CITY OF ONTARIO
DEVELOPMENT ADVISORY BOARD

AGENDA

March 6, 2023

▶ **All documents for public review are on file in the Planning Department located in City Hall at 303 East "B" St., Ontario, CA 91764 and on the city's website at ontarioca.gov/Agendas/DAB**

MEETING WILL BE HELD AT 1:30 PM IN ONTARIO CITY COUNCIL CHAMBERS LOCATED AT 303 East "B" St.

Scott Ochoa, City Manager
Scott Murphy, Executive Director, Community Development Agency
Jennifer McLain Hiramoto, Executive Director, Economic Development
James Caro, Building Official
Rudy Zeledon, Planning Director
Khoi Do, City Engineer
Chief Michael Lorenz, Police Department
Fire Marshal Paul Ehrman, Fire Department
Scott Burton, Utilities General Manager
Angela Magana, Community Improvement Manager

PUBLIC COMMENTS

Citizens wishing to address the Development Advisory Board on any matter that is not on the agenda may do so at this time. Please state your name and address clearly for the record and limit your remarks to five minutes.

Please note that while the Development Advisory Board values your comments, the members cannot respond nor take action until such time as the matter may appear on the forthcoming agenda.

AGENDA ITEMS

For each of the items listed below the public will be provided an opportunity to speak. After a staff report is provided, the chairperson will open the public hearing. At that time the applicant will be allowed five (5) minutes to make a presentation on the case. Members of the public will then be allowed five (5) minutes each to speak. The Development Advisory Board may ask the speakers questions relative to the case and the testimony provided. The question period will not count against your time limit. After all persons have spoken, the applicant will be allowed three minutes to summarize or rebut any public testimony. The chairperson will then close the public hearing portion of the hearing and deliberate the matter.

CONSENT CALENDAR ITEMS

A. MINUTES APPROVAL

Development Advisory Board Minutes of February 22, 2023, approved as written.

PUBLIC HEARING ITEMS

B. ENVIRONMENTAL ASSESSMENT AND TENTATIVE PARCEL MAP AND DEVELOPMENT PLAN REVIEW FOR FILE NOS. PMTT20-011 AND PDEV20-028: A public hearing to consider Tentative Parcel Map No. 20161 (File No. PMTT20-011), subdividing 159.95 acres of land into 10 parcels, and a Development Plan (File No. PDEV20-028) to construct 10 industrial buildings totaling 3,021,375 square feet on land bordered by Eucalyptus Avenue to the north, Bon View Avenue to the west, Merrill Avenue to the south, and Grove Avenue to the east, within the Industrial and Business Park land use districts of the South Ontario Logistics Center Specific Plan. The environmental impacts of this project were previously reviewed in conjunction with the South Ontario Logistics Center Specific Plan, (File No. PSP19-001) Environmental Impact Report (State Clearinghouse No. 2021010318) was certified by the City Council on March 1, 2022. This application introduces no new significant environmental impacts. The proposed project is located within the Airport Influence Area of Ontario International Airport and was evaluated and found to be consistent with the policies and criteria of the Ontario International Airport Land Use Compatibility Plan. The project site is also located within the Airport Influence area of Chino Airport and was evaluated and found to be consistent with the policies and criteria of the Chino Airport Land Use Compatibility Plan.; (APNs: 1054-071-01, 1054-071-02, 1054-081-03, 1054-091-01, 1054-091-02, 1054-101-01, 1054-101-02, 1054-231-01, 1054-231-02, 1054-241-01, 1054-241-02, 1054-311-01, 1054-311-02, 1054-321-01, and 1054-321-02) **submitted by Grove Land Ventures LLC. Planning Commission action is required for PMTT20-011.**

1. Continued - File Nos. PDEV20-028 & PMTT20-011 (TPM 20161)

City staff is asking that this item be continued to the March 20, 2023 meeting.

C. ENVIRONMENTAL ASSESSMENT, TENTATIVE PARCEL MAP AND DEVELOPMENT PLAN REVIEW FOR FILE NOS. PMTT22-017 AND PDEV22-025: A hearing to consider Tentative Parcel Map No. 20582 (File No. PMTT22-017), subdividing 10.05 acres of land into two parcels in conjunction with a Development Plan (File No. PDEV22-025) to raze six existing industrial buildings totaling 77,696 square feet and construct two industrial buildings totaling 237,236 square feet on property located at 605, 621, and 627 South Bon View Avenue, 954 East Ontario Boulevard, and 1031 East California Street, within the IG (General Industrial) zoning district. An Addendum to The Ontario Plan 2050 Supplemental Environmental Impact Report (State Clearinghouse No. 2021070364), certified by the City Council on August 16, 2022, was prepared. This application introduces no new significant environmental impacts. The proposed project is located within the Airport Influence Area of Ontario International Airport and was evaluated and found to be consistent with the policies and criteria of the Ontario International Airport Land Use Compatibility Plan; (APN: 1049-181-14) **submitted by WPT Capital Advisors, LLC. Planning Commission action is required.**

1. **CEQA Determination**

   Motion to recommend Approval/Denial of an Addendum to a previous EIR

2. **File Nos. PMTT22-017 & PDEV22-025** (Conditional Use Permit & Development Plan)

   Motion to recommend Approval/Denial

D. **ENVIRONMENTAL ASSESSMENT AND TENTATIVE PARCEL MAP REVIEW FOR FILE NO. PMTT22-028:** A hearing to consider Tentative Parcel Map No. 20683, subdividing 9.11 acres of land into 4 parcels generally bordered by D Street to the north, Sultana Avenue to the east, B Street to the south, and Plum Avenue to the west, on properties addressed as 320 East D Street, 425 East B Street, and 200 North Cherry Avenue, within the OL (Low Office Intensity) and CIV zoning districts. The project is categorically exempt from the requirements of the California Environmental Quality Act (CEQA) pursuant to Section 15315 (Class 15, Minor Land Divisions) of the CEQA Guidelines. The proposed project is located within the Airport Influence Area of Ontario International Airport and was evaluated and found to be consistent with the policies and criteria of the Ontario International Airport Land Use Compatibility Plan; (APNs: 1048-541-15; 1048-545-16). **City Initiated. Planning Commission action is required.**

1. **CEQA Determination**

   No action necessary – Exempt: CEQA Guidelines Section § 15315

2. **File No. PMTT22-028 (TPM 20683)** (Tentative Parcel Map)

   Motion to recommend Approval/Denial

If you wish to appeal a decision of the **Development Advisory Board**, you must do so within ten (10) days of the **Development Advisory Board** action. Please contact the **Planning Department** for information regarding the appeal process.

If you challenge any action of the **Development Advisory Board** in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the **Development Advisory Board** at, or prior to, the public hearing.

The next **Development Advisory Board** meets on **March 20, 2023**.

I, Gwen Berendsen, Administrative Assistant of the City of Ontario, or my designee, hereby certify that a true, accurate copy of the foregoing agenda was posted on or before **March 2, 2023**, at least 72 hours prior to the meeting per Government Code Section 54954.2 at 303 East "B" Street, Ontario.

Gwen Berendsen
Administrative Assistant

CITY OF ONTARIO

Development Advisory Board

Minutes

February 22, 2023

BOARD MEMBERS PRESENT

Rudy Zeledon, Chairman, Planning Department
James Caro, Building Department
Elda Zavala, Community Improvement
Charity Hernandez, Economic Development Agency
Paul Ehrman, Fire Department
Christy Stevens, Municipal Utilities Company

BOARD MEMBERS ABSENT

Khoi Do, Engineering Department
Tony Galban, Police Department

STAFF MEMBERS PRESENT

Charles Mercier, Planning Department
Gwen Berendsen, Planning Department
Robert Morales, Planning Department
Cristal Nava, Planning Department
Elly Antuna, Planning Department
Diane Ayala, Planning Department
Lorena Mejia, Planning Department
Edmelynne Hutter, Planning Department
Angela Truong, Engineering Department
Peter Pallesen, Economic Development
Karen Khukoyan, Economic Development

PUBLIC COMMENTS

No person from the public wished to speak.

CONSENT CALENDAR ITEMS

A. **APPROVAL OF MINUTES:** Motion to approve the minutes of the January 18, 2023 meeting of the Development Advisory Board was made by Ms. Hernandez; seconded by Mr. Ehrman; and approved unanimously by those present (6-0).

PUBLIC HEARING ITEMS

B. **ENVIRONMENTAL ASSESSMENT AND DEVELOPMENT PLAN REVIEW FOR FILE NO. PDEV22-046:** A Development Plan to construct a wireless telecommunications facility consisting of a stealth, 67-foot-tall monopine antenna and ancillary ground-mounted equipment, on approximately 530 square feet of leased space on 2.05-acre of land located at 3500 East Francis Street, within the Rail Industrial land use district of the California Commerce Center Specific Plan. The project is categorically exempt from the requirements of the California Environmental Quality Act (CEQA) pursuant to Section 15303 (Class 3, New Construction or Conversion of Small

Structures) of the CEQA Guidelines. The proposed project is located within the Airport Influence Area of Ontario International Airport and was evaluated and found to be consistent with the policies and criteria of the Ontario International Airport Land Use Compatibility Plan (ALUCP); (APN: 0211-281-56) **submitted by AT&T Mobility.**

Mr. Zeledon opened the public hearing.

Stella Shih with Reliable Services was present.

Mr. Zeledon asked if she had reviewed and agreed with all the Conditions of Approval.

Ms. Shih stated she had and agreed with the Conditions of Approval and asked regarding the timeline for the approval letter.

Mr. Zeledon stated there is a 10 day appeal process, upon which the decision is final.

As there was no one else wishing to speak on this item, Mr. Zeledon closed the public hearing.

Motion to approve **File No. PDEV22-046** subject to conditions, was made by Mr. Caro; seconded by Ms. Zavala; and approved unanimously by those present (6-0).

C. **ENVIRONMENTAL ASSESSMENT, TENTATIVE PARCEL MAP, AND DEVELOPMENT PLAN REVIEW FOR FILE NOS. PMTT22-015 AND PDEV22-024:** A hearing to consider Tentative Parcel Map No. 20554 (File No. PMTT22-015), subdividing 0.11-acre of land into one lot for condominium purposes, and a Development Plan (File No. PDEV22-024) for the construction of three townhomes units located at 213 North Fern Avenue, within the MU-1/LUA-3 (Downtown Mixed Use/Holt Boulevard) zoning district. The project is categorically exempt from the requirements of the California Environmental Quality Act (CEQA) pursuant to Section 15332 (Class 32, In-fill Development Projects) of the CEQA Guidelines. The proposed project is located within the Airport Influence Area of Ontario International Airport and was evaluated and found to be consistent with the policies and criteria of the Ontario International Airport Land Use Compatibility Plan; (APN: 1048-572-06) **submitted by HDC Construction. Planning Commission action is required.**

Mr. Zeledon opened the public hearing.

Tamara Soussan representing HDC Construction was present.

Mr. Zeledon asked if she had reviewed all the Conditions of Approval.

Ms. Soussan stated she had no questions and agreed with the Conditions of Approval.

As there was no one else wishing to speak on this item, Mr. Zeledon closed the public hearing.

Motion to recommend approval of **File Nos. PMTT22-015 (TPM 20554) and PDEV22-024** subject to conditions, to the Planning Commission was made by Ms. Hernandez; seconded by Mr. Caro; and recommended unanimously by those present (6-0).

D. **ENVIRONMENTAL ASSESSMENT AND DEVELOPMENT PLAN REVIEW FOR FILE NO. PDEV22-030:** A hearing to consider a Development Plan to construct a wireless telecommunication facility (Dish Wireless, LLC) consisting of a non-stealth antenna array installed

on an existing SCE transmission tower and a 150-square-foot ground-mounted equipment enclosure on 15.4 acres of land located on the east side of Deer Creek Loop, approximately 200 feet south of Elsinore Way, within the Non-Recreational Open Space land use district of the Creekside Specific Plan. The project is categorically exempt from the requirements of the California Environmental Quality Act (CEQA) pursuant to Section 15303 (Class 3, New Construction or Conversion of Small Structures) of the CEQA Guidelines. The proposed project is located within the Airport Influence Area of Ontario International Airport and was evaluated and found to be consistent with the policies and criteria of the Ontario International Airport Land Use Compatibility Plan; (APNs: 1083-281-01) **submitted by Dish Wireless, LLC. Planning Commission action is required.**

Mr. Zeledon opened the public hearing.

Mitchell Yahata was present.

Mr. Zeledon asked if he had reviewed all the Conditions of Approval.

Mr. Yahata stated he had and agreed with the Conditions of Approval.

As there was no one else wishing to speak on this item, Mr. Zeledon closed the public hearing.

Motion to recommend approval of **File No. PDEV22-030** subject to conditions, to the Planning Commission was made by Ms. Stevens; seconded by Mr. Ehrman; and recommended unanimously by those present (6-0).

There being no further business, the meeting was adjourned to the next meeting on March 6, 2023.

Respectfully submitted,

Gwen Berendsen

Gwen Berendsen
Recording Secretary

CITY OF ONTARIO
MEMORANDUM

TO: **Development Advisory Board**

FROM: **Rudy Zeledon, Planning Director**

DATE: **March 6, 2023**

SUBJECT: **ENVIRONMENTAL ASSESSMENT AND TENTATIVE PARCEL MAP AND DEVELOPMENT PLAN REVIEW FOR FILE NOS. PMTT20-011 AND PDEV20-028:** A public hearing to consider Tentative Parcel Map No. 20161 (File No. PMTT20-011), subdividing 159.95 acres of land into 10 parcels, and a Development Plan (File No. PDEV20-028) to construct 10 industrial buildings totaling 3,021,375 square feet on land bordered by Eucalyptus Avenue to the north, Bon View Avenue to the west, Merrill Avenue to the south, and Grove Avenue to the east, within the Industrial and Business Park land use districts of the South Ontario Logistics Center Specific Plan. The environmental impacts of this project were previously reviewed in conjunction with the South Ontario Logistics Center Specific Plan, (File No. PSP19-001) Environmental Impact Report (State Clearinghouse No. 2021010318) was certified by the City Council on March 1, 2022. This application introduces no new significant environmental impacts. The proposed project is located within the Airport Influence Area of Ontario International Airport and was evaluated and found to be consistent with the policies and criteria of the Ontario International Airport Land Use Compatibility Plan. The project site is also located within the Airport Influence area of Chino Airport and was evaluated and found to be consistent with the policies and criteria of the Chino Airport Land Use Compatibility Plan.; (APNs: 1054-071-01, 1054-071-02, 1054-081-03, 1054-091-01, 1054-091-02, 1054-101-01, 1054-101-02, 1054-231-01, 1054-231-02, 1054-241-01, 1054-241-02, 1054-311-01, 1054-311-02, 1054-321-01, and 1054-321-02) **submitted by Grove Land Ventures LLC. Planning Commission action is required for PMTT20-011.**

City staff is requesting that this item be continued to the March 20, 2023 Development Advisory Board meeting, to give staff time to finalize the Conditions of Approval.

CITY OF ONTARIO PLANNING DEPARTMENT

DEVELOPMENT ADVISORY BOARD DECISION

March 6, 2023

303 East B Street, Ontario, California 91764 Phone: 909.395.2036 / Fax: 909.395.2420

DECISION NO.: [insert #]

FILE NOS.: PMTT22-017 and PDEV22-025 – SEIR Addendum

DESCRIPTION: A Public Hearing to consider the use of an Addendum to The Ontario Plan 2050 Supplemental Environmental Impact Report ("Certified SEIR") for Tentative Parcel Map No. 20582 (File No. PMTT22-017), subdividing 10.05 acres of land into two parcels, in conjunction with a Development Plan (File No. PDEV22-025) to raze six existing industrial buildings totaling 77,696 square feet and construct two new industrial buildings totaling 237,236 square feet on property located at 605, 621, and 627 South Bon View Avenue, 954 East Ontario Boulevard, and 1031 East California Street; (APN: 1049-181-14); **submitted by WPT Capital Advisors, LLC. Planning Commission action is required.**

PART 1: BACKGROUND & ANALYSIS

WPT CAPTIAL ADVISORS, LLC, ((herein after referred to as "Applicant") has filed an application requesting approval of an Addendum to The Ontario Plan 2050 Supplemental Environmental Impact Report ("Certified SEIR") for a Tentative Parcel Map No. 20582, File No. PMTT22-017, and a Development Plan, File No. PDEV22-025, as described in the subject of this Decision (herein after referred to as "Application" or "Project").

PROJECT SETTING: The project site is comprised of 10.05 acres of land located at 605, 621, and 627 South Bon View Avenue, 954 East Ontario Boulevard, and 1031 East California Street, and is depicted in Exhibit A: Project Location Map, attached. Existing land uses, Policy Plan (general plan) and zoning designations, and specific plan land uses on and surrounding the project site are as follows:

	Existing Land Use	***Policy Plan Land Use Designation***	***Zoning Designation***	***Specific Plan Land Use Designation***
Site:	Industrial	Industrial (0.55 FAR)	IG (General Industrial)	N/A
North:	Industrial, Union Pacific Railroad	Industrial (0.55 FAR) & Rail	IG (General Industrial) & RC (Rail Corridor)	N/A
South:	Industrial, Single-Family Residential, Vacant	Business Park (BP, 0.6 FAR)	IG (General Industrial), IL (Light Industrial)	N/A
East:	Industrial	Industrial (0.55 FAR)	IG (General Industrial)	N/A
West:	Industrial	Industrial (0.55 FAR)	IG (General Industrial)	N/A

PROJECT DESCRIPTION:

The Project analyzed under the Addendum to The Ontario Plan 2050 Supplemental Environmental Impact Report ("Certified SEIR") consists of Tentative Parcel Map No. 20582 (File No. PMTT22-017), subdividing the 10.05-acre project site into two parcels to accommodate a Development Plan (File No. PDEV22-025), to construct two industrial buildings totaling 237,236 square feet. The Project includes associated on-site improvements such as parking lots, truck yard and trailer storage, landscaping, pedestrian paths, and outdoor employee break areas. The Project's off-site improvements include, but are not limited to, new and rehabilitated landscaping within the parkways, repairing and replacing deteriorated and/or damage pavement, new driveway approaches, and new sidewalks.

The Application is a project pursuant to the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) ("CEQA") and an Initial Study/Addendum has been prepared to determine possible environmental impacts. Although the proposed project could have a significant effect on the environment, because all potentially significant effects have been analyzed adequately in an earlier Certified SEIR, and have been avoided or mitigated pursuant to that earlier Certified SEIR, including revisions or mitigation measures that are imposed on the proposed project, nothing further is required. The Project will introduce no new significant environmental impacts beyond those previously analyzed in the Certified SEIR, and all mitigation measures previously adopted by the Environmental Impact Report, are a condition of project approval and are incorporated in the Initial Study/Addendum (see Attachment A—Initial Study/Addendum, attached).

ENVIRONMENTAL REVIEW: An Addendum was prepared for the Project, which included an array of studies and assessments (see Attachment A to the Addendum report: Addendum and Studies). A summary of each study is as follows:

a) Air Quality, Health Risk Assessment ("HRA"), Greenhouse Gas ("GHG") and Energy Impact Report — The report analyzed existing air quality, air quality and GHG emissions generated from Project-related sources, regional air pollution, and global climate change, as well as energy use resulting from implementation of the proposed Project and whether the Project would result in wasteful, inefficient, or unnecessary consumption of energy resources or confliction with any applicable plans for renewable energy and energy efficiency. The report also reviewed all TOP 2050 SEIR mitigation measures applicable to the proposed Project.

Overall, the report found that the Project, as proposed, is consistent with the findings and mitigation measures listed in TOP 2050 SEIR, as well as CALGreen Codes, and that the proposed Project would not conflict with or obstruct implementation of SCAQMD air quality plans. Further, construction and operation of the proposed Project would not result in the generation of criteria air pollutants that would exceed SCAQMD thresholds of significance. Additionally, the Project would be required to implement all applicable TOP 2050 Mitigation Measures, which further reduce construction and operational

emissions. Lastly, the report suggested one additional condition of approval that would serve to further reduce the Project's impacts, which has been included in the Project conditions of approval: "During construction of the proposed project, the Project contractor shall ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for construction at a minimum meets the California Air Resources Board Tier 2 emissions standards equipped with Level 3 diesel particulate filters or the equivalent."

b) General Biological Assessment — The biological assessment analyzed data base and literature resources regarding the Project site and its five-mile radius and conducted a field survey of the Project site. While a total of 54 sensitive species of plants and 66 sensitive species of animals have the potential to occur on or within the vicinity of the Project area, none of the listed species were found on the Project site, and the site was not found to be a suitable or viable habitat. The assessment determined the following:

- The Project site does not contain any drainage, riparian, or riverine features and there are no California Department of Fish and Wildlife ("CDFW"), United States Army Corps of Engineers, or Regional Water Quality Control Board jurisdictional waters within the Project site boundaries.
- No sensitive species have the potential to occur on the Project site; no impacts to sensitive species are expected.
- Potential impacts to nesting birds may occur if ground-disturbing activities or vegetation removal occur during the bird nesting season of February 1 through September 15. Implementation of the report recommendations will ensure that potential impacts to nesting birds are less than significant; as such, the project has been conditioned to limit or eliminate vegetation removal during the nesting season; if unavoidable, nesting bird surveys shall be provided.
- The Project site is not located within or adjacent to designated federal critical habitat; no impact to critical habitat would occur.
- No wildlife movement corridors were found to be present on the Project site; no impacts are expected.
- Any removal of trees shall be required to comply with the "Parkway Tree Regulations" of the City of Ontario Municipal Code. As such, the Project will not conflict with local policies or ordinances protecting biological resources.
- The Project would not be anticipated to conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.
- The Project site does not contain any state or federal drainages, therefore no impacts to any jurisdictional drainages are expected.

c) Cultural Resources Assessment – The cultural resources assessment analyzed the Prehistoric and Historic Periods of the Project site and performed an archaeological records search. None of the databases/indexes searched identified any potential resources within the Project site; however, historic aerial photographs revealed an assortment of buildings and structures were built and removed between 1946 and

present. Further, it was found that the property was originally associated with the Bestile Manufacturing Co., a company that specialized in various products for the manufacture and maintenance of plastic coated panels with two trademarked, nationally-recognized brands described as "a pioneer in developing the plastic panels or wall tiles" (San Bernardino Sun 1949). A field survey was also conducted in conjunction with the assessment, during which no archaeological resources were identified. Further, the field survey identified multiple historic period structures which appeared to originally be associated with the Bestile Manufacturing Company and, collectively, the structures compromise one historic-era resource associated with this business operation. The assessment did not conclude whether or not the structures individually or collectively represent significant historic structures or resources eligible for the California Register of Historical Resources (CRHR) and recommended a historical assessment report be conducted for the property. This historical assessment report was undertaken by the Applicant and is explained below.

d) Historical Resources Assessment — The historical resources assessment documented and evaluated the property on Department of Parks and Recreation (DPR) 523 series forms, and ultimately concluded that the property is not eligible for inclusion on the Local Register and the CRHR, as the property does not meet the definition of an historical resource under the CRHR or pursuant to CEQA Guidelines Section 15064.5. The property does not qualify for designation under Local Register and CRHR criteria, as the buildings and/or site:

- Do not exemplify or represent a special element of Ontario or California's history under CRHR / Local Register Criterion A.
- Are not identified with persons or events significant in local, state, or national history under CRHR / Local Register Criterion B.
- Do not embody the distinctive characteristics of a type, period, or method of construction, nor do they represent the work of an important creative individual under CRHR / Local Register Criterion 3 / C, D, E, F.
- Do not have a unique location nor represent an established and familiar visual feature of a neighborhood, community, or the City, nor are they one of the few remaining examples in the City, region, state, or nation possessing distinguishing characteristics of an architectural or historical type or specimen under Local Register Criteria G and H.

Further research and analysis of the subject property is unlikely to yield information important in prehistory or history under CRHR Criterion 4. Additionally, while the property retains the integrity of location, the property no longer retains integrity of feeling and setting, and, over the years as the Bestile Manufacturing Company flourished, new additions and modifications were made to the property. While the additions reflect the historical evolution of the property, the buildings have been heavily altered and no longer retain sufficient integrity of materials, design, workmanship, or association.

e) Geotechnical Investigation — The geotechnical investigation conducted database research, field work and lab sampling for the project site, to determine whether

construction was feasible on the Project site from a geotechnical standpoint. While geotechnical conditions exist that should be addressed prior to construction, including mitigations found in the California Building Code, remedial grading work, stormwater infiltration installation, and other recommendations based on empirical and analytical methods typical of the standard-of-practice in southern California, the Project site was found to be feasible for the proposed Project's scope of work.

f) Paleontological Resources Assessment — The paleontological resource assessment was completed to evaluate the Project site's potential to yield paleontological resources and included a review of paleontological literature and fossil locality records for previous projects in the area, a review of the underlying geology, and recommendations to mitigate potential impacts to paleontological resources. The assessment found that there were no known fossil localities within the Project boundaries or near the Project; however, other discoveries had been made in locals five miles or greater from the Project site. A field visit was also conducted, and concluded that no paleontological resources, or evidence of paleontological resources, were observed during the survey.

TOP EIR indicates the City is underlain by deposits of Quaternary and Upper-Pleistocene sediments deposited during the Pliocene and early Pleistocene time, Quaternary Older Alluvial sediments may contain significant, nonrenewable, paleontological resources and are, therefore, considered to have high sensitivity at depths of 10 feet or more below ground surface. In addition, TOP EIR (Section 5.5) indicates that only one paleontological resource has been discovered in the City. The project site has surficial sediments composed of younger Quaternary Alluvium, derived as alluvial fan deposits from the San Gabriel Mountains to the north or as dune sands. These deposits typically do not contain significant vertebrate fossils, at least in the uppermost layers, but they may be underlain by older sedimentary materials at estimated depths greater than 10 feet which could contain paleontological resources.

Project grading may exceed 10 feet in depth in some areas so the project will implement TOP EIR Mitigation Measure 5-2, as outlined in Section 5, Cultural Resources, as this measure addresses paleontological resources. The measure requires that, in the event unanticipated paleontological resources are identified during excavation, construction activities will not continue or will be moved to other parts of the project site and a qualified paleontologist shall be contacted to determine the significance of these resources. If the find is determined to be significant, avoidance or other appropriate resource protection actions will be taken.

The project will not result in any new, increased or substantially different impacts, other than those previously considered and addressed in TOP EIR. No changes or additions to TOP EIR analyses are necessary.

g) Phase I Environmental Site Assessment ("ESA") — The ESA was completed in accordance with the American Society for Testing and Materials (ASTM) standards for the purposes of meeting certain landowner liability protections and identifying the

potential presence of hazards on or near the Project site, including recognized environmental conditions ("RECs"), controlled recognized environmental conditions ("CRECs"), or historical recognized environmental conditions ("HRECs"). Identification of RECs, CRECs, and HRECs is important, as it aids in preventing exposure and guiding proper handling of, any hazardous substances or petroleum products in, on or near a property. The study identified a few RECs, including: the fact that the historical use of the site is an industrial facility and as such likely has used hazardous materials at a time when such materials were not regulated; the unknown status of two solvent and one fuel oil underground storage tanks ("USTs"); and the off-site Alger Manufacturing Co. located at 724 South Bon View Avenue is also considered a REC based on the identified tetrachloroethylene ("PCE") and trichloroethylene ("TCE") plume in both soil vapor and groundwater. The study did not find any evidence of CRECs or HRECs in connection with the Project site but suggested further screening to rule out RECs on-site.

h) Limited Subsurface Soil Vapor Screening — The limited subsurface soil vapor screening was completed to determine whether volatile organic compounds ("VOCs") were present in the subsurface of the Project site at concentrations of potential concern, as identified during preparation of the above-listed ESA. A field visit and lab tests were performed, and it was concluded that VOCs were not detected, that historical site and surrounding area activities have not resulted in the release of contaminants to the subsurface above screening concentrations of concern, and that no additional assessment or mitigation is necessary at this time. The assessment recommended that any future site development or earthwork activities in the vicinity of the former tank system location on the 621 South Bon View property be performed under supervision of an environmental professional, which has been made a project condition of approval.

i) Preliminary Water Quality Management Plan ("PWQMP") — A PWQMP is a tool to improve the integration of required water quality elements, stormwater management, water conservation, rainwater harvesting and re-use, and flood management. PWQMPs are reviewed and conditioned on by the Environmental Engineering Division and the Engineering Department, and a Final WQMP shall be reviewed and approved by said staff prior to the issuance of construction permits. The project shall implement a variety of strategies to reduce any potential stormwater and water quality impacts.

j) Preliminary Hydrology Study — The preliminary hydrology study was prepared as one of the components of the submittal application for a Tentative Parcel Map and examines drainage characteristic and patterns of the on-site watershed in regard to distribution and management of storm water run-off. The study concluded that, through the construction of the proposed drainage system and a quality maintenance program, flood protection is provided for 100-year storm events. Further review is complete, and requirements are made by the Environmental Engineering Division and the Engineering Department prior to issuance of construction permits.

k) Noise and Vibration Analysis — A noise and vibration analysis was prepared to evaluate potential noise and vibration impacts, and any applicable reduction

measures, associated with the proposed Project and in conjunction with TOP 2050 SEIR and the City's Municipal Code and Development Code requirements. The analysis included short-term construction-related noise impacts; short-term construction-related vibration levels; long-term, off-site traffic-related noise impacts; long-term traffic-related vibration impacts; and long-term, off-site stationary noise impacts.

The analysis found that short-term construction-related noise impacts would remain below the 80 dBA and 90 dBA 1-hour construction noise level criteria as established by the Federal Transit Administration ("FTA") for residential uses and industrial uses, respectively, for the average daily condition modeled. Therefore, noise impacts would be both less than significant and less than that identified in TOP 2050 SEIR with implementation of the mitigation measures listed in TOP 2050 SEIR, which are included as a project condition of approval.

With regards to short-term construction-related vibration levels, it is expected that dump trucks and equipment that may potentially operate as close as five feet from the property line would generate ground-borne vibration levels of up to 0.352 PPV (in/sec) at the closest structure to the Project site, which would exceed the 0.2 PPV (in/sec) threshold considered safe for non-engineered timber and masonry buildings and result in a potentially significant impact. Therefore, the use of heavy equipment should be prohibited within 15 feet of existing structures to ensure the vibration levels are below the 0.2 PPV (in/sec) threshold; and, for any heavy equipment absolutely necessary within 15 feet of the east boundary of the project site, apply TOP 2050 SEIR Mitigation Measure 12-2 to reduce potential impacts, which has been made a project condition of approval.

The study also analyzed long-term, off-site traffic noise impacts and found that the increase in Project-related traffic noise would be no greater than 0.6 dBA. As the potential noise level increase is below the readily-perceptible threshold of 5.0 dBA, traffic noise impacts from project-related traffic on off-site sensitive receptors would be less than significant and consistent with TOP 2050 SEIR, and as such, no mitigation measures are required.

Additionally, the study analyzed and concluded that the proposed Project would not generate vibration levels related to on-site operations, and that vibration levels generated from Project-related traffic on the adjacent roadways would also be less than significant. No mitigation measures are required.

Lastly, the study analyzed long-term, off-site stationary noise impacts. Adjacent off-site land uses would be potentially exposed to stationary-source noise impacts from the proposed on-site heating, ventilation, and air conditioning (HVAC) equipment, and truck deliveries, loading, and unloading activities. A conservative model was used and found that the combined hourly noise levels generated by HVAC equipment and truck delivery activities at the closest off-site land uses would range between 51.0 dBA Leq to 61.6 dBA Leq at the surrounding receptors. These levels would be below the City's noise standard of 65 dBA Leq at the residential land uses and below the noise standard of 70 dBA Leq for industrial land uses. Project noise levels would not exceed the maximum permissible

noise levels as established by the City of Ontario and the impact would be less than significant and consistent with TOP 2050 SEIR. No noise reduction measures are required.

l) Vehicle Miles Traveled Analysis — Vehicle Miles Traveled (VMT) analyses are reviewed, approved, and conditioned by the Traffic Division and Engineering Department. As presented, the analysis concludes that the proposed Project's VMT analysis, using TOP 2050's model, was found to exceed the City's VMT per service population (SP) threshold by 14.56 percent for the baseline (2022) condition, but was below the City's threshold by 19.48 percent for buildout (2050) conditions. However, with the inclusion of project design features, the Project would reduce its VMT per SP to below the City's threshold in both the baseline and the buildout conditions. Additionally, the Project's cumulative effect on VMT was also found to not change the City's VMT per SP. Therefore, based on the findings of the VMT analysis and with implementation of TOP 2050 SEIR's mitigation measures and additional requirements as listed in the Project conditions of approval, the Project is not expected to have any significant impacts to VMT within the Project area nor cumulatively within the City at either the baseline (2022) or buildout (2050) conditions.

PART 2: RECITALS

WHEREAS, The Ontario Plan 2050 Supplemental Environmental Impact Report (State Clearinghouse No. 2021070364) was certified on August 16, 2022, (hereinafter referred to as "Certified SEIR"), in which development and use of the Project site was discussed; and

WHEREAS, the Planning Director of the City of Ontario has prepared and approved for attachment to the Certified SEIR, an Addendum to the Certified SEIR (hereinafter referred to as "SEIR Addendum") in accordance with the requirements of the California Environmental Quality Act of 1970, together with State and local guidelines implementing said Act, all as amended to date (collectively referred to as "CEQA"); and

WHEREAS, the SEIR Addendum concluded that implementation of the Project could result in a number of significant effects on the environment that were previously analyzed in the Certified SEIR, and that the Certified SEIR identified mitigation measures that would reduce each of those significant effects to a less-than-significant level; and

WHEREAS, pursuant to State CEQA Guidelines Section 15164(a), a lead agency shall prepare an addendum to a previously certified EIR if some changes or additions are necessary to a project, but the preparation of a subsequent or supplemental EIR is not required; and

WHEREAS, the City determined that none of the conditions requiring preparation of a subsequent or supplemental EIR would occur from the Project, and that preparation of an Addendum to the Certified EIR was appropriate; and

WHEREAS, the City of Ontario is the lead agency on the Project, and the Development Advisory Board (hereinafter referred to as "DAB") is the recommending authority for the requested approval to construct and otherwise undertake the Project; and

WHEREAS, the DAB has reviewed and considered the SEIR Addendum and related documents for the Project, and intends to take actions on the Project in compliance with CEQA and state and local guidelines implementing CEQA; and

WHEREAS, the SEIR Addendum and related documents are on file in the City of Ontario Planning Department, located at 303 East B Street, Ontario, CA 91764, and are available for inspection by any interested person at that location and are, by this reference, incorporated into this Resolution as if fully set forth herein; and

WHEREAS, City of Ontario Development Code Table 2.02-1 (Review Matrix) grants the DAB the responsibility and authority to review and act, or make recommendation to the Planning Commission on the subject Application; and

WHEREAS, City of Ontario Development Code Division 2.03 (Public Hearings) prescribes the manner in which the public notification of environmental actions shall be provided and hearing procedures to be followed, and all such notifications and procedures have been accomplished pursuant to Development Code requirements; and

WHEREAS, on March 6, 2023, the DAB of the City of Ontario conducted a hearing on the Project, and concluded said hearing on that date; and

WHEREAS, all legal prerequisites to the hearing and adoption of this Decision have occurred.

PART 3: THE DECISION

NOW, THEREFORE, IT IS HEREBY FOUND, DETERMINED AND DECIDED by the Development Advisory Board of the City of Ontario as follows:

SECTION 1: Environmental Determination and Findings. As the recommending body for the Project, the DAB has reviewed and considered the information contained in the Addendum, the initial study, and the administrative record for the Project, including all written and oral evidence provided during the comment period. Based upon the facts and information contained in the Addendum, the initial study, and the administrative record, including all written and oral evidence presented to the DAB, the DAB finds as follows:

(1) The environmental impacts of the Project were reviewed in conjunction with an Addendum to The Ontario Plan 2050 Supplemental Environmental Impact Report

(State Clearinghouse No. 2021070364), certified by the Ontario City Council on August 16, 2022, in conjunction with File No. PGPA20-002; and

(2) The SEIR Addendum and administrative record have been completed in compliance with CEQA, the State CEQA Guidelines, and the City of Ontario Local CEQA Guidelines; and

(3) The City's "Guidelines for the Implementation of the California Environmental Quality Act (CEQA)" provide for the use of a single environmental assessment in situations where the impacts of subsequent projects are adequately analyzed. This Application introduces no new significant environmental impacts; and

(4) All previously adopted mitigation measures shall be a condition of project approval, as they are applicable to the Project, and are incorporated herein by this reference; and

(5) The SEIR Addendum contains a complete and accurate reporting of the environmental impacts associated with the Project, and reflects the independent judgment of the Planning Commission; and

(6) There is no substantial evidence in the administrative record supporting a fair argument that the Project may result in significant environmental impacts.

SECTION 2: Subsequent or Supplemental Environmental Review Not Required. Based on the SEIR Addendum, all related information presented to the DAB, and the specific findings set forth in Section 1, above, the DAB finds that the preparation of a subsequent or supplemental Certified SEIR is not required for the Project, as the Project:

(1) Does not constitute substantial changes to the Certified SEIR that will require major revisions to the Certified SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and

(2) Does not constitute substantial changes with respect to the circumstances under which the Certified SEIR was prepared, that will require major revisions to the Certified SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of the previously identified significant effects; and

(3) Does not contain new information of substantial importance that was not known and could not have been known with the exercise of reasonable diligence at the time the Certified SEIR was certified/adopted, that shows any of the following:

(a) The Project will have one or more significant effects not discussed in the Certified SEIR; or

(b) Significant effects previously examined will be substantially more severe than shown in the Certified SEIR; or

(c) Mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the Project, but the City declined to adopt such measures; or

(d) Mitigation measures or alternatives considerably different from those analyzed in the Certified EIR would substantially reduce one or more significant effects on the environment, but which the City declined to adopt.

SECTION 3: Housing Element Compliance. Pursuant to the requirements of California Government Code Chapter 3, Article 10.6, commencing with Section 65580, as the recommending body for the Project, the DAB finds that based on the facts and information contained in the Application and supporting documentation, at the time of Project implementation, the Project is consistent with the Housing Element of the Policy Plan (General Plan) component of The Ontario Plan, as the Project site is not one of the properties in the Housing Element Sites contained in Tables B-1 and B-2 (Housing Element Sites Inventory) of the Housing Element Technical Report.

SECTION 4: Airport Land Use Compatibility Plan ("ALUCP") Compliance. The California State Aeronautics Act (Public Utilities Code Section 21670 et seq.) requires that an Airport Land Use Compatibility Plan be prepared for all public use airports in the State; and requires that local land use plans and individual development proposals must be consistent with the policies set forth in the adopted Airport Land Use Compatibility Plan.

(1) On April 19, 2011, the City Council of the City of Ontario approved and adopted the ONT ALUCP, establishing the Airport Influence Area for Ontario International Airport, which encompasses lands within parts of San Bernardino, Riverside, and Los Angeles Counties, and limits future land uses and development within the Airport Influence Area, as they relate to noise, safety, airspace protection, and overflight impacts of current and future airport activity. As the recommending body for the Project, the DAB has reviewed and considered the facts and information contained in the Application and supporting documentation against the ONT ALUCP compatibility factors, including [1] Safety Criteria (ONT ALUCP Table 2-2) and Safety Zones (ONT ALUCP Map 2-2), [2] Noise Criteria (ONT ALUCP Table 2-3) and Noise Impact Zones (ONT ALUCP Map 2-3), [3] Airspace protection Zones (ONT ALUCP Map 2-4), and [4] Overflight Notification Zones (ONT ALUCP Map 2-5). As a result, the DAB, therefore, finds and determines that the Project, when implemented in conjunction with the conditions of approval, will be consistent with the policies and criteria set forth within the ONT ALUCP.

SECTION 5: Development Advisory Board Action. The DAB does hereby find that based upon the entire record of proceedings before it, and all information received, that there is no substantial evidence that the Project will constitute substantial changes to the Certified SEIR, and does hereby recommend the Planning Commission APPROVE the

adoption of the SEIR Addendum to the Certified SEIR, included as Attachment 1 of this Decision.

SECTION 6: Indemnification. The Applicant shall agree to defend, indemnify and hold harmless, the City of Ontario or its agents, officers, and employees from any claim, action or proceeding against the City of Ontario or its agents, officers or employees to attack, set aside, void or annul this approval. The City of Ontario shall promptly notify the applicant of any such claim, action or proceeding, and the City of Ontario shall cooperate fully in the defense.

SECTION 7: Custodian of Records. The documents and materials that constitute the record of proceedings on which these findings have been based are located at the City of Ontario City Hall, 303 East "B" Street, Ontario, California 91764. The custodian for these records is the City Clerk of the City of Ontario. The records are available for inspection by any interested person, upon request.

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APPROVED AND ADOPTED this 6th day of March 2023.

Development Advisory Board

Attachment A—Addendum to The Ontario Plan 2050 Supplemental Environmental Impact Report

(SEIR Addendum follows this page)

ADDENDUM TO THE ONTARIO PLAN 2050 FINAL SUPPLEMENTAL ENVIRONMENTAL IMPACT REPORT SCH No. 2021070364

FOR THE 627 BON VIEW AVENUE WAREHOUSE PROJECT

Lead Agency:

City of Ontario
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Ontario, CA 91764

Project Applicant:

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January 2023

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Appendix

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Appendix C. Cultural Resources Assessment
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Appendix E. Geotechnical Investigation
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Appendix L. Vehicle Miles Traveled Assessment

1 INTRODUCTION

1.1 PURPOSE AND SCOPE

This document is an Addendum to The Ontario Plan (TOP) 2050 Final Supplemental Environmental Impact Report (SEIR) (State Clearinghouse No. 2021070364) (TOP 2050 SEIR) certified by the City of Ontario (City) in August 2022. TOP 2050 SEIR, in conjunction with this Addendum, serve as the environmental review for the proposed 627 Bon View Avenue Warehouse Project (Project, proposed Project). The Project proposes development of a 10.05 gross-acre site, including the demolition of six existing structures totaling approximately 77,696 square feet (SF), and construction of two warehouse buildings totaling 237,236 SF with associated parking, landscape, and site improvements, which is subject to City approval of a Conditional Use Permit (CUP).

TOP 2050 SEIR analyzed the environmental impacts associated with the implementation of the update to the original TOP, adopted in 2010. TOP 2050 SEIR relied on the findings of the 2009 Draft EIR, 2010 Recirculated Draft EIR, and 2010 Final EIR (State Clearinghouse No. 2008101140). In April 2009, the City of Ontario circulated the 2009 Draft EIR for public review. Six environmental categories (Agricultural Resources, Air Quality, Cultural Resources, Global Climate Change, Noise, and Traffic and Transportation) had significant and unavoidable impacts that could not be alleviated by mitigation. A Recirculated Draft EIR for The Ontario Plan was released in November 2009 to update and provide additional analysis concerning GHG emissions impacts associated with buildout of the Policy Plan. Only two topics were analyzed in the 2009 Recirculated Draft EIR: Global Climate Change and Additional Project Alternative: 15 percent GHG Reduction Alternative. Remaining topics previously analyzed in the 2009 Draft EIR were determined to be adequately addressed. Analysis in the 2009 Recirculated Draft EIR found that significant and unavoidable impacts identified in the 2009 Draft EIR would remain significant and unavoidable for the Approved Project. These determinations were reiterated in the 2010 Final EIR, certified on January 27, 2010.

TOP 2050 SEIR analyzed the Project site as having a land use designation of Industrial (IND) and a zoning designation of General Industrial (IG). The IND land use designation provides for a variety of light industrial uses, including warehouse/distribution, assembly, light manufacturing, research and development, storage, repair facilities, and supporting research and professional office uses developed at a maximum floor area ratio (FAR) of 0.55. The IG zoning designation allows for development of general industrial uses at a FAR of 0.55. TOP 2050 SEIR analyzed the development of approximately 240,778 SF of general industrial uses on the Project site.

Although the site was developed with six structures between 1947 and 2000 totaling approximately 77,696 SF, redevelopment within the Project site is still subject to TOP 2050 SEIR and mitigation measures identified in TOP 2050 SEIR, as well as the development regulations in the City's municipal code. The TOP 2050 EIR assumes a FAR of 0.55 and the buildout of the site with approximately 240,778 SF of general industrial uses. Pursuant to Public Resources Code Section 21167.2, TOP 2050 SEIR must be conclusively presumed to be valid with regard to its use for later activities unless any of the circumstances requiring supplemental review exist.[1]

This environmental checklist provides the basis for an Addendum to the previously certified Final EIR and serves as the appropriate level of environmental review of the proposed Project, as required pursuant to the provisions of the California Environmental Quality Act (CEQA) (Public Resources Code Section 21000 et seq.) and the State CEQA Guidelines. This checklist confirms that the Project is within the scope of the project analyzed in TOP 2050 SEIR, as provided in State CEQA Guidelines Section 15168, and the Addendum augments the analysis in TOP 2050 SEIR as provided in State CEQA Guidelines Section 15162 and 15164

[1] *See Pub. Resources Code, § 21167.2; Laurel Heights Improvement Ass'n v. Regents of the University of California (1993) 6 Cal.4th 1112, 1130 ("[a]fter certification, the interests of finality are favored"); Santa Teresa Citizen Action Group v. City of San Jose (2003) 114 Cal. App. 4th 689, 705-706.)*

and provides the basis for the City's determination that no supplemental or subsequent EIR is required to evaluate the proposed Project. Environmental analysis and mitigation measures from TOP 2050 SEIR have been incorporated into this Addendum, and applicability of each has been described. In cases where mitigation measures from TOP 2050 SEIR have been revised or satisfied by studies prepared for the Addendum, it is noted.

Pursuant to the provisions of CEQA and the State CEQA Guidelines, the City, as the Lead Agency, is charged with the responsibility of deciding whether to approve the proposed Project. As part of the decision-making process, the City is required to review and consider the potential environmental effects that could result from construction and operation of the proposed Project. The analysis in this document discusses the impacts identified within TOP 2050 SEIR for buildout of the site with 240,778 SF of general industrial uses zoning designation ("previously analyzed Project, TOP 2050 SEIR project") and compares them with the impacts that would result from implementation of the proposed Project's two warehouse buildings totaling 237,236 SF.

Existing Regulatory Requirements (RRs) and Project Design Features (PDFs)
Throughout the analysis of this document, reference is made to requirements that are applied to all development on the basis of federal, state, or local law. Existing Regulatory Requirements are collectively identified in this document as RRs. Where applicable, RR are listed to show their effect in reducing potential environmental impacts. The Project incorporates various measures that serve to reduce potentially significant impacts. These measures are referred to as Project Design Features (PDFs), which are required to be incorporated into the Project. Additionally, applicable Mitigation Measures from TOP 2050 SEIR are included herein and will be incorporated into the Project. As shown throughout the analysis, the Project does not result in any new impacts and no additional mitigation measures are required. All references to mitigation measures relate only to those from TOP 2050 SEIR.

1.2 ENVIRONMENTAL PROCEDURES

Pursuant to CEQA and the State CEQA Guidelines, the City's review of the Checklist and Addendum will determine if approval of the requested discretionary actions and subsequent development could cause a change in the conclusions of the certified EIR and disclose any change in circumstances or new information of substantial importance that would substantially change the conclusions of TOP 2050 SEIR. This environmental Checklist and Addendum provide the City with information to document potential impacts of the proposed Project.

Pursuant to Section 21166 of the Public Resources Code and Section 15162 of the State CEQA Guidelines, when an EIR has been certified or a negative declaration adopted for a project, no subsequent EIR shall be prepared for the project unless the lead agency determines, on the basis of substantial evidence, that one or more of the following conditions are met:

Substantial changes are proposed in the project which will require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;

Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or

New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete, shows any of the following:

- The project will have one or more significant effects not discussed in the previous EIR or negative declaration.

- Significant effects previously examined will be substantially more severe than identified in the previous EIR.
- Mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponent declines to adopt the mitigation measures or alternatives.
- Mitigation measures or alternatives that are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponent declines to adopt the mitigation measures or alternatives.

Section 15164 of the State CEQA Guidelines states that an Addendum to an EIR shall be prepared "if some changes or additions are necessary, but none of the conditions described in Section 15162 calling for preparation of a subsequent EIR have occurred." Section 15168 of the State CEQA Guidelines states that where the later activities involve site specific operations, the agency should use a written Checklist to document the evaluation of the site and the activity to determine whether the environmental effects of the operation were within the scope of the program EIR. Under Section 15168, where if the agency finds that pursuant to Section 15162, no subsequent EIR would be required, the agency can approve the activity as being within the scope of the project covered by the program EIR, and no new environmental document is required.

In reviewing this Addendum, the question before City decision-makers is not whether TOP 2050 SEIR complies with CEQA, but only whether one of the events triggering the need for subsequent environmental review has occurred. (*A Local & Regional Monitor v. City of Los Angeles* (1993) 12 Cal.App.4th 1773; *Committee for Green Foothills v. Santa Clara County Board of Supervisors* (2010) 48 Cal.4th 32.)

This Addendum and the technical studies in support of the analysis evaluates the proposed Project and any significant changes to the existing conditions that have occurred since TOP 2050 SEIR was certified. It also evaluates any new information of substantial importance that was not known and could not have been known with exercise of reasonable diligence at the time that TOP 2050 SEIR was certified. It further examines whether, as a result of any changes or any new information, a subsequent EIR may be required. This examination includes an analysis of the provisions of Section 21166 of the Public Resources Code and Section 15162 of the State CEQA Guidelines and their applicability to the proposed Project. This Addendum relies on use of the environmental analysis provided herein, which addresses environmental issues on a section-by-section basis and provides a comparison to the findings in TOP 2050 SEIR.

On the basis of the findings of the certified TOP 2050 SEIR and the provisions of the State CEQA Guidelines, the City as the Lead Agency determined that, as documented in this Addendum to the previously certified Final EIR, no supplemental or subsequent EIR is required to review the proposed Project.

1.3 PREVIOUS ENVIRONMENTAL DOCUMENTATION

As mandated by CEQA, this Addendum relies on the environmental analysis in TOP 2050 SEIR. A summary of the previous environmental documentation and how it relates to the proposed 627 Bon View Avenue Warehouse Project (proposed Project) is provided below.

TOP 2050 was approved by the City of Ontario in 2022 and serves as an update to TOP 2010 to guide the City's development and conservation for the next 30 years through 2050. TOP 2050 SEIR evaluated the buildout of the Project site pursuant to proposed City of Ontario land use and zoning designations. The proposed Project site has a TOP 2050 land use designation of Industrial (IND) and a zoning designation of General Industrial (IG). The IG zoning designation allows for development of a wide range of manufacturing and assembly activities, storage and warehousing activities, and other similar uses developed at a maximum intensity FAR of 0.55. TOP 2050 SEIR assumed development of a maximum intensity FAR of 0.55 and approximately 240,778 SF of general industrial uses on the 10.05-acre Project site. TOP 2050 SEIR

identified that TOP 2050 would have significant and unavoidable environmental effects related to air quality, cultural resources, noise, and transportation.

TOP 2050 SEIR also identified seven environmental impact areas for which mitigation measures were required to reduce potential environmental impacts to a less than significant level: air quality, cultural resources, paleontological resources, greenhouse gas emissions, noise, transportation, and tribal cultural resources.

This Addendum incorporates by reference TOP 2050 SEIR and the technical documents that relate to the Project or provide additional information concerning the environmental setting of the Project. The information within this Addendum is based on the following technical studies and/or planning documents:

- The Ontario Plan 2050 Final Supplemental Environmental Impact Report State Clearinghouse No. 2021070364
- City of Ontario Development Code (https://www.ontarioca.gov/Planning/Applications)
- City of Ontario Municipal Code (https://codelibrary.amlegal.com/codes/ontarioca/latest/ontario_ca/0-0-0-35678)
- The Ontario Plan (https://www.ontarioca.gov/OntarioPlan)
- Technical studies, personal communications, and web sites listed in Section 6, *References*
- In addition to the websites listed above, all documents are available for review at the City of Ontario Planning Department, located at 303 East B Street, Ontario, CA 91764.

2 ENVIRONMENTAL SETTING

2.1 PROJECT LOCATION

The Project site is located within the western portion of the City of Ontario at 627 Bon View Avenue, Ontario, California 91761. Regional access to the Project site is provided by Interstate 10 (I-10), State Route 83 (SR-83), and State Route 60 (SR-60). Local access to the site is provided by Ontario Boulevard, Bon View Avenue, and California Street. The Project site and surrounding area are shown in Figure 2-1, *Regional Location* and Figure 2-2, *Local Vicinity*.

2.2 EXISTING PROJECT SITE

The Project site consists of a single parcel encompassing approximately 10.05-acres. The parcel is identified as Assessor's Parcel Number 1049-181-14. The site is currently developed with an RV and Boat Storage facility. The facility contains 6 structures totaling approximately 77,696 SF. Access to the site is currently provided via two gated driveways on Ontario Boulevard, four gated driveways on Bon View Avenue, and two gated entrances on California Street. The Project site's existing conditions are shown in Figure 2-3, *Aerial,* and Figure 2-4, *Site Photos*.

2.3 EXISTING LAND USES AND ZONING DESIGNATION OF THE PROJECT SITE

The Project site has a General Plan Land Use designation of Industrial and is zoned General Industrial (IG). The Industrial land use designation accommodates a variety of light industrial uses, including warehousing/distribution, assembly, light manufacturing, research and development, storage, repair facilities, and supporting retail and professional office uses developed at a maximum FAR of 0.55. The IG zone is intended to allow for a wide range of manufacturing and assembly activities, storage and warehousing activities, and other similar uses developed at a maximum FAR of 0.55.

2.4 SURROUNDING GENERAL PLAN AND ZONING DESIGNATIONS

The Project site is located within a fully developed and urbanized area. Land uses surrounding the Project site are described in Table 2-1.

Table 2-1: Surrounding Existing Land Use and Zoning Designations

	Existing Land Use	City General Plan Designation	City Zoning Designation
North	Ontario Boulevard followed by the Union Pacific Railroad and vacant and undeveloped land and the Ontario Access Center.	Industrial	General Industrial (IG)
West	Bon View Avenue followed by commercial and industrial uses.	Industrial	General Industrial (IG)
South	Industrial building and recycling center followed by California Street followed by a food bank, a residence, vacant and undeveloped parcels and a trailer storage yard.	Business Park	Light Industrial (IL)
East	Truck repair shop, feed manufacturer, and steel distributor.	Industrial	General Industrial (IG)

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Regional Location

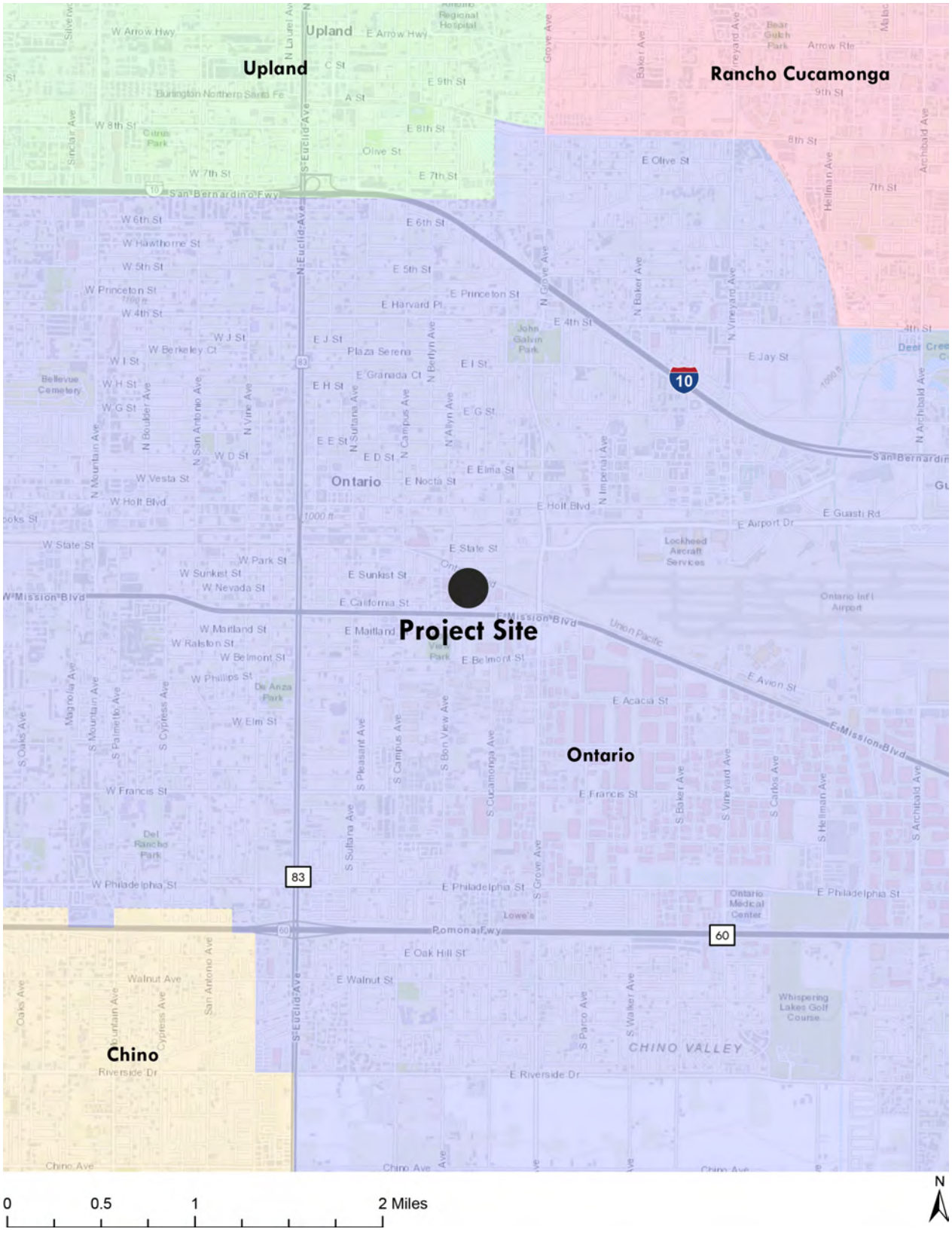

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Figure 2-1

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Local Vicinity

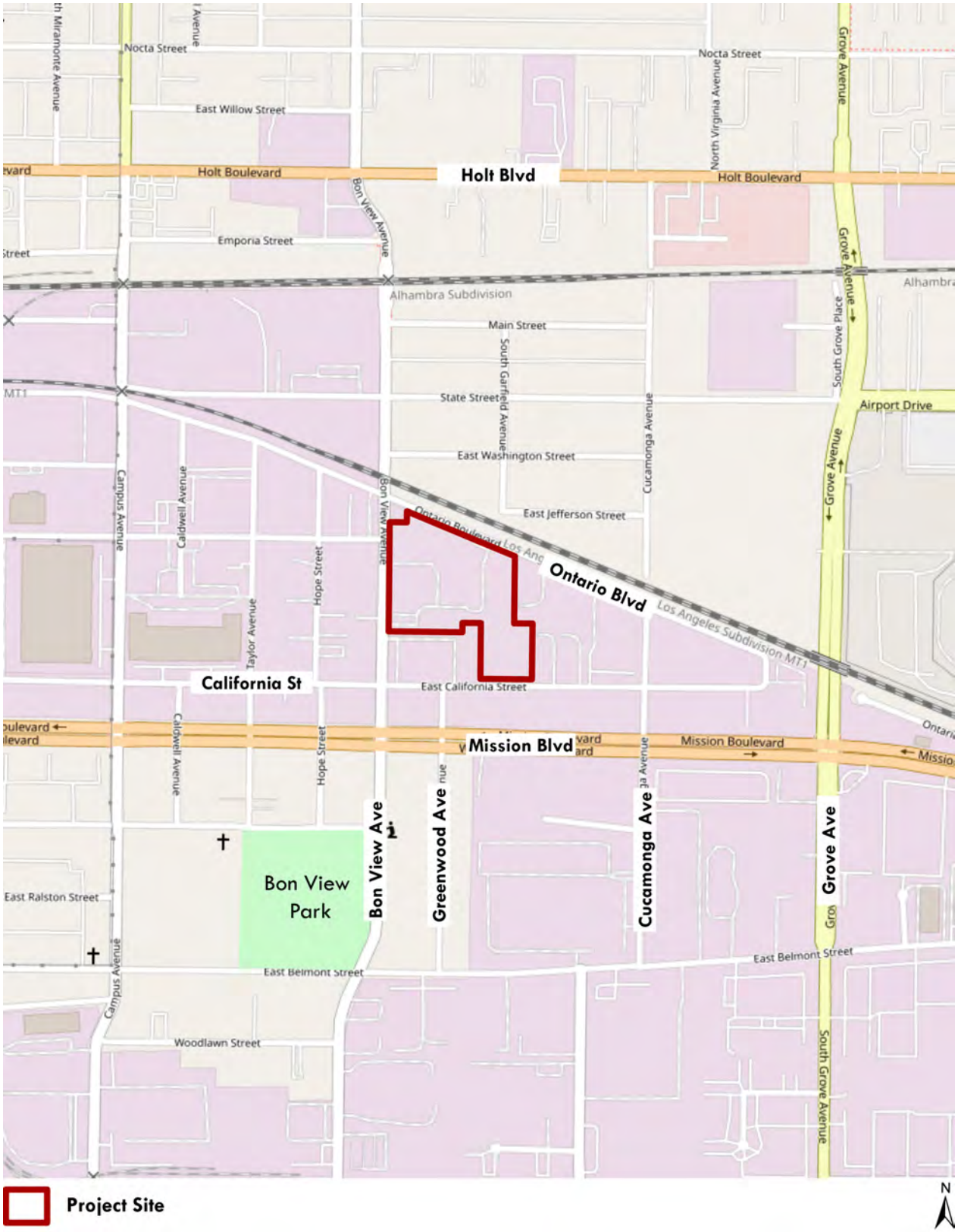

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Figure 2-2

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Aerial View

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Figure 2-3

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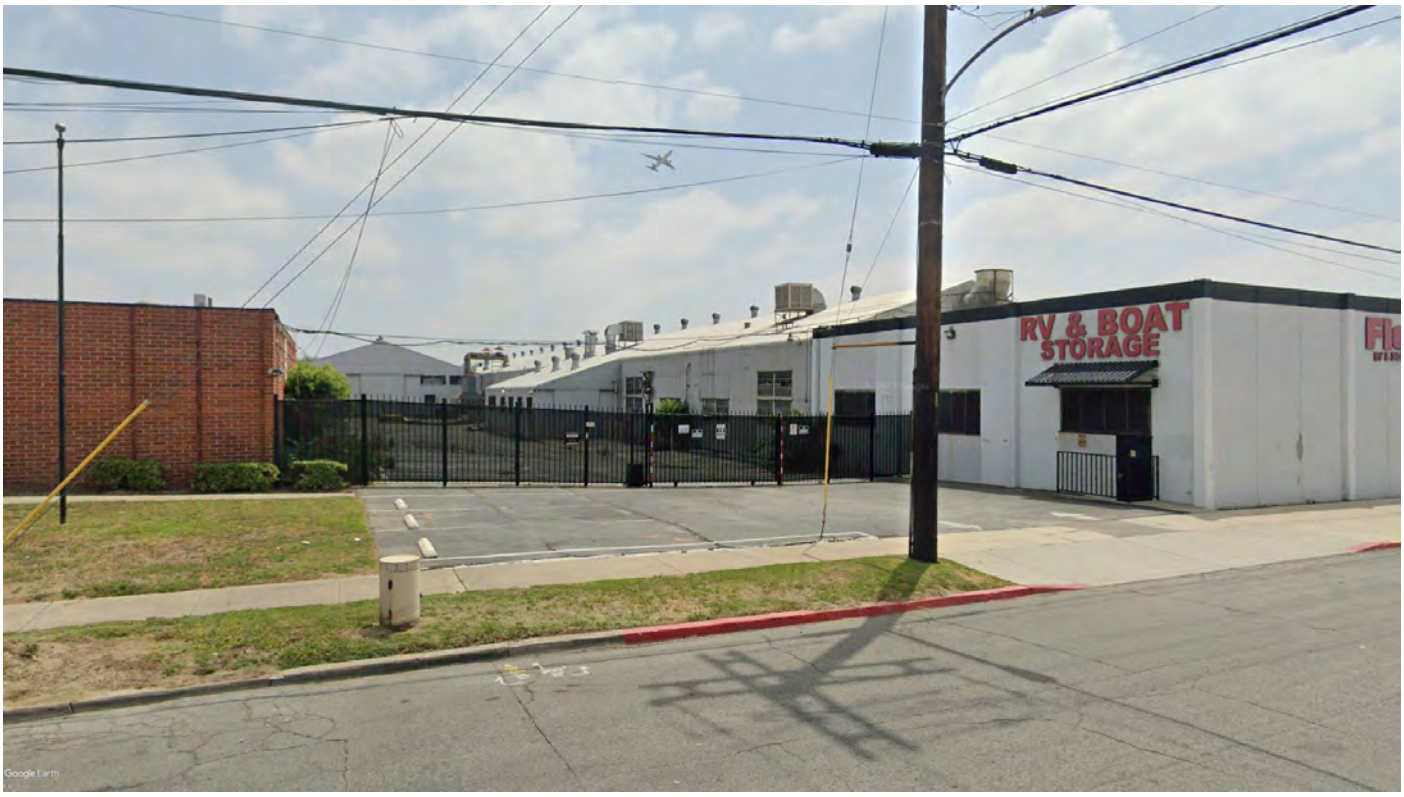
Site Photos



View of the site from the northern corner on Bon View Ave.

South driveway into site on Bon View Ave.

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Figure 2-4a

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Site Photos

North side of site on Ontario Blvd.

Looking northbound from the south side of site on California St.

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Figure 2-4b

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3 PROJECT DESCRIPTION

3.1 PROJECT OVERVIEW

The applicant for the proposed Project is requesting approval from the City of Ontario to demolish six existing structures totaling 77,696 SF on the site, to subdivide the existing parcel into two parcels, and to construct two warehouse buildings totaling 237,236 SF. The Project would include parking, associated infrastructure improvements, and landscaping corresponding with each building. Figure 3-1, *Conceptual Site Plan,* illustrates the proposed site plan. This document discusses the impacts identified within TOP 2050 SEIR for buildout of the site with 240,778 SF of general industrial uses ("previously analyzed Project, TOP 2050 SEIR project") and compares them with the impacts that would result from implementation of the proposed Project's two warehouse buildings totaling 237,236 SF.

3.2 PROJECT FEATURES

Tentative Parcel Map

The Project proposes the subdivision of the 10.5-acre parcel identified as Assessor's Parcel Number 1049-181-14. Resulting Parcel 1 would be 8.12-acres and resulting Parcel 2 would be 1.92-acres.

Building Summary and Architecture

The Project proposes construction of two industrial warehouse buildings totaling 237,236 SF. Building 1 would be constructed on Parcel 1 and would be approximately 191,145 SF, resulting in a FAR of 0.54. Building 2 would be constructed on Parcel 2 and would be approximately 46,091 SF, resulting in a FAR of 0.55. A breakdown of each building is outlined below:

Table 2: Building Breakdown

	Building 1	**Building 2**
Warehouse	183,145 SF	43,091 SF
Office	8,000 SF[1]	3,000 SF
Total	**191,145 SF**	**46,091 SF**

[1]Inclusive of 4,000 SF mezzanine office space.

Building 1 would be single-story and approximately 45 feet tall at the parapet and include loading docks and associated vehicle and truck trailer parking spaces. The building would provide approximately 183,145 SF of warehouse space, approximately 8,000 SF of office space, with 4,000 SF of that as ground floor office and 4,000 SF as mezzanine. Building 1 would be set back a minimum of 10 feet from the northern property line, 64 feet from the eastern property line, 10 feet from the western property line, and a minimum of 9 feet from the southern property line.

Building 2 would be single-story and approximately 42 feet tall at the parapet and include loading docks and associated vehicle and truck trailer parking spaces. The building would provide approximately 43,091 SF of warehouse space and approximately 3,000 SF of office space. Building 2 would be set back 6 feet from the northern property line, a minimum of 84 feet from the eastern property line, 10 feet from the southern property line, and 5.9 feet from the western property line.

As shown in Figures 3-2a-b, *Elevations*, both buildings would establish an architectural presence through an emphasis on building finish materials and consistent material usage and color scheme. The buildings would be white and shades of grey with highlights of indigo blue. The use of landscaping, building layout, finish materials, and accenting on the Project site would create a quality architectural presence along the Ontario Boulevard, Bon View Avenue, and California Street frontages.

Parking and Loading Dock Summary

Building 1 would include 25 dock doors located along the southern side of the building. Building 1 would also include 23 trailer parking spaces located along the southern property line. Building 1 would also include 106 passenger vehicle parking spaces (101 standard spaces and 5 accessible spaces) located to the north, east, and south of the building.

Building 2 would include five dock doors and two trailer stalls located along the eastern side of the building. Building 2 would also include 37 passenger vehicle parking spaces (35 standard spaces and two accessible spaces) located to the east of the building.

Landscaping and Fencing

Building 1 would include an 8-foot-high tubular steel fence along the southern property line to screen the truck yard. Building 2 would include an 8-foot-high tubular steel fence along the northern and eastern property lines to screen the truck yard. Building 1 would also include a 12-foot-high wall along the truck court near Bon View Avenue and Building 2 would contain a 12-foot-high wall along the truck court to screen activities from California Street. Both Buildings 1 and 2 would also include rolling gates to control access to the truck loading and trailer parking areas.

Building 1 would include approximately 53,500 SF of landscaping around the perimeter of the site and in-between parking areas. Building 2 would include approximately 8,600 SF of landscaping around the perimeter of the site. Landscaping would include 24-inch, 36-inch, and 48-inch box trees, 5-gallon shrubs, accents, and groundcover to screen the proposed building, parking, and loading areas from off-site viewpoints as shown in Figure 3-3, *Landscape Plan*.

Access and Circulation

Building 1 would be accessible via four driveways: two on Bon View Avenue and two on Ontario Boulevard. The southernmost driveway on Bon View Avenue would be 40-feet-wide and the northernmost driveway would be 26-feet-wide. The westernmost driveway on Ontario Boulevard would be 26-feet-wide and the easternmost driveway would be 30-feet-wide. Internal circulation would be provided via a 30-foot-wide drive aisle, as shown in Figure 3-1, *Conceptual Site Plan*.

Building 2 would be accessible via one 33-foot-wide driveway on California Street. Internal circulation would be provided via a 33-foot-wide drive aisle.

Infrastructure Improvements

Water and Sewer

The Project would extend the proposed 12-inch water line in Ontario Boulevard west to connect to the existing 8-inch water line in Bon View Avenue. Building 1 would install new onsite water that would connect to the extended 8-inch water line in Ontario Boulevard.

Building 2 would install new onsite water lines that connect to the existing 8-inch water line California Street.

Drainage Improvements

Storm flows from Building 1 would be collected and conveyed via storm drainpipe into a proposed underground storage chamber. Chamber outflow will be directed to Bon View Avenue via a parkway drain. Bon View Avenue drains to California Street.

Storm flows from Building 2 would be collected and conveyed via storm drainpipe into a proposed underground storage chamber. Chamber outflows are directed to California street to mimic the existing condition.

3.3 OPERATIONAL CHARACTERISTICS

The Project would be operated as two individual warehouses. The Project does not include cold storage. Typical operational characteristics include employees and customers traveling to and from the site, delivery of materials and supplies to the site and truck loading and unloading. The Project is anticipated to operate 7 days a week 24 hours a day.

3.4 CONSTRUCTION AND PHASING

Construction activities for the Project would occur over one phase and in the following stages: (1) demolition and removal of existing structures, foundations, asphalt/pavement, utilities, and other subsurface improvements; (2) grading and excavation; (3) site preparation, which includes clearing any remaining infrastructure, utilities, and trenching for the new utilities and services; (4) building construction; and (5) landscape installation, paving, and application of architectural coatings. Demolition is expected to begin in third Quarter 2023 and construction would take place over 15 months, ending in fourth Quarter 2024. Construction activities would be limited to the hours of 7:00 a.m. to 6:00 p.m. on weekdays and 9:00 a.m. to 6:00 p.m. on weekends pursuant to the City's Municipal Code Section 5-29.09.

The Project would require 10,000 cubic yards of cut and 10,000 cubic yards of fill for the construction of the two buildings. Remedial grading would be performed within the proposed building pad areas to remove undocumented fill soils, which extend to depths of 4 to 5 feet below finished pad grade, and at least 2 feet below the deepest footing bottom elevation.

3.5 DISCRETIONARY APPROVALS, PERMITS, AND STUDIES

The following discretionary approval, permits, and studies are anticipated to be necessary for implementation of the proposed Project:

City of Ontario

- Development Plan Review
- Parcel Map
- Adoption of this CEQA Addendum with the determination that the Addendum has been prepared in compliance with the requirements of CEQA.
- Approvals and permits necessary to execute the proposed Project, including but not limited to, demolition permit, grading permit, building permit, etc.

Conceptual Site Plan

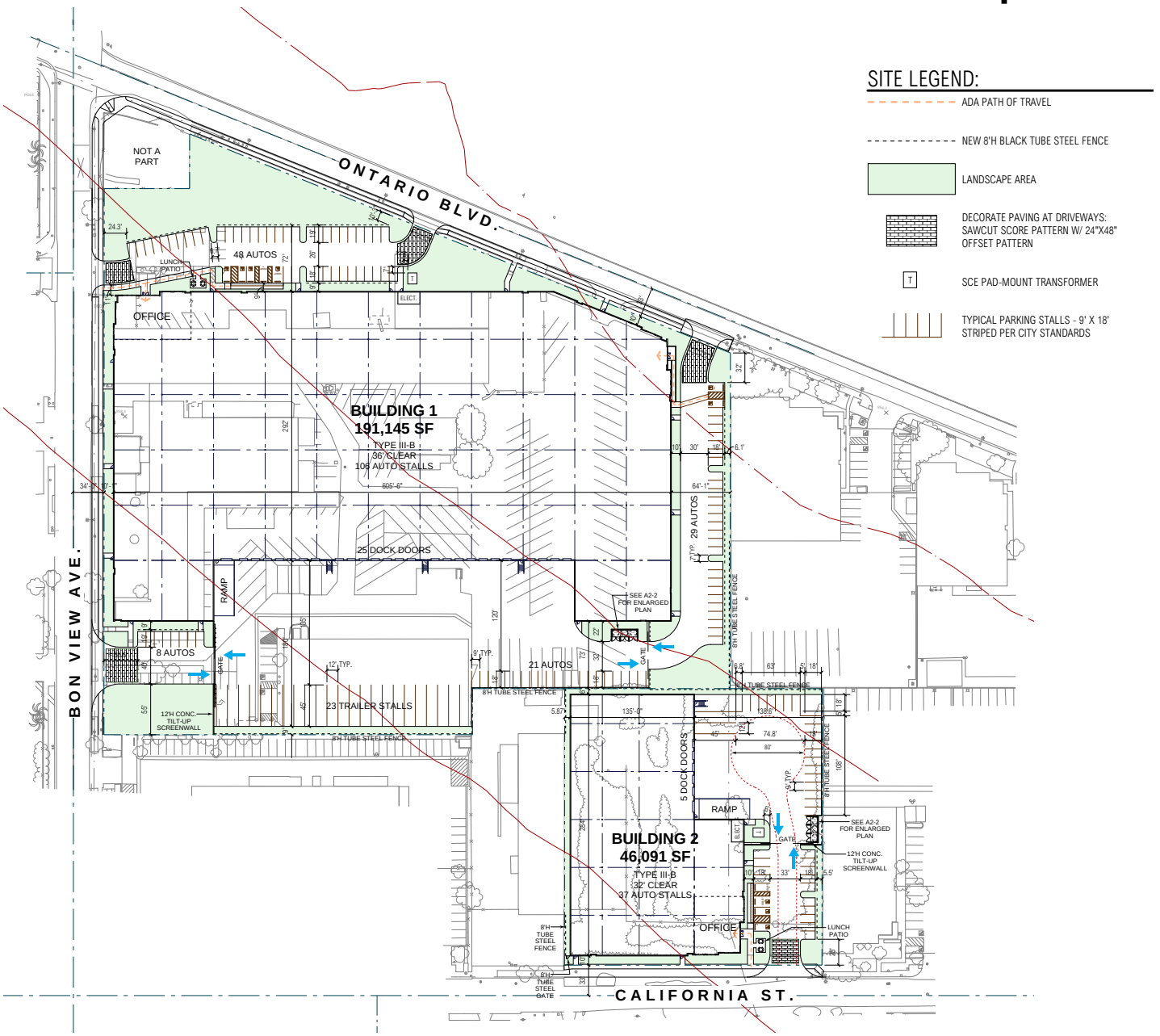

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Figure 3-1

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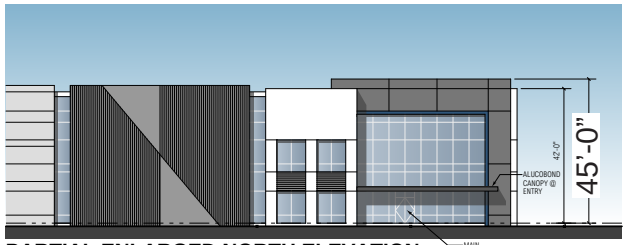
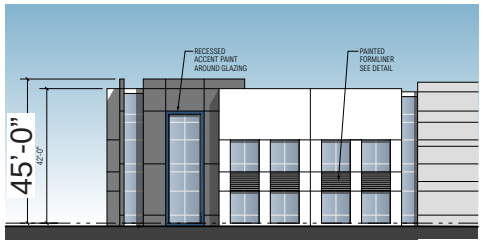
Building 1 Elevations



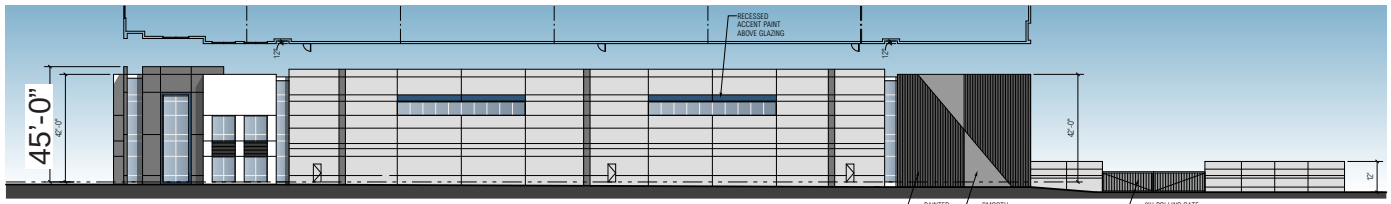
PARTIAL ENLARGED NORTH ELEVATION



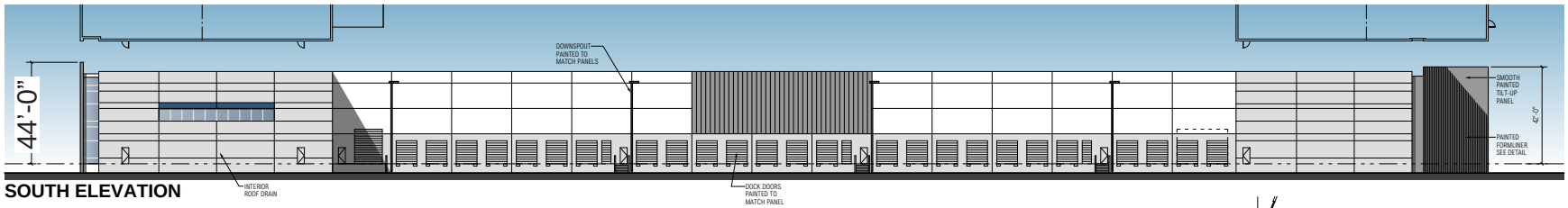
PARTIAL ENLARGED WEST ELEVATION

FINISH SCHEDULE: SEE NOTE #3 REGARDING REQUIRED GRAFFITI PROOF COATING

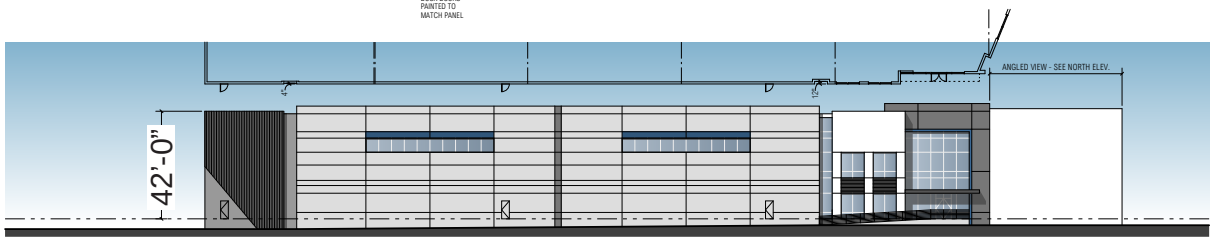
1. SW-7005 PURE WHITE
2. SW-7072 ONLINE
3. SW-7074 SOFTWARE
4. SW-7075 WEB GRAY
4. SW-7602 INDIGO BLUE
5. TRELLISES - GRAPHITE MICA ALUCOBOND
6. GLASS - PRIMARY WINDOW PPG SOLARCOOL PACIFICA



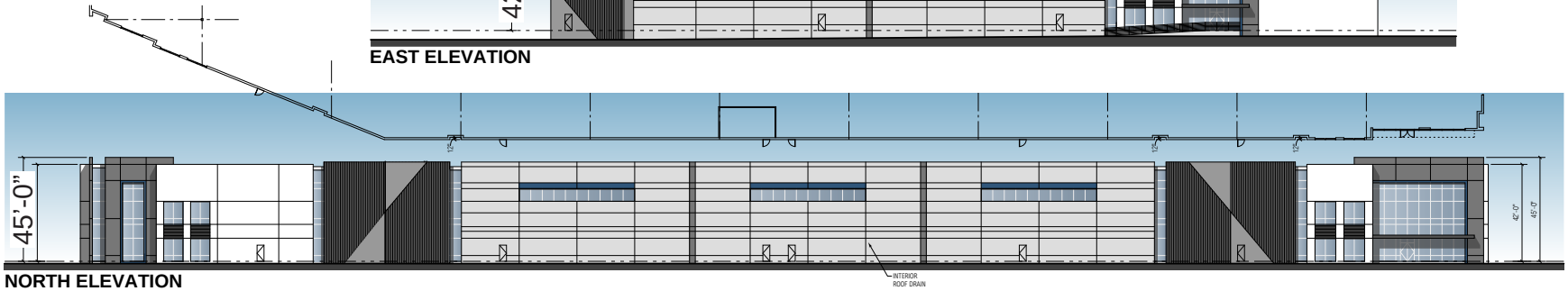
WEST ELEVATION



SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION

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Figure 3-2a

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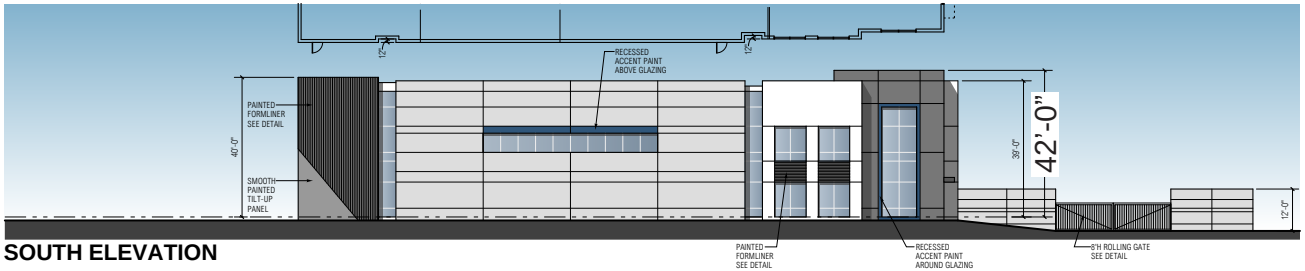
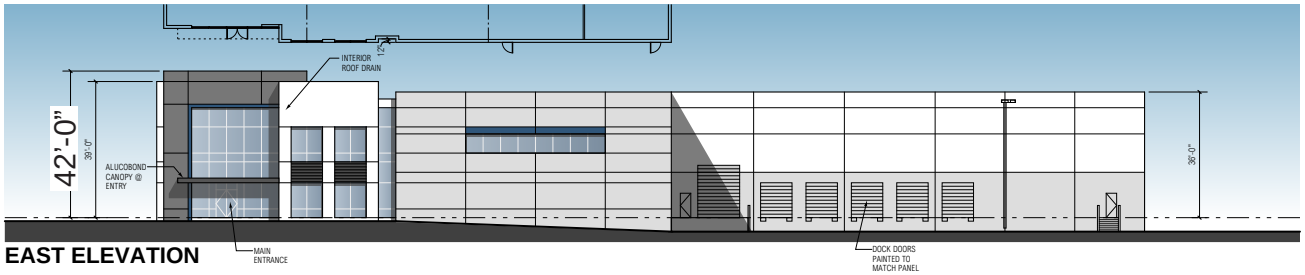
Building 2 Elevations



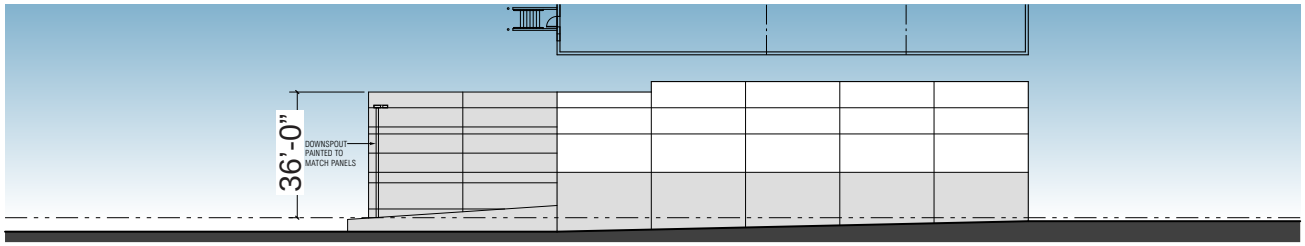
SOUTH ELEVATION

FINISH SCHEDULE:

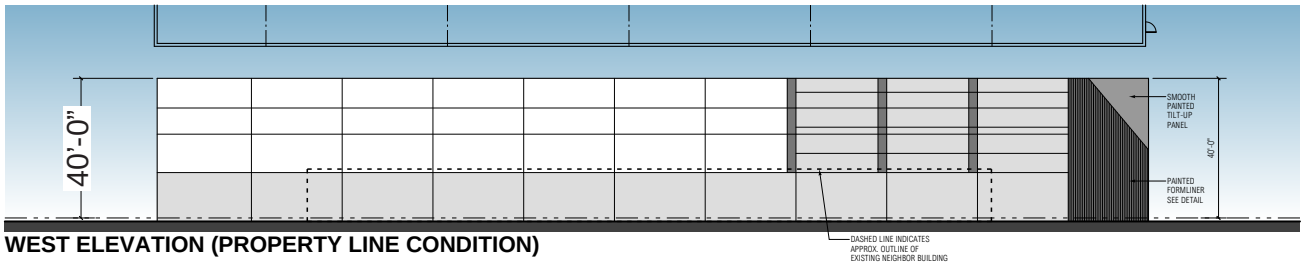
1. SW-7005 PURE WHITE
2. SW-7072 ONLINE
3. SW-7074 SOFTWARE
4. SW-7075 WEB GRAY
4. SW-7602 INDIGO BLUE
5. TRELLISES - GRAPHITE MICA ALUCOBOND
6. GLASS - PRIMARY WINDOW PPG SOLARCOOL PACIFICA



EAST ELEVATION



NORTH ELEVATION



WEST ELEVATION (PROPERTY LINE CONDITION)

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Landscape Plan

PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	CONT	WUCOLS	QTY
	Cercis canadensis 'Forest Pansy' / Eastern Redbud	24"box	Med	9
	Fraxinus oxycarpa / Raywood Ash	24"box	Med	12
	Lagerstroemia x 'Natchez' / Lavender Crape Myrtle Std.	24"box	Med	13
	Platanus racemosa / California Sycamore	24"box	Med	17
	Platanus racemosa / California Sycamore	36"box	Med	8
	Quercus agrifolia - Standard / Coast Live Oak	48"box	Low	9
	Quercus virginiana / Southern Live Oak	36"box	Low	9
	Tristania conferta / Brisbane Box	24"box	Med	53

CONCEPT PLANT SCHEDULE

FOUNDATION PLANTING / HEDGE SCREEN - MED WATER - 5 GAL
Buxus microphylla japonica 'Green Beauty' / Green Beauty Boxwood
Juniperus chinensis 'Spartan' / Spartan Juniper
Ligustrum texanum / Texas Privet
Nandina domestica / Heavenly Bamboo
Podocarpus gracilior 'Column' / Fern Pine
Rhaphiolepis indica 'Jack Evans' / Indian Hawthorn
Xylosma congestum / Shiny Xylosma

GRASSES - LOW WATER - 5 GAL
Muhlenbergia capillaris / Pink Muhly
Muhlenbergia lindheimeri 'Autumn Glow' TM / Lindheimer's Muhly

LARGE SCALE PERIMETER SHRUBS - LOW WATER - 5 GAL
Arbutus unedo / Strawberry Tree Shrub
Callistemon citrinus / Lemon Bottlebrush Shrub
Dodonaea viscosa 'Purpurea' / Purple Leafed Hopseed Bush
Elaegnus pungens / Silverberry
Heteromeles arbutifolia / Toyon

SMALL SCALE FOUNDATION PLANTING - LOW WATER - 5 GAL
Elaegnus pungens / Silverberry
Leucophyllum frutescens 'Green Cloud' TM / Green Cloud Texas Ranger
Westringia fruticosa / Coast Rosemary

ACCENT SHRUBS - LOW WATER USE - 5 GAL
Agave desmettiana 'Variegata' / Variegated Agave
Agave x 'Blue Flame' / Blue Flame Agave
Callistemon citrinus 'Little John' / Dwarf Bottle Brush
Muhlenbergia capillaris / Pink Muhly
Muhlenbergia lindheimeri 'Autumn Glow' TM / Lindheimer's Muhly
Rosmarinus officinalis 'Tuscan Blue' / Tuscan Blue Rosemary
Salvia clevelandii 'Allen Chickering' / Cleveland Sage
Salvia greggii 'Furmans Red' / Furman's Red Salvia
Westringia fruticosa / Coast Rosemary

ACCENT SHRUBS - MEDIUM WATER USE - 5 GAL
Pittosporum tenuifolium 'Marjorie Channon' / Tawhiwhi
Rhaphiolepis indica 'Jack Evans' / Indian Hawthorn
Rosa floribunda 'Iceberg' / Iceberg Rose

GROUND COVER PALETTE - LOW WATER USE - 1 GAL
Acacia redolens 'Desert Carpet' TM / Bank Catclaw
Baccharis pilularis 'Pigeon Point' / Coyote Brush
Lonicera japonica 'Halliana' / Halls Honeysuckle Flowering Vine
Myoporum parvifolium 'Putah Creek' / Putah Creek Myoporum
Rosmarinus officinalis 'Huntington Carpet' / Huntington Carpet Rosemary

GROUND COVER PALETTE - MEDIUM WATER USE - 1 GAL
Rosa x 'Flower Carpet Pink' / Rose
Rosa x 'Flower Carpet Red' / Rose
Trachelospermum jasminoides / Star Jasmine

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Figure 3-3

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4 ENVIRONMENTAL CHECKLIST

4.1 BACKGROUND

Date: November 2022
Project Title: 627 Bon View Avenue Warehouse Project
Lead Agency: City of Ontario 303 E B Street, Ontario, CA 91764
Lead Agency Contact: Alexis Vaughn, Planner (909) 395-2276 avaughn@ontarioca.gov
Project Location: The 10.05 gross-acre (10.05 net-acre) site is located within the western portion of the City of Ontario, on one parcel at 627 Bon View Avenue, Ontario CA 91761 (APN 1049-181-14).
Project Sponsor's Name and Address: 627 Bon View, LLC 150 South 5th Street, Suite 2675 Minneapolis, MN 55402
Land Use and Zoning Designation: The Project site has a General Plan land use designation of Industrial and is zoned as General Industrial (IG).
Project Description: The Project proposes to demolish the existing six buildings totaling 77,696 SF, surface parking/storage yard and related infrastructure and subdivide the existing 10.05-acre site into two parcels to construct two warehouse buildings totaling 237,236 SF with a FAR of 0.54. Additional improvements would include landscaping, sidewalks, utility connections, implementation of stormwater facilities, and pavement of parking areas and driveways. A more detailed description of the proposed Project is provided in Section 3, *Project Description*. The analysis in this document discusses the impacts identified within TOP 2050 SEIR for buildout of the site with a FAR of 0.55 and approximately 240,778 SF of general industrial uses and compares them with the impacts that would result from implementation of the proposed Project's two warehouse buildings totaling 237,236 SF.
Surrounding Land Uses and Setting: The Project site is within an urban environment, is developed with an RV and boat storage facility building and is surrounded by industrial and commercial uses.
Other Public Agencies Whose Approval is Required: None

4.2 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The subject areas checked below were determined to be new significant environmental effects or to be previously identified effects that have a substantial increase in severity either due to a change in project, change in circumstances or new information of substantial importance, as indicated by the checklist and discussion on the following pages.

☐	Aesthetics	☐	Agriculture and Forest Resources	☐	Air Quality
☐	Biological Resources	☐	Cultural Resources	☐	Energy
☐	Geology/Soils	☐	Greenhouse Gas Emissions	☐	Hazards and Hazardous Materials
☐	Hydrology/Water Quality	☐	Land Use/Planning	☐	Mineral Resources
☐	Noise	☐	Population/Housing	☐	Public Services
☐	Recreation	☐	Transportation	☐	Tribal Cultural Resources
☐	Utilities/Service Systems	☐	Wildfire	☐	Mandatory Findings of Significance

4.3 DETERMINATION:

On the basis of this initial evaluation

☐ No substantial changes are proposed in the project and there are no substantial changes in the circumstances under which the project will be undertaken that will require major revisions to the previous approved ND or MND or certified EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects. Also, there is no "new information of substantial importance" as that term is used in CEQA Guidelines Section 15162(a)(3). Therefore, the previously adopted ND or MND or previously certified EIR adequately discusses the potential impacts of the project without modification.

☒ The Checklist/Addendum concludes that none of the conditions or circumstances that would require preparation of a subsequent or supplemental EIR pursuant to Public Resources Code Section 21166 and CEQA Guidelines Section 15162 exists in connection with the design of the Project. No substantial changes have been proposed to the project described in the Final EIR that require major revisions to Final EIR. No new significant environmental effects or substantial increase in the severity of previously identified significant environmental effects would occur. The Checklist/Addendum also indicates that there have not been any substantial changes with respect to the circumstances under which development of the project site, including the project, would be undertaken that would require major revisions to the Final EIR. The Checklist/Addendum concludes that no substantial changes with respect to circumstances under which the project is undertaken have occurred that have not already been accounted for. The Checklist/Addendum also concludes that no new information of substantial importance, which was not known and could not have been known at the time that the Final EIR was certified, shows that the project would cause or substantially worsen significant environmental impacts discussed in the Final EIR, that mitigation measures or alternatives found infeasible in the Final EIR would in fact be feasible, or that different mitigation measures or alternatives from those analyzed in the Final EIR would substantially reduce one or more significant environmental effects found in the Final EIR.

☐ Substantial changes are proposed in the project or there are substantial changes in the circumstances under which the project will be undertaken that will require major revisions to the previous ND, MND or EIR due to the involvement of significant new environmental effects or a substantial increase in the severity of previously identified significant effects. Or, there is "new information of substantial importance," as that term is used in CEQA Guidelines Section 15162(a)(3). However, all new potentially significant environmental effects or substantial increases in the severity of previously identified significant effects are clearly reduced to below a level of significance through the incorporation of mitigation measures agreed to by the project applicant. Therefore, a Subsequent MND is required.

☐ Substantial changes are proposed in the project or there are substantial changes in the circumstances under which the project will be undertaken that will require major revisions to the previous environmental document due to the involvement of significant new environmental effects or a substantial increase in the severity of previously identified significant effects. Or, there is "new information of substantial importance," as that term is used in CEQA Guidelines Section 15162(a)(3). However, only minor changes or additions or changes would be necessary to make the previous EIR adequate for the project in the changed situation. Therefore, a Supplemental EIR is required.

☐ Substantial changes are proposed in the project or there are substantial changes in the circumstances under which the project will be undertaken that will require major revisions to the previous environmental document due to the involvement of significant new environmental effects or a substantial increase in the severity of previously identified significant effects. Or, there is "new information of substantial importance," as that term is used in CEQA Guidelines Section 15162(a)(3) such as one or more significant effects not discussed in the previous EIR. Therefore, a SUBSEQUENT EIR is required.

Alexis Vaughn — 02/06/2023

Signature — Date

Alexis Vaughn, Associate Planner

Printed Name — For

4.4 EVALUATION OF ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts in this addendum summarizes conclusions made in TOP 2050 SEIR and compares them to the impacts of the proposed 627 Bon View Avenue Warehouse Project. Mitigation measures referenced are from the Mitigation Monitoring Final adopted as part of TOP 2050 SEIR and are described as either being previously implemented, applicable to the proposed Project, or not applicable.

This comparative analysis has been undertaken pursuant to the provisions of CEQA and the State CEQA Guidelines, to provide the factual basis for determining whether the proposed Project, or any new information that has come to light that permits or requires the preparation of a subsequent or supplemental EIR.

The analysis herein follows the outline and format, and applies the impact thresholds of, TOP 2050 SEIR, as required by CEQA. (*Citizens Against Airport Pollution v. City of San Jose* (2014) 227 Cal.App.4th 788.) As discussed previously in Section 1.2 *Environmental Procedures*, pursuant to State CEQA Guidelines Section 15162, when an EIR has been previously certified that includes the scope of development of a site or area, no subsequent or supplemental EIR shall be prepared for the project unless the lead agency determines that one or more of the following three conditions are met: 1) the project would result in new or substantially more severe impacts than were disclosed in the previous EIR; 2) changes in the circumstances surrounding the project result in new or substantially more severe impacts than were disclosed in the previous EIR; or 3) new

information has come to light showing that new or substantially more severe impacts than were disclosed in the previous EIR will occur.

4.5 TERMINOLOGY USED IN THE CHECKLIST

For each question listed in the Environmental Checklist, a determination of the level of significance of the impact is provided. Impacts are categorized in the following categories:

Substantial Change in Project or Circumstances Resulting in New Significant Effects. A Subsequent EIR is required when 1) substantial project changes are proposed or substantial changes to the circumstances under which the project is undertaken, and 2) those changes result in new significant environmental effects or a substantial increase in the severity of previously identified significant effects, and 3) project changes require major revisions of the EIR.[2]

New Information Showing Greater Significant Effects than Previous EIR. A Subsequent EIR is required if new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the EIR was certified, shows 1) the project will have one or more significant effects not discussed in the EIR; or 2) significant effects previously examined will be substantially more severe than shown in the EIR.[3]

New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined. A Subsequent EIR is required if new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the EIR was certified shows 1) mitigation measures or alternatives previously found not to be feasible would in fact be feasible (or new mitigation measures or alternatives are considerably different) and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative.[4]

With regard to the foregoing three categories, a Supplement to an EIR can be prepared if the criterion for a Subsequent EIR is met, and only minor additions or changes would be necessary to make the EIR adequately apply to the proposed Project.[5]

Minor Technical Changes or Additions. An Addendum to the EIR is required if only minor technical changes or additions are necessary and none of the criteria for a subsequent EIR is met.[6]

No Impact. A designation of *no impact* is given when the proposed Project would have no changes in the environment as compared to the original project analyzed in the EIR.

[2] CEQA Guidelines. California Code of Regulations (CCR), Title 14, Division 6, Chapter 3, § 15162, as amended.
[3] CEQA Guidelines. § 15162.
[4] CEQA Guidelines. § 15162.
[5] CEQA Guidelines. § 15163.
[6] CEQA Guidelines. § 15164.

5 ENVIRONMENTAL ANALYSIS

This section provides evidence to substantiate the conclusions in the environmental checklist. The section briefly summarizes the conclusions of TOP 2050 SEIR, which address development of the Area in which the Project is located; therefore, the descriptions and conclusions are applicable to the Project site. Following the summary of conclusions, is an analysis of the proposed Project's consistency with the findings contained in TOP 2050 SEIR. Mitigation measures referenced herein are from TOP 2050 SEIR.

5.1 AESTHETICS	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☐	☒
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway	☐	☐	☐	☐	☒
c) In nonurbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☐	☐	☒
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☐	☐	☒

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to aesthetics in Section 5.1. TOP 2050 SEIR determined that development built pursuant to TOP would cause vistal disturbances by altering visual appearances from rural agriculture to low- and low-medium density residential land uses and to office/industrial mixed-use in some parts of the City. TOP 2050 SEIR also determined that buildout of the General Plan would create new sources of light and glare. TOP 2050 SEIR concluded that development built pursuant to the Community Design Element and the City's Development Code would ensure potential aesthetic impacts are less than significant. Overall, impacts were determined to be less than significant, and no mitigation is required.

TOP 2050 SEIR Mitigation Measures:

None.

a) Have a substantial adverse effect on a scenic vista?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined impacts related to scenic vistas would be less than significant.

TOP 2050 SEIR notes that visual resources within Ontario include views of the San Bernardino and San Gabriel Mountains and stretches of open space and undeveloped land south of Riverside Drive. There are no officially designated scenic highways in Ontario (Caltrans 2018); however, the Euclid Corridor and the Mission Boulevard Corridor are the primary scenic corridors in Ontario. Euclid Avenue is a grand boulevard with a wide landscaped median along its length. The median is used for public activities and civic events, such as festivals and music concerts. Visually, Euclid Avenue is the most defining corridor in the City. Mission Boulevard has a wide landscaped median and runs east-west immediately south of Ontario International Airport.

The Project site is currently developed with an RV and boat storage facility and parking/storage lot. The proposed Project would demolish the existing six structures and associated parking/storage lot to develop two new warehouse buildings totaling 237,236 SF and measuring a maximum of 45 feet in height.

Due to surrounding industrial and commercial development, distant views of the surrounding foothills of the San Bernardino Mountains are not available from public vantage points on Bon View Avenue, Ontario Boulevard, or California Street. The new warehouses would be set back from the adjacent streets and would not encroach into the existing public long-distance views. Thus, the Project would not impact any scenic vistas or protected viewsheds and impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the proposed Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with the impacts identified in TOP 2050 SEIR.

b) Substantially damage scenic resources, including, trees, rock outcroppings, and historic buildings within a state scenic highway?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined impacts related to scenic resources within a state scenic highway would be less than significant.

According to TOP 2050 EIR, Ontario does not contain any officially designated state scenic highways. The nearest officially designated state scenic highway is Route 142 located approximately 8 miles southwest in Chino Hills. The Project site is not located within view of a state scenic highway, as there are no designated state scenic highways within the vicinity of the site. The Project would not result in impacts to trees, rock outcroppings, or historic buildings within a state scenic highway. Therefore, no impacts to scenic resources within a state scenic highway would occur.

No new or substantially greater impacts would occur with implementation of the proposed Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with the impacts identified in TOP 2050 SEIR.

c) In nonurbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined that there were no significant impacts with respect to being inconsistency with policies or regulations governing scenic quality.

As described previously, the Project site is located within an urbanized area and is surrounded by roadways, and industrial and commercial uses. The existing character of the Project site and surrounding area is neither

unique nor of special aesthetic value or quality. The Project would redevelop the site with two warehouse buildings totaling 237,236 SF. Building 1 would be 45-feet-high and have a footprint of 187,145 SF with a 4,000 SF mezzanine. Building 2 would be 42-feet-high and have a footprint of 46,091 SF. Impacts to visual resources from buildout of the Project site would be less than significant with compliance with the City of Ontario Development Standards, the City's General Plan, and the Ontario Development Code. As detailed in Table AES-1, the Project would be consistent with the development standards for the IG zone. Therefore, the Project would not conflict with an applicable zoning regulation related to scenic quality, and impacts would be less than significant.

Table AES-1: Consistency with IG Development Standards

Development Feature	General Industrial (IG) Standard	Proposed Project
Maximum Floor Area Ratio	0.55 FAR	**Consistent.** Building 1: 0.54 FAR Building 2: 0.55 FAR
Building Height	55 feet maximum	**Consistent.** Building 1: 45 FT Building 2: 42 FT
Landscaping	Corner Lot: Minimum 15 percent Interior Lot: Minimum 10 percent Building 1: 15 percent Building 2: 10 percent	**Consistent.** Building 1: 53,500 SF (15.12%) Building 2: 9,000 SF (10.73%) See Figure 3-3, *Conceptual Landscape Plan*.
Off Street Parking	1) Portion of GFA 20,000 SF or Less: One space per 1,000 SF; 2) Portion of GFA Greater Than 20,000 SF: 0.5 space per 1,000 SF; 3) Tractor-Trailer Parking: One tractor-trailer parking space per 4 dock-high loading doors Building 1: 104 standard stalls required; 6 trailer stalls required Building 2: 33 standard stalls required; 2 trailer stalls required	**Consistent.** Building 1: 106 standard stalls; 23 trailer stalls Building 2: 37 standard stalls; 2 trailer stalls
Walls, Fences and Obstructions	Maximum Height: 14 FT	**Consistent.** Building 1 would include a 12-foot-high wall along the entrance of the truck court and an 8-goot high steel

Development Feature	General Industrial (IG) Standard	Proposed Project
		fence along the southern property line and western property line. Building 2 would include a 12-foot-high wall along the entrance of the truck court and 8-foot-high steel fencing along the perimeter of the property line.
Setback Minimums	From Freeway Property Line: 20 FT	N/A
	From Arterial Street Property Line: 20 FT	Ontario Boulevard and California Street are classified as arterial streets **Consistent.** Building 1 would be set back a minimum of 20 feet from Ontario Boulevard. Building 2 would be set back 33 feet from California Street.
	From Collector and Local Street Property Line: 10 FT	Bon View Avenue is classified as a collector street **Consistent.** Building 1 would be set back a minimum of 10 feet from Bon View Avenue.

Source: Ontario Development Code Table 6.01-10 and Section 6.02.025

The Project would develop the site with two warehouses of similar scale to the existing onsite uses and surrounding industrial uses. The proposed building and use would also be visually compatible with the land uses and buildings adjacent to the site. Thus, the Project would not conflict with applicable development standard criteria and other regulations governing scenic quality, nor would the Project degrade the visual character of the site and surrounding area. Impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the proposed Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined impacts related to new sources of lighting or glare would be less than significant.

The Project site is currently developed with developed with an RV and boat storage facility and parking/storage lot which has exterior lighting. The Project would replace existing sources of light and introduce new sources of light from new building lighting, exterior lighting, interior lights shining through building windows, and headlights from nighttime vehicular trips generated by the Project. The Project may slightly increase lighting and glare compared to the existing site condition due to lighting of the truck court, however, new landscaping would be provided throughout the Project site that would limit impacts from new sources of light and glare. For example, perimeter landscaping, including trees, would limit the spill of light onto adjacent properties. Also, as a standard condition of Project approval, the proposed Project would be required to comply with lighting standards detailed in Section 6.03.050 of the Ontario Development Code, which requires exterior light fixtures to be designed to eliminate adverse impacts of light spillover on to adjacent properties and promote safe vehicular and pedestrian access.. Compliance with the Municipal Code would be implemented through the construction permitting and plan check process. Therefore, impacts associated with new lighting would be less than significant.

No new or substantially greater impacts would occur with implementation of the proposed Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding aesthetics. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

RR AES-1. The proposed Project shall comply with lighting standards detailed in the Ontario Development Code Section 6.03.050 which requires exterior light fixtures to be designed to eliminate adverse impacts of light spillover on to adjacent properties and promote safe vehicular and pedestrian access.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe aesthetic impacts would result from implementation of the proposed Project; therefore, no mitigation measures are required for aesthetics.

5.2 AGRICULTURE AND FOREST RESOURCES	Subsequent or Supplemental EIR			Addendum to EIR	
In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and the forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☐	☒
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☐	☒
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☐	☒

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to agriculture and forest resources in Section 5.2. TOP 2050 SEIR discusses that Ontario's land use plan no longer designates agricultural land uses in the City. Therefore, implementation of TOP 2050 would have no impact on land zoned for the purposes of agricultural uses. Buildout of the 2010 Certified EIR resulted in the cancellation or nonrenewal of Williamson Act contracts, therefore, TOP 2050 would not result in further impacts to Williamson Act lands.

According to TOP 2050 SEIR, there are no land use designations or zoning for forest land, timberland, or timberland zoned Timberland Production in the City of Ontario. As such, the project would not conflict with existing zoning for forest land, timberland, or timberland zoned Timberland Production. Additionally, since there is no forest land in Ontario, the project would not result in conversion of forest land to non-forest use. Impacts to agriculture and forestry resources would be less than significant and no mitigation is required.

TOP 2050 SEIR Mitigation Measures:
None.

a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

Impacts Associated with the Proposed Project

No New Impact. The Project site is currently partially developed with industrial/commercial buildings associated parking lots. The Project site is identified as Urban and Built-Up Land by the California Important Farmland Finder (California Department of Conservation [CDC] 2022). The site is not designated as Prime, Unique, or Farmland of Statewide Importance (CDC 2022). Therefore, the Project would not have impacts related to the conversion of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural use.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

Impacts Associated with the Proposed Project

No New Impact. The Williamson Act (California Land Conservation Act of 1965) restricts the use of agricultural and open space lands to farming and ranching by enabling local governments to contract with private landowners for indefinite terms in exchange for reduced property tax assessments. The Project site is not zoned for agricultural use or located within an Agricultural Resource Area. Additionally, the Project site does not have a Williamson Act contract. As such, the Project would not conflict with existing zoning for agricultural use or with an Agricultural Resource Area or Williamson Act contract, and no impacts would occur.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

Impacts Associated with the Proposed Project

No New Impact. The Project site is currently developed with an RV and boat storage facility and associated parking lot. The site does not contain forest land and there are no forestland resources in the vicinity of the Project site. It is not designated or zoned as forest land or timberland or used for timberland production. As a result, the Project would not result in impacts on timberland resources.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

d) Result in the loss of forest land or conversion of forest land to non-forest use?

Impacts Associated with the Proposed Project

No New Impact. As discussed previously, there are no forest or timberland resources on or in the vicinity of the Project site. The proposed Project would not convert forest land to a non-forest use. Therefore, there would be no impacts related to the loss of forest land or the conversion of forest land to non-forest uses.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?

Impacts Associated with the Proposed Project

No New Impact. As previously stated, the Project site is currently developed with an RV and boat storage facility and associated parking lot. The site is not used for agricultural purposes and is not designated or zoned for forest land. The Project would not convert farmland to a nonagricultural use or convert forest land to a non-forest use. Therefore, no impacts would occur, and the Project would not involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding agriculture and forest resources. There have not been 1) changes related development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site undertaken that require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

None.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe agriculture and forest resources impacts would result from the Project; therefore, no new or revised mitigation measures are required for agriculture and forest resources.

5.3 AIR QUALITY	Subsequent or Supplemental EIR			Addendum to EIR	
Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☐	☐	☒
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non- attainment under an applicable federal or state ambient air quality standard)?	☐	☐	☐	☐	☒
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☐	☐	☒
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☐	☐	☒

The discussion below is based on the Air Quality, Health Risk, Greenhouse Gas, and Energy Impact Report, prepared by LSA, November 2022, and is included as Appendix A[7].

Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to air quality in Section 5.3. TOP 2050 SEIR found that TOP 2050 would be inconsistent with the SCAQMD AQMP because buildout under the plan would cumulatively contribute to the nonattainment designations of the basin. TOP 2050 SEIR found that incorporation of TOP 2050 SEIR Mitigation Measures 3-2 and AQ-1 into future development projects for the operation phase would reduce criteria air pollutant emissions associated with buildout. Additionally, it was determined that goals and policies in TOP 2050 would promote increased capacity for alternative transportation modes. However, TOP 2050 SEIR determined that due to the magnitude of residential units that would be developed under TOP 2050, no additional mitigation measures are available that would reduce impacts below SCAQMD thresholds. As such, impacts were found to be significant and unavoidable.

TOP 2050 SEIR determined buildout in accordance with TOP 2050 would generate short-term emissions that would exceed the South Coast AQMD's regional significance threshold and cumulatively contribute to the nonattainment designations of the SoCAB. Implementation of Mitigation Measure 3-1 and the goals and policies of TOP 2050 would reduce construction-related air pollutant emissions to the extent feasible. However, individual projects may still exceed the South Coast AQMD regional significance thresholds and impacts would remain significant and unavoidable.

TOP 2050 SEIR found that buildout in accordance with TOP 2050 would generate long-term emissions that would exceed the SCAQMD's regional significance thresholds and cumulatively contribute to the nonattainment designations of the basin. TOP 2050 SEIR identified that Mitigation Measure 3-2 and AQ-1, in addition to the goals and policies of TOP 2050, would reduce air pollutant emissions to the extent feasible. However, TOP 2050 SEIR found that impacts would remain significant and unavoidable due to the increase in VOCs from residential development associated with TOP 2050.

[7] Note: The Air Quality, Health Risk, Greenhouse Gas, and Energy Impact Report modeled the Project using a previous version of the site plan in which the proposed warehouses totaled 238,458 SF. Thus, the analysis contained herein is more conservative than the proposed Project's 237,236 SF of warehouse uses.

TOP 2050 SEIR determined that operation of industrial and warehousing land uses accommodated under TOP 2050 could expose sensitive receptors to substantial toxic air contaminant (TAC) concentrations generated from area/stationary sources and mobile sources. However, implementation of TOP 2050 would not produce the volume of traffic required to generate a CO hotspot, and CO hotspots impacts would be less than significant. Additionally, implementation of TOP 2050 may result in projects that emit TACs throughout the City, however, emissions of TACs would be controlled by South Coast AQMD through permitting and would be subject to further study and health risk assessment prior to the issuance of any necessary air quality permits under South Coast AQMD Rule 1401, which would ensure less than significant impacts. TOP 2050 SEIR found that Policy ER-4.9, New Localized Air Pollution Sources Near Existing Sensitive Receptors, would ensure mobile sources of TACs not covered under SCAQMD permits are considered during subsequent project-level environmental review by the City of Ontario. TOP 2050 SEIR concluded that individual development projects would be required to achieve the incremental risk thresholds established by SCAQMD, and TACs would be less than significant. However, implementation of TOP 2050 would generate TACs that could contribute to elevated levels in the air basin. While individual projects would achieve the project-level risk threshold of 10 per million, it was determined that they would nonetheless contribute to the higher levels of cancer risk in the basin; and therefore, result in a cumulatively considerable impact. Therefore, impacts related to cumulative contribution to health risk was determined to be significant and unavoidable.

TOP 2050 SEIR found that buildout of industrial uses permitted under TOP 2050 could include new sources of odors, however future environmental review would be required for these types of industrial projects, which would ensure that sensitive land uses are not exposed to objectionable odors. Industrial land uses associated with TOP 2050 also would be required to comply with South Coast AQMD Rule 402. Therefore, impacts from potential odors generated from industrial land uses associated with TOP 2050 are considered less than significant. TOP 2050 SEIR determined impacts from potential odors generated from residential and other nonresidential land uses associated with TOP 2050 would be less than significant. Additionally, TOP 2050 SEIR identified that construction-related odor emissions would be temporary and intermittent and are overall considered less than significant.

TOP 2050 SEIR Mitigation Measures:

Mitigation Measure 3-1: Prior to discretionary approval by the City of Ontario for development projects subject to CEQA (California Environmental Quality Act) review (i.e., nonexempt projects), project applicants shall prepare and submit a technical assessment evaluating potential project construction-related air quality impacts to the City of Ontario Planning Department for review and approval. The evaluation shall be prepared in conformance with South Coast Air Quality Management District (South Coast AQMD) methodology for assessing air quality impacts. If construction-related criteria air pollutants are determined to have the potential to exceed the South Coast AQMD–adopted thresholds of significance, City of Ontario Building Department shall require feasible mitigation measures to reduce air quality emissions. Potential measures shall be incorporated as conditions of approval for a project and may include:

- Require fugitive dust control measures that exceed South Coast Air Quality Management District's Rule 403, such as:
  - Requiring use of nontoxic soil stabilizers to reduce wind erosion.
  - Applying water every four hours to active soil disturbing activities.
  - Tarping and/or maintaining a minimum of 24 inches of freeboard on trucks hauling dirt, sand, soil, or other loose materials.
- Using construction equipment rated by the United States Environmental Protection Agency as having Tier 4 interim or higher exhaust emission limits.
- Ensuring construction equipment is properly serviced and maintained to the manufacturer's standards.
- Limiting nonessential idling of construction equipment to no more than five consecutive minutes.

- Using Super-Compliant VOC paints for coating of architectural surfaces whenever possible. A list of Super-Compliant architectural coating manufactures can be found on the South Coast Air Quality Management District's website at: http://www.aqmd.gov/prdas/brochures/Super-Compliant_AIM.pdf.

These identified measures shall be incorporated into all appropriate construction documents (e.g., construction management plans) submitted to the City and shall be verified by the City's Planning Department.

Mitigation Measure 3-2: The City of Ontario shall evaluate new development proposals within the City and require all developments to include access or linkages to alternative modes of transportation, such as transit stops, bike paths, and/or pedestrian paths (e.g. sidewalks).

Mitigation Measure AQ 1: Prior to discretionary approval by the City of Ontario for development projects subject to CEQA (California Environmental Quality Act) review (i.e., nonexempt projects), project applicants shall prepare and submit a technical assessment evaluating potential project operation-phase-related air quality impacts to the City of Ontario Planning Department for review and approval. The evaluation shall be prepared in conformance with South Coast Air Quality Management District (South Coast AQMD) methodology in assessing air quality impacts. If operation-related air pollutants are determined to have the potential to exceed the South Coast AQMD–adopted thresholds of significance, the City of Ontario Planning Department shall require that applicants for new development projects incorporate mitigation measures to reduce air pollutant emissions during operational activities. The identified measures shall be included as part of the conditions of approval. Possible mitigation measures to reduce long-term emissions could include, but are not limited to the following:

- For site-specific development that requires refrigerated vehicles, the construction documents shall demonstrate an adequate number of electrical service connections at loading docks for plug-in of the anticipated number of refrigerated trailers to reduce idling time and emissions.
- Applicants for manufacturing and light industrial uses shall consider energy storage and combined heat and power in appropriate applications to optimize renewable energy generation systems and avoid peak energy use.
- Site-specific developments with truck delivery and loading areas and truck parking spaces shall include signage as a reminder to limit idling of vehicles while parked for loading/unloading in accordance with California Air Resources Board Rule 2845 (13 CCR Chapter 10 sec. 2485).
- Provide changing/shower facilities as specified in Section A5.106.4.3 of CALGreen (Nonresidential Voluntary Measures).
- Provide bicycle parking facilities per Section A4.106.9 of CALGreen (Residential Voluntary Measures).
- Provide preferential parking spaces for low-emitting, fuel-efficient, and carpool/van vehicles per Section A5.106.5.1 of CALGreen (Nonresidential Voluntary Measures).
- Provide facilities to support electric charging stations per Section A5.106.5.3 and Section A5.106.8.2 of CALGreen (Nonresidential Voluntary Measures; Residential Voluntary Measures).
- Applicant-provided appliances shall be Energy Star–certified appliances or appliances of equivalent energy efficiency (e.g., dishwashers, refrigerators, clothes washers, and dryers). Installation of Energy Star–certified or equivalent appliances shall be verified by the City during plan check

a) Conflict with or obstruct implementation of the applicable air quality plan?

Impacts Associated with the Proposed Project

No New Impact. The Project site is located in the South Coast Air Basin (Basin) which includes parts of San Bernardino, Los Angeles, and Riverside Counties and all of Orange County. The South Coast Air Quality

Management District (SCAQMD) and the California Air Resources Board (CARB) monitor air quality within the Basin.

Air quality plans describe air pollution control strategies and measures to be implemented by a city, county, region, and/or air district. The primary purpose of an air quality plan is to bring an area that does not attain federal and State air quality standards into compliance with the requirements of the federal Clean Air Act and California Clean Air Act. In addition, air quality plans are developed to ensure that an area maintains a healthful level of air quality based on the National Ambient Air Quality Standards (NAAQS) and the California Ambient Air Quality Standards (CAAQS). The AQMP is prepared by SCAQMD and the Southern California Association of Governments (SCAG). The AQMP provides policies and control measures that reduce emissions to attain both State and federal ambient air quality standards.

According to the SCAQMD, a project is consistent with the AQMP if the project is consistent with anticipated growth and would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP. The SCAQMD's CEQA Handbook, identifies two key indicators of consistency with the AQMP:

- Whether a project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.
- Whether a project will exceed the assumptions in the AQMP based on the year of project buildout and phase.

TOP 2050 SEIR found that TOP 2050 would be inconsistent with the SCAQMD AQMP because buildout under the plan would cumulatively contribute to the nonattainment designations of the basin. TOP 2050 SEIR found that incorporation of TOP 2050 SEIR Mitigation Measures 3-2 and AQ-1 into future development projects for the operation phase would reduce criteria air pollutant emissions associated with buildout. Additionally, it was determined that goals and policies in TOP 2050 would promote increased capacity for alternative transportation modes. However, TOP 2050 SEIR determined that due to the magnitude of residential units that would be developed under TOP 2050, no additional mitigation measures are available that would reduce impacts below SCAQMD thresholds. As such, impacts were found to be significant and unavoidable.

The violations to which Consistency Criterion No. 1 refers are CAAQS and NAAQS. As shown in Table AQ-1 and Table AQ-2, below, the proposed Project would not exceed the short-term construction standards or long-term operational standards and would therefore not violate any air quality standards. Thus, no impact would occur, and the Project would be consistent with the first criterion.

Concerning Consistency Criterion No. 2, the AQMP contains air pollutant reduction strategies based on SCAG's latest growth forecasts, and SCAG's growth forecasts were defined in consultation with local governments and with reference to local general plans and specific plans. The Project is consistent with the land use designation and development density presented in TOP. The site is within the General Industrial zoning designation which accommodates a variety of light industrial uses, including warehousing/distribution, assembly, light manufacturing, research and development, storage, repair facilities, and supporting retail and professional office uses developed at a maximum FAR of 0.55. TOP 2050 SEIR analyzed buildout of 0.55 FAR, or approximately 240,778 SF of general industrial development on the Project site. The Proposed Project would develop two warehouse buildings totaling 237,236 SF, totaling 0.54 FAR, consistent with the analysis in the TOP 2050 SEIR. Building 1 would be approximately 191,145, resulting in a FAR of 0.54 while Building 2 would be approximately 46,091 SF, resulting in a FAR of 0.55.

As described in the analysis below, the emissions from the Project would be below SCAQMD emissions thresholds and would not result in an increase in the frequency or severity of existing air quality violations or cause a new violation. Therefore, impacts related to conflict with the AQMP from the proposed Project would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non- attainment under an applicable federal or state ambient air quality standard)?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined that buildout in accordance with TOP 2050 would generate short-term emissions that would exceed the SCAQMD's regional significance thresholds and cumulatively contribute to the nonattainment designations of the basin. TOP 2050 SEIR found that TOP 2050 SEIR Mitigation Measure 3-1 and The Ontario Plan 2050 goals and policies would reduce construction-related air pollutant emissions to the extent feasible. However, TOP 2050 SEIR determined that individual projects accommodated under TOP 2050 may exceed the SCAQMD regional significance thresholds. Therefore, it was determined that construction-related regional air quality impacts of developments that would be accommodated by TOP 2050 SEIR would be significant and unavoidable.

A Project specific air quality, health risk, greenhouse gas, and energy analysis was prepared for the proposed Project (provided as Appendix A herein). The analysis quantifies the air quality criteria pollutants[8] generated from construction and operation of the proposed Project, using CalEEMod, and compared them to SCAQMD emissions thresholds.

The Basin is in a non-attainment status for federal ozone standards, federal carbon monoxide standards, and state and federal particulate matter standards. Any development in the Basin, including the Project, could cumulatively contribute to these pollutant violations. The methodologies from the SCAQMD CEQA Air Quality Handbook are used in evaluating Project impacts. SCAQMD has established daily mass thresholds for regional pollutant emissions, which are shown in Table AQ-1. Should construction or operation of the proposed Project exceed these thresholds a significant impact could occur; however, if estimated emissions are less than the thresholds, impacts would be considered less than significant.

Table AQ-1: Maximum Daily Regional Construction Emissions

Pollutant	Construction (pounds/day)	Operations (pounds/day)
VOC	75	55
NOx	100	55
CO	550	550
PM10	150	150
PM2.5	55	55
SOx	150	150

Source: Regional Thresholds presented in this table are based on the SCAQMD Air Quality Significance Thresholds, March 2015

[8] Criteria pollutants are the only air pollutants with national air quality standards that define allowable concentrations of these substances in ambient air. Criteria pollutants include carbon monoxide (CO), oxides of nitrogen (NOx), sulfur dioxide (SOx), and particulate matter (PM10 and PM2.5). Note that ozone is another criteria pollutant; however, in terms of defining significance thresholds, ozone is represented as a threshold by its precursor components, oxides of nitrogen (NOx) and reactive organic gases.

Construction

Construction activities associated with the proposed Project would generate pollutant emissions from the following: (1) demolition of the existing structures and removal of the existing infrastructure and pavement, (2) grading, (3) site preparation, (4) building construction, (5) paving, and (6) architectural coating. The quantity of emissions generated on a daily basis would vary, depending on the intensity and types of construction activities occurring. Construction activities would generate emissions from the demolition of the existing buildings onsite totaling 77,696 SF, and onsite infrastructure. In addition, the Project would generate construction worker vehicle trips to and from the Project site during the estimated 15 months of construction. The construction emissions analysis assumes the use of Tier 2 construction equipment and that the proposed Project would comply with SCAQMD Rule 403 measures, described below.

It is mandatory for all construction projects to comply with several SCAQMD Rules, including Rule 403 for controlling fugitive dust, PM10, and PM2.5 emissions from construction activities. Rule 403 requirements include, but are not limited to, applying water in sufficient quantities to prevent the generation of visible dust plumes, applying soil binders to uncovered areas, reestablishing ground cover as quickly as possible, utilizing a wheel washing system to remove bulk material from tires and vehicle undercarriages before vehicles exit the proposed Project site, covering all trucks hauling soil with a fabric cover and maintaining a freeboard height of 12-inches, and maintaining effective cover over exposed areas. Compliance with Rule 403 is included as RR AQ-1.

In addition, implementation of SCAQMD Rule 1113, which governs the volatile organic compound (VOC) content in architectural coating, paint, thinners, and solvents is included as RR AQ-2. As shown in Table AQ-2, CalEEMod results indicate that construction emissions generated by demolition of onsite structure and construction of the Project would not exceed SCAQMD regional thresholds. Therefore, construction activities would result in a less than significant impact.

Table AQ-2: Project Construction Emissions

Construction Activity	Maximum Daily Regional Emissions (pounds/day)					
	VOC	**NOx**	**CO**	**SOx**	**PM_{10}**	**$PM_{2.5}$**
Demolition	1.4	36.8	26.4	0.1	5.2	1.7
Site Preparation	1.3	33.8	23.6	<0.1	10.0	5.5
Grading	2.1	50.3	35.7	0.1	5.7	3.1
Building Construction	1.7	26.1	24.4	0.1	3.0	1.5
Paving	1.3	15.6	16.5	<0.1	0.8	0.6
Architectural Coating	15.6	2.4	2.9	<0.1	0.4	0.2
Maximum Emissions (lbs/day)	**17.3**	**50.3**	**35.7**	**0.1**	**10.0**	**5.5**
SCAQMD Significance Thresholds	75	100	550	150	150	55
Emissions Exceed Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compounds, NOx = oxides of nitrogen, PM_{10} = particulate matter 10 microns or less in diameter, $PM_{2.5}$ = particulate matter 2.5 microns or less in diameter, CO = carbon monoxide, SOx = sulfur oxides
Source: Air Quality, Health Risk, Greenhouse Gas and Energy Analysis (Appendix A)

As such, potential pollutant emissions from construction of the proposed Project would not exceed SCAQMD emissions thresholds. Additionally, the Project complies with TOP 2050 SEIR Mitigation Measures 3-1 and AQ-1 which requires preparation of an air quality assessment prepared in conformance with the South Coast AQMD (see Appendix A). Therefore, the proposed project would not lead to new or substantially more severe significant impacts associated with construction-related air quality beyond those identified in TOP 2050 SEIR.

Operation

Implementation of the proposed warehouse uses would result in long-term regional emissions of criteria air pollutants and ozone precursors associated with area sources, such as natural gas consumption, landscaping, applications of architectural coatings, and consumer products. However, operational vehicular emissions would generate a majority of the emissions generated from the Project.

Conservatively, operational emissions associated with the existing 77,696 SF of RV and boat storage uses were modeled using CalEEMod and were compared to those of the proposed Project as presented in Table AQ-3.

Table AQ-3: Existing Use and Proposed Project Operational Emission

Emission Type	Pollutant Emissions (lbs/day)					
	VOC	**NOx**	**CO**	**SOx**	**PM_{10}**	**$PM_{2.5}$**
Existing Use Operational Emissions						
Area Sources	1.3	<0.1	<0.1	0.0	0.0	0.0
Energy Sources	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mobile Sources	<0.1	0.1	0.5	<0.1	0.1	<0.1
Total Existing Emissions	**1.3**	**0.1**	**0.5**	**<0.1**	**0.1**	**<0.1**
Proposed Project Operational Emissions						
Area Sources	5.4	<0.1	<0.1	0.0	<0.1	<0.1
Energy Sources	0.1	0.5	0.4	<0.1	<0.1	<0.1
Mobile Sources	2.1	11.9	22.2	0.1	5.4	1.5
Total Project Emissions	**7.6**	**12.4**	**22.6**	**0.1**	**5.4**	**1.5**
Net Operational Emissions	**6.3**	**12.3**	**22.1**	**0.1**	**5.3**	**1.5**
SCAQMD Thresholds	*55*	*55*	*550*	150	150	*55*
Significant?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Air Quality, Health Risk, Greenhouse Gas and Energy Analysis (Appendix A)

As shown in Table AQ-3, the emission associated operation of the proposed Project would not exceed the significance criteria for VOC, NOx, CO, SOx, PM_{10}, or $PM_{2.5}$ and thus would not have a significant impact on regional air quality. Therefore, the Project's operational emissions would not exceed the NAAQS nor the CAAQS and would not result in a cumulatively considerable net increase of any criteria pollutant impacts, and impacts would be less than significant. Additionally, the proposed Project would also be required to comply with TOP 2050 SEIR Mitigation Measures 3-2 and AQ-1, which would further reduce operational emissions generated by the proposed Project. Therefore, the emissions generated by the proposed Project would be similar to those identified by TOP 2050 SEIR and impacts would remain less than significant. Therefore, the proposed project would not lead to new or more severe operational air quality impacts beyond those identified in TOP 2050 SEIR.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

c) Expose sensitive receptors to substantial pollutant concentrations?

No New Impact. TOP 2050 SEIR determined operation of industrial and warehousing land uses accommodated under TOP 2050 could expose sensitive receptors to substantial toxic air contaminant concentrations and impacts would be significant and unavoidable.

The SCAQMD recommends the evaluation of localized NOx, CO, PM_{10}, and $PM_{2.5}$ construction-related impacts to sensitive receptors in the immediate vicinity of the project site. Such an evaluation is referred to as a localized significance threshold (LST) analysis. The impacts were analyzed pursuant to the SCAQMD's Final Localized Significance Threshold Methodology. According to the LST Methodology, "off-site mobile emissions from the project should not be included in the emissions compared to the LSTs" (SCAQMD 2008). SCAQMD has developed LSTs that represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standards, and thus would not cause or contribute to localized air quality impacts. LSTs are developed based on the ambient concentrations of NOx, CO, PM_{10}, and $PM_{2.5}$ pollutants for each of the 38 source receptor areas (SRAs) in the SCAB. The Project site is located in SRA 4. Sensitive receptors can include uses such as long-term health care facilities, rehabilitation centers, and retirement homes. Residences, schools, playgrounds, childcare centers, and athletic facilities can also be considered sensitive receptors. Commercial and industrial facilities are not included in the definition of a sensitive receptor because employees do not typically remain onsite for a full 24 hours, but are present for shorter periods, such as up to eight hours. However, a worker receptor may be exposed to air pollutants for up to eight hours. The nearest LST sensitive receptors to the Project site are the existing residences that are 179 feet to the south of the site. The closest worker receptors are located at the industrial buildings surrounding the Project site.

The localized thresholds for development projects were derived using the SCAQMD Fact Sheet for Applying CalEEMod to Localized Significance Threshold [9] and Appendix C of the SCAQMD 2008 Final Localized Significance Threshold Methodology (SRA 4), as presented in Table AQ-4. The thresholds from SCAQMD are for one-, two-, or five-acre sites, and distances of sensitive receptors for 25 to 500 meters. The closest sensitive receptor to the Project site is a single-family residence located approximately 179 feet south of the Project site. Further single-family residences are located approximately 540 feet south of the Project site. Project construction and operation emissions were compared to the LST screening tables in SRA 4, based on a 25-meter source-receptor distance and a disturbed acreage of 3.5 acres for construction (LSA 2022).

Table AQ-4: Localized Significance Thresholds

Air Pollutant	Maximum Daily Emissions (pounds/day)	Maximum Daily Emissions (pounds/day)
	Construction	***Operation***
NOx	258.0	258.0
CO	2,605.0	2,605.0
PM_{10}	37.0	9.1
$PM_{2.5}$	11.0	2.7

Source: SCAQMD 2008: Final Localized Significance Threshold Methodology

Construction

Localized Significance Analysis. Construction of the Project may expose nearby residential sensitive receptors to airborne particulates as well as a small quantity of construction equipment pollutants (i.e., usually diesel-fueled vehicles and equipment). The localized thresholds from the mass rate look-up tables in SCAQMD's Final Localized Significance Threshold Methodology document were developed for use on projects that are less than or equal to 5-acres in size or have a disturbance of less than or equal to 5 acres daily and were used to evaluate LSTs.

Table AQ-5 provides the construction LSTs for this Project. As shown in Table AQ-5, with implementation of SCAQMD Rules 403 and 1113 (included as RR AQ-2 and RR AQ-3), the maximum daily construction emissions from the proposed Project would not exceed the applicable SCAQMD LST thresholds. Therefore, the proposed project would not lead to new or more severe LST impacts beyond those identified in TOP 2050 SEIR.

[9] SCAQMD Fact Sheet for Applying CalEEMod to Localized Significance Thresholds. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf?sfvrsn=2od-guidance.pdf (aqmd.gov)

Table AQ-5: Localized Construction Emission Estimates (lbs/day)

Source	NO_x	CO	PM_{10}	$PM_{2.5}$
On-Site Project Emissions	50.3	34.9	9.8	5.5
Localized Significance Threshold	258.0	2,065.0	37.0	11.0
Threshold Exceeded?	**No**	**No**	**No**	**No**

Source: Air Quality, Health Risk, Greenhouse Gas and Energy Analysis (Appendix A)

Operation

Localized Significance Analysis. Project operation emissions were compared to the LST screening tables in SRA 4, based on a 25-meter source-receptor distance and a disturbed acreage of 5.0 acres for operation. As shown on Table AQ-6, the Project's localized emissions are less than the SCAQMD localized operational significance thresholds. Therefore, the proposed Project would result in a less than significant impact related to localized emissions from operational activities.

Table AQ-6: Localized Operational Emission Estimates (lbs/day)

Source	NO_x	CO	PM_{10}	$PM_{2.5}$
On-Site Project Emissions	<1.0	1.1	<1.0	<1.0
Localized Significance Threshold	258.0	2,065.0	9.1	2.7
Threshold Exceeded?	**No**	**No**	**No**	**No**

Source: Air Quality, Health Risk, Greenhouse Gas and Energy Analysis (Appendix A)

CO Hotspots. Areas of vehicle congestion have the potential to create pockets of CO called hotspots. These pockets have the potential to exceed the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm. Because CO is produced in greatest quantities from vehicle combustion and does not readily disperse into the atmosphere, adherence to ambient air quality standards is typically demonstrated through an analysis of localized CO concentrations. Hotspots are typically produced at intersections, where traffic congestion is highest because vehicles queue for longer periods and are subject to reduced speeds.

With the turnover of older vehicles and introduction of cleaner fuels, electric vehicles, and vehicles with stop-start systems (where the engine shuts down when the vehicle is stopped and restarts when the break pedal is released), as well as implementation of control technology on industrial facilities, CO concentrations in the South Coast Air Basin and the state have steadily declined.

The analysis of CO hotspots compares the volume of traffic that has the potential to generate a CO hotspot (exceedance the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm) and the volume of traffic with implementation of the Project. In 2003, the SCAQMD estimated that a project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to exceed state standards and generate a CO hot spot.

As detailed in Section 5.17, *Transportation*, shown on Table T-1, the proposed Project would generate 65 vehicle trips during the AM peak hour. During the PM peak hour, the Project would generate 66 vehicle trips. Over a 24-hour period, the Project is forecast to generate approximately 554 daily trips. Thus, the Project would not result in an increase in traffic volumes at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix and would not generate a CO hotspot. Therefore, impacts related to CO hotspots from operation of the proposed Project would be less than significant.

Construction Health Risk Assessment. A Construction Health Risk Assessment (HRA), included as Appendix A, was prepared to evaluate the health risk impacts as a result of exposure to diesel particulate matter (DPM) as a result of heavy-duty diesel trucks entering and leaving the site during operation of the proposed

warehouses. DPM has been identified by the California Air Resources Board (ARB) as a carcinogenic substance responsible for nearly 70 percent of the airborne cancer risk in California. The estimated health risk impacts were compared to the health risk significance thresholds recommended by the SCAQMD for use in CEQA assessments. The City of Ontario has not adopted a numerical significance threshold for cancer risk or non-cancer hazards. Therefore, the significance thresholds recommended by the SCAQMD were adopted for this analysis. The relevant significance thresholds are provided below:

- Cancer Risk: ten persons per million population as the maximum acceptable incremental cancer risk due to exposure to toxic air contaminants (TAC)
- Non-cancer Hazard Index: 1.0

Table AQ-7 provides a summary of the HRA modeling of cancer risks and chronic non-cancer hazards resulting from the Project's construction DPM emissions along with the SCAQMD health risk significance. As shown in Table AQ-7, the maximum cancer risk for the maximally exposed sensitive receptor would be 18.20 in one million, which would exceed the SCAQMD cancer risk threshold of 10 in one million. The worker receptor risk would be lower at 0.97 in one million, which would not exceed the 10 in one million threshold. The total chronic hazard index would be 0.046 for the maximally exposed worker receptor and 0.015 for the maximally exposed sensitive receptor, which would both be below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0.

Table AQ-7: Unmitigated Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	0.97	0.046	0.000
Sensitive Receptor Risk	18.20	0.015	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**Yes**	**No**	**No**

Source: Air Quality, Health Risk, Greenhouse Gas and Energy Analysis (Appendix A)

As indicated above, the cancer risk of 18.2 in one million would exceed SCAQMD thresholds. Therefore, consistent with TOP 2050 SEIR, implementation of TOP 2050 SEIR Mitigation Measures 3-1 and AQ-1 would be required to reduce health risks from Project construction. As required by TOP 2050 SEIR Mitigation Measures 3-1 and AQ-1, a Project-specific Air Quality Assessment conducted by LSA (Appendix A) was conducted and the recommendations of the Project-specific Air Quality Assessment are incorporated to require a note on the plans that states that the Project contractor is required to ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for Project construction, at a minimum meets, the California Air Resources Board Tier 2 emissions standards equipped with Level 3 diesel particulate filters or the equivalent. Table AQ-8 identifies the results of the analysis with implementation of this Project-specific recommendation.

Table AQ-8: Mitigated Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	0.16	0.008	0.000
Sensitive Receptor Risk	3.08	0.003	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: Air Quality, Health Risk, Greenhouse Gas and Energy Analysis (Appendix A)

As shown in Table AQ-8, with implementation of the Project-specific recommendation, the cancer risk at the maximally exposed sensitive receptor would be 3.08 in one million, which would not exceed the SCAQMD

cancer risk of 10 in one million. Therefore, with implementation of TOP 2050 SEIR Mitigation Measures 3-1 and AQ-1, construction of the proposed Project would not exceed SCAQMD thresholds and would not expose nearby sensitive receptors to substantial pollutant concentrations.

Operational Health Risk Assessment: An Operational HRA (included in Appendix A) was conducted to determine the potential health risk to people living and working near the proposed Project associated with the exhaust of diesel-powered trucks and equipment. Table AQ-9 shows the carcinogenic and chronic health risks associated with operation of the proposed Project.

Table AQ-9: Health Risks from Project Operation to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	0.30	0.001	0.000
Sensitive Receptor Risk	1.94	0.001	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: Air Quality, Health Risk, Greenhouse Gas and Energy Analysis (Appendix A)

As shown in Table AQ-9, the maximum cancer risk for the maximally exposed sensitive receptor would be 1.94 in one million, which is well below the threshold of 10 in one million. The worker receptor risk would be lower at 0.30 in one million, which would also be below the threshold of 10 in one million. The total chronic hazard index would be 0.001 for both the maximally exposed sensitive and worker receptor, which is below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0. As such, all health risk levels to nearby residents from operation-related emissions of TACs would be well below the SCAQMD's HRA thresholds and no significant health risk would occur from Project operation emissions.

No new or substantially greater impacts would occur with implementation of the proposed Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR found that impacts associated with odors from industrial, residential, and other land uses would be less than significant. Additionally, odors from construction activities were found to be less than significant.

Standard construction requirements would minimize odor impacts from construction, such as odors associated with diesel-powered equipment, materials from demolition activities and asphalt during paving. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the City's solid waste regulations. Additionally, the Project would be required to implement California Air Resources Board (CARB) Rule 2485 regulations that limit idling to 5 minutes (13 CCR, Chapter 10 Section 2485), which would reduce odors from the smell of truck exhaust. The Project would also be required to comply with SCAQMD Rule 402 (RR AQ-1), which prohibits any persons from discharging air contaminants or other materials that may cause injury, detriment, nuisance, or annoyance to the public, to prevent occurrences of public nuisances associated with odors. Therefore, odor impacts associated with the Project's

construction and operations would not be significant compared to what was previously analyzed and determined in TOP 2050 SEIR.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding air quality. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project is undertaken that require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

RR AQ-1: SCAQMD Rule 402. The construction plans and specifications shall state that the project is required to comply with the provisions of South Coast Air Quality Management District (SCAQMD) Rule 402. The project shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

RR AQ-2: SCAQMD Rule 403. The following measures shall be incorporated into construction plans and specifications as implementation of SCAQMD Rule 403:

- All clearing, grading, earth-moving, or excavation activities shall cease when winds exceed 25 mph per SCAQMD guidelines in order to limit fugitive dust emissions.
- The contractor shall ensure that all disturbed unpaved roads and disturbed areas within the Project are watered at least three (3) times daily during dry weather. Watering, with complete coverage of disturbed areas, shall occur at least three times a day, preferably in the mid-morning, afternoon, and after work is done for the day.
- The contractor shall ensure that traffic speeds on unpaved roads and Project site areas are reduced to 15 miles per hour or less.

RR AQ-3: SCAQMD Rule 1113. The following measure shall be incorporated into construction plans and specifications as implementation of SCAQMD Rule 1113. The Project shall only use "Low-Volatile Organic Compounds (VOC)" paints (no more than 50 gram/liter of VOC) consistent with SCAQMD Rule 1113.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe air quality impacts would result from the proposed Project; therefore, no new or revised mitigation measures are required for air quality.

TOP 2050 SEIR Mitigation Measures Applicable to the Project

Mitigation Measure 3-1: Prior to discretionary approval by the City of Ontario for development projects subject to CEQA (California Environmental Quality Act) review (i.e., nonexempt projects), project applicants shall prepare and submit a technical assessment evaluating potential project construction-related air quality impacts to the City of Ontario Planning Department for review and approval. The evaluation shall be prepared in conformance with South Coast Air Quality Management District (South Coast AQMD) methodology for assessing air quality impacts. If construction-related criteria air pollutants are determined to have the potential to exceed the South Coast AQMD–adopted thresholds of significance, City of Ontario Building Department shall require feasible mitigation measures to reduce air quality emissions. Potential measures shall be incorporated as conditions of approval for a project and may include:

- Require fugitive dust control measures that exceed South Coast Air Quality Management District's Rule 403, such as:
  - Requiring use of nontoxic soil stabilizers to reduce wind erosion.
  - Applying water every four hours to active soil disturbing activities.
  - Tarping and/or maintaining a minimum of 24 inches of freeboard on trucks hauling dirt, sand, soil, or other loose materials.
- Using construction equipment rated by the United States Environmental Protection Agency as having Tier 4 interim or higher exhaust emission limits.
- Ensuring construction equipment is properly serviced and maintained to the manufacturer's standards.
- Limiting nonessential idling of construction equipment to no more than five consecutive minutes.
- Using Super-Compliant VOC paints for coating of architectural surfaces whenever possible. A list of Super-Compliant architectural coating manufactures can be found on the South Coast Air Quality Management District's website at: http://www.aqmd.gov/prdas/brochures/Super-Compliant_AIM.pdf.

These identified measures shall be incorporated into all appropriate construction documents (e.g., construction management plans) submitted to the City and shall be verified by the City's Planning Department.

Status: Satisfied through Air Quality, Health Risk, Greenhouse Gas and Energy Analysis prepared by prepared by LSA, November 2022. In compliance with the requirements of TOP 2050 SEIR Mitigation Measure 3-1, the Project shall comply with the recommendation in the Air Quality, Health Risk, Greenhouse Gas and Energy Analysis and shall place a note on the plans requiring the Project contractor to ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for Project construction, at a minimum, meets the California Air Resources Board Tier 2 emissions standards equipped with Level 3 diesel particulate filters or the equivalent.

Mitigation Measure AQ 1: Prior to discretionary approval by the City of Ontario for development projects subject to CEQA (California Environmental Quality Act) review (i.e., nonexempt projects), project applicants shall prepare and submit a technical assessment evaluating potential project operation-phase-related air quality impacts to the City of Ontario Planning Department for review and approval. The evaluation shall be prepared in conformance with South Coast Air Quality Management District (South Coast AQMD) methodology in assessing air quality impacts. If operation-related air pollutants are determined to have the potential to exceed the South Coast AQMD–adopted thresholds of significance, the City of Ontario Planning Department shall require that applicants for new development projects incorporate mitigation measures to reduce air pollutant emissions during operational activities. The identified measures shall be included as part

of the conditions of approval. Possible mitigation measures to reduce long-term emissions could include, but are not limited to the following:

- For site-specific development that requires refrigerated vehicles, the construction documents shall demonstrate an adequate number of electrical service connections at loading docks for plug-in of the anticipated number of refrigerated trailers to reduce idling time and emissions.
- Applicants for manufacturing and light industrial uses shall consider energy storage and combined heat and power in appropriate applications to optimize renewable energy generation systems and avoid peak energy use.
- Site-specific developments with truck delivery and loading areas and truck parking spaces shall include signage as a reminder to limit idling of vehicles while parked for loading/unloading in accordance with California Air Resources Board Rule 2845 (13 CCR Chapter 10 sec. 2485).
- Provide changing/shower facilities as specified in Section A5.106.4.3 of CALGreen (Nonresidential Voluntary Measures).
- Provide bicycle parking facilities per Section A4.106.9 of CALGreen (Residential Voluntary Measures).
- Provide preferential parking spaces for low-emitting, fuel-efficient, and carpool/van vehicles per Section A5.106.5.1 of CALGreen (Nonresidential Voluntary Measures).
- Provide facilities to support electric charging stations per Section A5.106.5.3 and Section A5.106.8.2 of CALGreen (Nonresidential Voluntary Measures; Residential Voluntary Measures).
- Applicant-provided appliances shall be Energy Star–certified appliances or appliances of equivalent energy efficiency (e.g., dishwashers, refrigerators, clothes washers, and dryers). Installation of Energy Star–certified or equivalent appliances shall be verified by the City during plan check

Status: Satisfied through Air Quality, Health Risk, Greenhouse Gas and Energy Analysis prepared by prepared by LSA, November 2022. In compliance with the requirements of TOP 2050 SEIR Mitigation Measure 3-1, the Project shall comply with the recommendation in the Air Quality, Health Risk, Greenhouse Gas and Energy Analysis and shall place a note on the plans requiring the Project contractor to ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for Project construction, at a minimum, meets the California Air Resources Board Tier 2 emissions standards equipped with Level 3 diesel particulate filters or the equivalent.

5.4 BIOLOGICAL RESOURCES	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☐	☐	☒
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?	☐	☐	☐	☐	☒
c) Have a substantial adverse effect on federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☐	☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	☐	☒
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☐	☒
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☐	☒

This section is based on the General Biological Assessment prepared by Hernandez Environmental Services in July 2022 (HES 2022) and included as Appendix B.

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts from buildout of the project area related to biological resources in Section 5.4. TOP 2050 SEIR concluded that implementation of TOP 2050 could result in in habitat modification and removal, which could result in the introduction of nonnative species of weeds, insects, and domestic animals that could adversely impact sensitive species. Furthermore, buildout of the TOP 2050 could develop vacant land, which may affect sensitive species. However, regulatory requirements and standard conditions of approval would be required upon implementation of subsequent projects, which would reduce potential impacts of the project on biological resources to less than significant. Further, TOP 2050 includes policies to ensure that special-status species and habitat are protected through compliance with state and federal regulations (e.g., Policies ER-5.1 and ER-5.2).

Implementation of TOP 2050 would not result in direct vegetation removal in surface water areas in the City; however, projects approved pursuant to TOP 2050 could indirectly result in such removal. Projects that would result in impacts to surface water areas determined to be jurisdictional to the state would require CDFW approval pursuant to the Fish and Game Code (Section 1600 et. seq.) in the form of Streambed Alteration Agreements. Overall, TOP 2050 SEIR found that TOP 2050 would not have substantial adverse impacts to surface water areas, or to riparian or aquatic vegetation in surface water areas or flood control channels.

TOP 2050 SEIR found that the TOP 2050 would not have substantial adverse impacts on jurisdictional waters because projects that have the potential to result in impact to waters of the State would be subject to approval by California Department of Fish and Wildlife (CDFW) and United States Army Corps of Engineers (USACE), require a Section 404 permit under the Clean Water Act (CWA) or consultation with the EPA for a Section 7 take permit, and mitigation would be required in accordance with the applicable permits.

TOP 2050 SEIR found that no regional wildlife movement corridors have been identified in the City. Therefore, TOP 2050 would not result in substantial adverse effects to wildlife movement.

TOP 2050 SEIR found that TOP 2050 would not conflict with the requirements of the Delhi Sands Flower-Loving Fly (DSFLF) Ontario Recovery Unit, which includes 21.7 square miles of Ontario, mostly in the eastern and southwestern portions of the City or the habitat conservation plan (HCP) which includes a 19-acre area near the intersection of Greystone Drive and the eastern city boundary established to protect the DSFLF. Any project proposed for development within this HCP pursuant to TOP 2050 would be required to consult with the USFWS regarding project impacts on DSFLF and mitigation of any such impacts. TOP 2050 SEIR determined that the project would comply with this HCP and impacts would be less than significant.

TOP 2050 SEIR Mitigation Measures:

None.

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that TOP 2050 could result in in habitat modification and removal, which could result in the introduction of nonnative species of weeds, insects, and domestic animals that could adversely impact sensitive species. Furthermore, buildout of the project could develop vacant land, which may affect sensitive species. However, regulatory requirements and standard conditions of approval would be required upon implementation of subsequent projects, which would reduce potential impacts of TOP 2050 on biological resources to less than significant.

A General Biological Assessment (GBA) was prepared for the proposed Project, which included a field survey conducted on May 20, 2022. The GBA describes that the Project site consists of developed and disturbed land with large warehouses and shade structures that are used for RV and boat storage on the northern portion of the site and a disturbed dirt lot covered in gravel that is used for storage of large metal materials on the southern portion of the site.

A records search of a five-mile radius around the Project site was used to identify sensitive species with the California Natural Diversity Data Base (CNDDB), the U.S. Fish and Wildlife Service (USFWS) Endangered Species Lists, and the California Native Plant Society (CNPS) rare plant lists to obtain species information

for the Project area. According to the CNDDB, a total of 54 sensitive species of plants and 66 sensitive species of animals have the potential to occur on or within the vicinity of the Project site.
Of the 53 sensitive plant species, a total of 14 plant species are listed as state and/or federal Threatened, Endangered, or Candidate species. The field survey did not identify suitable habitat for any of the plant species present on the Project site. Therefore, implementation of the Project would have a less than significant impact on sensitive plant species.

Of the 66 sensitive species of animals identified, 16 are listed as state and/or federal Threatened, Endangered, or Candidate. The field survey did not identify suitable habitat for any of the animal species present on the Project site.

The Project site contains shrubs and trees that could be utilized by nesting birds and raptors during the nesting bird season of February 1 through September 15. Therefore, the proposed Project has the potential to impact active bird nests if vegetation is removed during the nesting season. Nesting birds are protected under the federal Migratory Bird Treaty Act (MBTA) (United States Code Title 33, Section 703 et seq.; see also Code of Federal Regulations Title 50, Part 10) and Section 3503 of the California Fish and Game Code. Compliance with these existing regulations, included as RR BIO-1, would ensure potential impacts related to nesting avian species and native wildlife nursery sites to a less than significant level.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR found that the project would not have substantial adverse impacts on jurisdictional waters because projects that have the potential to result in impact to waters of the State would be subject to approval by California Department of Fish and Wildlife (CDFW) and United States Army Corps of Engineers (USACE), require a Section 404 permit under the Clean Water Act (CWA) or consultation with the EPA for a Section 7 take permit, and mitigation would be required in accordance with the applicable permits.

As described above, the Project site is developed, completely disturbed and contains ornamental landscaping and trees. No riparian habitat or sensitive natural communities exist on the site (HES 2022). Therefore, no significant impacts related to riparian habitat or other sensitive natural communities identified in local or regional plans would result from proposed Project implementation, and no mitigation is required.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR found that TOP 2050 would not have substantial adverse impacts on jurisdictional waters because projects that have the potential to result in impact to waters of the State would be subject to approval by California Department of Fish and Wildlife (CDFW) and United States Army

Corps of Engineers (USACE), require a Section 404 permit under the Clean Water Act (CWA) or consultation with the EPA for a Section 7 take permit, and mitigation would be required in accordance with the applicable permits.

As described previously, the Project site is completely disturbed and developed with urban uses. No natural hydrologic features or federally protected wetlands as defined by Section 404 of the Clean Water Act occur onsite, and the Project site does not meet the Army Corps of Engineers criteria for wetlands and waters of the U.S. (HES 2022). Therefore, no direct removal, filling, or hydrological interruption of a wetland area would occur with development of the Project site.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR found that no regional wildlife movement corridors have been identified in the City. Therefore, TOP 2050 would not result in substantial adverse effects to wildlife movement.

The Project site does not contain wildlife habitat and is located within a developed urban area. The Project area is developed and surrounded by urban developed land uses, including roadways. Therefore, no impacts to wildlife corridors would occur.

There is existing ornamental landscaping and trees on the site that have the potential to provide habitat for nesting migratory birds. Therefore, there is a potential for the proposed Project to impact related to nesting birds, however, adherence to RR BIO-1 would mitigate potential impacts to a less than significant level.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

e) Conflict with any local policies or ordinances protecting biological resources?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that TOP 2050 would not conflict with local policies or ordinances protecting biological resources.

The proposed Project would not conflict with any local policies or ordinances protecting biological resources. As discussed previously, the Project site contains ornamental shrubs and trees. The preservation, removal, and planting of parkway trees in the City is addressed in Article 10, Chapter 2, *Parkway Tree Regulations*, of the Ontario Municipal Code. The City defines Parkways as "that portion any public street right-of-way between the right-of-way boundary line and the curb line, and also the area enclosed within the curblines of a median divider." The removal or relocation of any parkway trees must receive prior authorization from the Public Works Agency of the City through a permitting process. Planting of a replacement parkway tree that is in accordance with the criteria outlined in Section 10-2.07 of the City's Municipal code shall be a condition included in any removal permit issued by the City whenever feasible. If it is not feasible to plant a replacement parkway tree, the Public Facilities Manger establishes a fair value for the cash in lieu deposit to be accepted by the City as an alternate. The routine maintenance, such as watering and trimming, of any parkway trees abutting a property is the responsibility of the abutting property owner. Should the proposed

Project result in the removal or planting of trees, it would be required to comply with Municipal Code Article 10, Chapter 2 (RR BIO-2). As a result, impacts would be less than significant.
No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that TOP 2050 would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Plan, or other approved local, regional, or state habitat conservation plan.

The Project site is not located within a within any established Habitat Conservation Plan, Natural Community Conservation Plan, or other approved type of habitat conservation plan. Therefore, the Project would not be anticipated to conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan. No impact would occur.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding biological resources. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

RR BIO-1: Migratory Bird Treaty Act. The Project shall comply with the Migratory Bird Treaty Act (MBTA) (United States Code Title 33, Section 703 et seq.; see also Code of Federal Regulations Title 50, Part 10) and Section 3503 of the California Fish and Game Code during the avian nesting and breeding season that occurs between February 1 and September 15. The provisions of the MBTA prohibits disturbing or destroying active nests.

RR BIO-2: Parkway Trees. Removal and or installation of parkway trees shall occur in compliance with the City of Ontario Municipal Code Article 10, Chapter 2, Parkway Tree Regulations.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe biological resources impacts would result from implementation of the proposed Project; therefore, no new or revised mitigation measures are required for biological resources.

5.5 CULTURAL AND PALEONTOLOGICAL RESOURCES	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	☐	☐	☐	☐	☒
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☐	☐	☐	☒
c) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☐	☐	☒

The discussion below is based on the Cultural Resources Study for the 627 Bon View Project, prepared by Brian F. Smith and Associates, Inc. in August 2022 (BFSA 2022a) and included as Appendix C and the Historical Resources Assessment, prepared by Urbana Preservation & Planning in September 2022 (Urbana 2022) and included as Appendix D.

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to archaeological and historical resources in Section 5.5. The Ontario The Development Code establishes criteria for Tier I, Tier II or Tier III properties, with Tier I and II being of the highest value. Tier I consists of properties that should not be demolished or significantly altered under any circumstances, regardless of their designation status. Tier II consists of properties where demolition of these properties should be avoided. Tier III consists of all properties that are Designated Historic Landmarks, are contributing structures in Designated Historic Districts, or are Eligible Historical Resources, as defined by the Development Code. TOP 2050 SEIR found that implementation of TOP 2050 land use plan could threaten historic resources classified as Tier III, especially within growth focus areas, and impacts would remain significant and unavoidable after mitigation.

TOP 2050 SEIR found that buildout of TOP 2050 could impact archeological resources or paleontological resources. However, TOP 2050 SEIR identified that existing federal, state, and local regulations in addition to Mitigation Measure 5-2 would reduce impacts to archeological resources to less than significant.

TOP 2050 SEIR found that grading activities in Ontario would comply with PRC Section 5079.98 so as not to disturb human remains.

TOP 2050 SEIR Mitigation Measures:

Mitigation Measures 5-1: Historic or potentially historic resources in the City shall be evaluated for historic significance through the City's tier system prior to the issuance of plan or development approvals Pursuant to City's Development Code (Chapter 4, Permits, Actions, and Decisions, and Chapter 7, Historic Preservation), mitigation measures for all Tier III Historic Resources shall include the following:

a) Each historic resource shall be fully documented and cataloged pursuant to Historic American Building Survey/Historic American Engineering Record (HABS/HAER) standards, to provide a record

of the resource, including, but not limited to: [i] the preparation of site plans, floor plans, exterior and interior elevations, and detail drawings of character defining features (such as moldings, stairs, etc.); and [ii] photographs of the resource, including the exterior, interior, and interior and exterior character defining features (such as moldings, light fixtures, trim patterns, etc.).

b) A mitigation fee established pursuant to Section 7.01.030 (Historic Preservation Mitigation Fee) shall be paid to the City prior to the issuance of a demolition permit for Tier III historic resources. Fees for Tier I and II historic resources shall be determined during the Environmental Impact Report process. The fees established for Tier III will be used as a reference point for establishing fees for Tier I and II historic resources.

c) A Certificate of Appropriateness shall not be issued for the demolition of an historic resource, either in whole or in part, until such time that a demolition permit application and a replacement structure has been approved by the City, and appropriate permits have been issued for its construction, unless: [i] a waiver is granted pursuant to Subsection H (Replacement Structure Waiver for Historic Resources Located within Industrial Zoning Districts) of Section 4.02.050; [ii] a deferral of the replacement structure requirement is granted pursuant to Subsection G (Replacement Structure Deferral) of Section 4.02.050; or [iii] demolition is required pursuant to Section 7.01.050 (Unsafe or Dangerous Conditions) of this Development Code.

d) In an effort to preserve features and artifacts from historic resources, a determination whether items within or on the resource should be salvaged must be made by the Planning Department and may include the local historical society prior to the issuance of the demolition permit. The applicant shall be responsible for the removal, relocation, storage, and donation of such items selected for salvaging. The applicant shall provide an inventory of salvaged items to the Planning Department, and shall include a list of each item name, description, and dimension (as necessary), and the location of each item on a floor plan.

Mitigation Measure 5-2: In areas of documented or inferred from evident archaeological and/or paleontological resource presence, City staff shall require applicants for development permits to provide studies to document the presence/absence of such resources. On properties where resources are identified, such studies shall provide a detailed mitigation plan, including a monitoring program and recovery and/or in situ preservation plan, based on the recommendations of a qualified cultural preservation expert. The mitigation plan shall include the following requirements:

a) Archaeologists and/or paleontologist shall be retained for the project and will be on call during grading and other significant ground-disturbing activities.

b) Should any cultural resources be discovered, no further grading shall occur in the area of the discovery until the Planning Director or designee is satisfied that adequate provisions are in place to protect these resources.

c) Unanticipated discoveries shall be evaluated for significance by a San Bernardino County Certified Professional Archaeologist/Paleontologist. If significance criteria are met, then the project shall be required to perform data recovery, professional identification, radiocarbon dates, and other special studies; submit materials to a museum for permanent curation; and provide a comprehensive final report including a catalog with museum numbers.

Impacts Associated with the Proposed Project

a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?

No New Impact. TOP 2050 SEIR found that implementation of TOP 2050 land use plan could threaten historic resources classified as Tier III, especially within growth focus areas, and impacts would remain significant and unavoidable after mitigation.

According to the *State CEQA Guidelines*, a historical resource is defined as something that meets one or more of the following criteria: (1) listed in, or determined eligible for listing in, the California Register of Historical Resources; (2) listed in a local register of historical resources as defined in Public Resources Code (PRC) Section 5020.1(k); (3) identified as significant in a historical resources survey meeting the requirements of PRC Section 5024.1(g); or (4) determined to be a historical resource by the Project's Lead Agency. Implementation of the proposed Project would not cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5 of the State CEQA Guidelines, as there are no eligible historical resources on the Project site.

The California Register of Historical Resources defines a "historical resource" as a resource that meets one or more of the following criteria: (1) associated with events that have made a significant contribution to the broad patterns or local or regional history of the cultural heritage of California or the United States; (2) associated with the lives of persons important to local, California, or national history; (3) embodies the distinctive characteristics of a type, period, region, or method of construction or represents the work of a master or possesses high artistic values; or (4) has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

As part of the Cultural Resources Study, Brian F. Smith and Associates, Inc. (BFSA) requested a records search of a one-mile radius surrounding the Project site from the South Central Coastal Information Center (SCCIC) at California State University, Fullerton (CSU Fullerton) and the Natural History Museum of Los Angeles County (LACM) (Appendix C). The cultural resources records search, which was completed at the SCCIC on May 18, 2022, identified 17 previous studies within one mile of the Project site. Of the 17 previous studies identified, none of them included the Project site. Additionally, the records search identified 19 historic resources recorded within one mile of the Project site, four of which are within the Project site boundaries.

The Cultural Resources Study identified five structures on the Project site, four of which are historic-period structures associated with the Bestile Manufacturing Company. A Historical Resources Assessment (HRA) (Appendix D) was conducted to determine whether the identified structures have any historical significance as it relates to CEQA. The HRA found that the four subject properties located on the site are not eligible for listing in the National Register of Historic Places (NR) or California Register of Historical Resources (CR) at any level, or for local designation (Urbana 2022). Therefore, the Project would not result in a new impact related to an adverse change in the significance of a historic resource.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR found that buildout of TOP 2050 could impact archeological resources or paleontological resources. However, TOP 2050 SEIR identified that existing federal, state, and local regulations in addition to Mitigation Measure 5-2 would reduce impacts to archeological resources to less than significant.

As discussed in response a) above, the Project site has been previously disturbed from past uses that involve grading and building construction. Because the site has previously been disturbed, there is reduced potential

for the Project to impact archeological resources. However, the Project may result in excavation into the underlying alluvial sediments where undiscovered archaeological resources could exist, including archaeological resources that are also tribal cultural resources. TOP 2050 SEIR Mitigation Measure 5-2 requires the retention of a qualified archaeologist during ground disturbing activities in the event that a resource be discovered during ground disturbing activities. With implementation of TOP 2050 SEIR Mitigation Measure 5-2, the Project would not cause a substantial adverse change in the significance of an archaeological resource and impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

c) Disturb any human remains, including those interred outside of formal cemeteries?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR found that grading activities in Ontario would comply with PRC Section 5079.98 so as not to disturb human remains.

The Project site has been previously disturbed, as described above, and has not been previously used as a cemetery. It is not anticipated that implementation of the proposed Project would result in the disturbance of human remains. However, in the unlikely event that human remains are encountered during earth removal or disturbance activities, the California Health and Safety Code Section 7050.5 (included as RR CUL-1) requires that disturbance of the site shall halt until the coroner has conducted an investigation into the circumstances, manner, and cause of any death, and the recommendations concerning the treatment and disposition of the human remains have been made to the person responsible for the excavation or to his or her authorized representative. The Coroner would also be contacted pursuant to Sections 5097.98 and 5097.99 of the Public Resources Code relative to Native American remains. In the event the Coroner determines the human remains to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC would then be required to contact the most likely descendant of the deceased Native American, who would then serve as a consultant on how to proceed with the remains. Compliance with the established regulatory framework (i.e., California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98) would reduce potential impacts involving disturbance to human remains would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate proposed Project impacts or mitigation measures exist regarding cultural resources. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

RR CUL-1: Should human remains be discovered during Project construction, the Project would be required to comply with State Health and Safety Code Section 7050.5, which states that no further disturbance may occur in the vicinity of the body until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission, which will determine the identity of and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD must complete the inspection within 48 hours of notification by the NAHC.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe cultural resources impacts would result from implementation of the proposed Project; therefore, no new mitigation measures are required for cultural resources.

TOP 2050 SEIR Mitigation Measures Applicable to the Project

Mitigation Measure 5-2: In areas of documented or inferred from evident archaeological and/or paleontological resource presence, City staff shall require applicants for development permits to provide studies to document the presence/absence of such resources. On properties where resources are identified, such studies shall provide a detailed mitigation plan, including a monitoring program and recovery and/or in situ preservation plan, based on the recommendations of a qualified cultural preservation expert. The mitigation plan shall include the following requirements:

a) Archaeologists and/or paleontologist shall be retained for the project and will be on call during grading and other significant ground-disturbing activities.

b) Should any cultural resources be discovered, no further grading shall occur in the area of the discovery until the Planning Director or designee is satisfied that adequate provisions are in place to protect these resources.

c) Unanticipated discoveries shall be evaluated for significance by a San Bernardino County Certified Professional Archaeologist/Paleontologist. If significance criteria are met, then the project shall be required to perform data recovery, professional identification, radiocarbon dates, and other special studies; submit materials to a museum for permanent curation; and provide a comprehensive final report including a catalog with museum numbers.

Status: Satisfied through Cultural Resources Study for the 627 Bon View Project, prepared by Brian F. Smith and Associates, Inc. in August 2022.

5.6 ENERGY	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Result in potentially significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☐	☐	☒
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☐	☐	☒

The discussion below is based on the Air Quality, Health Risk, Greenhouse Gas, and Energy Impact Report, prepared by LSA in November 2022, and included as Appendix A.

Summary of Impacts Identified in Top 2050 SEIR

TOP 2050 SEIR analyzed impacts related to energy in Section 5.6. TOP 2050 SEIR determined development projects constructed under TOP 2050 would create temporary demands for electricity through the use of electric-powered construction equipment. Natural gas is not generally required to power construction equipment, and therefore is not anticipated during construction phases. Development projects would also temporarily increase demands for energy (diesel fuel and gasoline) associated with transportation. Construction contractors would be required to minimize nonessential idling of construction equipment during construction in accordance with the California Code of Regulations Title 13, Article 4.8, Chapter 9, Section 2449 which would limit wasteful and unnecessary energy consumption. Further, the construction processes for future development projects accommodated under TOP 2050 would be similar to the construction processes of current development projects and projects accommodated under TOP. Therefore, TOP 2050 SEIR determined TOP 2050 would not result in wasteful, inefficient, or unnecessary consumption of fuel use during construction.

Operation of new development projects built under TOP 2050 would create additional demands for electricity and natural gas through uses such as heating, cooling, and ventilation of buildings; water heating; operation of electrical systems; use of on-site equipment and appliances; and lighting. However developments built under TOP 2050 would be required to comply with the current and future updates to the Building Energy Efficiency Standards and CALGreen, which would contribute in reducing the energy demands. In addition to an increase in use of electricity and natural gas, TOP 2050 would result in an overall increase in VMT and fuel usage for gasoline-, diesel-, compressed natural gas- and electricity-powered vehicles.

Overall, regulatory compliance (e.g., Building Energy Efficiency Standards, CALGreen, RPS, and CAFÉ standards) will increase building energy efficiency and vehicle fuel efficiency and reduce building energy demand and transportation-related fuel usage. Additionally, TOP 2050 includes policies related to land use and transportation planning and design, energy efficiency, public and active transit, and renewable energy generation that will contribute to minimizing building and transportation-related energy demands overall and demands on nonrenewable sources of energy. Implementation of proposed policies under TOP 2050 and CCAP in conjunction with regulatory requirements would ensure that energy demand associated with growth under TOP 2050 would not be inefficient, wasteful, or unnecessary.

TOP 2050 SEIR also found that implementation of TOP 2050 would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Therefore, impacts related to energy would be less than significant.

TOP 2050 SEIR Mitigation Measures:

None.

a) Result in potentially significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Impacts Associated with the Proposed Project

No New Impact.

Construction

During construction of the Project would consume energy in three general forms:

1) Petroleum-based fuels used to power off-road construction vehicles and equipment on the Project site, construction worker travel to and from the Project site, as well as delivery truck trips;
2) Electricity associated with providing temporary power for lighting and electric equipment; and
3) Energy used in the production of construction materials, such as asphalt, steel, concrete, pipes, and manufactured or processed materials such as lumber and glass.

Construction activities related to redevelopment of the site with industrial uses would be required to comply with existing fuel standards, machinery efficiency standards, and California Air Resources Board (CARB) requirements that limit idling of trucks. Through compliance with existing standards, the Project would not result in demand for fuel greater on a per-development basis than other development projects in Southern California. There are no unusual Project characteristics that would cause the use of construction equipment that would be less energy efficient compared to other similar construction sites in other parts of the state. In addition, the extent of construction activities that would occur are limited to an approximate 15-month period, and the demand for construction-related electricity and fuels would be limited to that timeframe.

TOP 2050 SEIR determined that development projects constructed under TOP 2050 would create temporary demands for electricity and would also temporarily increase demands for energy associated with transportation. TOP 2050 SEIR found that most off-road construction equipment, such as those used during demolition and grading, would be gas or diesel powered and that all operation of construction equipment would cease upon completion of Project construction.

Furthermore, consistent with TOP 2050 SEIR, construction contractors are required to demonstrate compliance with applicable CARB regulations governing the accelerated retrofitting, repowering, or replacement of heavy-duty diesel on- and off-road equipment as part of the City's construction permitting process. In addition, compliance with existing CARB idling restrictions would reduce fuel combustion and energy consumption.

Table E-1 summarizes the Project's construction vehicle fuel usage. The fuel usage is based on the vehicle type (worker vehicle, vendor vehicle, and haul truck), vehicle miles traveled, and fuel usage factors contained in the ARB EMFAC2021 mobile source emission model.

Table E-1: Energy Consumption Estimates During Project Consumption

Energy Type	Total Energy Consumption	Percentage Increase Countywide
Diesel Fuel (total gallons)	77,764.3	0.01
Gasoline (total gallons)	54,612.8	0.02

Source: Air Quality, Health Risk, Greenhouse Gas, Energy Impact Report (Appendix A)

As indicated in Table E-1, the Project would consume approximately 77,764.3 gallons of diesel fuel and approximately 54,612.8 gallons of gasoline during construction. Based on fuel consumption obtained from EMFAC2021, approximately 321.6 million gallons of diesel and approximately 917.9 million gallons of gasoline will be consumed from vehicle trips in San Bernardino County in 2022. Therefore, construction of the proposed Project would increase the annual construction generated fuel use in San Bernardino County by approximately 0.01 percent for diesel fuel usage and by 0.02 percent for gasoline fuel usage. As such, Project construction would have a negligible effect on local and regional energy supplies. Furthermore, impacts related to energy use during construction would be temporary and relatively small in comparison to San Bernardino County's overall use of the State's available energy resources.

Through compliance with existing standards the Project would not result in demand for fuel greater on a per-development basis than other development projects in Southern California. There are no unusual project characteristics that would cause the use of construction equipment that would be less energy efficient compared with other similar construction sites in other parts of the State. Therefore, construction-related fuel consumption by the Project would not result in inefficient, wasteful, or unnecessary energy use and impacts would be less than significant.

Operation

TOP 2050 SEIR determined operation of new development projects accommodated under TOP 2050 would create additional demands for electricity and natural gas compared to existing conditions. Once operational, the Project would generate demand for electricity, natural gas, as well as gasoline for fuel tanks. Operational use of energy includes the heating, cooling, and lighting of the building, water heating, operation of electrical systems, parking lot and outdoor lighting, and the transport of electricity, natural gas, and water to the areas where they would be utilized. The proposed Project would also result in energy usage associated with gasoline and diesel fuel consumed by Project-related vehicle and truck trips. This use of energy is typical for urban development, and no operational activities or land uses would occur that would result in extraordinary energy consumption. Conservatively, operational energy usage associated with the exiting 77,696 SF of RV and boat storage uses on site were modeled and were compared to those of the proposed Project as presented in Table E-2.

Table E-2: Energy Consumption Estimates During Project Operation

Energy Type	Annual Energy Consumption
Existing Uses Operational Energy Consumption	
Electricity Consumption (kWh/year)	247,073
Natural Gas Consumption (therms/year)	1,951
Proposed Project Operational Energy Consumption	
Electricity Consumption (kWh/year)	923,951
Natural Gas Consumption (therms/year)	18,772
Net Electricity Consumption	**676,878**
Net Natural Gas Consumption	**16,821**
Existing Uses Automotive Fuel Consumption	
Gasoline (gallons/year)	2,423.5
Diesel Fuel (gallons/year)	321.2
Proposed Project Automotive Fuel Consumption	
Gasoline (gallons/year)	66,832.0
Diesel Fuel (gallons/year)	90,411.7
Net Gasoline Consumption	**64,408.5**
Net Diesel Fuel Consumption	**90,090.5**

Source: Air Quality, Health Risk, Greenhouse Gas, Energy Impact Report (Appendix A)

As shown in Table E-2, the estimated net increase in electricity demand associated with the operation of the proposed Project is 676,878 kilowatt-hours (kWh) per year while the estimated net increase in natural gas

demand associated with the proposed Project would be 16,821 therms per year. In 2020, total electricity demand in San Bernardino County was approximately 15,968.5 GWh (15,968,500,000 kWh) while total natural gas consumption was approximately 527,236,428 million therms. Therefore, operation of the proposed project would negligibly increase the annual electricity and natural consumption in San Bernardino County by less than 0.01 percent, respectively. Electrical and natural gas demand associated with project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region.

Also as shown in Table E-2, the net increase in fuel use associated with the vehicle trips generated by the proposed Project would be 64,408.5 gallons of gasoline and 90,090.5 gallons of diesel fuel per year. This analysis conservatively assumes that all vehicle trips generated as a result of Project operation would be new to San Bernardino County. Based on fuel consumption obtained from EMFAC2021, approximately 321.6 million gallons of diesel and approximately 917.9 million gallons of gasoline will be consumed from vehicle trips in San Bernardino County in 2022. Therefore, vehicle and truck trips associated with the proposed Project would increase the annual fuel use in San Bernardino County by approximately 0.02 percent for gasoline fuel usage and approximately 0.01 percent for diesel fuel usage. As such, fuel consumption associated with vehicle trips generated by Project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region.

Furthermore, the State of California provides a minimum standard for building design and construction standards through Title 24 of the California Code of Regulations (CCR). Compliance with Title 24 is mandatory at the time new building permits are issued by the City. The City's administration of the Title 24 requirements includes review of design components and energy conservation measures that occurs during the permitting process, which ensures that all requirements are met. Typical Title 24 measures include insulation; use of energy-efficient heating, ventilation and air conditioning equipment (HVAC); energy-efficient indoor and outdoor lighting systems; reclamation of heat rejection from refrigeration equipment to generate hot water; and incorporation of skylights, etc. In complying with the Title 24 standards, Project impacts related to peak energy usage periods would be minimized and impacts on statewide and regional energy needs would be reduced. Thus, operation of the Project would not use large amounts of energy or fuel in a wasteful manner, and no operational energy impacts would occur.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Impacts Associated with the Proposed Project

No New Impact. The California Title 24 Building Energy Efficiency Standards are designed to ensure new and existing buildings achieve energy efficiency and preserve outdoor and indoor environmental quality. These measures (Title 24, Part 6) are listed in the California Code of Regulations. The California Energy Commission is responsible for adopting, implementing and updating building energy efficiency. Local city and county enforcement agencies have the authority to verify compliance with applicable building codes, including energy efficiency. All development is required to comply with the adopted California Energy Code (Code of Regulations, Title 24 Part 6), which is ensured through the City's development permitting process included as RR GHG-1.

No new or substantially greater impacts would occur with implementation of the proposed Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding energy. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

RR GHG-1: Title 24 Standards. The Project shall be designed in accordance with the applicable Title 24 Energy Efficiency Standards for Residential and Nonresidential Buildings (California Code of Regulations [CCR], Title 24, Part 6). These standards are updated, nominally every three years, to incorporate improved energy efficiency technologies and methods. The Building Manager, or designee shall ensure compliance prior to the issuance of each building permit.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe energy impacts would result from implementation of the Project; therefore, no new or revised mitigation measures are required for energy.

5.7 GEOLOGY AND SOILS	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:	☐	☐	☐	☐	☒
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42?	☐	☐	☐	☐	☒
ii) Strong seismic ground shaking?	☐	☐	☐	☐	☒
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☐	☐	☒
iv) Landslides?	☐	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☐	☐	☒
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☐	☐	☒
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	☐	☐	☐	☐	☒
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☐	☐	☒

This section is based on the Geotechnical Investigation prepared by NOVA Services, Inc in May 2022 (NOVA 2022) and included as Appendix E and the Paleontological Assessment for the 627 Bon View Project, prepared by Brian F. Smith and Associates, in August 2022 (BFSA 2022b), and included as Appendix F.

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR discussed impacts related to geological, soil and paleontological resources in Section 5.7. The City of Ontario is not within any Alquist-Priolo Earthquake Fault Zone. According to TOP 2050 SEIR, based on the groundwater levels throughout the City being greater than 50 feet below ground surface, there is currently no potential for liquefaction. Ontario is underlain by young, unconsolidated alluvial deposits and artificial fill that may be susceptible to seismically induced settlement. TOP 2050 SEIR found that impacts

related to ground shaking, liquefaction, and seismic settlement would be less than significant with compliance with the CBC and with implementation of TOP 2050 seismic related policies.

TOP 2050 SEIR found that impacts related to soil erosion, ground subsidence, compressible and expansive soils would be less than significant with compliance with the CBC and review of grading plans for individual projects by the City Engineer.

TOP 2050 SEIR identified that use of septic tanks would be limited to existing septic tanks, and new septic tanks would be constricted to areas not in practical proximity to existing sewer mains, dependent on approval by the Santa Ana Regional Water Quality Control Board on a case-by-case basis.

TOP 2050 SEIR found that impacts related to paleontological resources would be less than significant with implementation of Mitigation Measure 5-2 which requires that in the event of an unanticipated discovery of archaeological or paleontological resources during grading and excavation of the site, a qualified archaeologist would assess the find and develop a course of action to preserve the find.

TOP 2050 SEIR Mitigation Measures:

Mitigation Measure 5-2: In areas of documented or inferred archaeological and/or paleontological resource presence, City staff shall require applicants for development permits to provide studies to document the presence/absence of such resources. On properties where resources are identified, such studies shall provide a detailed mitigation plan, including a monitoring program and recovery and/or in situ preservation plan, based on the recommendations of a qualified cultural preservation expert. The mitigation plan shall include the following requirements:

a. Archaeologists and/or paleontologist shall be retained for the project and will be on call during grading and other significant ground-disturbing activities.
b. Should any cultural resources be discovered, no further grading shall occur in the area of the discovery until the Planning Director or designee is satisfied that adequate provisions are in place to protect these resources.
c. Unanticipated discoveries shall be evaluated for significance by a San Bernardino County Certified Professional Archaeologist/Paleontologist. If significance criteria are met, then the project shall be required to perform data recovery, professional identification, radiocarbon dates, and other special studies; submit materials to a museum for permanent curation; and provide a comprehensive final report including a catalog with museum numbers.

a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that implementation of TOP 2050 policies and state regulations would ensure that the potential impacts from seismic-related hazards would be less than significant.

A Geotechnical Investigation was conducted by NOVA Services, Inc. for the Project site (see Appendix D). As described in the Geotechnical Investigation, the Project site is not within an Alquist-Priolo Earthquake Fault Zone. The closest known active fault zones are the Cucamonga section of the Sierra Madre Fault Zone, located approximately 6.4 miles north of the site and the Chino section of the Elsinore Fault Zone, located approximately 7.0 miles southwest of the site (NOVA 2022). As the Project site does not contain an earthquake fault, it is not affected by a state-designated Alquist-Priolo Earthquake Fault Zone. Thus, impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

ii. Strong seismic ground shaking?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that implementation of TOP 2050 policies and state regulations would ensure that the potential impacts from seismic-related hazards would be less than significant.

Because the closest earthquake fault zones are the Cucamonga section of the Sierra Madre Fault Zone, located approximately 6.4 miles away and the Chino section of the Elsinore Fault Zone, located approximately 7.0 miles away, moderate to strong ground shaking can be expected at the site. The amount of motion can vary depending upon the distance to the fault, the magnitude of the earthquake, and the local geology. Greater movement can be expected at sites located closer to an earthquake epicenter, in areas that consist of poorly consolidated material such as alluvium, and in response to an earthquake of great magnitude.

Structures built in the City are required to be built in compliance with the California Building Code (CBC [California Code of Regulations, Title 24, Part 2]), included in Ontario Municipal Code as Section 8-1.01 (RR GEO-1). Compliance with the CBC would ensure earthquake safety based on factors including occupancy type, the types of soils onsite, and the probable strength of the ground motion. Compliance with the CBC would include the incorporation of 1) seismic safety features to minimize the potential for significant effects as a result of earthquakes; 2) proper building footings and foundations; and 3) construction of the building structures so that it would withstand the effects of strong ground shaking. Therefore, with CBC compliance, the proposed Project would not expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving strong seismic ground shaking more than other developments in Southern California.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

iii. Seismic-related ground failure, including liquefaction?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that impacts related to liquefaction would be less than significant with compliance with the CBC.

Soils that are most susceptible to liquefaction are clean, loose, saturated, and uniformly graded fine-grained sands that lie below the groundwater table within approximately 50 feet below ground surface. Lateral spreading is a form of seismic ground failure due to liquefaction in a subsurface layer.

As described in the in the Geotechnical Investigation, the existing soils at the Project site consist of Young alluvial fan deposits primarily comprised of loose to dense, slightly moist sand, gravel, and cobbles. Additionally, as described in the Geotechnical Investigation, no groundwater was encountered at the maximum explored depth of approximately 50 feet below ground surface. Due to the lack of shallow groundwater and given the dense nature of the materials beneath the site, the potential for liquefaction and dynamic settlement to occur is considered low (NOVA 2022).

The Project would be required to comply with the CBC, as included in the City's Municipal Code. Additionally, as required by Municipal Code and the CBC, the Project must demonstrate compliance with the Project-

specific geotechnical report, including geotechnical recommendations for the proposed Project prior to the issuance of grading permits. Compliance with the CBC and the City's Municipal Code would reduce impacts related to liquefaction.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

iv. Landslides?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that implementation of TOP 2050 policies and state regulations would ensure that the potential impacts from seismic-related hazards would be less than significant.

As described in the Geotechnical Investigation, the Project site is relatively level with elevations ranging from 940 feet above mean sea level (msl) to 940 feet above msl (NOVA 2022). During the field investigation no evidence of landslides, deep-seated landslides, or slope instabilities were not observed (NOVA 2022). Additionally, there are no mapped landslides in the vicinity of the Project site. Therefore, due to the flat topography of the site, there is no potential for landslides or slope instabilities to occur at the site.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

b) Result in soil erosion or the loss of topsoil?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR found that impacts related to soil erosion would be less than significant with compliance with the CBC and review of grading plans for individual projects by the City Engineer.

The Project would involve excavation, grading, and construction activities that would disturb soil and leave exposed soil on the ground surface. As such, the proposed Project would be required to comply with the City's grading standards and erosion control measures, as verified through the permitting and plan check process. Additionally, the Construction General Permit (CGP; Order No. R8-2002-0011) issued by the State Water Resources Control Board (SWRCB), regulates construction activities to minimize water pollution, including sediment. The proposed Project would be subject to the National Pollutant Discharge Elimination System (NPDES) permitting regulations, including implementation of a Stormwater Pollution Prevention Plan (SWPPP), and associated best management practices (BMPs) during grading and construction, which would be required during construction permitting of the Project.

Adherence to the BMPs in the SWPPP would reduce, prevent, or minimize soil erosion from Project-related grading and construction activities. After completion of construction, the Project site would be developed with two warehouses, parking lots, and landscape improvements, and would not contain exposed soil. Thus, the potential for soil erosion or the loss of topsoil would be low. In addition, the City of Ontario requires new development projects to prepare a Water Quality Management Plan (WQMP) including Low Impact Development BMPs to reduce the potential of erosion and/or sedimentation through site design and structural treatment control street sweeping private streets and parking lots, storm drain signage, and use of efficient irrigation systems and landscape design. Implementation of the WQMP and BMPs is verified through the City's permitting process. Therefore, the proposed Project would have a less than significant impact related to soil erosion.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or offsite landslide, lateral spreading, subsidence, liquefaction or collapse?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR found that impacts related to unstable geologic units and soil would be less than significant with compliance with the CBC and review of grading plans for individual projects by the City Engineer.

As described above, the Project site is relatively flat, and does not contain nor is adjacent to any significant slope or hillside area. Furthermore, the Project itself would not create slopes on the site. Thus, on or off-site landslides would not occur from implementation of the Project.

The Project site is not located on geologic unit or soil that is unstable, or that would become unstable as a result of the Project, and potentially result in on- or offsite landslide, lateral spreading, subsidence, or collapse (NOVA 2022). Additionally, the Project site is not within a liquefaction hazard area. Prior to issuance of grading permits, pursuant to the CBC, the Project must comply with the geotechnical report and its recommendations (see RR GEO-2). The report would provide CBC regulations for the proposed development to reduce the potential for liquefaction-induced settlement to a less than significant level and would be verified by the City through the building plan check and development permitting process, and would reduce potential impacts related to liquefaction, settlement, and ground collapse to a less than significant level.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

d) Be located on expansive soil, as defined in in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR found that impacts related to expansive soils would be less than significant with compliance with the CBC and review of grading plans for individual projects by the City Engineer.

Expansive soils contain certain types of clay minerals that shrink or well as the moisture content changes; the shrinking or swelling can shift, crack, or break structures built on such soils. Arid or semiarid areas with seasonal changes of soil moisture experiences, such as southern California, have a higher potential of expansive soils than areas with higher rainfall and more constant soil moisture.

Onsite soils testing indicate that Project site soils have an expansion index of 10, which is classified as a very low expansion potential. According to the Geotechnical Investigation, in order to reduce the potential for expansion, the top two feet of material beneath building footings, concrete slabs-on-grade, hardscape, and site and retaining wall footings should have an expansion index of 50 or less. The Geotechnical Investigation indicated that the onsite silty sand would meet the expansion index criteria (NOVA 2022).

In addition, as described previously, compliance with the CBC would be incorporated into grading plans and building specifications as a condition of construction permit approval to ensure that Project structures would

withstand the effects related to ground movement, including expansive soils. Therefore, impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR identified that use of septic tanks would be limited to existing septic tanks, and new septic tanks would be constricted to areas not in practical proximity to existing sewer mains, dependent on approval by the Santa Ana Regional Water Quality Control Board on a case-by-case basis.

The proposed Project would connect to existing sewer lines within Bon View Avenue and California Street. No septic tanks are proposed. Therefore, no impact would occur.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR found that impacts related to paleontological resources would be less than significant with implementation of Mitigation Measure 5-2 which requires that in the event of an unanticipated discovery of archaeological or paleontological resources during grading and excavation of the site, a qualified archaeologist would assess the find and develop a course of action to preserve the find.

A paleontological literature review and collections and records search was conducted for the proposed Project through the Division of Geological Sciences at the San Bernardino County Museum (SBCM), the Los Angeles County Museum of Natural History (LACM), the Western Science Center (WSC), and with data from published and unpublished paleontological literature (Appendix F). Geologic mapping shows that the Project site lies in Holocene young alluvial fan sediments underlain by late Pleistocene alluvial fan deposits. The paleontological sensitivity of late Pleistocene alluvial sediments is considered high.

Record search results indicated that the LACM has no known fossil localities within the Project boundaries or vicinity. However, records from the SBCM indicate the closest-known fossil locality is located approximately five miles east of the project along Champagne Avenue, consisting of the remains of a mammoth from a depth of about 20 feet below the surface (BFSA 2022b). Additionally, the WSC records identified a locality approximately five miles to the south, near Merrill Avenue, yielding sparse mammalian remains that include a large bovid-like artiodactyl (even-toed grazer), from about five to seven feet deep (BFSA 2022b).

The Project would demolish the existing buildings onsite and construct two new tilt-up warehouse buildings on the site. Earthmoving activities, including grading and trenching activities, would have the potential to disturb previously unknown paleontological resources if earthmoving activities occur at significant depths below previously disturbed soils. Based on the high paleontological sensitivity of the late Pleistocene alluvial fan deposits mapped at the Project site, and nearby fossil localities, earth disturbance activities have the potential to impact significant paleontological resources. As specified in TOP 2050 SEIR Mitigation Measure

5-2, in areas of documented or inferred archaeological and/or paleontological resource presence, City staff shall require applicants for development permits to provide studies to document the presence/absence of such resources. Further, on properties where resources are identified, such studies shall provide a detailed mitigation plan, including a monitoring program and recovery and/or in situ preservation plan, based on the recommendations of a qualified cultural preservation expert. In compliance with Mitigation Measure 5-2, the Project Applicant/Developer would be required to follow the recommendations included in the Paleontological Assessment prepared for the proposed Project. With implementation TOP 2050 SEIR Mitigation Measure 5-2, potential impacts to paleontological resources and unique geologic features would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding geology and soils. There have not been 1) changes to the project that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which the project is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

RR GEO-1: California Building Code. Site development in the City is required to comply with the CBC and all state requirements pertaining to geotechnical hazards and constraints, including soil conditions. The CBC has been incorporated and adopted in its entirety into the City's Building Code as Title 8, Chapter 1, Section 8-1.01 of the Ontario Municipal Code.

RR GEO-2 As required by the current CBC adopted in the City's Municipal Code, prior to issuance of a grading permit, site preparation shall follow the recommendations in the *Geotechnical Investigation for Proposed Industrial Development Bon View Avenue and California Street, Ontario, California* (dated May 16, 2022), prepared by NOVA Services, Inc., as well as any additional future site-specific, design-level geotechnical investigations of the Project.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe geology and soils impacts would result from implementation of the Project; therefore, no new mitigation measures are required for geology and soils.

TOP 2050 SEIR Mitigation Measures Applicable to the Project:

Mitigation Measure 5-2: In areas of documented or inferred archaeological and/or paleontological resource presence, City staff shall require applicants for development permits to provide studies to document the presence/absence of such resources. On properties where resources are identified, such studies shall provide a detailed mitigation plan, including a monitoring program and recovery and/or in situ preservation plan, based on the recommendations of a qualified cultural preservation expert. The mitigation plan shall include the following requirements:

a. Archaeologists and/or paleontologist shall be retained for the project and will be on call during grading and other significant ground-disturbing activities.
b. Should any cultural resources be discovered, no further grading shall occur in the area of the discovery until the Planning Director or designee is satisfied that adequate provisions are in place to protect these resources.
c. Unanticipated discoveries shall be evaluated for significance by a San Bernardino County Certified Professional Archaeologist/Paleontologist. If significance criteria are met, then the project shall be required to perform data recovery, professional identification, radiocarbon dates, and other special studies; submit materials to a museum for permanent curation; and provide a comprehensive final report including a catalog with museum numbers.

Status: Satisfied through the preparation of the Paleontological Resources Assessment prepared by Brian F. Smith and Associates in August 2022. In compliance with the requirements of TOP 2050 SEIR Mitigation Measure 5-2, Project grading and construction activities shall follow the recommendations in the Paleontological Assessment.

5.8 GREENHOUSE GAS EMISSIONS	Subsequent or Supplemental EIR			Addendum to EIR	
	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
Would the project:					
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☐	☐	☒
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☐	☐	☒

The discussion below is based on the Air Quality, Health Risk, Greenhouse Gas, and Energy Impact Report, prepared by LSA, dated November 2022, which is included as Appendix A.

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR evaluated impacts related to generation of greenhouse gas emissions (GHG) in Section 5.8. TOP 2050 SEIR determined that implementation of the Community Climate Action Plan (CCAP), the City would achieve the Executive Order (EO) S-03-05 GHG emissions reduction targets, resulting in an 80 percent decrease in GHG emissions in the City by 2050 from existing conditions, and would make substantial progress toward the State's carbon neutrality goals under EO B-55-18. Therefore, TOP 2050 SEIR determined that TOP 2050, which includes the CCAP, would reduce GHG emissions impacts compared to the previous TOP. As such, impacts were determined to be less than significant.

TOP 2050 SEIR Mitigation Measures:

None.

Impacts Associated with the Proposed Project

Explanation

Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHGs), play a critical role in the Earth's radiation amount by trapping infrared radiation from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO_2), methane (CH_4), ozone (O_3), water vapor, nitrous oxide (N_2O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change. Emissions of gases that induce global warming are attributable to human activities associated with industrial/manufacturing, agriculture, utilities, transportation, and residential land uses.

Section 15364.5 of the California Code of Regulations defines GHGs to include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons and sulfur hexafluoride. Transportation is responsible for 37 percent of the state's greenhouse gas emissions, followed by electricity generation. Emissions of CO_2 and N_2O are byproducts of fossil fuel combustion. Methane, a potent greenhouse gas, results from off-

gassing associated with agricultural practices and landfills. Sinks of CO_2, where CO_2 is stored outside of the atmosphere, include uptake by vegetation and dissolution into the ocean.

California has passed several bills and the Governor has signed at least three executive orders regarding greenhouse gases. GHG statues and EO's include AB 32, SB 1368, EO S-03-05, EO S-20-06 and EO S-01-07. These regulations require the use of alternative energy, such as solar power. Solar projects produce electricity with no GHG emissions and assist in offsetting GHG emissions produced by fossil-fuel-fired power plants.

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Impacts Associated with the Proposed Project

No New Impact. Global climate change (GCC) describes alterations in weather features (e.g., temperature, wind patterns, precipitation, and storms) that occur across the Earth as a whole. GCC is not confined to a particular project area and is generally accepted as the consequence of global industrialization over the last 200 years. A typical project, even a very large one, does not generate enough GHG emissions on its own to influence global climate change significantly; hence, the issue of global climate change is, by definition, a cumulative environmental impact.

The principal GHGs of concern contributing to the greenhouse effect are CO2, CH4, N2O, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. GHGs are produced by both direct and indirect emissions sources. Direct emissions include consumption of natural gas, heating and cooling of buildings, landscaping activities and other equipment used directly by land uses. Indirect emissions include the consumption of fossil fuels for vehicle trips, electricity generation, water usage, and solid waste disposal. The large majority of GHG emissions generated from residential projects are related to vehicle trips.

In 2022, the City updated its Community Climate Action Plan (CCAP), which outlines a plan to achieve the City's long term GHG reduction targets under Senate Bill 32, Executive Order S-03-05 for year 2050, and substantial progress towards the State's carbon neutrality goals under Executive Order B-55-18. The CCAP will also include GHG emissions CEQA thresholds and screening tables, which will be used for future projects to determine their consistency with the CCAP. However, GHG CEQA thresholds and screening tables are not available yet. Therefore, the analysis herein evaluates the proposed Project based on SCAQMD thresholds.

The SCAQMD has proposed interim numeric GHG significance thresholds that are based on capture of approximately 90 percent of emissions from development, which is 3,000 metric tons carbon dioxide equivalent (MTCO2e) per year (SCAQMD 2008). This approach is widely used by cities in the South Coast Air Basin, including the City of Ontario. As such, this threshold is utilized herein to determine if GHG emissions from this Project would be significant.

Similar to TOP 2050, during demolition and construction, temporary sources of GHG emissions include construction equipment and workers' commutes to and from the site. The combustion of fossil-based fuels creates GHGs such as CO_2, CH_4, and N_2O. As shown on Table GHG-1, the proposed Project has the potential to generate a total of approximately 27.2 MTCO2e per year from construction emissions amortized over 30 years per SCAQMD methodology. Construction emissions would be temporary in nature and would only occur for the duration of the construction period.

Table GHG-1: Project Construction GHG Emissions

Construction Year	Annual Emissions (MT/yr)			
	CO_2	CH_4	N_2O	CO_2e
2023	307.5	0.1	<0.1	312.0
2024	495.7	0.1	<0.1	502.7

Total Construction GHG Emissions	**814.7**
Amortized Construction Emissions	**27.2**

Source: Air Quality, Health Risk, Greenhouse Gas and Energy Impact Analysis (Appendix A)

Similar to TOP 2050, during operations, the proposed warehouses would generate long-term GHG emissions from mobile sources (e.g., vehicle trips), area sources (e.g., maintenance activities and landscaping), indirect emissions from sources associated with energy consumption, waste sources (land filling and waste disposal), and water sources (water supply and conveyance, treatment, and distribution). Natural gas use results in the emission of two GHGs: CH_4 (the major component of natural gas) and CO_2 (from the combustion of natural gas). Electricity use can result in GHG production if the electricity is generated by combusting fossil fuel.

Table GHG-2 conservatively shows the operational GHG emissions that would result from the operation of the proposed warehouses compared to the operation of the existing 77,696 SF of RV and boat storage uses. The large majority of GHG emissions generated from operation of the warehouses would be from vehicle trips.

Table GHG-2: Project Operational GHG Emissions

Emissions Source	Operational Emissions				
	CO_2	**CH_4**	**N_2O**	**CO_2e**	**Percentage of Total**
Existing Operational Emissions					
Area Sources	<0.1	<0.1	0.0	<0.1	<1
Energy Sources	54.2	<0.1	<0.1	54.5	30
Mobile Sources	22.4	<0.1	<0.1	22.8	13
Waste Sources	14.8	0.9	0.0	36.7	20
Water Sources	47.2	0.6	<0.1	66.2	37
Total Existing Emissions				**180.2**	**100**
Proposed Project Operational Emissions					
Area Sources	<0.1	<0.1	0.0	<0.1	<1
Energy Sources	264.0	<0.1	<0.1	265.4	13
Mobile Sources	1,401.8	0.1	0.2	1,448.6	71
Waste Sources	48.3	2.9	0.0	119.7	6
Water Sources	148.2	1.8	<0.1	206.4	10
Total Project Operational Emissions				**2,040.1**	**100**
Amortized Construction Emissions				27.2	-
Total Annual Emissions				**2,067.3**	**-**
Net Operational Emissions				**1,887.1**	**-**
SCAQMD Threshold				3,000	-
Exceed?				**No**	**-**

Source: Air Quality, Health Risk, Greenhouse Gas and Energy Impact Analysis (Appendix A)

As shown in Table GHG-2, operation of the proposed Project would result in approximately 1,887.1 MTCO2e of operational-related GHG emissions per year which is less than the threshold of 3,000 MTCO2e per year. Although GHG emissions were not analyzed under the previous TOP 2050 SEIR, emissions generated by the 240,778 SF industrial project assumed in TOP 2050 SEIR would be similar to that of the proposed Project and would be less than significant based on SCAQMD thresholds.

No new or substantially greater impacts would occur with implementation of the proposed Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Impacts Associated with the Proposed Project

No New Impact.

The Project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases. As described in the previous response, the Project would not exceed thresholds related to GHG emissions. In addition, the Project would comply with regulations imposed by the state and the SCAQMD that reduce GHG emissions, as described below:

- Global Warming Solutions Act of 2006 (AB 32) is applicable to the Project because many of the GHG reduction measures outlined in AB 32 (e.g., low carbon fuel standard, advanced clean car standards, and cap-and-trade) have been adopted over the last 5 years and implementation activities are ongoing. The proposed building would not conflict with fuel and car standards or cap-and-trade.
- Pavley Fuel Efficiency Standards (AB 1493) establishes fuel efficiency ratings for new (model year 2009-2016) passenger cars and light trucks. The Project would develop new residences that would not conflict with fuel efficiency standards for vehicles.
- Title 24 California Code of Regulations (Title 24) establishes energy efficiency requirements for new construction that address the energy efficiency of new (and altered) buildings. The Project is required to comply with Title 24, which would be verified by the City during the plan check and permitting process.
- Title 17 California Code of Regulations (Low Carbon Fuel Standard [LCFS]) requires carbon content of fuel sold in California to be 10 percent less by 2020. Because the LCFS applies to any transportation fuel that is sold or supplied in California, all vehicle trips generated by the Project would comply with LCFS.
- California Water Conservation in Landscaping Act of 2006 (AB 1881) provides requirements to ensure water efficient landscapes in new development and reduced water waste in existing landscapes. The Project is required to comply with AB 1881 landscaping requirements, which would be verified by the City during the plan check and permitting process.
- Emissions from vehicles, which are a main source of operational GHG emissions, would be reduced through implementation of federal and state fuel and air quality emissions requirements that are implemented by CARB. In addition, as described in the previous response, the Project would not result in an exceedance of an air quality standard.

The regulations, plans, and polices adopted for the purpose of reducing GHG emissions that are directly applicable to the Project include the latest Title 24 Energy Efficiency Standards for Residential and Nonresidential Buildings (RR GHG-1) and the Title 24 California Green Building Standards Code (CALGreen) (RR GHG-2). The Project would be required to comply with the latest Title 24 Standard at the time of building permit issuance.

City of Ontario Community Climate Action Plan
The City has recently adopted the 2022 CCAP, which is an update to the 2014 CCAP. The 2022 CCAP provides strategies in various sectors to meet or exceed the State targets of reducing emissions 40 percent below 1990 levels by 2030 and 80 percent below 1990 levels by 2050. The 2022 CCAP will include GHG emission CEQA thresholds and screening tables which will be used for future projects to determine their consistency with the CCAP. However, GHG CEQA thresholds and screening tables are not available yet, thus the proposed Project was analyzed based on the SCAQMD thresholds and for consistency with the CCAP

GHG reduction strategies that are applicable to the proposed Project. The proposed Project would implement energy and water conservation measures consistent with the CALGreen Code and the 2022 CCAP. In addition, the proposed Project would include approximately 62,100 SF of ornamental landscape area, consistent with the goal of the CCAP to include new trees in parking lot areas. Additionally, future tenants of the buildings would be able to implement mass transit measures such as ridership programs and public transit passes to comply with the goals of the CCAP. Therefore, the proposed Project would not lead to new or more severe impacts beyond those identified in TOP 2050 SEIR.

San Bernardino County Regional Greenhouse Gas Reduction Plan
The City of Ontario was a participant in the San Bernardino County Regional Greenhouse Gas Reduction Plan, which identifies the County's vision and goals in reducing GHG emissions in its different cities, local government facilities, and communities. Table GHG-3 below presents the proposed project's compliance with each reduction measure evaluated for the City of Ontario, as identified in the San Bernardino County Regional Greenhouse Gas Reduction Plan.

Table GHG-3: Project Consistency with City of Ontario GHG Reduction Measures

Measure	Description	Project Consistency
Building Energy		
Energy-1. Building Energy	• **Environmental Resources 3-1:** We require conservation as the first strategy to be employed to meet applicable energy-saving standards. • **Environmental Resources 3-3:** We require new construction to incorporate energy efficient building and site design strategies, which could include appropriate solar orientation, maximum use of natural daylight, passive solar and natural ventilation. • **Environmental Resources 3-4:** We require all new and substantially renovated City buildings in excess of 10,000 square feet achieve a LEED Silver Certification standard, as determined by the U.S. Green Building Council	***Consistent.*** The proposed Project would comply with the CALGreen Code regarding energy conservation and green building standards.
Energy-4. Solar Installation for New Housing	• **Environmental Resources 3-3:** We require new construction to incorporate energy efficient building and site design strategies, which could include appropriate solar orientation, maximum use of natural daylight, passive solar and natural ventilation. • **Environmental Resources 3-6:** We promote the use of renewable energy sources to serve public and private sector development.	***Not Applicable.*** This measure is not applicable as the proposed Project would not construct a residential building.
Energy-5. Renewable Energy – New Commercial/Industrial	• **Environmental Resources 3-3:** We require new construction to incorporate energy efficient building and site design strategies, which could include appropriate solar orientation, maximum use of natural daylight, passive solar and natural ventilation. • **Environmental Resources 3-6:** We promote the use of renewable energy sources to serve public and private sector development.	***Consistent.*** The proposed Project would comply with the CALGreen Code regarding energy conservation and green building standards.
Energy-6. Solar Energy for Warehouse Space	**Environmental Resources 3-6**: We promote the use of renewable energy sources to serve public and private sector development.	***Consistent.*** The proposed project would comply with the CALGreen Code regarding energy

		conservation and green building standards.
Energy-7. Solar Installation - Existing Housing	**Environmental Resources 3-6:** We promote the use of renewable energy sources to serve public and private sector development.	***Not Applicable.*** This measure is not applicable as the proposed project would not retrofit an existing residential building.
Energy-8. Renewable Energy – Existing Commercial/Industrial	**Environmental Resources 3-6:** We promote the use of renewable energy sources to serve public and private sector development.	***Not Applicable.*** This measure is not applicable as the proposed Project would not retrofit an existing building.
Energy-10. Urban Tree Planting for Shading and Energy Savings	**Environmental Resources 4-8:** We protect healthy trees within the City and plant new trees to increase carbon sequestration and help the regional/local air quality.	***Consistent.*** The proposed Project would include landscaping.
On-Road		
On Road-1: Alternative Fueled Transit Fleets – CNG to Electric	• **Mobility 3-3:** We require walkways that promote safe and convenient travel between residential areas, businesses, schools, parks, recreation areas, and other key destination points. • **Environmental Resources 3-2:** We require the use of best practices identified in green community rating systems to guide the planning and development of all new communities. • **Environmental Resources 4-1:** We reduce GHG and other local pollutant emissions through compact, mixed use, and transit-oriented development and development that improves the regional jobs-housing balance.	***Not Applicable.*** The proposed Project would include two speculative warehouse buildings. Future tenants of the buildings would implement mass transit encouragement measures as applicable.
OnRoad-2. Encourage Use of Mass Transit	• **Mobility 3-4:** We work with regional transit agencies to implement BRT service to target destinations and along corridors, as shown in the Transit Plan. • **Mobility 3-1:** We maintain a proactive working partnership with transit providers to ensure that adequate public transit service is available. • **Mobility 3-2:** We require new development to provide transit facilities, such as bus shelters, transit bays and turnouts, as necessary. • **Mobility 3-5**: We support extension of the Metro Rail Gold Line to Ontario. • **Mobility 3-6:** We advocate expansion of Metrolink service to include the Downtown and the multimodal transit center. • **Mobility 3-8:** We work with regional transit agencies to secure convenient feeder service from the Metrolink station and the proposed multimodal transit center to employment centers in Ontario. • **Mobility 3-11**: We require the future development of community-wide serving facilities to be sited in transit-ready areas that can be served and made accessible by public transit.	***Not Applicable.*** The proposed Project would construct two warehouse buildings and would not include transit fleet vehicles.

	• **Land Use 1-2**: We integrate state, regional and local Sustainable Community/Smart Growth principles into the development and entitlement process.	
OnRoad-3. Transportation Demand Management and Signal Synchronization	• **Policy LU-3.3**: Locate regionally serving land uses with immediate access to the regional transportation network that is designed to provide maximum access capabilities and permit maximum dispersal of traffic.	***Not Applicable.*** The proposed Project would generate a total of 65 average daily trips, including XX AM peak hour trips and 66 PM peak hour trips. Based on the minimal peak hour trips generated by the proposed Project, the Project would not be required to implement transportation demand management strategies or signal synchronization.
OnRoad-4. Expand Bike Routes	• **Land Use 1-4:** We require development and urban design, where appropriate, that reduces reliance on the automobile and capitalizes on multi-modal transportation opportunities. • **Mobility 3-1:** We maintain our Multipurpose Trails & Bikeway Corridor Plan to create a comprehensive system of on- and off-street bikeways that connect residential areas, businesses, schools, parks, and other key destination points. • **Mobility 3-2:** We provide off-street multipurpose trails and Class II bikeways as our primary paths of travel and use the Class III for connectivity in constrained circumstances. • **Mobility 3-4:** We explore opportunities to expand the pedestrian and bicycle networks.	***Not Applicable.*** The proposed Project would include two speculative warehouse buildings. Future tenants of the buildings would implement mass transit encouragement measures as applicable.
Solid Waste Management		
Waste-2. Waste Diversion	• **Environmental Resources 3-1:** We shall meet or exceed AB 939 requirements.	***Consistent.*** The proposed Project would be consistent with County Solid Waste and State requirements for waste reduction.
Water Conveyance		
Water-1: Require Adoption of the Voluntary CALGreen Water Efficiency Measures for New Construction	Require adoption of the Voluntary CALGreen water efficiency measures for new construction. CALGreen voluntary measures recommend use of certain water efficient appliances, and plumbing and irrigation systems, as well as more aggressive water savings targets. Update building standards and codes for new buildings to require adoption of these voluntary measures, including: • Use of low-water irrigation systems. • Installation of rainwater and graywater systems. • Installation of water-efficient appliances and plumbing fixtures, as well as composting toilets.	***Consistent.*** The proposed Project would comply with CALGreen, regarding water conservation.

	• A 30-40% reduction over BAU conditions in indoor water use, and a 55-60% reduction in outdoor potable water use (CALGreen Tier 1 or 2).	
Water-3: Encourage Water-Efficient Landscaping Practices	Encourage Water-Efficient Landscaping Practices. Adopt a landscaping water conservation plan that exceeds the requirements in the Model Landscape Ordinance (AB 1881).	***Consistent.*** The proposed Project would comply with CALGreen, regarding water conservation.

Source: Air Quality, Health Risk, Greenhouse Gas, and Energy Impact Report (Appendix A)

2020-2056 RTP/SCS

SCAG's RTP/SCS determines that land use strategies that focus on new housing and job growth in areas served by high quality transit and other opportunity areas would be consistent with a land use development pattern that supports and complements the proposed transportation network. The core vision in the 2020–2045 RTP/SCS is to better manage the existing transportation system through design management strategies, integrate land use decisions and technological advancements, create complete streets that are safe to all roadway users, preserve the transportation system, and expand transit and foster development in transit-oriented communities. The 2020–2045 RTP/SCS does not require that local general plans, specific plans, or zoning be consistent with the 2020–2045 RTP/SCS but provides incentives for consistency for governments and developers.

Implementing SCAG's RTP/SCS will greatly reduce the regional GHG emissions from transportation, helping to achieve statewide emissions reduction targets. As discussed above, the proposed Project would result in fewer daily trips than what was assumed for the Project site in TOP 2050 SEIR and would in no way conflict with the stated goals of the RTP/SCS; therefore, the proposed Project would not interfere with SCAG's ability to achieve the region's GHG reduction target of 19 percent below 2005 per capita emissions levels by 2035. Furthermore, the proposed Project is not regionally significant per State CEQA Guidelines Section 15206 and as such, it would not conflict with the SCAG RTP/SCS targets, since those targets were established and are applicable on a regional level.

As described above, the Project is consistent with the goals and strategies set by the CCAP, San Bernardino County Regional GHG Reduction Plan, and the 2020-2045 RTP/SCS. In addition, emissions would not exceed the thresholds set by SCAQMD. Therefore, implementation of the Project would not conflict with any applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases and impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the proposed Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding greenhouse gas emissions. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

RR GHG-1: Title 24 Standards. The Project shall be designed in accordance with the applicable Title 24 Energy Efficiency Standards for Residential and Nonresidential Buildings (California Code of Regulations [CCR], Title 24, Part 6). These standards are updated, nominally every three years, to incorporate improved energy efficiency technologies and methods. The Building Manager, or designee shall ensure compliance prior to the issuance of each building permit.

RR GHG-2: CALGreen Standards. Projects shall be designed in accordance with the applicable California Green Building Standards (CALGreen) Code (24 CCR 11). The Building Manager, or designee shall ensure compliance prior to the issuance of each building permit.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe greenhouse gas emissions impacts would result from implementation of the proposed Project; therefore, no new or revised mitigation measures with respect to greenhouse gas emissions impacts are required.

5.9 HAZARDS AND HAZARDOUS MATERIALS	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☐	☐	☒
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☐	☐	☒
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☐	☒
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☐	☒
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☐	☒
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☐	☒
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☐	☒

This section is based on the Phase I Environmental Site Assessment conducted by Stantec Consulting Services Inc. in December 2021, (Stantec 2021) and included as Appendix G and the Limited Subsurface Soil Vapor Screening Assessment conducted by Stantec Consulting Services Inc. (Stantec 2022a) in February 2022, (Stantec 2022) and included as Appendix H.

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to hazards and hazardous materials in Section 5.9. TOP 2050 SEIR determined that impacts related to hazardous waste transport, use, and/or disposal that would occur upon the buildout of TOP 2050 would be less than significant with adherence to the existing regulations. TOP 2050 SEIR also determined that with implementation of the policies in TOP in addition to existing regulations, buildout of TOP 2050 would not expose people to substantial hazards from hazardous materials sites listed on environmental databases. TOP 2050 SEIR determined that TOP 2050 would have a less than significant impact associated with consistency with the Ontario Airport Land Use Compatibility Plan (ONT ALUCP) and the Caltrans 2011 California Airport Land Use Planning Handbook for Chino Airport. TOP 2050 SEIR determined that buildout of TOP 2050 would not interfere with an emergency evacuation plan all

development applications are reviewed by the Ontario Fire Department to ensure that adequate emergency accessibility is provided based on local and state guidance. TOP 2050 SEIR found that TOP 2050 would result in less than significant risks from wildfire hazards as Ontario is outside of the state responsibility area, and CAL FIRE has determined that the City contains no areas subject to very high wildfire risk. Adherence to the CAL FIRE 2019 Strategic Fire Plan for California, the California Fire Code, County of San Bernardino Multi-jurisdiction Hazard Management Plan, the Ontario LHMP, and fire services from the Ontario Fire Department, TOP 2050 would not exacerbate risk or result in post-wildfire hazards (e.g., landslides, mudflows, and flooding).

TOP 2050 SEIR Mitigation Measures:

None.

Existing Condition

The Project site is currently developed with five light industrial buildings/warehouses, one office building and a paved parking and outdoor material storage yard. The site is being used a storage facility for cars, RVs, mobile homes, boats, trailers and trucks. As early as 1897 to 1903, the site was developed with a portion of a road. Between 1933 to 1947 the site was used fully as agricultural cropland. The first building was constructed on the site in 1947. The remainder of the existing buildings were constructed in 1956 (two buildings), 1959 (two buildings) and 2000 (one building). Past occupants of the Subject Property include ABC Windows Co. and Production Augers Inc., Bestile Manufacturing, AVR Express and Shamrock Paving (Stantec 2021).

The Phase I ESA identified the following recognized environmental concerns (RECs) relative to the Project site:

- The historical use of the site as an industrial facility from at least 1947 to the 2010s is considered a REC based on the likely use of hazardous materials at a time when such materials were not regulated.
- The unknown status of two solvent and one fuel oil underground storage tanks (USTs) on the site is considered a REC.
- The off-site Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, is considered a REC based on the identified tetrachloroethylene (PCE) and trichloroethylene (TCE) plume in both soil vapor and groundwater.

The Phase I ESA identified no evidence of Controlled RECs (CRECs) or historical RECs (HRECs) in connection with the Project site.

a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Impacts Associated with the Proposed Project

No New Impact. A hazardous material is defined as any material that, due to its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the environment. Hazardous materials include, but are not limited to, hazardous substances, hazardous wastes, and any material that regulatory agencies have a reasonable basis for believing would be injurious to the health and safety of persons or harmful to the environment if released into the home, workplace, or environment. Hazardous wastes require special handling and disposal because of their potential to damage public health and the environment. TOP 2050 SEIR determined that impacts related to hazardous waste transport, use, and/or disposal that would occur upon the buildout of TOP 2050 would be less than significant with adherence to the existing regulations.

Construction

Construction activities for the proposed Project would involve routine transport, use, and disposal of hazardous materials such as paints, solvents, oils, grease, and calking. In addition, routine hazardous materials would be used for fueling and serving construction equipment onsite. These types of hazardous materials routinely used during construction are not acutely hazardous, and all storage, handling, use, and disposal of these materials are regulated by existing state and federal laws that the Project is required to strictly adhere to. As a result, the routine transport, use or disposal of hazardous materials during construction activities for the proposed Project would be less than significant.

Operation

The proposed Project would operate two warehouse buildings. Depending on the type of business occupying the warehouses, operations could require the use of various types and quantities of hazardous materials, including lubricants, solvents, cleaning agents, wastes, paints and related wastes, petroleum, wastewater, batteries, (lead acid, nickel cadmium, nickel, iron, carbonate), scrap metal, and used tires. These hazardous materials would be used, stored, and disposed of in accordance with applicable regulations and standards (such as CFR, Title 49, Chapter I; CCR, Title 8; CFR, Title 40, Part 263) that are enforced by the USEPA, USDOT, CalEPA, CalOSHA, DTSC, and County of San Bernardino Environmental Health Division.

Under California Health and Safety Code Section 25531 et seq., CalEPA requires businesses operating with a regulated substance that exceeds a specified threshold quantity to register with a managing local agency, known as the Certified Unified Program Agency (CUPA). Additionally, businesses are required to provide workers with training on the safe use, handling, and storage of hazardous materials. Businesses are also required to maintain equipment and supplies for containing and cleaning up spills of hazardous materials that can be safely contained and cleaned by onsite workers and to immediately notify emergency response agencies in the event of a hazardous materials release that cannot be safely contained and cleaned up by onsite personnel. Therefore, compliance with existing laws and regulations governing hazards and hazardous materials would result in less than significant impacts related the routine transport, use, and disposal of the hazardous materials.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Impacts Associated with the Proposed Project

No New Impact. In February 2022, Stantec completed a Phase I Environmental Assessment (Phase I ESA) for the proposed Project (Appendix F). The 2021 Phase I ESA identified the following Recognized Environmental Conditions (RECs) related to the Project site:

- The historical use of the site as an industrial facility from at least 1947 to the 2010s is considered a REC based on the likely use of hazardous materials at a time when such materials were not regulated.
- The unknown status of two solvent and one fuel oil underground storage tanks (USTs) on the site is considered a REC.
- The off-site Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, is considered a REC based on the identified tetrachloroethylene (PCE) and trichloroethylene (TCE) plume in both soil vapor and groundwater.

The Phase I ESA did not identify Controlled RECs, Historical RECs, De Minimis Conditions or Business Environmental Risks (BER) related to the Project site.

Construction

As described previously, construction of the Project would involve the limited use and disposal of hazardous materials. Equipment that would be used in construction of the project has the potential to release gas, oils, greases, solvents, and spills of paint and other finishing substances. However, the amount of hazardous materials onsite would be limited, and construction activities would be required to adhere to all applicable regulations regarding hazardous materials storage and handling, as well as to implement construction BMPs (through implementation of a required SWPPP implemented by City conditions of approval, and included as RR HYD-1) to prevent a hazardous materials release and to promptly contain and clean up any spills, which would minimize the potential for harmful exposures. With compliance to existing laws and regulations, which is mandated by the City through construction permitting, the Project's construction-related impacts would be less than significant.

Accidental Releases. The routine use, storage, transport, and disposal of hazardous materials in accordance with applicable regulations during construction activities would not pose health risks or result in significant impacts. To avoid an impact related to an accidental release, the use of best management practices (BMPs) during construction are implemented as part of a SWPPP as required by the National Pollution Discharge Elimination System General Construction Permit (and included as RR HYD-1). Implementation of an SWPPP would minimize potential adverse effects to workers, the public, and the environment. Construction contract specifications would include strict on-site handling rules and BMPs that include, but are not limited to:

- Establishing a dedicated area for fuel storage and refueling and construction dewatering activities that includes secondary containment protection measures and spill control supplies;
- Following manufacturers' recommendations on the use, storage, and disposal of chemical products used in construction;
- Avoiding overtopping construction equipment fuel tanks;
- Properly containing and removing grease and oils during routine maintenance of equipment; and
- Properly disposing of discarded containers of fuels and other chemicals.

Operation

As described previously, operation of the proposed warehouse buildings includes use of limited hazardous materials, such as: cleaning agents, paints, pesticides, batteries, and aerosol cans. These types of hazardous materials are not acutely hazardous and regulated by existing laws that have been implemented to reduce risks related to the use of these substances. Should future uses of the building utilize or store substantial amounts or acute types of hazardous materials, both federal and state governments require all businesses that handle more than specified amounts of hazardous materials to submit a business plan to regulating agencies. With adherence of existing regulations, impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

c) Emit hazardous emissions or handle hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Impacts Associated with the Proposed Project

No New Impact. There are no schools within one quarter mile of the Project site. The closest schools to the Project site are listed below:

- Lincoln Elementary School, located 0.76-mile north
- De Anza Middle School, located 0.88-mile southwest
- Mt Zion Christian School, located 0.96-mile west
- Linda Vida Kindergarten School, located 0.97-mile southwest
- Euclid Elementary School, located 0.92-mile southwest
- Montessori School of Ontario, located 1.13-miles southwest

Furthermore, as noted in Sections 5.9(a) and 5.9(b), the proposed Project is not anticipated to release hazardous emissions or handle hazardous or acutely hazardous materials, substances, or wastes in significant quantities. Therefore, the proposed Project would not emit hazardous emissions or handle hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. As such, impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Impacts Associated with the Proposed Project

No New Impact. The Phase I ESA conducted for the Project site included a review of federal, state, and local regulatory databases to evaluate the Project site and known or suspected sites of environmental contamination pursuant to ASTM Standard E 1527-13.

The Site was identified on the RCRAGR09, RCRANGR09, HWTS, SBFD, HISTUST, FRSCA and ECHOR09 regulatory databases in the GeoSearch Radius Report (Stantec 2021). ABC Products was listed as an active small quantity generator of hazardous waste and Shamrock Paving was listed as a former generator of hazardous waste on the Site. Additionally, SC Fuels and Fleet RV & Boat Storage have generated hazardous waste through the County.

The HISTUST database listing identified a 4,000-gallon solvent UST (installation date unknown), a 2,000-gallon solvent UST (installed 1960) and a 500-gallon motor vehicle UST (installation date unknown) for the Site. The three tanks were identified as single-walled with no vaulting.

Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, was identified as having an active investigation for a tetrachloroethylene (PCE) release that has resulted in soil vapor and groundwater plumes of PCE and trichloroethene (TCE).

Due to the prolonged use of hazardous materials, including solvents, the hazardous waste generator licenses and USTs are considered RECs for the Project site. Stantec conducted a limited subsurface soil vapor screening assessment (Appendix H) to determine whether volatile organic compounds (VOCs) are present in the subsurface at concentrations of concern.

Soil vapor sampling activities were completed by Stantec on January 12 and 18, 2022. The assessment consisted of the advancement of ten soil vapor borings to approximately 5.5 feet bgs in areas of potential concern based on findings of the Phase I ESA. A total of ten soil vapor samples were collected for mobile laboratory analysis of VOCs via EPA Method 8260B. VOCs were not detected above laboratory reporting limits in any of the ten soil vapor samples collected (Stantec 2022).

Based on the results of the assessment, the historical uses at the site and surrounding area activities have not resulted in the release of contaminants to the subsurface above screening concentrations of concern, and no additional assessment or mitigation is necessary. Additionally, with adherence to existing federal and state regulations regarding the handling of hazardous materials, impacts related to former onsite uses would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

e) For a project within an airport land use plan, or where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

Impacts Associated with the Proposed Project

No New Impact. The Project site is Ontario located approximately 0.7 mile west of Ontario International Airport. The Project site is within the Airport Influence Area of the Ontario International Airport Land Use Compatibility Plan (ONTLUCP). The Project site is also within the ONTLUCP Safety Zone, Noise Impact Zone, Overflight Notification Zone, and Airspace Protection Zone. The Federal Aviation Administration (FAA) reviewed the Project and issued a Determination of No Hazard to Air Navigation for Building 1 on August 10, 2022, and for Building 2 on July 22, 2022. The FAA determined the Project would not exceed obstruction standards and would not be a hazard to air navigation provided the conditions of approval are met. The conditions of approval require that FAA Form 7460-2, Notice of Actual Construction or Alteration, be filed anytime the Project is abandoned of within five days after the construction reaches its greatest height. With implementation of these conditions of approval, listed below as RR HAZ-1, impacts related to an inconsistency with the ONTLUCP would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

f) Impair implementation of an adopted emergency response plan or emergency evacuation plan?

Impacts Associated with the Proposed Project

No New Impact.

Construction

The proposed construction activities, including equipment and supply staging and storage, would occur within the Project site, and would not restrict access of emergency vehicles to the Project site or adjacent areas. The installation of new driveways and connections to existing and proposed infrastructure systems that would be implemented during construction of the proposed Project would not require closure of Bon View Avenue, Ontario Boulevard, or California Street. Any temporary lane closures needed for utility expansion and connections, or driveway construction would be required to implement appropriate measures to facilitate vehicle circulation, as included within construction permits. Thus, implementation of the Project through the City's permitting process would ensure existing regulations are adhered to and would reduce potential construction related emergency access or evacuation impacts to a less than significant level.

Operation

Direct access to Building 1 would be provided from four driveways: two on Bon View Avenue and two on Ontario Boulevard. Direct access to Building 2 would be provided from on driveway on California Street. The Project driveways and internal circulation would be required to meet the City's design standards through the City's permitting procedures to ensure adequate emergency access and evacuation. The Project is also required to provide fire suppression facilities (e.g., hydrants and sprinklers). The Fire Department and Public Works Department would review the development plans as part of the permitting procedures to ensure adequate emergency access pursuant to the requirements in Section 503 of the California Fire Code (Title 24, California Code of Regulations, Part 9), included as Municipal Code Section 4-4.01. Therefore, operation of the proposed Project would not physically interfere with an adopted emergency response plan or emergency evacuation plan.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

Impacts Associated with the Proposed Project

No New Impact.

The Project site is not adjacent to any wildland areas. According to the CAL FIRE Fire Hazard Severity Zone map, the Project site is not within a State Responsibility Area (SRA) or within a Very High Fire Hazard Severity Zone (VHFHSZ) (CAL FIRE 2022). As a result, the Project would not expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires.

No new or substantially greater impacts would occur with implementation of the proposed Project when compared to those identified in TOP 2050 SEIR. Impacts from the proposed Project would be consistent with those identified in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding hazards and hazardous materials. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

RR HYD-1: Storm Water Pollution Prevention Plan. As listed in Section 5.10, *Hydrology and Water Quality*.

RR HAZ-1: FAA Notice. The Project Applicant/Developer shall submit FAA Form 7460-2, Notice of Actual Construction or Alteration, any time the project is abandoned or within five days after the construction reaches its greatest height (7460-2, Part 2).

Mitigation/Monitoring Required

No new impacts nor substantially more severe hazards and hazardous materials impacts would result from the Project; therefore, no new mitigation measures are required for hazards and hazardous materials.

5.10 HYDROLOGY AND WATER QUALITY	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	☐	☐	☐	☐	☒
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☐	☐	☒
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:					
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☐	☐	☒
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☐	☐	☒
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☐	☐	☒
iv) impede or redirect flood flows?	☐	☐	☐	☐	☒
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☐	☒
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☐	☐	☒

The discussion below is based on Preliminary WQMP prepared by the City of Ontario, dated August 30, 2022, provided as Appendix I and the Preliminary Hydrology Report prepared by Stantec, dated August 30, 2022, (Stantec 2022b) provided as Appendix J.

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to hydrology and water quality in Section 5.10. TOP 2050 SEIR identified less than significant impacts related to water quality from development activities associated with the project. TOP 2050 would continue policies of the 2010 General Plan to reduce pollutants from entering the City's stormwater system, and future development projects associated with TOP 2050 would be required to control pollutants in discharges of stormwater from post-construction activities through WQMP preparation and implementation. Therefore, water quality standards and waste discharge requirements would not be exceeded, and surface water and groundwater quality would not be degraded.

The City's groundwater supplies are from the Chino Groundwater Basin, which is adjudicated and is considered by the Department of Water Resources (DWR) to be a very low priority groundwater basin. Each water purveyor has an allotted amount of water that can be pumped from the basin so that the safe yield is not exceeded. The City has access to additional water supplies that can accommodate the proposed increase in growth with buildout of TOP and would not interfere with sustainable management of the groundwater basin. Therefore, TOP 2050 SEIR determined that with the implementation of City policies that promote low impact development (LID) and infiltration for new development projects and compliance with the Chino Basin Watermaster's safe yield restrictions, the potential for the project to substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin is considered less than significant.

TOP 2050 SEIR determined TOP 2050 would increase impervious surfaces but would not substantially increase the rate or amount of surface runoff in a manner which would impact water quality or cause flooding. Implementation of best management practices (BMPs) outlined in Storm Water Pollution Prevention Plans (SWPPP), erosion and sediment control plans, Water Quality Management Plans (WQMP), and TOP 2050 policies would address anticipated erosion and siltation impacts. Therefore, TOP 2050 would not result in substantial erosion or siltation on- or off-site. Additionally, TOP 2050 would reduce the potential for on- and off-site flooding during the operational phase of future development projects. Therefore, the project would not result in flooding on- or off-site. Because new development in the City would be required to prepare a hydrology study and drainage analysis in accordance with the San Bernardino County Hydrology Manual, no significant impacts related to surface runoff and capacity of storm drain systems would occur. The City requires that all new structures in a special flood hazard area have elevations above the base flood elevation. Therefore, with implementation of existing policies, the potential for TOP 2050 to impede or redirect flood flows is considered less than significant.

TOP 2050 SEIR identified less than significant impacts related to flood hazards, tsunamis, seiches, or dam inundation. Only small portions of the City are in the 100-year floodplain, adjacent to flood control channels, detention basins, and creeks. The western and southern portions of the City are in the dam inundation zone of San Antonio Dam. Additionally, there are several debris basins in the surrounding areas that impact the northern and eastern parts of the City. The probability of dam failure is very low, and Ontario has never been impacted by a major dam failure. In addition, dam owners are required to maintain emergency action plans that include procedures for damage assessment and emergency warnings. There are no large bodies of water that would result in a seiche during seismic activity. Additionally, the reservoirs/aboveground water tanks within the City are enclosed, thereby minimizing the possibility of a seiche. The project site is inland and approximately 30 miles from the ocean and is not at risk of flooding due to tsunamis. Therefore, impacts associated with the release of pollutants due to inundation would be less than significant.

Adherence to the State Construction General Permit (CGP), implementation of the SWPPP, and adherence to the City's Erosion and Sediment Control Plan requirements would ensure that surface and groundwater quality are not adversely impacted during construction. Projects approved under TOP 2050 would be required to comply with the Santa Ana River Basin Plan and to control pollutants in discharges of stormwater from postconstruction activities under National Pollution Discharge Elimination System (NPDES) Permit No. CAS618036 through preparation of a WQMP identifying BMPs for prevention of stormwater pollution during the post-construction phase, including site-design, source-control, and/or treatment BMPs. Therefore, the project would not obstruct or conflict with the Regional Water Quality Control Board's (RWQCB) Basin Plan or any groundwater management plan, and impacts would be less than significant. Therefore, the project would result in less than significant impacts related to consistency with a water quality control plan or sustainable groundwater management plan.

TOP 2050 SEIR Mitigation Measures:

None.

a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?

Impacts Associated with the Proposed Project

No New Impact.

Construction

Construction of the Project would require grading and excavation of soils, which would loosen sediment, and then have the potential to mix with surface water runoff and degrade water quality. Pollutants of concern during Project construction include sediments, trash, petroleum products, concrete waste (dry and wet), sanitary waste, and chemicals. During construction activities, excavated soil would be exposed, and there would be an increased potential for soil erosion and transport of sediment downstream compared to existing conditions. During a storm event, soil erosion could occur at an accelerated rate. In addition, construction-related pollutants, such as chemicals, liquid and petroleum products (e.g., paints, solvents, and fuels), and concrete-related waste, could be spilled, leaked, or transported via stormwater runoff into adjacent drainages and into downstream receiving waters.

These types of water quality impacts during construction of the Project would be prevented through implementation of a SWPPP, which is required to identify all potential sources of pollution that are reasonably expected to affect the quality of storm water discharges from the construction site (see RR HYD-1 and RR HYD-4). Construction of the Project would disturb more than one acre of soil; therefore, the proposed project would be required to obtain coverage under the NPDES General Permit for Discharges of Storm Water Associated with Construction Activity (see RR HYD-2). Construction activity subject to this permit includes clearing, grading, and ground disturbances such as trenching, stockpiling, or excavation. The Construction General Permit requires implementation of a SWPPP that is required to identify all potential sources of pollution that are reasonably expected to affect the quality of storm water discharges from the construction site. The SWPPP would generally contain a site map showing the construction perimeter, proposed buildings, stormwater collection and discharge points, general pre- and post-construction topography, drainage patterns across the site, and adjacent roadways. The SWPPP would also include construction BMPs. The SWPPP would include construction BMPs such as:

- Prompt revegetation of proposed landscaped/grassed swale areas;
- Perimeter gravel bags or silt fences to prevent off-site transport of sediment;
- Storm drain inlet protection (filter fabric gravel bags and straw wattles), with gravel bag check dams within paved roadways;
- Regular sprinkling of exposed soils to control dust during construction and soil binders for forecasted wind storms;
- Specifications for construction waste handling and disposal;
- Contained equipment wash-out and vehicle maintenance areas;
- Erosion control measures including soil binders, hydro mulch, geotextiles, and hydro seeding of disturbed areas ahead of forecasted storms;
- Construction of stabilized construction entry/exits to prevent trucks from tracking sediment on City roadways;
- Construction timing to minimize soil exposure to storm events; and
- Training of subcontractors on general site housekeeping.

With adherence to the existing requirements and implementation of the appropriate BMPs as ensured through the City's construction permitting process, which would ensure that the Project would not violate any water quality standards or waste discharge requirements, potential water quality degradation associated with construction activities would be minimized, and impacts would be less than significant.

Operation

The Project includes the operation of two warehouse building, which would introduce the potential for pollutants such as chemicals from cleaners, pesticides and sediment from landscaping, trash and debris, and oil and grease from vehicles and trucks. These pollutants could potentially discharge into surface waters and result in degradation of water quality. However, the Project would be required to incorporate a WQMP with post-construction (or permanent) Low Impact Development (LID) site design, source control, and treatment control BMPs (see RR HYD-3). The LID site design would minimize impervious surfaces and provide infiltration of runoff into landscaped areas.

The source control BMPs would minimize the introduction of pollutants that may result in water quality impacts; and treatment control BMPs that would treat stormwater runoff. The Project would install an onsite storm drain system that would convey runoff to infiltration-based underground storm detention chambers. Under proposed conditions the site would be 12 percent pervious.

With implementation of the operational source and treatment control BMPs that are outlined in the Preliminary WQMP prepared for the Project (Appendix I) that would be reviewed and approved by the City during the permitting and approval process, potential pollutants would be reduced to the maximum extent feasible, and implementation of the Project would not substantially degrade water quality. Therefore, impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined impacts related to groundwater supplies would be less than significant with implementation of City policies that promote LID and infiltration for new development projects and compliance with the Chino Basin Watermaster's safe yield restrictions.

The proposed Project would not deplete groundwater supplies. The City currently draws all of its groundwater supply from the Chino Groundwater Basin (Chino Basin) (UWMP 2020). Pursuant to the Sustainable Groundwater Management Act of 2014 (SGMA), the Chino Basin was named as an adjudicated groundwater basin and is exempt from the requirements of developing a Groundwater Sustainability Plan (GSP) and subsequently was designated a very-low priority basin in Department of Water Resources (DWR) 2019 SGMA Basin Prioritization report. Based on the adjudication provisions in the Chino Basin, the City is able to produce groundwater without limitation, provided any amount produced in excess of the production rights is replenished (UWMP 2020). Because the Project would not pump water from the Project area (as water supplies would be provided by the Ontario Municipal Utilities Company [OMUC]), the proposed Project would not result in a substantial depletion of groundwater supplies.

The Project site is fully developed and is not meaningfully contributing to groundwater recharge. The Project would redevelop the site with a similar amount of impervious area, which would not substantially change groundwater recharge in a manner that will impede management of the basin.

Impacts would be less than significant with compliance with regulatory requirement as identified above, and no mitigation is required. As a result, the Project would not decrease groundwater supplies or interfere substantially with groundwater recharge; and the Project would not impede sustainable groundwater management of the basin. Thus, the Project would have a less than significant impact.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

c) Substantially alter the existing drainage pattern or the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i. Result in substantial erosion or siltation on- or off-site?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that impacts related to runoff increases would be less than significant.

Construction
As described previously, existing City regulations require the Project to implement a SWPPP during construction activities, which would outline erosion control BMPs, such as silt fencing, fiber rolls, or gravel bags, stabilized construction entrance/exit, hydroseeding, that would be implemented during construction to reduce the potential for siltation or erosion. With adherence to the existing requirements and implementation of the appropriate BMPs as ensured through the City's construction permitting process, potential erosion and siltation onsite or offsite associated with construction activities would be minimized, and impacts would be less than significant.

Operation
Under proposed conditions the site would be 12 percent pervious. The pervious surfaces remaining on the site would be landscaped and would not generate soils that could erode. There would be no substantial areas of bare or disturbed soil onsite subject to erosion. In addition, the proposed drainage infrastructure would slow and retain stormwater, which would also limit the potential for erosion or siltation. Finally, the Project is required by the City to implement a WQMP that would provide operational BMPs to ensure that operation of the warehouse buildings would not result in erosion or siltation. As a result, stormwater runoff and the potential for erosion and siltation would not increase with implementation of the Project. With implementation of these regulations, impacts related to erosion or siltation onsite or off-site would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

ii. Substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that impacts related to runoff increases would be less than significant.

As discussed in Section 5.10 (c) above, during construction, a SWPPP would be implemented to control drainage and maintain drainage patterns across the Project. Also, as discussed in the Preliminary WQMP prepared for the Project (see Appendix I), drainage runoff from the Project site would be adequately handled by the Project's drainage system. The Project would include onsite storm drain lines to convey onsite runoff to storage chambers to provide the appropriate design capture volume, and the Project would not result in flooding on- or off-site. Therefore, impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

iii. **Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?**

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that impacts related to runoff increases would be less than significant. See response to Section 5.10(c)(ii), above.

Site design BMPs would minimize the impacts associated with impervious surfaces. Existing regulations require an onsite storm drain system that would accommodate 2-year, 24-hour flows, in accordance with the San Bernardino County MS4 Permit. Redevelopment of the Project site would not create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

iv. **Impede or redirect flood flows?**

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that impacts related to flood flows would be less than significant.

According to FEMA's FIRM Flood Map 06071C8617J, and TOP Figure S-03, Flood Hazard Zone, the Project site is not within a flood hazard zone. Therefore, the Project would not impede or redirect flood flows and impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR identified less than significant impacts related to flood hazards, tsunamis, seiches, or dam inundation.

As discussed in Response 5.10 (c)(iv), the Project site is not within a flood hazard area. Additionally, proper storage requirements for hazardous materials, such as fuels and oils, would be followed in order to limit the risk of release of pollutants due to site inundation. Therefore, implementation of the Project would not risk the release of pollutants due to inundation in a flood hazard zone. Further, the Project site is located over 30 miles inland from the Pacific Ocean and is not located within a tsunami zone. Thus, impacts related to tsunamis would not occur.

A seiche is the sloshing of a closed body of water from earthquake shaking. Seiches are of concern relative to water storage facilities because inundation from a seiche can occur if the wave overflows a containment wall, such as the wall of a reservoir, water storage tank, dam, or other artificial body of water. However, there is no large body of water upstream of the site that may be subject to seiche and that could result in potential flooding on the Project site. Therefore, impacts related to seiche would not occur.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined impacts related to conflict/obstruction of a water quality control plan or sustainable groundwater management plan would be less than significant.

As described previously, the Project would be required to have an approved SWPPP, which would include construction BMPs to minimize the potential for construction related sources of pollution. For operations, the Project would be required to implement source control BMPs to minimize the introduction of pollutants; and treatment control BMPs to treat runoff. With implementation of the operational source and treatment control BMPs that would be required by the City during the permitting and approval process, potential pollutants would be reduced to the maximum extent feasible, and implementation of the Project would not obstruct implementation of a water quality control plan.

There are no groundwater wells on the Project site, and no wells are proposed as part of the Project. As discussed in Checklist Response threshold 5.10(a), the Project would not involve direct withdrawals of groundwater, nor would it interfere with groundwater recharge such that it would result in a net deficit in aquifer volume or lowering of the local groundwater table levels. The Project site is within the Chino Groundwater Basin which is adjudicated and is considered by DWR to be a very low priority groundwater basin (UWMP 2020). Each water purveyor has an allotted amount of water that can be pumped from the basin so that the safe yield is not exceeded. Because pumping in the groundwater basin is managed, which limits the allowable withdrawal of water from the basin by water purveyors, and the Project does not involve groundwater pumping (as water supplies would be provided by the OMUC), impacts would be less than significant. As detailed in Section 5.19(b), *Utilities and Service Systems*, and as anticipated in TOP 2050 SEIR, the demand for water supplies is expected to be met by the City's available water supply. Additionally, according to the City's 2020 Urban Water Management Plan, increased demands from further development in the City are expected to be met by projected water supplies. Overall, the Project would not conflict with or obstruct a water quality control plan or sustainable groundwater management plan, and no impacts would occur.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding hydrology and water quality. There have not been 1) changes related to the development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

RR HYD-1 Storm Water Pollution Prevention Plan. Prior to the issuance of any grading or building permits, the Project Applicant shall prepare a Storm Water Pollution Prevention Plan (SWPPP) utilizing the model form contained in Appendix B of the 2013 CASQA Stormwater Best Management Practices (BMP) Handbook for Construction, and submit a copy of the plan to the City of Ontario Engineering Department for review and approval. A copy of the approved SWPPP shall be maintained in the construction site office at all times during construction, and the Site Superintendent shall use the plan to train all construction site contractors and supervisory personnel in construction site BMP, prior to commencing work on the site.

RR HYD-2 General Waste Discharge Requirements. Prior to the issuance of any grading or building permits, the Project Applicant is required to obtain coverage under the State Water Resources Control Board (SWRCB) General Permit for Storm Water Discharges Associated with Construction Activity. Proof of filing a Notice of Intent (NOI) with the SWRCB for coverage under this permit is required prior to Grading Plan approval and issuance of a grading permit. The Applicant shall submit a copy of the Waste Dischargers Identification Number (WDID) for coverage under the General Construction Permit to the Engineering Department.

RR HYD-3 Water Quality Management Plan. Prior to Grading Plan approval and the issuance of a grading permit, a completed Water Quality Management Plan (WQMP) shall be submitted to, and approved by, the Engineering Department. The WQMP shall be submitted on the San Bernardino County Stormwater Program's model form, and shall identify all Post Construction, Site Design, Source Control, and Treatment Control Best Management Practices (BMPs), that will be incorporated into the Project, in order to minimize the adverse effects on receiving waters.

RR HYD-4 Grading and Erosion Control Plans. Prior to Grading Plan approval and the issuance of a grading permit, an Erosion and Sediment Control Plan shall be submitted to, and approved by, the Engineering Department. The Erosion and Sediment Control Plan shall specifically identify the Best Management Practices (BMPs) that will be implemented on the Project during construction, to reduce the discharge of sediment and other pollutants into the City's storm drain system.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe hydrology and water quality impacts would result from implementation of the Project; therefore, no new or revised mitigation measures are required for hydrology and water quality.

5.11 LAND USE AND PLANNING	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Physically divide an established community?	☐	☐	☐	☐	☒
b) Cause a significant environmental impact due to conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☐	☒

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to land use in section 5.11. TOP 2050 SEIR found that the project's land use plan would not divide an established community and would not conflict with an applicable plan adopted for the purpose of avoiding or mitigation an environmental effect. Overall, TOP 2050 SEIR determined impacts related to land use would be less than significant.

TOP 2050 SEIR Mitigation Measures:

None.

a) Physically divide an established community?

Impacts Associated with the Proposed Project

No New Impact. As stated previously, the Project site is currently developed with an RV boat and storage facility and associated parking/storage lot. The Project would develop the site with a two new warehouse buildings and associated infrastructure. No residential uses currently occur on the site that would be impacted or divided by development of the Project.

The Project site is surrounded by commercial and industrial uses to the north, south, east, and west. The Project would be compatible with the adjacent uses. Therefore, the Project would not divide or disrupt the physical arrangement of the existing adjacent uses and would serve as an extension of the existing commercial/industrial area. Furthermore, access to the site would be provided by driveways off an existing roadway (Imperial Highway). Thus, impacts related to physically dividing an established community would not occur from the Project.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Impacts Associated with the Proposed Project

No New Impact. The documents regulating land use for the Project site and immediate vicinity are the City's Policy Plan (General Plan), the Ontario Municipal Code, SCAG's RTP/SCS and the Ontario ALUCP. The proposed Project's relationship to these planning documents is described below.

Policy Plan
The City's Policy Plan serves as the General Plan. The Policy Plan states long-term goals, principles, and policies for achieving Ontario's Vision. It guides growth and development to achieve optimum results from the City's physical, economic, environmental, and human resources. The Policy Plan consists of nine elements including Land Use, Housing, Parks & Recreation, Environmental Resources, Community Economics, Safety Mobility, Community Design, and Social Resources. An evaluation of the Project's consistency with applicable goals and policies of the General Plan is provide in Table LU-1.

Table LU-1: Project Consistency with Policy Plan

Policy Plan Goals and Policies	Project Consistency
Land Use Element	
Policy LU 1.3: Adequate Capacity. We require adequate infrastructure and services for all development.	**Consistent.** As discussed throughout this document, the proposed Project would be adequately served by existing infrastructure within the Project site vicinity.
Policy LU-1.5 Jobs-Housing Balance. We coordinate land use, infrastructure, and transportation planning and analysis with regional, county, and other local agencies to further regional and subregional goals for jobs-housing balance.	**Consistent.** The Project would contribute to the jobs-housing balance by providing new high quality industrial jobs in the City. As described in Section 5.14, *Population and Housing*, operation of the proposed Project is estimated to require a permanent workforce of approximately 199 employees.
Policy LU-2.1 Land Use Decisions. We minimize adverse impacts on adjacent properties when considering land use and zoning requests.	**Not Applicable.** The proposed Project does not include a land use or zone change.
Policy LU-2.3 Hazardous Uses. We regulate the development of industrial and similar uses that use, store, produce, or transport toxic substances, air emissions, other pollutants, or hazardous materials. **Policy LU-2.4 Regulation of Nuisances.** We regulate the location, concentration, and operation of potential nuisances. **Policy LU-2.5 Regulation of Uses.** We regulate the location, concentration, and operation of uses that have impacts on surrounding land uses.	**Consistent.** The Project would be consistent with the development standards for the General Industrial (IG) designation, as currently zoned.
Policy LU-2.6 Infrastructure Compatibility. We require infrastructure to be aesthetically pleasing and in context with the community character.	**Consistent.** As shown on Table AES-1, the proposed Project would be consistent with the development standards for the General Industrial (IG) zoning designation
Policy LU-5.7 ALUCP Consistency with Land Use Regulations. We comply with state law that requires general plans, specific plans, and all new development to be consistent with the policies and	**Consistent.** As discussed in Section 5.9, *Hazards and Hazardous Materials*, he proposed Project would comply with the ONT ALUCP.

criteria set forth within an Airport Land Use Compatibility Plan for any public-use airport.	
Environmental Resources Element	
Policy ER-1.6 Urban Run-off Quantity. We encourage the use of low impact development strategies, including green infrastructure, to intercept run-off, slow the discharge rate, increase infiltration, and ultimately reduce discharge volumes to traditional storm drain systems.	**Consistent.** As discussed in Section 5.10, *Hydrology and Water Quality*, the Project would be required to incorporate a WQMP with post-construction (or permanent) Low Impact Development (LID) site design, source control, and treatment control BMPs (see RR HYD-3). The LID site design would minimize impervious surfaces and provide infiltration of runoff into landscaped areas.
Policy ER-1.7 Urban Run-off Quality. We require the control and management of urban run-off, consistent with Regional Water Quality Control Board regulations.	**Consistent.** As discussed in Section 5.10, *Hydrology and Water Quality*, the Project would comply with applicable NPDES permit requirements, and development of a SWPPP, to ensure Project construction would not result in impacts related to stormwater runoff. The Project would be required to incorporate a WQMP with post-construction (or permanent) LID site design, source control, and treatment control BMPs. The LID site design would minimize impervious surfaces and provide infiltration of runoff into landscaped areas.
Policy ER-1.8 Wastewater Management. We require the management of wastewater discharge and collection consistent with waste discharge requirements adopted by the Regional Water Quality Control Board.	**Consistent.** The Project would extend the existing 8-inch sewer line located in Bon View Avenue north to Ontario Boulevard. Building 1 would install new onsite sewer lines that connect to the extended 8-inch sewer line in Bon View Avenue. Building 2 would install new onsite sewer lines that connect to the existing 8-inch sewer line in California Street. Installation of the onsite sewer infrastructure is part of construction of the proposed Project would not result in any physical environmental effects beyond those described throughout this document.
Policy ER-2.1 Waste Diversion. We shall meet or exceed AB 939 requirements.	**Consistent.** As discussed in Section 5.19, *Utilities and Service Systems*, the proposed Project would be consistent with County Solid Waste and State requirements for waste reduction.
Policy ER-3.3 Building and Site Design. We require new construction to incorporate energy efficient building and site design strategies, which could include appropriate solar orientation, maximum use of natural daylight, passive solar, and natural ventilation.	**Consistent.** As discussed throughout this document, the proposed Project would be required to comply with California Title 24 Building Energy Efficiency Standards which are designed to ensure new and existing buildings achieve energy efficiency and preserve outdoor and indoor environmental quality
Policy ER-4.3 Greenhouse Gases (GHG) Emissions Reductions. We will reduce GHG emissions in accordance with regional, state, and federal regulations.	**Consistent.** GHG Emissions generated by construction and operation of the proposed Project would not exceed SCAQMD thresholds, and the Project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

Policy ER-4.6 Particulate Matter. We support efforts to reduce particulate matter to meet State and Federal Clean Air Standards.	**Consistent.** Air emissions from construction and operation of the Project would be below SCAQMD emissions thresholds and would not result in an increase in the frequency or severity of existing air quality violations or cause a new violation.
Policy ER-4.8 Tree Planting. We protect healthy trees within the City and plant new trees to increase carbon sequestration and help the regional/local air quality. We expand the tree canopy in environmental justice areas to enhance air quality and reduce the "heat island" effect.	**Consistent.** The Project site contains ornamental shrubs and trees. Should the proposed Project result in the removal or planting of trees, it would be required to comply with Municipal Code Article 10, Chapter 2 (RR BIO-2).
Policy ER-4.9 New Localized Air Pollution Sources Near Existing Sensitive Receptors. We require new developments to conduct a Health Risk Assessment for land uses that generate more than 100 trucks per day or 40 trucks per day by trucks operating transportation refrigeration units (TRU's) within 1,000 feet from sensitive land uses (California Health and Safety Code § 42705.5(a)(5)). If the health risk assessment determines the new development poses health hazards that increase the incremental cancer risk above the threshold established by the South Coast Air Quality Management District (AQMD), we will only approve permits upon the condition that adequate mitigation measures are proposed and implemented for potential impacts on the sensitive uses around the site and along the route within Ontario taken by the trucks to and from freeways. We require new developments that must perform a health risk assessment to conduct additional public outreach by sending notifications in multiple languages to all residents living within 500 feet, and encourage hosting a public meeting.	**Consistent.** As discussed in Section 5.3, *Air Quality*, the proposed Project includes a construction and operational Health Risk Assessment which found the Project would not create a significant health hazard to nearby sensitive uses.
Policy ER-5.2 Entitlement and Permitting Process. We comply with state and federal regulations regarding protected species.	**Consistent.** As discussed in Section 5.4, *Biological Resources*, the proposed Project would not have an impact any protected plant or wildlife species.
Community Economics Element	
Policy CE-1.1 Jobs-Housing Balance. We pursue improvement to the Inland Empire's balance between jobs and housing by promoting job growth that reduces the regional economy's reliance on out-commuting. **CE-1.2 Jobs and Workforce Skills.** We use our economic development resources to: 1. attract jobs suited for the skills and education of current and future City residents;	**Consistent.** The Project would contribute positively to the jobs-housing balance by providing new high quality industrial jobs in the City. As described in Section 5.14, *Population and Housing*, operation of the proposed Project is estimated to require a permanent workforce of approximately 199 employees.

2. work with regional partners to provide opportunities for the labor force to improve its skills and education; and 3. attract businesses that increase Ontario's stake and participation in growing sectors of the regional and global economy.	
Policy CE-2.1 Development Projects. We require new development and redevelopment to create unique, high-quality places that add value to the community. (Link to Community Design Element) **Policy CE-2.2 Development Review.** We require those proposing new development and redevelopment to demonstrate how their projects will create appropriately unique, functional, and sustainable places that will compete well with their competition within the region. **Policy CE-2.4 Protection of Investment.** We require that new development and redevelopment protect existing investment by providing architecture and urban design of equal or greater quality. **Policy CE-2.5 Private Maintenance.** We require adequate maintenance, upkeep, and investment in private property because proper maintenance on private property protects property values.	**Consistent.** As shown in Figures 3-2a-b, *Elevations*, both buildings would establish an architectural presence through an emphasis on building finish materials and consistent material usage and color scheme. The buildings would be white and shades of grey with highlights of indigo blue. The use of landscaping, building layout, finish materials, and accenting on the Project site would create a quality architectural presence along the Ontario Boulevard, Bon View Avenue, and California Street frontages.
Safety Element	
Policy S-1.2 Entitlement and Permitting Process. We follow state guidelines and the California Building Code to determine when development proposals must conduct geotechnical and geological investigations.	**Consistent.** As discussed throughout this document, the Project would comply with the CBC.
Policy S-2.1 Entitlement and Permitting Process. We require hydrological studies prepared by a state-certified engineer when new development is located in a 100-year or 500-year floodplain to assess the impact that the new development will have on the flooding potential of existing development down-gradient. **Policy S-2.2 Floodplain Mapping.** We require any new development partially or entirely in 100-year flood zones to provide detailed floodplain mapping for 100- and 200-year storm events as part of the development approval process. **Policy S-2.3 Facilities that Use Hazardous Materials.** We comply with state and federal law and do not permit facilities using, storing, or otherwise involved with substantial quantities of onsite hazardous materials to be located in the 100-year flood zone or 500-year flood zone unless	**Not Applicable.** As discussed in Section 5.10, *Hydrology and Water Quality*, the Project site is not within a 100-year or 500-year flood zone.

all standards of elevation, floodproofing, and storage have been implemented to the satisfaction of the Building Department.	
Policy S-2.5 Stormwater Management. We maintain the storm drain system to convey a 100-year storm, when feasible, and encourage environmental site design practices to minimize flooding and increase groundwater recharge, including natural drainage, green infrastructure, and permeable ground surfaces.	**Consistent.** As discussed in Section 5.10, *Hydrology and Water Quality*, the Project would be required to incorporate a WQMP with post-construction (or permanent) Low Impact Development (LID) site design, source control, and treatment control BMPs (see RR HYD-3). The LID site design would minimize impervious surfaces and provide infiltration of runoff into landscaped areas.
Policy S-3.1 Prevention Services. We proactively mitigate or reduce the negative effects of fire, hazardous materials release, and structural collapse by implementing the regularly adopted California Fire Code and California Building Code. **Policy S-3.8 Fire Prevention through Environmental Design.** We require new development to incorporate fire prevention consideration in the design of streetscapes, sites, open spaces, and buildings.	**Consistent.** As part of the permitting process, the Project plans would be reviewed by the City's Fire Department and the Building Department to ensure that the Project plans meet the fire protection requirements. Additionally, the proposed facility would be required to comply with City fire suppression standards including current CBC and would provide adequate fire access.
Policy S-4.1 Noise Mitigation. We utilize the City's Noise Ordinance, building codes, and subdivision and development codes to mitigate noise impacts.	**Consistent.** As discussed in Section 5.13, *Noise*, the proposed Project would result in less than significant impacts related to noise. Therefore, the Project would not require noise mitigation.
Policy S-4.6 Airport Noise Compatibility. We utilize information from Airport Land Use Compatibility Plans to prevent the construction of new noise-sensitive land uses within airport noise impact zones.	**Consistent.** As discussed in Section 5.9, *Hazards and Hazardous Materials*, the Federal Aviation Administration (FAA) reviewed the Project and issued a Determination of No Hazard to Air Navigation for Building 1 on August 10, 2022, and for Building 2 on July 22, 2022. The FAA determined the Project would not exceed obstruction standards and would not be a hazard to air navigation provided the conditions of approval are met. The conditions of approval require that FAA Form 7460-2, Notice of Actual Construction or Alteration, be filed anytime the Project is abandoned of within five days after the construction reaches its greatest height.
Policy S-5.1 Dust Control Measures. We require the implementation of Best Management Practices for dust control at all excavation and grading projects.	**Consistent.** The proposed Project would include a SWPPP (RR HYD-1) which includes BMPs that require dust control through regular sprinkling of exposed soils to control dust during construction and soil binders for forecasted wind storms.
Policy S-6.4 Safe Storage and Maintenance Practices. We require that the users of hazardous	**Consistent.** While the future tenants of the warehouse buildings are unknown, under California Health and Safety Code Section 25531 et seq., CalEPA requires businesses operating with a

materials be adequately prepared to prevent and mitigate hazardous materials releases.	regulated substance that exceeds a specified threshold quantity to register with a managing local agency, known as the Certified Unified Program Agency (CUPA). Additionally, businesses are required to provide workers with training on the safe use, handling, and storage of hazardous materials. Businesses are also required to maintain equipment and supplies for containing and cleaning up spills of hazardous materials that can be safely contained and cleaned by onsite workers and to immediately notify emergency response agencies in the event of a hazardous materials release that cannot be safely contained and cleaned up by onsite personnel. Compliance with existing laws and regulations governing hazard and hazardous materials would ensure safe storage of hazardous materials.
Policy S-7.4 Crime Prevention through Environmental Design (CPTED). We require new development to incorporate CPTED in the design of streetscapes, sites, open spaces, and buildings.	**Consistent.** The Project would incorporate multiple crime prevention strategies. As shown on Figure 3-1, the Project would provide security gates in order to limit access to truck loading areas and would provide security lighting throughout the site and along the Bon View, Ontario Boulevard and California Street frontage. Furthermore, Project plans would be reviewed by the Ontario Police Department to ensure that proper measures are incorporated into the Project design.
Mobility Element	
Policy M-1.2 Mitigation of Impacts. We require development to mitigate its traffic impacts.	**Consistent.** As discussed in Section 5.17, *Transportation*, the proposed Project would include Project Design Features to mitigate its VMT impacts.
Policy M-1.5 Level of Service. Maintain a peak hour Level of Service (LOS) E or better at all intersections. Maintain Level of Service D or better on arterial streets in the City. Develop and maintain a list of locations where LOS E or LOS F are considered acceptable and would be exempt from this level of service policy. Considerations for LOS exemption include being restricted by environmental constraints, lacking available right-of-way, deterring an increase in VMT, or degrading other modes of travel (such as bicycle or pedestrian infrastructure).	**Consistent.** As discussed in Section 5.17, *Transportation*, the Project would not result in impacts related to traffic level of service.
Policy M-1.6 Reduce Vehicle Miles Traveled. We will strive to reduce VMT through a combination of land use, transportation projects, travel demand management strategies, and other trip reduction measures in coordination with development projects and public capital improvement projects.	**Consistent.** As discussed in Section 5.17, *Transportation*, the proposed Project would include measures to reduce VMT to a less than significant level.

Community Design Element	
Policy CD-2.1 Quality Building Design and Architecture. We encourage all development projects to convey visual interest and character through: 1. Building volume, massing, and height to provide context-appropriate scale and proportion; 2. A true architectural style which is carried out in plan, section, and elevation through all aspects of the building and site design and appropriate for its setting; and 3. Exterior building materials that are articulated, high quality, durable, and appropriate for the architectural style.	**Consistent.** The proposed warehouse buildings have been designed to convey visual interest and character. Both buildings would establish an architectural presence through an emphasis on building finish materials and consistent material usage and color scheme. The buildings would be white and shades of grey with highlights of indigo blue. The use of landscaping, building layout, finish materials, and accenting on the Project site would create a quality architectural presence along the Ontario Boulevard, Bon View Avenue, and California Street frontages.
Policy CD-2.9 Landscape Design. We encourage durable, sustainable, and drought-tolerant landscaping materials and designs that enhance the aesthetics of structures, create and define public and private spaces, and provide shade and environmental benefits.	**Consistent.** The proposed Project would include drought-tolerant landscaping materials along the property line and adjacent to the proposed buildings. The layering of landscaping between the proposed building and the surrounding roadways would provide visual depth and distance between the roadways and proposed structure. Landscaping would be complimentary to the surrounding community character.

Ontario Municipal Code/Development Code
The Project site has a zoning designation of General Industrial (IG). According to Division 5.01 of the Ontario Development Code, the IG zone is intended to accommodate a wide range of manufacturing and assembly activities, storage and warehousing activities, and other similar uses developed at a maximum FAR of 0.55. As detailed previously in Table AES-1, the proposed Project would be consistent with the development standards for the IG zoning district. Thus, the proposed Project would not conflict with any applicable zoning regulations adopted for the purpose of avoiding or mitigating an environmental effect. No impacts would occur.

Regional Transportation Plan/Sustainable Communities Strategy
SCAG's RTP/SCS identifies that land use strategies that focus on new housing and job growth in areas served by high quality transit and other opportunity areas would be consistent with a land use development pattern that supports and complements the proposed transportation network. The core vision in the 2020–2045 RTP/SCS is to better manage the existing transportation system through design management strategies, integrate land use decisions and technological advancements, create complete streets that are safe to all roadway users, preserve the transportation system, and expand transit and foster development in transit-oriented communities. The Project would be required to comply with the goals and policies of SCAG's Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). As shown in Table LU-2, the proposed Project would be consistent with the goals and policies of the plan. As such, no impact related to regional plan inconsistency would occur.

Table LU-2: RTP/SCS Consistency

RTP/SCS Policy	Proposed Project Consistency with Policy
RTP/SCS G1: Encourage regional economic prosperity and global competitiveness.	**Consistent.** The Project would include development of an industrial site that would benefit regional

	economics by providing increased employment and providing additional goods and services. As an individual development, the Project is limited in its ability to directly contribute to regional economic prosperity and global competitiveness.
RTP/SCS G2: Improve mobility, accessibility, reliability, and travel safety for people ang goods.	**Consistent.** As an individual development, the Project is limited in its ability to maximize mobility and access for people and goods in the SCAG region. However, the Project would not create substantial traffic impediments that would affect the accessibility of goods in the region and it would provide added mobility in the immediate vicinity of the Project through the incorporation of sidewalks.
RTP/SCS G3: Ensure the preservation, security, and resilience of the regional transportation system.	**Not Applicable.** As an individual development, the Project is limited in its ability to ensure security and resilience of the regional transportation system. There are no components of the Project that would result in the deterioration of the transportation system.
RTP/SCS G4: Increase person and goods movement and travel choices within the transportation system.	**Not Applicable.** As an individual development, the Project is limited in its ability to maximize the goods movement and travel choices within the SCAG region. The Project would not create substantial traffic impediments and would not affect the accessibility of goods to the surrounding area. The Project would support the overall distribution and movements of goods in the region.
RTP/SCS G5. Reduce greenhouse gas emissions and improve air quality.	**Consistent.** While the Project would not improve air quality or reduce greenhouse gas emissions, it would not prevent SCAG from implementing actions that would improve air quality within the region and the Project would incorporate various measures related to building design, landscaping, and energy systems to promote the efficient use of energy, pursuant to Title 24 CALGreen Code and Building Energy Efficiency Standards and Consistent with Policy NR-1.9.
RTP/SCS G6: Support healthy and equitable communities.	**Consistent.** The Project would comply with Citywide goal and policies to support healthy and equitable communities. Additionally, the Project would construct frontage improvements, including sidewalks, which would encourage walking in the Project area.
RTP/SCS G7: Adapt to a changing climate and support an integrated regional development pattern and transportation network.	**Consistent.** This policy would be implemented by cities and the counties within the SCAG region as part of their overall planning efforts; the Project however is consistent with industrial use planned for the area.
RTP/SCS G8: Leverage new transportation technologies and data-driven solutions that result in more efficient travel.	**Not Applicable.** This policy would be implemented by cities and the counties within the SCAG region as part of the overall planning and maintenance of the

	regional transportation system. The Project would not conflict with this goal.
RTP/SCS G9: Encourage development of diverse housing types in areas that are supported by multiple transportation options.	**Not Applicable.** The proposed Project would develop a truck terminal in an area that is designated and zoned for industrial development.
RTP/SCS G10: Promote conservation of natural and agricultural lands and restoration of habitats.	**Consistent.** The proposed Project would be consistent with goals and policies of the City's General Plan and would not cause significant environmental impacts to agricultural lands or biological resources.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding land use and planning. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

None.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe land use and planning impacts would result from implementation of the Project; therefore, no new or revised mitigation measures are required regarding land use and planning.

5.12 MINERAL RESOURCES	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☐	☒

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to mineral resources in Section 5.12. TOP 2050 SEIR concluded that the project would not result in the loss of availability of a known mineral resource due to existing regulations and land uses. Upon implementation of regulatory requirements and standard conditions of approval, impacts of the project were determined to be less than significant.

TOP 2050 SEIR Mitigation Measures:

None.

a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

Impacts Associated with the Proposed Project

No New Impact. According to TOP 2050 SEIR, the Project site is identified as within Mineral Resource Zone (MRZ) 3 which is defined as an area where the significance of mineral deposits is unknown. The Project site has a land use designation of Industrial (IND) and is planned for general industrial uses. Furthermore, the Project site is currently developed with an RV and boat storage facility and associated parking lot and has not recently been used for mineral extractions. Thus, there are no available mineral resources that would be affected by the Project, and impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on the general plan, specific plan or other land use plan?

Impacts Associated with the Proposed Project

No New Impact. As discussed above, no known valuable mineral resources exist on or near the Project site, and no mineral resource extraction activities occur on the site. The Project site is developed with an RV boat

and storage facility and associated paved parking lot. Thus, the Project would not result in the loss of availability of locally important mineral resources. Accordingly, no impact would occur.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding mineral resources. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

None.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe mineral resources impacts would result from implementation of the Project; therefore, no new or revised mitigation measures are required regarding mineral resources.

5.13 NOISE	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project result in:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☐	☐	☒
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☐	☐	☒
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☐	☒

This section is based on the Noise and Vibration Impact Analysis, prepared by LSA, dated November 2022, provided as Appendix K.

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to noise in Section 5.13. TOP 2050 SEIR identified that construction-related noise impacts from buildout of TOP 2050 would be significant and unavoidable even with mitigation. TOP 2050 SEIR determined stationary noise sources would not increase substantially compared to existing conditions and impacts would be less than significant. Additionally, TOP 2050 SEIR determined transportation related noise would increase more substantially than stationary-source noise, however impacts related to transportation noise increases would be less than significant.

TOP 2050 SEIR determined impacts related to construction related vibration would be significant and unavoidable, even with mitigation. However, operational related vibration impacts would be less than significant. TOP 2050 SEIR also determined that implementation of TOP 2050 could expose noise sensitive uses to excessive noise levels from the Ontario International Airport and that impacts would be significant and unavoidable, even after mitigation.

TOP 2050 SEIR Mitigation Measures:

Mitigation Measure 12-1 Prior to the issuance of building permits for any project that involves a noise-sensitive use within the 65 dBA CNEL contour of the Ontario International Airport, the project property owner/developers shall retain an acoustical engineer to conduct an acoustic analysis and identify, where appropriate, site design features and/or required building acoustical improvements (e.g., sound transmission class rated windows, doors, and attic baffling), to ensure compliance with the City's Noise Compatibility Criteria and the California State Building Code and California Noise Insulation Standards (Titles 24 and 21 of the California Code of Regulations).

Mitigation Measure 12-2 Prior to issuance of a building permit, individual projects that involve vibration-intensive construction activities, such as pile drivers, jack hammers, and vibratory rollers near sensitive receptors shall be evaluated for potential vibration impacts. For construction within 135 feet of fragile structures, such as historical resources, within 100 feet of nonengineered timber and masonry buildings (e.g., most residential buildings), or within 75 feet of engineered concrete and masonry (no plaster); or a vibratory roller within 25 feet of any structure, the project applicant shall prepare a noise and vibration analysis to assess and mitigate potential noise and vibration impacts related to these activities. This noise and vibration analysis shall be conducted by a qualified and experienced acoustical consultant or engineer. The vibration levels shall not exceed Federal Transit Administration (FTA) architectural damage thresholds (e.g., 0.12 inches per second [in/sec] peak particle velocity [PPV] for fragile or historical resources, 0.2 in/sec PPV for nonengineered timber and masonry buildings, and 0.3 in/sec PPV for engineered concrete and masonry). If vibration levels would exceed this threshold, alternative uses shall be used, such as drilling piles as opposed to pile driving and static rollers as opposed to vibratory rollers. If necessary, construction vibration monitoring shall be conducted to ensure vibration thresholds are not exceeded.

Mitigation Measure 12-4 Construction activities associated with new development that occurs near sensitive receptors shall be evaluated for potential noise impacts. Construction contractors shall implement the following measures for construction activities in the City of Ontario. Construction plans submitted to the City shall identify these measures on demolition, grading, and construction plans. The City of Ontario Planning and Building Departments shall verify that grading, demolition, and/or construction plans submitted include these notations prior to issuance of demolition, grading, and/or building permits.

- Construction activity is limited to the hours between 7:00 am and 6:00 pm Monday through Friday and 9:00 am to 6:00 pm Saturdays and Sundays, as prescribed in Municipal Code Section 5-29.09.
- During the entire active construction period, equipment and trucks used for project construction shall use the best-available noise control techniques wherever feasible (e.g., improved mufflers, equipment re-design, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds).
- Impact tools (e.g., jack hammers and hoe rams) shall be hydraulically or electrically powered wherever possible. Where the use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used along with external noise jackets on the tools.
- Stationary equipment such as generators and air compressors shall be located as far as feasible from nearby noise-sensitive uses.
- Stockpiling shall be located as far as feasible from nearby noise-sensitive receptors.
- Construction traffic shall be limited, to the extent feasible, to approved haul routes established by the City's Engineering Department.
- At least 10 days prior to the start of construction activities, a sign shall be posted at the entrance(s) to the job site, clearly visible to the public, that includes permitted construction days and hours as well as the telephone numbers of the City's and contractor's authorized representatives that are assigned to respond in the event of a noise or vibration complaint. If the authorized contractor's representative receives a complaint, he/she shall investigate, take appropriate corrective action, and report the action to the City.
- Signs shall be posted at the job site entrance(s), within the on-site construction zones, and along queueing lanes (if any) to reinforce the prohibition of unnecessary engine idling. All other equipment shall be turned off if not in use for more than 5 minutes.
- During the entire active construction period and to the extent feasible, the use of noise producing signals, including horns, whistles, alarms, and bells, shall be for safety warning purposes only. The construction manager shall use smart back-up alarms, which automatically adjust the alarm level based on the background noise level or switch off back-up alarms and replace with human spotters in compliance with all safety requirements and laws.

- Erect temporary noise barriers (at least as high as the exhaust of equipment and breaking line-of-sight between noise sources and sensitive receptors), as necessary and feasible, to maintain construction noise levels at or below the performance standard of 80 dBA Leq. Barriers shall be constructed with a solid material that has a density of at least 1.5 pounds per square foot with no gaps from the ground to TOP of the barrier and may be lined on the construction side with an acoustical blanket, curtain, or equivalent absorptive material.

Existing Ambient Noise Levels

Two long-term (24-hour) noise level measurement were conducted on May 31, 2022. Table N-1 provides a summary of the measured hourly noise levels and calculated CNEL level from the long-term noise level measurement. As shown in Table N-1, hourly noise levels at the surrounding uses are as low as 49.3 dBA Leq during nighttime hours and 59.9 dBA Leq during daytime hours.

Table N-1: Long-Term 24-Hour Ambient Noise Measurements

Location		Daytime Noise Levels[1] (dBA L_{eq})	Evening Noise Levels[2] (dBA L_{eq})	Nighttime Noise Levels[3] (dBA L_{eq})	Daily Noise Levels (dBA CNEL)
LT-1	On an electrical powerline pole on the wide side of residential building, 1004 E California St., approximately 70 feet from California St centerline.	59.9 – 68.4	61.8 – 66.5	49.3 – 59.5	66.1
LT-2	Located on the property 627 S Bon View, west of the property line, near the truck loading area.	63.9 – 67.5	61.1 – 65.1	52.3 – 64.5	67.9

Note: Noise measurements were conducted from May 31 to June 1, 2022, starting at 12:00 p.m.
[1] Daytime Noise Levels = noise levels during the hours from 7:00 a.m. to 7:00 p.m.
[2] Evening Noise Levels = noise levels during the hours from 7:00 p.m. to 10:00 p.m.
[3] Nighttime Noise Levels = noise levels during the hours from 10:00 p.m. to 7:00 a.m.
dBA = A-weighted decibels
CNEL = Community Noise Equivalent Level
L_{eq} = equivalent continuous sound level
Source: Noise and Vibration Impact Analysis (Appendix K)

City of Ontario General Plan

The City of Ontario establishes land use compatibility standards in the Safety Element of the City of Ontario General Plan (2010). According to the noise standards, up to 80 dBA CNEL is considered to be the "normally acceptable" noise level for industrial land uses. Additionally, noise levels of up to 65 dBA CNEL are considered "normally acceptable" for residential uses.

City of Ontario Noise Ordinance

Noise generated in the City of Ontario is regulated under Chapter 29 (Noise) of the City's Municipal Code. The allowable exterior noise levels are listed in Table N-2.

Table N-2: Municipal Code Exterior Noise Standards

Land Use	Allowed Equivalent Noise Level Leq	
	Daytime (7:00 a.m. to 10:00 p.m.)	Nighttime (10:00 p.m. to 7:00 a.m.)
Single-Family Residential	65 dBA	45 dBA
Multi-Family Residential	65 dBA	50 dBA
Commercial Property	65 dBA	60 dBA
Residential Portion of Mixed Used	70 dBA	70 dBA
Manufacturing and Industrial, Other Uses	70 dBA	70 dBA

Source: City of Ontario Municipal Code Section 5-29.04

Additionally, Municipal Code Section 5-29.09 (Construction activity noise regulations) states that no person, while engaged in construction, remodeling, digging, grading, demolition or any other related building activity, shall operate any tool, equipment, or machine in a manner that produces loud noise that disturbs a person of normal sensitivity who works or resides in the vicinity, or a police or code enforcement officer, on any weekday except between the hours of 7:00 am and 6:00 pm or on Saturday or Sunday between the hours of 9:00 a.m. and 6:00 p.m.

Federal Transit Administration

Because the City does not have construction noise level limits, construction noise for the Project was assessed using criteria from the Federal Transit Administration's (FTA) Transit Noise and Vibration Impact Assessment Manual (FTA 2018). Table N-3 presents the FTA's general assessment daytime construction noise criteria.

Table N-3: Federal Transit Administration Daytime Construction Noise Criteria

Land Use	Daytime 1-hour L_{eq} (dBA)	Nighttime 1-hour L_{eq} (dBA)
Residential	80	70
Commercial	85	85
Industrial	90	90

Source: Transit Noise and Vibration Impact Assessment Manual (FTA 2018)

a) Generation of substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined that construction related noise would be significant and unavoidable and operational noise would be less than significant.

Construction Noise

Noise generated by construction equipment would include a combination of trucks, power tools, concrete mixers, and portable generators that when combined can reach high levels. Construction is expected to occur in the following stages: demolition, site preparation, grading, building construction, architectural coating, paving. The Project would not include pile driving, which typically results in the highest construction noise volumes.

The Project construction noise would be temporary in nature as the operation of each piece of construction equipment would not be constant throughout the construction day, and equipment would be turned off when not in use. The typical operating cycle for a piece of construction equipment involves one or two minutes of full power operation followed by three or four minutes at lower power settings.

Table N-4 below lists typical construction equipment noise levels based on a distance of 50 feet between with equipment and a noise receptor. As shown, noise levels generated by heavy construction equipment can range from approximately 55 dBA to 85 dBA when measured at 50 feet.

Table N-4: Typical Construction Equipment Noise Levels

Equipment Description	Acoustical Use Factor[1] (percent)	Maximum Noise Level (L_{max}) at 50 feet[2]
Auger Drill Rig	20	84

Backhoes	40	80
Compactor (ground)	20	80
Compressor	40	80
Cranes	16	85
Dozers	40	85
Dump Trucks	40	84
Excavators	40	85
Flat Bed Trucks	40	84
Forklift	20	85
Front-end Loaders	40	80
Graders	40	85
Impact Pile Drivers	20	95
Jackhammers	20	85
Paver	50	77
Pickup Truck	40	55
Pneumatic Tools	50	85
Pumps	50	77
Rock Drills	20	85
Rollers	20	85
Scrapers	40	85
Tractors	40	84
Trencher	50	80
Welder	40	73

Note: Noise levels reported in this table are rounded to the nearest whole number
[1] Usage factor is the percentage of time during a construction noise operation that a piece of construction equipment is operating at full power.
[2] Maximum noise levels were developed based on Specification 721.560 from the Central Artery/Tunnel program to be consistent with the City of Boston's Noise Code for the "Big Dig" project.
FHWA = Federal Highway Administration
Lmax = maximum instantaneous sound level
Source: Noise and Vibration Impact Analysis (Appendix K)

Table N-5 below shows the nearest sensitive uses to the Project site, their distance from the center of construction activities, and composite noise levels expected during construction.

Table N-5: Potential Construction Noise Impacts at Nearest Receptors

Receptor (Location)	Composite Noise Level (dBA L_{eq}) at 50 feet[1]	Distance (feet)	Composite Noise Level (dBA L_{eq})
Industrial (south)	88	145	79
Industrial (east)		295	73
Residence (south)		465	69
Industrial (west)		475	69

[1]The composite construction noise level represents the demolition and site preparation phases which are expected to result in the greatest noise level as compared to other phases.
dBA L_{eq} = average A-weighted hourly noise level
Source: Noise and Vibration Impact Analysis (Appendix K)

As shown in Table N-5, it is expected that composite noise levels during construction would reach 79 dBA L_{eq} at the nearest receptor to the south of the site. However, the construction noise levels predicted in Table N-5 would only occur when all construction equipment is operating simultaneously, which is a conservative

assumption, and unlikely to occur. Additionally, noise generated from construction activities is temporary in nature and would cease upon completion of construction. Furthermore, construction-related noise impacts would remain below the 80 dBA and 90 dBA 1-hour construction noise level criteria for daytime construction noise level criteria as established by the Federal Transit Administration (FTA) for residential and industrial/commercial land uses, respectively, and therefore Project construction noise would be less than significant.

Additionally, as described above, Municipal Code Section 5-29.09 exempts construction noise between the hours of 7:00 a.m. and 6:00 p.m. on weekdays and between the hours of 9:00 a.m. and 6:00 p.m. on Saturdays and Sundays. The Project would comply with the City's construction hours regulations.

Operational Noise

Long term off-site stationary noise impacts from the Project could include on-site heating, ventilation, and air conditioning (HVAC) equipment, trash enclosure activity, truck deliveries, and loading and unloading activities. Table N-6 shows the combined hourly noise levels generated by HVAC equipment and truck delivery activities at the closest off-site land uses.

Table N-6: Exterior Noise Level Impacts

Receptor	Direction	Noise Level Standard (dBA L_{eq})	Project Generated Noise Levels (dBA L_{eq})	Potential Operational Noise Impact?[1]
Industrial	South	70	61.6	No
Industrial	East	70	60.6	No
Residential	South	65	51.0	No

[1] A potential operational noise impact would occur if (1) the project noise impacts are greater than the applicable noise standard, OR (2) if the quietest ambient hour is greater than the applicable noise standard and project noise impacts are 3 dBA greater than the quietest ambient hour.
dBA = A-weighted decibels
Leq = equivalent noise level
Source: Noise and Vibration Impact Analysis (Appendix K)

As shown in Table N-6, Project related noise level impacts would range from 51.0 dBA Leq to 61.6 dBA Leq at the surrounding receptors. These levels would be below the City's noise standard of 65 dBA Leq at the residential land uses and below the noise standard of 70 dBA Leq for industrial land uses. Because Project noise levels would not exceed the maximum permissible noise levels, the impact would be less than significant.

Long-Term Off-Site Traffic Noise Impacts

Traffic-related noise conditions along roadway segments in the Project vicinity were evaluated using the guidelines included in the FHWA Highway Traffic Noise Prediction Model (FHWA-RD-77-108) (Appendix K). Table N-7 provides the traffic noise levels for the existing with and without Project and opening year with and without Project scenarios. These noise levels represent the worst-case scenario, which assumes no shielding is provided between the traffic and the location where the noise contours are drawn.

Table N-7: Traffic Noise Levels Without and With Project

Roadway Segment	Existing Without Project		Existing With Project		
	ADT	CNEL (dBA) 50 feet from Centerline of Nearest Lane	ADT	CNEL (dBA) 50 feet from Centerline of Nearest Lane	Increase from Existing Conditions
Bon View Avenue between Ontario Boulevard and Mission Boulevard	7,200	63.0	8,050	63.4	0.4
Ontario Boulevard East of Bon View Avenue	440	51.3	500	51.8	0.5
Mission Boulevard between Bon View Avenue and Grove Avenue	23,000	67.4	26,540	68.0	0.6
Grove Avenue North of Mission Boulevard	32,600	69.6	34,700	69.9	0.3

Shaded cells indicate roadway segments adjacent to the project site.
ADT = average daily traffic
CNEL= Community Noise Equivalent Level
dBA = A-weighted decibels
Source: Noise and Vibration Impact Analysis (Appendix K)

Table N-7 shows that the increase in Project-related traffic noise would be no greater than 0.6 dBA. Noise level increases above 3.0 dBA may be perceptible to some people in an outdoor environment, but the expected increase is less than the readily perceptible threshold of 5.0 dBA. Therefore, traffic noise impacts from Project-related traffic on off-site sensitive receptors would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

b) Generation of excessive groundborne vibration or groundborne noise levels?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined impacts related to construction related vibration would be significant and unavoidable, however, impacts related to operational vibration would be less than significant.

Construction
Construction activity can cause varying degrees of ground vibration, depending on the equipment and methods used, the distance to receptors, and soil type. Construction vibrations are intermittent, localized intrusions. The use of heavy construction equipment, particularly large bulldozers, and large loaded trucks hauling materials to or from the site generate construction-period vibration impacts.

The Noise and Vibration Impact Analysis (Appendix K) uses vibration standards in the FTA Manual to analyze ground-borne vibration impacts on human annoyance. The Analysis discusses the level of human annoyance using vibration levels in VdB and assesses the potential for building damages using vibration levels in PPV (in/sec). Vibration levels calculated in VdB are best for characterizing human response to building vibration, while vibration level in PPV is best for characterizing potential for damage. The FTA guidelines indicated that for a non-engineered timber and masonry building, the construction vibration damage criterion is 0.2 in/sec in PPV. The threshold at which vibration levels would result in annoyance would be 78 VdB for daytime residential uses and 84 VdB for office type uses. Table N-8 shows the PPV and VdB values at 25 feet from the construction vibration source.

Table N-8: Vibration Source Amplitudes for Construction Equipment

Equipment	Reference PPV/L_v at 25 ft	
	PPV (in/sec)	L_v (VdB)[1]
Pile Driver (Impact), Typical	0.644	104
Pile Driver (Sonic), Typical	0.170	93
Vibratory Roller	0.210	94
Hoe Ram	0.089	87
Large Bulldozer[2]	**0.089**	**87**
Caisson Drilling	0.089	87
Loading Trucks[2]	**0.076**	**86**
Jackhammer	0.035	79
Small Bulldozer	0.003	58

[1] RMS vibration velocity in decibels (VdB) is 1 µin/sec.
[2] Equipment shown in **bold** is expected to be used on site.
µin/sec = microinches per second; ft = foot/feet; in/sec = inch/inches per second; L_v = velocity in decibels; PPV = peak particle velocity; VdB = vibration velocity decibels
Source: Noise and Vibration Impact Analysis (Appendix K)

Table N-9 shows the summary of vibration annoyance levels due to construction equipment at each of the closest receptors. As shown in Table N-9, vibration levels are expected to approach 64 VdB at the closest industrial use to the south which is below the 84 VdB annoyance threshold for office type uses.

Table N-9: Potential Construction Vibration Annoyance Impacts at Nearest Receptor

Receptor (Location)	Reference Vibration Level (VdB) at 25 feet[1]	Distance (feet)[2]	Vibration Level (VdB)
Industrial (south)	87	320	64
Industrial (east)		370	55
Residence (south)		400	49
Industrial (west)		420	49

[1] The reference vibration level is associated with a large bulldozer which is expected to be representative of the heavy equipment used during construction.
[2] The reference distance is associated with the average condition, identified by the distance from the center of construction activities to surrounding uses
VdB = vibration velocity decibels
Source: Noise and Vibration Impact Analysis (Appendix K)

Table N-10 shows the summary of potential construction damage due to construction equipment at each of the closest receptors.

Table N-10: Potential Construction Vibration Damage Impacts at Nearest Receptor

Receptor (Location)	Reference Vibration Level (PPV) at 25 feet[1]	Distance (feet)[2]	Vibration Level (PPV)
Industrial (south)	0.089	5	0.352
Industrial (east)		5	0.352
Residence (south)		95	0.012
Industrial (west)		80	0.016

[1] The reference vibration level is associated with a large bulldozer which is expected to be representative of the heavy equipment used during construction.
[2] The reference distance is associated with the average condition, identified by the distance from the center of construction activities to surrounding uses
PPV = peak particle velocity
Source: Noise and Vibration Impact Analysis (Appendix K)

The closest structures to the Project site are the industrial uses to the south and east of the site, approximately 5 feet from the limits of construction activity. As shown in Table N-10, it is expected that vibrations levels generated by dump trucks and other large equipment that would be as close as 5 feet from the property line would generate groundborne vibration levels of up to 0.352 PPV (in/sec) at the closest structure to the Project site. As such, this vibration level would exceed the 0.2 PPV (in/sec) threshold considered safe for non-engineered timber and masonry buildings. Therefore, the Project has been designed so that the use of heavy construction equipment (e.g., large bulldozers, dump trucks, and vibratory roller) would be prohibited from operating within 15 feet of existing adjacent structures to ensure that vibration levels are below the 0.2 PPV (in/sec) threshold (see PDF N-1). At 15 feet, dump trucks and other large equipment would generate ground-borne vibrations levels of up to 0.191 PPV (in/sec) at the closest structure to the Project site and would not exceed the 0.2 PPV (in/sec) threshold (Appendix H).

If heavy equipment is necessary within 15 feet of the east boundary of the Project site, consistent with TOP 2050 SEIR Mitigation Measure 12-2, specific construction related requirements would be implemented to reduce potential impacts associated with construction vibration. With the implementation of limiting heavy equipment within 15 feet of the eastern Project boundary, vibration levels would be less than significant.

Additionally, as discussed above, construction activities are regulated by the City's Municipal Code, which states that temporary construction, maintenance, or demolition activities are not allowed between 6:00 p.m. and 7:00 a.m. on weekdays, including Saturday and Sunday. As such, vibration impacts would not occur during sensitive nighttime hours. With the implementation of the above practices, vibration impacts would be less than significant.

Operation

Once operational, the Project would not be a significant source of groundborne vibration. Groundborne vibration surrounding the Project currently result from heavy-duty vehicular travel (e.g., refuse trucks, heavy duty trucks, delivery trucks, and transit buses) on the nearby local roadways. Operations of the Project would include passenger cars and trucks. Due to the rapid drop-off rate of ground-borne vibration and the short duration of the associated events, vehicular traffic-induced ground-borne vibration is rarely perceptible beyond the roadway right-of-way, and rarely results in vibration levels that cause damage to buildings in the vicinity. Therefore, the Project would result in no new impacts related to ground born vibration.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined impacts related to exposing sensitive receptors to airport noise would be significant and unavoidable.

Airport-related noise levels are primarily associated with aircraft engine noise made while aircraft are taking off, landing, or running their engines while still on the ground. The Project site is located approximately 0.5-mile west of Ontario International Airport (ONT). According to Exhibit 9-1[10] of the ONT Land Use Compatibility Plan (ONT LUCP), the Project site is located within the 65 dBA CNEL contour zone. However, as shown in Table N-1, the ambient noise level in the vicinity of the Project site is 66.1 dBA CNEL. Furthermore, as shown in Table 2-3, *Noise Criteria*[11], of the ONT LUCP, levels up to 70 dBA CNEL are considered to be acceptable for warehouse uses. Therefore, the proposed Project would not be subject to excessive noise levels. Additionally, there are no helipads or private airstrips within 2 miles from the Project area. Therefore, impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to

[10] Ontario International Airport Land Use Compatibility Plan, Exhibit 1-9, Compatibility Factors: Noise. Available at: https://www.ont-iac.com/wp-content/uploads/2019/02/ONT-compatibility-Exhibit-1-9-July-2018-Amendment.pdf
[11] Ontario International Airport Land Use Compatibility Plan, Table 2-3, Noise Criteria. Available at: https://www.ont-iac.com/wp-content/uploads/2019/02/ALUCP-Chap-2-Table-2-3-Noise-Criteria-Amendment-July-2018-Final-Doc.pdf

evaluate Project impacts or mitigation measures exist regarding noise. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

RR N-1: Municipal Code Section 5-29.09 (Construction activity noise regulations). Noise sources associated with construction, repair, remodeling, or grading of any real property, shall not take place on any weekday except between the hours of 7:00 am and 6:00 pm or on Saturday or Sunday between the hours of 9:00 a.m. and 6:00 p.m.

Project Design Features (PDFs)

PDF N-1: Construction Plans. Prior to issuance of grading permits, the Building Department shall ensure all construction plans include a note that the following construction equipment shall not be operated within 15 feet of existing structures: large bulldozers, dump trucks, and vibratory rollers.

Mitigation/Monitoring Required

No new impacts nor substantially more severe noise and vibration related impacts would result from the Project; therefore, no new or revised mitigation measures are required for noise or vibration.

TOP 2050 SEIR Mitigation Measures Applicable to the Project

Mitigation Measure 12-2 Prior to issuance of a building permit, individual projects that involve vibration-intensive construction activities, such as pile drivers, jack hammers, and vibratory rollers near sensitive receptors shall be evaluated for potential vibration impacts. For construction within 135 feet of fragile structures, such as historical resources, within 100 feet of nonengineered timber and masonry buildings (e.g., most residential buildings), or within 75 feet of engineered concrete and masonry (no plaster); or a vibratory roller within 25 feet of any structure, the project applicant shall prepare a noise and vibration analysis to assess and mitigate potential noise and vibration impacts related to these activities. This noise and vibration analysis shall be conducted by a qualified and experienced acoustical consultant or engineer. The vibration levels shall not exceed Federal Transit Administration (FTA) architectural damage thresholds (e.g., 0.12 inches per second [in/sec] peak particle velocity [PPV] for fragile or historical resources, 0.2 in/sec PPV for nonengineered timber and masonry buildings, and 0.3 in/sec PPV for engineered concrete and masonry). If vibration levels would exceed this threshold, alternative uses shall be used, such as drilling piles as opposed to pile driving and static rollers as opposed to vibratory rollers. If necessary, construction vibration monitoring shall be conducted to ensure vibration thresholds are not exceeded.

Status: Applicable to the Project.

5.14 POPULATION AND HOUSING	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☐	☒
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☐	☒

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to population growth and housing in Section 5.14. TOP 2050 SEIR determined that the project would directly result in population growth in Ontario. TOP 2050 SEIR determined that building of TOP 2050 would not displace people or housing and would not necessitate the construction of replacement housing. Overall, TOP 2050 SEIR determined impacts related to population and housing would be less than significant upon implementation of regulatory requirements and standard conditions of approval.

TOP 2050 SEIR Mitigation Measures:

None.

a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that buildout of TOP 2050 would directly result in population growth, however TOP 2050 would accommodate future growth by providing for infrastructure and associated public services. Therefore, impacts would be less than significant.

The Project would involve the demolition of the existing six structures onsite and development of two new warehouse buildings totaling 237,236 SF. According to SCAG, the generation rate for employees required for operation of an industrial project is one employee for every 1,195 SF of industrial space. As the Project would build and operate two warehouse buildings totaling 237,236 SF at an FAR of 0.54, operation of the Project would generate approximately 199 employees. TOP 2050 SEIR analyzed the development of approximately 240,778 SF of general industrial uses on the Project site at an FAR of 0.55. As such, TOP 2050 has assumed the employees needed to operate these general industrial uses.

According to SCAG's 2020-2045 RTP/SCS population and household growth forecast for Ontario, between 2016 and 2045, SCAG anticipates an employment increase of 55,400 additional jobs (from 113,900 to 169,300), yielding a 48.6 percent growth rate. SCAG also anticipates a population increase of 96,600 between 2016 and 2045 (from 172,200 to 269,100). The proposed Project would generate approximately

199 new employees, which is within the City's forecasted population and employment growth between 2016 and 2045. Furthermore, the Project represents approximately 0.21 percent of the forecasted population growth between 2016 and 2045 and approximately 0.36 percent of the forecasted employment growth between 2016 and 2045 for the City.

The employees that would fill these roles are anticipated to come from the region, as the unemployment rate of the City of Ontario in August 2022 was 3.6 percent, the City of Upland was 3.6 percent, and the City of Chino was at 3.5 percent (State Employment Development Department 2022). Due to these levels of unemployment, it is anticipated that new employees at the Project site would already reside within commuting distance and would not generate needs for any housing. In addition, should the Project require employees to relocate to the area for work, there is sufficient vacant housing available within the region. The City of Ontario has a vacancy rate of 3.6 percent. Ontario has a total of 54,918 housing units; 52,950 of which are occupied (California Department of Finance 2022). Therefore, impacts related to unplanned population growth from the Project would be less than significant.

Furthermore, the Project is located in an urbanized area of Ontario and is surrounded by industrial and commercial uses. The Project does not propose to expand surrounding utility infrastructure (e.g., water, electricity, cell tower, gas, sanitary sewer, and stormwater drains) in the Project vicinity. All onsite systems would be provided and maintained by the property owner, as well as connect to existing and planned infrastructure within adjacent roadways. Because the Project proposes development in an already built-out portion of the city, it would not indirectly induce population growth through the extension of roads or other infrastructure and impacts would be considered less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that impacts related to displacement of housing would be less than significant.

The Project site is currently developed with an RV and Boat Storage facility and does not contain any housing, nor has it historically been used for housing. The Project site has a General Plan land use designation of Industrial and a zoning designation of General Industrial, which do not provide for residential development. Therefore, the Project would not displace any housing and would not necessitate the construction of replacement housing. As a result, no impact would occur.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding population and housing. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect

to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

None.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe population and housing impacts would result from implementation of the Project; therefore, no new or revised mitigation measures are required for population and housing.

5.15 PUBLIC SERVICES	Subsequent or Supplemental EIR			Addendum to EIR	
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
Fire protection?	☐	☐	☐	☐	☒
Police protection?	☐	☐	☐	☐	☒
Schools?	☐	☐	☐	☐	☒
Parks?	☐	☐	☐	☐	☒
Other public facilities?	☐	☐	☐	☐	☒

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to public services were analyzed in Section 5.13. TOP 2050 SEIR determined that buildout of the project would result in an increase in development and population, which would result in increased demand on fire protection and police services. However, without a definitive location for the development of future facilities, the analysis of potential impacts is too speculative to conduct. TOP 2050 SEIR concluded that the need for additional structures and personnel would be financed through the City's development impact fee program, and the impacts of the project on fire and police services would be less than significant.

TOP 2050 SEIR determined buildout of the project would generate new students who would impact the school enrollment capacities of area schools, and construction of new schools and/or classroom facilities for additional students generated by buildout of the project would be accommodated through assessment of school impact fees. Therefore, impacts to school services would be less than significant with the payment of school impact fees.

TOP 2050 determined that buildout of the project would result in an increase in demand for library services in the City of Ontario based on an increase in population and that new facilities, books, and personnel would be necessary to maintain and reach adequate levels of service. However, since the payment of development impact fees would offset the costs associated with new library services, impacts on library services would be less than significant.

Impacts related to park services are discussed further in Section 5.16.

TOP 2050 SEIR Mitigation Measures:

None.

a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

i. Fire Protection and Emergency Services

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that the need for additional structures and personnel would be financed through the City's development impact fee program, and the impacts of the project on fire services would be less than significant.

Fire protections services would be provided by the City of Ontario Fire Department (OFD), which operates ten fire stations throughout the City. Ontario Fire Department, located at 425 East B Street, is the closest fire station to the Project site at 0.8 miles northwest. Ontario Fire Department Station 2 is located approximately 1.6 miles southwest from the Project site. As discussed previously, TOP 5050 SEIR assumed operation of approximately 240,778 SF of general industrial uses on the site would require 202 employees while operation of the proposed warehouse buildings totaling 237,236 SF would require 199 employees. Thus, the proposed warehouse buildings would require three fewer employees than what was assumed in TOP 2050 SEIR. Therefore, implementation of the proposed Project would not increase demand for fire protection and emergency medical services as compared to TOP 2050 SEIR. Additionally, there are two fire stations two miles of the Project site that currently serve the Project vicinity. As part of the permitting process, the Project plans would be reviewed by the City's Fire Department and the Building Department to ensure that the Project plans meet the fire protection requirements. Additionally, the proposed facility would be required to comply with City fire suppression standards including current CBC and would provide adequate fire access. In addition, development impact fees (DIF) would also be collected in order to build and supply necessary infrastructure for fire protection services, as necessary. As such, the increase in fire service demands from the Project would not require construction of a new or physically altered fire station that could cause environmental impacts. Therefore, impacts related to fire protection services would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

ii. Police Protection

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that the need for additional structures and personnel would be financed through the City's development impact fee program, and the impacts of the project on police services would be less than significant.

Police protection services are provided by the Ontario Police Department (OPD). The station, which would serve the Project site, is located approximately 2.98 miles away from the Project site at 2500 S Archibald Ave, Ontario, CA 91761. The Project would result in additional onsite employees and goods that could create the need for police services. Crime and safety issues during Project construction may include theft of building materials and construction equipment, malicious mischief, graffiti, and vandalism. Operation of the proposed warehouse buildings would generate a typical range of police service calls such as burglaries, thefts, and employee disturbances, similar to the use analyzed in TOP 2050 SEIR and the existing use. The Project would include security lighting and other security measures. In addition, DIF would also be collected in order to build and supply necessary infrastructure for police protection services, as necessary. The additional need for law enforcement services from the Project would not be significant compared to the use analyzed in TOP 2050 SEIR and the existing use and would not result in the need for new or physically altered police facilities. Thus, impacts related to police services would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

iii. School Services

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined impacts to school services would be less than significant with the payment of school impact fees.

The Project consists of two warehouse buildings that would not directly generate students. As described previously, the Project is not anticipated to generate a new population, as the employees needed to operate the Project are anticipated to come from within the Project region and substantial in-migration of employees that could generate new students is not anticipated to occur. Thus, the Project would not generate the need for new or physically altered school facilities and impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

iv. Parks

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined impacts related to parks would be less than significant.

The Project would build two warehouse buildings on a site that is currently developed with an RV and Boat Storage facility and would not construct any residential facilities, nor create an additional need for housing. Additionally, the employees needed to operate the project are anticipated to come from the labor force in the region. While employees may use public recreational facilities in the area, the Project would not generate a significant increase in use of the existing neighborhood or regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated. The Project does not include or require the construction or expansion of recreational facilities which could negatively impact the environment. In addition, no offsite parks or recreational improvements are proposed or required as part of the Project. Thus, impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

v. Other Public Facilities

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined impacts to library services would be less than significant with the payment of school impact fees.

As previously discussed, development of the Project would not result in a direct increase in the population of the Project area and would not increase the demand for public services, including public health services and library services which would require the construction of new or expanded public facilities. As described previously, the employees needed to operate the Project are anticipated to come from the Project region and commute Project site and substantial in-migration of employees that could generate substantial usage of other public facilities is not anticipated to occur. Therefore, impacts related to other public services would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

Conclusion
Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding public services. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

None.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe public services impacts would result from implementation of the Project; therefore, no new or revised mitigation measures are required for public services.

5.16 RECREATION	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☐	☒

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to recreation in Section 5.16. TOP 2050 SEIR determined that implementation of TOP 2050 would generate additional residents that would increase the use of existing park and recreational facilities, but park dedications and payment of in-lieu fees would ensure impacts are less than significant. TOP 2050 SEIR also determined that project implementation would result in environmental impacts to provide new and/or expanded recreational facilities but would not result in a significant impact as subsequent environmental review would be required for development of park projects under TOP 2050 Land Use Plan.

TOP 2050 SEIR Mitigation Measures:

None.

a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that physical deterioration of the facility would be accelerated?

Impacts Associated with the Proposed Project

No New Impact. The Project would build two warehouse buildings on a site that is currently developed with an RV, Boat and Storage facility. As previously discussed, the Project does not propose any residential facilities, and would not cause an increase in residential population. Additionally, the employees needed to operate the Project are anticipated to come from the labor force in the region. The closest park to the Project site is the Bon View Park, located approximately 0.27-mile south of the Project site. Project employees may use the park for breaks or recreation; however, the use of the park by Project employees would not lead to a physical deterioration of the park. Thus, there would be no increase in residents which would cause any increase in demand for existing parks or other recreational facilities, and the Project would not cause nor accelerate physical deterioration of these facilities.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

b) Require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

Impacts Associated with the Proposed Project

No New Impact. The Project would build two warehouse buildings on a site that is currently developed with an RV, Boat and Storage facility, and would not construct any residential facilities, nor create an additional need for housing. The Project would not directly increase the residential population of the City or generate additional need for parkland. The Project does not include or require the construction or expansion of recreational facilities which could negatively impact the environment, and no offsite parks or recreational improvements are proposed or required as part of the Project. Thus, no impacts would occur.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. Impacts from the Project would be consistent with those identified in TOP 2050 SEIR.

Conclusion
Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding recreation. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

None.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe recreation impacts would result from implementation of the Project; therefore, no new or revised mitigation measures are required for recreation.

5.17 TRANSPORTATION	Subsequent or Supplemental EIR			Addendum to EIR	
	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
Would the project:					
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☐	☐	☐	☒
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☐	☐	☒
c) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☐	☒
d) Result in inadequate emergency access?	☐	☐	☐	☐	☒

This section is based on the Vehicle Miles Traveled Analysis prepared by Urban Crossroads in December 2022 and included as Appendix L.

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR discussed impacts related to traffic and circulation in Section 5.17. TOP 2050 SEIR determined implementation of TOP 2050 would not conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities. Impacts would be less than significant.

TOP 2050 SEIR determined implementation of TOP 2050 would generate an increase in total VMT compared to TOP 2010. TOP 2050 includes goals and policies to offset Vehicle Miles Traveled (VMT) impacts by creating greater access to transit and enhanced alternative transportation modes. However, even with the additional goals, policies, and actions related to VMT reduction, TOP 2050 is not anticipated to reduce the impact of increased total VMT, even with mitigation. Impacts would be significant and unavoidable.

TOP 2050 SEIR determined the Mobility Element adequately addresses potentially hazardous conditions, potential conflicting uses, and emergency access. Additionally, future projects are required to be reviewed by the Ontario Fire Department to determine adequate emergency access is provided based on local and state guidance. Impacts would be less than significant.

TOP 2050 SEIR Mitigation Measures

Mitigation Measure T-1. Prior to approval of discretionary projects subject to VMT reduction analysis, applicants shall demonstrate compliance with the City's VMT Guidelines for CEQA assessment of VMT impacts. For projects with VMT per Service Population exceeding the County's significance threshold, a mitigation plan shall be developed and implemented. Mitigation should consist of Transportation Demand Management (TDM) measures analyzed under a VMT-reduction methodology consistent with the California Air Pollution Control Officers Association's (CAPCOA) Final Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity (2021) and approved by the City of Ontario (if applicable). Examples of measures include but are not limited to:

- Pedestrian Network Improvements: constructing new sidewalks and/or improving damaged or substandard sidewalks that connect to a larger pedestrian network.
- Construct or Improve Bike Facilities: constructing new or enhancing a single existing Class I, II or IV bike facility that connects to a larger bike network.
- Construct or Improve Bike Boulevards: implementing a Class III bike boulevard on a local or collector street that is one travel lane in each direction, has a design speed of 25 mph or less and a design volume of 5,000 ADT or less.
- Expand Bikeway Networks: constructing a network of interconnected new Class I, II, or IV bike facilities.
- Provide End of Trip Bicycle Facilities: constructing facilities that support cyclists such as bike parking, lockers, and showers.
- Implement Transit-Supportive Roadway Treatments: funding infrastructure improvements such as traffic signal modifications and roadway signing and striping that are dedicated to improving transit travel times and reliability.
- Transit Passes: proving discounted or free transit fare to a specific geographic area, population group, or to the general public.
- Vanpool Program: providing groups of 5 to 15 people with direct shuttle service between their workplace and residence.
- Carshare Program (conventional or EV): providing access to a shared fleet of on-demand vehicles for short-term use/rental. Best practice is to discount carshare membership and provide priority parking for carshare vehicles to encourage use of the service.
- Bikeshare Program (conventional or EV): providing access to a shared fleet of on-demand bicycles for short-term use/rental. Best practice is to discount bikeshare membership and dedicate bikeshare parking to encourage use of the service.
- Rideshare Program: providing access to and encouraging the use of a ridesharing platform or service. This could be an app, website, or other service that provides ride-matching coordination services.
- Community-Based Travel Planning (CBTP): CBTP is a residential based approach to outreach, performed by trained advisors, that provides households within a targeted geographic area with customized information, incentives, and support to encourage the use of transportation alternatives in place of single occupancy vehicles.
- Commute Trip Reduction (CTR) Program: CTR programs can be mandatory or voluntary, and involve providing information, coordination, services, infrastructure, and/or incentives for alternative modes such as ridesharing, vanpool, transit passes, and cycling.

a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined implementation of TOP 2050 would not conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities. Impacts would be less than significant.

Vehicular access to Building 1 would be provided via four driveways: two on Bon View Avenue and two on Ontario Boulevard. Vehicular access to Building 2 would be provided via one driveway on California Street. Vehicular traffic to and from the Project site would utilize the existing network of regional and local

roadways that currently serve the Project area. The Project would construct internal roadways that would provide employee access to the building. In addition, final design plans would be subject to review and approval by the City's Public Works Department prior to the issuance of building permits.

Additionally, as shown in Table LU-1 in Section 5.11, *Land Use and Planning*, the Project would be consistent with circulation goals and policies included as part of TOP 2050. As such, the Project would not introduce any new roadways or land uses that would interfere with adopted plans, programs, ordinances, or policies regarding roadway facilities.

Alternative Transportation
Sidewalks currently exist along the Project site's Ontario Boulevard, Bon View Avenue and California Street frontages and would not be changed with implementation of the Project. According to TOP Figure M-02, *Multipurpose Trails and Bikeways*, Class III bike routes are proposed along Bon View Avenue and buffered Class II bike lanes are proposed along Mission Boulevard. The proposed Project would not interfere with future implementation of these proposed bike routes. The Metrolink Riverside Line is located adjacent to Ontario Boulevard. East Ontario Metrolink Station is located approximately 3.3 miles east. Additionally, Omnitrans Bus Route 87 exists along Mission Boulevard, just south of the Project site. The Project would not disrupt service of the Metrolink Line nor Omnitrans Route 87. Therefore, the Project would not conflict with alternative transportation and Project impacts to transit, bicycle, and pedestrian facilities would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined implementation of TOP 2050 would generate an increase in total VMT compared to TOP 2010 and impacts would remain significant an unavoidable even after implementation of mitigation.

Changes to CEQA Guidelines were adopted in December 2018, which require all lead agencies to adopt VMT as a replacement for automobile delay-based level of service (LOS) as the measure for identifying transportation impacts for land use projects. This statewide mandate went into effect July 1, 2020. To aid in this transition, the Governor's Office of Planning and Research (OPR) released a Technical Advisory on Evaluating Transportation Impacts in CEQA (December of 2018) (Technical Advisory). Based on OPR's Technical Advisory and its specific procedures for complying with the new CEQA requirements for VMT analysis, the City of Ontario has developed and adopted their own VMT methodologies and thresholds, which were adopted by City Council in June 2020 (City Guidelines).

The City Guidelines describe specific "screening thresholds" that can be used to identify when a proposed land use project is anticipated to result in a less than significant impact without conducting a more detailed project level VMT analysis. Consistent with City Guidelines, a land use project needs only to satisfy one of the screening thresholds to result in a less than significant impact. Project consistency with screening thresholds is described below.

1. Transit Priority Area (TPA) Screening

City Guidelines state that projects located within a TPA (i.e. within one-half mile of an existing "major transit stop" or an existing stop along a "high-quality transit corridor") may be presumed to have a less than significant impact unless one of the following conditions is met:

- Has a Floor Area Ratio (FAR) of less than 0.75;
- Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking);
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization); or
- Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

The Project site is located within a TPA; however, the Project has a FAR of less than 0.75, thus this screening criteria is not met.

2. Low VMT Area Screening
   City Guidelines state that projects located in an already low VMT generating traffic analysis zone (TAZ) may be presumed to have a less than significant VMT impact. TAZs that generate a VMT per service population (SP) that is 15 percent below the County of San Bernardino Baseline VMT per SP are considered low VMT.

   The Project is located in TAZ 53649401 and was found to have a VMT per service population of 78.2 that was compared to 15 percent below County of San Bernardino Baseline or 33.3 VMT per SP. Accordingly, the Project is not located within a low VMT generating zone. Thus, this screening criteria is not met.

3. Project Type Screening
   City Guidelines identify local serving retail with buildings less than 50,000 square feet or other local serving essential services as having a less than significant VMT impact. The proposed Project does would not develop any local serving retail or essential land use services. Thus, this screening criteria is not met.

4. Low Trip Generating Uses Screening
   City Guidelines state that land use projects generating 110 or fewer daily vehicle trips are assumed to cause a less than significant impact on VMT.

Table T-1 shows the trip generation comparison between the VMT baseline (77,696 SF of General Industrial (IG) consistent uses) and proposed Project (237,236 SF of warehouse uses).

Table T-1: Trip Generation Comparison

	AM Peak Hour			PM Peak Hour			
	In	Out	Total	In	Out	Total	Daily
Baseline	53	8	61	8	47	55	454
Proposed Project	54	11	65	15	51	66	554
Difference	1	3	4	7	4	11	100

Source: Vehicle Miles Traveled Analysis (App L)

As shown, the proposed Project is anticipated to generate 100 net new trips per day compared to the VMT baseline, which is below the threshold of 110 additional vehicle trips per day. Thus, the Low Trip Generating

Uses Screening criteria is met. Furthermore, the proposed 237,236 SF building would generate fewer trips compared to the 240,778 SF building previously analyzed in the TOP SEIR.

Therefore, since the proposed Project would generate fewer than 110 additional vehicle trips per day and is consistent with the City's screening criteria, the Project would have a less than significant impact on VMT.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

c) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that impacts related to an increase in hazards due to design features would be less than significant.

Vehicular access to Building 1 would be provided via four driveways: two on Bon View Avenue and two on Ontario Boulevard. Vehicular access to Building 2 would be provided via one driveway on California Street. Vehicular traffic to and from the Project site would utilize the existing network of regional and local roadways that currently serve the Project area. The Project would not introduce any new roadways or introduce a land use that would conflict with existing urban land uses in the surrounding area. Design of the Project, including the internal circulation, is subject to the City's development standards. The proposed Project's design has been reviewed to ensure fire engine accessibility and turn around area is provided to the fire code standards. As a result, impacts related to vehicular circulation design features would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

d) Result in inadequate emergency access?

Impacts Associated with the Proposed Project

No New Impact.

Construction

The proposed construction activities, including equipment and supply staging and storage, would occur within the Project site, and would not restrict access of emergency vehicles to the Project site or adjacent areas. The repaving of existing driveways, connections to existing infrastructure systems, and construction of new infrastructure that would be implemented during construction of the Project could require the temporary closure of one side or portions of Bon View Avenue, Ontario Boulevard, and/or California Street for a short period of time (i.e., hours or a few days). However, the construction activities would be required to ensure emergency access in accordance with Section 503 of the California Fire Code (Title 24, California Code of Regulations, Part 9), which would be ensured through the City's permitting process. Thus, implementation of

the Project through the City's permitting process would ensure existing regulations are adhered to and would reduce potential construction related emergency access impacts to a less than significant level.

Operation

As described previously, vehicle access to Building 1 would be provided via four driveways: two on Bon View Avenue and two on Ontario Boulevard, and vehicular access to Building 2 would be provided via one driveway on California Street. The construction permitting process would provide adequate and safe circulation to, from, and through the Project area, and would provide routes for emergency responders to access different portions of the Project site. The Fire Department and the Public Works Department would review the development plans as part of the permitting procedures to ensure adequate emergency access pursuant to the requirements in Section 503 of the California Fire Code (Title 24, California Code of Regulations, Part 9), included as Municipal Code Section 4-4.0. Because the Project is required to comply with all applicable City codes, as verified by the City's permitting process, potential impacts related to inadequate emergency access would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding transportation and traffic. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

None.

Project Design Features (PDFs)

PDF 1 – Commute Trip Reduction Marketing: The Project would include a marketing strategy to promote the Project site employer's commute trip reduction program. The Project would provide tenant's employees materials and online resources as a means to promote the commute trip reduction program. The purpose of the commute trip reduction program is to educate employees about their travel choices to the employment location beyond driving such as carpooling, taking transit, walking, and biking, thereby reducing VMT.

PDF 2 – Ridesharing Program: The Project would provide a ridesharing program and establish a permanent transportation management association with funding requirements for employers. Ridesharing encourages carpooled vehicle trips in place of single-occupied vehicle trips, thereby reducing the number of trips and VMT.

PDF 3 – End-of-Trip Facilities (Bicycle): The Project would install and maintain end-of-trip bicycle facilities for employee use. These facilities could include bike parking, bike lockers, showers, and personal lockers. The provision and maintenance of secure bike parking and related facilities encourages commuting by bicycle, thereby reducing VMT.

PDF 4 – Employee Parking Cash-Out: The Project would require future tenants to offer employee parking cash-out which would provide employees with a choice of forgoing their current subsidized/free parking for a cash payment equivalent to or greater than the cost of the parking space. This encourages employees to use other modes of travel instead of single occupancy vehicles and thereby reduces VMT and GHG emissions.

Mitigation/Monitoring Required

No new impacts nor substantially more severe transportation impacts would result from implementation of the Project; therefore, no new or revised mitigation measures are required for transportation.

TOP 2050 SEIR Mitigation Measures Applicable to the Project

Mitigation Measure T-1. Prior to approval of discretionary projects subject to VMT reduction analysis, applicants shall demonstrate compliance with the City's VMT Guidelines for CEQA assessment of VMT impacts. For projects with VMT per Service Population exceeding the County's significance threshold, a mitigation plan shall be developed and implemented. Mitigation should consist of Transportation Demand Management (TDM) measures analyzed under a VMT-reduction methodology consistent with the California Air Pollution Control Officers Association's (CAPCOA) Final Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity (2021) and approved by the City of Ontario (if applicable). Examples of measures include but are not limited to:

- Pedestrian Network Improvements: constructing new sidewalks and/or improving damaged or substandard sidewalks that connect to a larger pedestrian network.
- Construct or Improve Bike Facilities: constructing new or enhancing a single existing Class I, II or IV bike facility that connects to a larger bike network.
- Construct or Improve Bike Boulevards: implementing a Class III bike boulevard on a local or collector street that is one travel lane in each direction, has a design speed of 25 mph or less and a design volume of 5,000 ADT or less.
- Expand Bikeway Networks: constructing a network of interconnected new Class I, II, or IV bike facilities.
- Provide End of Trip Bicycle Facilities: constructing facilities that support cyclists such as bike parking, lockers, and showers.
- Implement Transit-Supportive Roadway Treatments: funding infrastructure improvements such as traffic signal modifications and roadway signing and striping that are dedicated to improving transit travel times and reliability.
- Transit Passes: proving discounted or free transit fare to a specific geographic area, population group, or to the general public.
- Vanpool Program: providing groups of 5 to 15 people with direct shuttle service between their workplace and residence.
- Carshare Program (conventional or EV): providing access to a shared fleet of on-demand vehicles for short-term use/rental. Best practice is to discount carshare membership and provide priority parking for carshare vehicles to encourage use of the service.

- Bikeshare Program (conventional or EV): providing access to a shared fleet of on-demand bicycles for short-term use/rental. Best practice is to discount bikeshare membership and dedicate bikeshare parking to encourage use of the service.
- Rideshare Program: providing access to and encouraging the use of a ridesharing platform or service. This could be an app, website, or other service that provides ride-matching coordination services.
- Community-Based Travel Planning (CBTP): CBTP is a residential based approach to outreach, performed by trained advisors, that provides households within a targeted geographic area with customized information, incentives, and support to encourage the use of transportation alternatives in place of single occupancy vehicles.
- Commute Trip Reduction (CTR) Program: CTR programs can be mandatory or voluntary, and involve providing information, coordination, services, infrastructure, and/or incentives for alternative modes such as ridesharing, vanpool, transit passes, and cycling.

Status: This mitigation measure has been satisfied through the preparation of the Project-specific VMT Analysis, prepared by Urban Crossroads in November 2022 and included as Appendix M. With implementation of PDFs outline above, the proposed Project would have a less than significant impact in regard to VMT generation.

5.18 TRIBAL CULTURAL RESOURCES	Subsequent or Supplemental EIR			Addendum to EIR	
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☐	☐	☐	☒
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☐	☐	☐	☒

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to tribal cultural resources in Section 5.18. TOP 2050 SEIR determined impacts related to tribal cultural resources would be less than significant with implementation of Mitigation Measures 5-3, 5-4, TCR-1 and TCR-2.

TOP 2050 SEIR Mitigation Measures:

Mitigation Measure 5-3. Upon receipt of an application for a proposed project subject to CEQA and within the City's jurisdiction, the City's representative shall consult with the relevant tribe(s)' representative(s) to determine if the proposed project is within a culturally sensitive area to the tribe. If sufficient evidence is provided to reasonably ascertain that the site is within a tribal culturally sensitive area, an archaeologist shall prepare a cultural resources assessment. The findings of the cultural resources assessment shall be incorporated into the CEQA documentation. A copy of the report shall be forwarded to the tribe(s). If mitigation is recommended in the CEQA document, the procedure described in Mitigation Measure 5-4 shall be followed.

Mitigation Measure 5-4. Prior to the issuance of grading permits for a proposed project which the CEQA document defines cultural resource mitigation for potential tribal resources, the project applicant shall contact the designated tribe(s) to notify them of the grading, excavation, and monitoring program. The applicant shall coordinate with the City of Ontario and the tribal representative(s) to develop mitigation measures that address the designation, responsibilities, and participation of tribal monitors during grading, excavation, and ground-disturbing activities; scheduling; terms of compensation; and treatment and final disposition of any cultural resources, sacred sites, and human remains discovered on the site. The City of Ontario shall be the final arbiter of the conditions for projects within the City's jurisdiction.

Mitigation Measure TCR-1 Tribal Cultural Resources Monitoring. The project archaeologist, in consultation with interested tribes, the developer, and the City of Ontario, shall develop an archaeological monitoring

plan (AMP) to address the details, timing, and responsibility of archaeological and cultural activities that will occur on the project site. Details in the AMP shall include:

1. Project-related ground disturbance (including, but not limited to, brush clearing, grading, trenching, etc.) and development scheduling;
2. The development of a rotating or simultaneous schedule in coordination with the developer and the project archeologist for designated Native American Tribal Monitors from the consulting tribes during grading, excavation and ground disturbing activities on the site: including the scheduling, safety requirements, duties, scope of work, and Native American Tribal Monitors' authority to stop and redirect grading activities in coordination with all project archaeologists (if the tribes cannot come to an agreement on the rotating or simultaneous schedule of tribal monitoring, the Native American Heritage Commission shall designate the schedule for the onsite Native American Tribal Monitor for the proposed project);
3. The protocols and stipulations that the developer, City, Tribes, and project archaeologist will follow in the event of inadvertent cultural resources discoveries, including any newly discovered cultural resource deposits that shall be subject to a cultural resources evaluation.

At least 30 days prior to application for a grading permit and before any brush clearance, grading, excavation, and/or ground disturbing activities on the site, the developer shall retain a tribal cultural monitor to monitor all ground-disturbing activities in an effort to identify any unknown archaeological resources. Pursuant to the AMP, a tribal monitor from the consulting tribe shall be present during the initial grading activities. If tribal resources are found during grubbing activities, the tribal monitoring shall be present during site grading activities.

Mitigation Measure TCR-2: Treatment and Disposition of Cultural Resources. In the event that Native American cultural resources are inadvertently discovered during the course of any ground-disturbing activities, including but not limited to brush clearance, grading, trenching, etc., for the proposed project, the following procedures will be carried out for treatment and disposition of the discoveries:

1. Temporary Curation and Storage: During the course of construction, all discovered resources shall be temporarily curated in a secure location on-site or at the offices of the project archaeologist. The removal of any artifacts from the project site will need to be thoroughly inventoried with tribal monitor oversight of the process;
2. Treatment and Final Disposition: The landowner(s) shall relinquish ownership of all cultural resources, including sacred items, burial goods, and all archaeological artifacts and nonhuman remains as part of the required mitigation for impacts to cultural resources. The applicant shall relinquish the artifacts through one or more of the following methods and provide the City of Ontario with evidence of same:
    a) Accommodate the process for on-site reburial of the discovered items with the consulting Native American tribes or bands. This shall include measures and provisions to protect the future reburial area from any future impacts. Reburial shall not occur until all cataloging, basic analysis, other analyses as recommended by the project archaeologist and approved by consulting tribes, and basic recordation have been completed; all documentation should be at a level of standard professional practice to allow the writing of a report of professional quality;
    b) A curation agreement with an appropriate qualified repository in San Bernardino County that meets federal standards per 36 CFR Part 79, and therefore the resource would be professionally curated and made available to other archaeologists/researchers for further study. The collections and associated records shall be transferred, including title, to an appropriate curation facility in San Bernardino County, to be accompanied by payment of the fees necessary for permanent curation;
    c) For purposes of conflict resolution, if more than one Native American tribe or band is involved with the project and cannot come to an agreement as to the disposition of cultural materials, materials shall be curated at the San Bernardino County Museum by default;

d) At the completion of grading, excavation, and ground-disturbing activities on the site, a Phase IV Monitoring Report shall be submitted to the City documenting monitoring activities conducted by the project archaeologist and Native Tribal Monitors within 60 days of completion of grading. This report shall document the impacts to the known resources on the property; describe how each mitigation measure was fulfilled; document the type of cultural resources recovered and the disposition of such resources; provide evidence of the required cultural sensitivity training for the construction staff held during the required pregrade meeting; and, in a confidential appendix, include the daily/weekly monitoring notes from the archaeologist. All reports produced will be submitted to the City, County Museum, and consulting tribes.

a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?

Impacts Associated with the Proposed Project

No New Impact. Assembly Bill (AB) 52 (Chapter 532, Statutes of 2014) establishes a formal consultation process for California tribes as part of the CEQA process and equates significant impacts on "tribal cultural resources" with significant environmental impacts (Public Resources Code [PRC] § 21084.2). AB 52 requires that lead agencies undertaking CEQA review evaluate, just as they do for other historical and archeological resources, a project's potential impact to a tribal cultural resource. In addition, AB 52 requires that lead agencies, upon request of a California Native American tribe, begin consultation prior to the release of a negative declaration, mitigated negative declaration, or EIR for a project. AB 52 does not apply to a Notice of Exemption or Addendum.

On May 9, 2022, a Sacred Lands File (SLF) search was requested from the Native American Heritage Commission (NAHC). On June 9, 2022, the NACH responded stating the results of the search did not identify any potential sites or location of Native American importance within the Project site or vicinity.

The Project site is currently developed with a RV and boat storage facility, parking lot, and storage area. The Project site soils have been previously disturbed from past grading, building construction and installation of utility infrastructure for the existing buildings. Because the site has previously been disturbed, there is reduced potential for the Project to impact tribal cultural resources. However, the Project may result in excavation into the underlying alluvial sediments where undiscovered tribal cultural resources could exist. TOP 2050 SEIR Mitigation Measure TCR-2 requires that in the event Native American cultural resources are inadvertently discovered during the course of any ground-disturbing activities, the resource shall be stored in a secure location until a qualified archaeologist with tribal monitor oversight can evaluate the resource. With implementation of TOP 2050 SEIR Mitigation Measure TCR-2, the Project would not cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 that is a historical resource as defined in Section 15064.5 of the State CEQA Guidelines or PRC Section 5020.1(k) and no new substantial environmental impacts would occur in comparison to the EIR.

The Project site has been previously disturbed, as described above, and has not been previously used as a cemetery. There are no known tribal cultural resources on the site. It is not anticipated that implementation of the Project would result in the disturbance of human remains. However, in the unlikely event that human remains are encountered during earth removal or disturbance activities, the California Health and Safety Code Section 7050.5 (included as RR CUL-1) requires that disturbance of the site shall halt until the coroner has conducted an investigation into the circumstances, manner, and cause of any death, and the

recommendations concerning the treatment and disposition of the human remains have been made to the person responsible for the excavation or to his or her authorized representative. The Coroner would also be contacted pursuant to Sections 5097.98 and 5097.99 of the Public Resources Code relative to Native American remains. In the event the Coroner determines the human remains to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC would then be required to contact the most likely descendant of the deceased Native American, who would then serve as a consultant on how to proceed with the remains. Compliance with the established regulatory framework (i.e., California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98) would reduce potential impacts involving disturbance to human remains would be less than significant.

With implementation of TOP 2050 SEIR Mitigation Measure TCR-2 and regulatory requirements, the Project would not cause a substantial adverse change in the significance of a tribal cultural resource. Therefore, the Project would not cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 that is a historical resource as defined in Section 15064.5 of the State CEQA Guidelines or PRC Section 5020.1(k) and no new substantial environmental impacts would occur in comparison to TOP 2050 SEIR.

b) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

Impacts Associated with the Proposed Project

No New Impact. As discussed above, there are no known tribal cultural resources that would be affected by the Project. The Project site is currently developed with an RV and boat storage facility, parking lot and storage lot and site soils have been previously disturbed from past grading, building construction and installation of utility infrastructure for the existing building. As discussed previously in Section 5.5, Cultural Resources, due to past grading and construction activities at the Project site, it is likely that any tribal cultural resources have already been destroyed or removed. However, the Project may result in excavation into the underlying alluvial sediments where undiscovered tribal cultural resources could exist. TOP 2050 SEIR Mitigation Measure TCR-2 requires that in the event Native American cultural resources are inadvertently discovered during the course of any ground-disturbing activities, the resource shall be stored in a secure location until a qualified archaeologist with tribal monitor oversight can evaluate the resource. With implementation of TOP 2050 SEIR Mitigation Measure TCR-2, the Project would not cause a substantial adverse change in the significance of a tribal cultural resource defined in Public Resources Code section 21074 determined to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1 and no new substantial environmental impacts would occur in comparison to the EIR.

Additionally, the California Health and Safety Code, Section 7050.5 requires that if human remains are discovered in the Project site, disturbance of the site shall halt and remain halted until the coroner has conducted an investigation. If the coroner determines that the remains are those of a Native American, they shall contact, by telephone within 24 hours, the Native American Heritage Commission. Therefore, impacts to tribal cultural resources would be less than significant and no new substantial environmental impacts would occur in comparison to TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding tribal cultural resources. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

(See RR CUL-1 in Section 5.5)

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe tribal cultural resources impacts would result from implementation of the Project; therefore, no new or revised mitigation measures are required for tribal cultural resources.

TOP 2050 SEIR Mitigation Measures:

Mitigation Measure 5-2 as listed previously in Section 5.5, *Cultural Resources*.

Mitigation Measure TCR-2: Treatment and Disposition of Cultural Resources. In the event that Native American cultural resources are inadvertently discovered during the course of any ground-disturbing activities, including but not limited to brush clearance, grading, trenching, etc., for the proposed project, the following procedures will be carried out for treatment and disposition of the discoveries:

3. Temporary Curation and Storage: During the course of construction, all discovered resources shall be temporarily curated in a secure location on-site or at the offices of the project archaeologist. The removal of any artifacts from the project site will need to be thoroughly inventoried with tribal monitor oversight of the process;
4. Treatment and Final Disposition: The landowner(s) shall relinquish ownership of all cultural resources, including sacred items, burial goods, and all archaeological artifacts and nonhuman remains as part of the required mitigation for impacts to cultural resources. The applicant shall relinquish the artifacts through one or more of the following methods and provide the City of Ontario with evidence of same:
    e) Accommodate the process for on-site reburial of the discovered items with the consulting Native American tribes or bands. This shall include measures and provisions to protect the future reburial area from any future impacts. Reburial shall not occur until all cataloging, basic analysis, other analyses as recommended by the project archaeologist and approved by consulting tribes, and basic recordation have been completed; all documentation should be at a level of standard professional practice to allow the writing of a report of professional quality;

f) A curation agreement with an appropriate qualified repository in San Bernardino County that meets federal standards per 36 CFR Part 79, and therefore the resource would be professionally curated and made available to other archaeologists/researchers for further study. The collections and associated records shall be transferred, including title, to an appropriate curation facility in San Bernardino County, to be accompanied by payment of the fees necessary for permanent curation;

g) For purposes of conflict resolution, if more than one Native American tribe or band is involved with the project and cannot come to an agreement as to the disposition of cultural materials, materials shall be curated at the San Bernardino County Museum by default;

h) At the completion of grading, excavation, and ground-disturbing activities on the site, a Phase IV Monitoring Report shall be submitted to the City documenting monitoring activities conducted by the project archaeologist and Native Tribal Monitors within 60 days of completion of grading. This report shall document the impacts to the known resources on the property; describe how each mitigation measure was fulfilled; document the type of cultural resources recovered and the disposition of such resources; provide evidence of the required cultural sensitivity training for the construction staff held during the required pregrade meeting; and, in a confidential appendix, include the daily/weekly monitoring notes from the archaeologist. All reports produced will be submitted to the City, County Museum, and consulting tribes.

5.19 UTILITIES AND SERVICE SYSTEMS	Subsequent or Supplemental EIR			Addendum to EIR	
	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
Would the project:					
a) Require or result in the construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☐	☐	☒
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☐	☐	☒
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☐	☐	☒
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☐	☐	☒
e) Comply with federal, state, and local statutes and regulations related to solid waste?	☐	☐	☐	☐	☒

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR analyzed impacts related to utilities and service systems in Section 5.19.

Wastewater: The City of Ontario conveys its wastewater via regional trunk sewers to regional wastewater treatment plants (WWTPs) operated by the Inland Empire Utilities Agency (IEUA). According to TOP 2050 SEIR, the City's wastewater collection system is adequate to convey the additional 2.55 million gallons per day (mgd) that would occur with implementation of TOP 2050 Update. Wastewater treatment in Ontario is provided by two IEUA facilities: RP-1 and RP-5. The current combined capacity of these two facilities is 60.3 mgd and would increase to 66.5 mgd once the expansion project that is currently under construction at RP-5 is completed. In 2020, RP-1 treated an average wastewater flow of 25 mgd, and RP-2 treated an average wastewater flow of 8 mgd (IEUA 2020). Therefore, these two WWTPs have a current combined treatment rate of 33 mgd. Additionally, there are additional plans to increase the treatment capacity of RP-5 to 30 mgd by 2040; the combined treatment capacity of both WWTPs would be 74 mgd (IEUA 2020). Therefore, TOP 2050 SEIR determined wastewater generated by TOP 2050 update could be adequately treated by the IEUA and would not require the construction of new wastewater treatment facilities or the expansion of existing facilities or exceed wastewater treatment requirements of the Regional Water Quality Control Board.

Water Supply and Distribution: The Ontario Municipal Utilities Company (OMUC) provides water service to residents, businesses, and other users in the City. According to TOP 2050 SEIR, full implementation of TOP

2050 has the potential to increase water demand by 3 mgd in the City overall. This accounts for an increase of approximately 6 percent from the current TOP to TOP 2050. Therefore, the City and the IEUA have made plans for infrastructure expansion and improvement. Additionally, as part of the land development approval process, the City determines a project's fair-share costs and connection fees. Through the use of connection fees and agreements, the City maintains and expands its water distribution system as necessary and is able to ensure that new developments pay their fair-share costs. The City has the discretion to require water capacity studies associated with new development and redevelopment and currently requires site-specific studies to determine a project's impact throughout the water system. Therefore, impacts related to infrastructure expansion and improvement caused by the implementation of TOP 2050 would be less than significant.

Additionally, although TOP 2050 at buildout is estimated to generate a 6 percent increase in water demand using conservative water demand factors, new State requirements and City policies and code requirements would result in enhanced water efficiency and conservation. Applying these measures to the current water demand estimates would result in total water demand below the projections in the 2020 UWMP for year 2045. Therefore, there would be sufficient water supplies to meet the demand for TOP 2050 buildout.

Solid Waste: TOP 2050 determined that buildout of TOP 2050 would generate an increase in solid waste of 45,204 tons/year. TOP 2050 SEIR determined solid waste generated through implementation of TOP 2050 would be adequately accommodated by the Badlands Sanitary Landfill and the El Sobrante Landfill. Furthermore, future development pursuant to TOP 2050 would comply with Section 4.408 of the 2019 CALGreen building code, which requires that at least 65 percent of nonhazardous construction and demolition waste from nonresidential construction operations be recycled and/or salvaged for reuse. Development would also comply with AB 341, which mandates recycling for commercial and multifamily residential land uses. Additionally, future businesses that generate organic waste in amounts over a certain threshold would be mandated to recycle organic matter in accordance with AB 1826. Therefore, solid waste facilities would be able to accommodate project-generated solid waste associated with the Proposed Project and impacts would be less than significant.

Stormwater Drainage: TOP 2050 SEIR determined compliance with the City's policies and programs that ensure adequate infrastructure and the regulatory provisions in the MS4 permit that limit runoff from new development would ensure that implementation of TOP 2050 would not result in significant increases in runoff that would contribute to the construction or expansion of new storm drains beyond what is already planned. In addition, the City would continue to repair, rehabilitate, and upgrade the storm drain system through implementation of the CIP program, and potential future development would be required to pay storm drainage fees per the City's municipal code. Therefore, impacts with respect to stormwater infrastructure would be less than significant.

TOP 2050 SEIR Mitigation Measures:

None.

a) Require or result in the construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that impacts related to the construction or expansion of water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities would be less than significant.

Water
The Ontario Municipal Utilities Company (OMUC) provides water service to residents, businesses, and other users in the City, including to the Project site. The Project would extend the proposed 12-inch water line in Ontario Boulevard west to connect to the existing 8-inch water line in Bon View Avenue. Building 1 would install new onsite water that would connect to the extended 8-inch water line in Ontario Boulevard. Building 2 would install new onsite water lines that connect to the existing 8-inch water line California Street. Installation of the onsite water infrastructure and connection to the existing water supply lines is part of construction of the proposed Project would not result in any physical environmental effects beyond those described throughout this document.

Wastewater
Wastewater generated by the City of Ontario is treated by the Inland Empire Utilities Agency (IEUA). The Project would extend the existing 8-inch sewer line located in Bon View Avenue north to Ontario Boulevard. Building 1 would install new onsite sewer lines that connect to the extended 8-inch sewer line in Bon View Avenue. Building 2 would install new onsite sewer lines that connect to the existing 8-inch sewer line in California Street. Installation of the onsite sewer infrastructure is part of construction of the proposed Project would not result in any physical environmental effects beyond those described throughout this document.

Storm Drainage
Stormwater flows from Building 1 will be collected and conveyed via storm drainpipe into a proposed underground storage chamber. Chamber outflow will be directed to Bon View Avenue via a parkway drain. Bon View Avenue drains to California Street. Stormwater flows from Building 2 will be collected and conveyed via storm drainpipe into a proposed underground storage chamber. Chamber outflows are directed to California street to mimic the existing condition. The existing off-site drainage system is designed and sized appropriately and would be able to accommodate the proposed Project. Thus, the Project would not require or result in the relocation or construction of new or expanded offsite drainage systems. The proposed onsite stormwater drainage infrastructure is included as part of the construction of the proposed Project and would not result in any physical environmental effects beyond those identified in other sections of this document. Therefore, impacts related to drainage infrastructure would be less than significant.

Electricity
Electricity would be provided to the Project by Southern California Edison (SCE). Adequate commercial electricity supplies are presently available to meet the incremental increase in demand attributed to the Project. Provision of electricity to the Project site is not anticipated to require or result in the construction of new facilities or the expansion of existing facilities, the construction or relocation of which would cause significant environmental impacts to electricity. Impacts would be less than significant.

Natural Gas
Natural gas service would be provided by Southern California Gas (SoCal Gas). Adequate commercial gas supplies are presently available to meet the incremental increase in demand attributed to the Project. The proposed Project would not require or result in the construction, expansion, or relocation of natural gas facilities that could result in a significant environmental impact. Impacts related to natural gas would be less than significant.

Telecommunication
Telecommunications service is provided by private companies in the City, including Verizon and AT&T. Private communications company's provide connection to the communication system on an as needed basis. As such, the proposed Project is not anticipated to require or result in the construction of new communications facilities or the expansion of existing facilities. Impacts would be less than significant.

Under existing conditions, the Project site is developed with an RV and boat storage facility. Implementation of the Project would demolish the existing six buildings on site and redevelop the site with two warehouse buildings. Water, sewer, storm drain, and dry utilities currently service the Project site and connection points

are site adjacent. The proposed new building would utilize the site adjacent connection points, resulting in no greater physical impacts than otherwise studied throughout this document for on-site construction. The Project would not create a substantially different water, wastewater treatment, storm water discharge, or dry utility demands that have occurred for the property since it was developed with the existing office building. Therefore, the Project would not require or result in the construction or expansion of new facilities, and impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR concluded that water supply and delivery systems are adequate to meet projected requirements and impacts would be less than significant.

The Ontario Municipal Utilities Company (OMUC) provides water service to residents, businesses, and other users in the City, including the Project site. The primary source of Ontario's water supply (approximately 46 percent) is groundwater pumped by the City from the Chino Groundwater Basin, which is adjudicated and managed by the Chino Basin Watermaster. Additional water supplies include treated groundwater from the Chino Basin Desalter Authority (CDA), recycled water from Inland Empire Utilities Agency (IEUA), imported water from the Water Facilities Authority (WFA), and purchased water from the San Antonio Water Company (SAWCo). The City operates 12 active reservoirs that store a total of 75 million gallons. Additionally, the City has 6 booster pump stations and 17 groundwater wells with a total production capacity of about 56 million gallons per day. According to TOP 2050 SEIR, the City provides an average supply of 33.14 mgd of water to its service area.

Based on Table 4-8, *Domestic Water Unit Demand Factors,* of the City of Ontario Water Master Plan (2021), the Project site currently results, and would continue result in, a total water demand of approximately 22.5 acre-feet per year (based on a rate of 2,000 gpd/ac for the 10.05-acre site). Table UT-1 shows the projected water supply and demand totals for normal, single dry, and multiple dry years from 2020 to 2045.

Table UT-1: Water Supply and Demand Comparison

	2025	2030	2035	2040	2045
Normal Year (afy)					
Supply Totals	52,550	58,513	63,838	73,668	73,668
Demand Totals	52,550	58,513	63,838	73,668	73,668
Single Dry Year (afy)					
Supply Totals	57,058	63,534	68,847	79,989	79,989
Demand Totals	57,058	63,534	68,847	79,989	79,989
Multiple Dry Years (afy) – First Year					
Supply Totals	56,080	62,445	67,667	78,618	78,618
Demand Totals	56,080	62,445	67,667	78,618	78,618
Multiple Dry Years (afy) – Second Year					
Supply Totals	56,248	62,632	67,870	78,853	78,853
Demand Totals	56,248	62,632	67,870	78,853	78,853
Multiple Dry Years (afy) – Third Year					
Supply Totals	59,493	66,246	71,786	83,403	83,403

Demand Totals	59,493	66,246	71,786	83,403	83,403
Multiple Dry Years (afy) – Fourth Year					
Supply Totals	54,268	60,428	65,481	76,078	76,078
Demand Totals	54,268	60,428	65,481	76,078	76,078
Multiple Dry Years (afy) – Fifth Year					
Supply Totals	47,436	52,820	57,237	66,500	66,500
Demand Totals	47,436	52,820	57,237	66,500	66,500

Source: Ontario UWMP 2021
Note: afy: acre-feet per year

Based on the City's UWMP supply and demand data, and consistent with the findings of TOP 2050 SEIR, the City would have continued water supplies available to serve the Project site. Additionally. redevelopment of the Project site would also be required to comply with CALGreen/Title 24 requirements for low-flow plumbing fixtures and irrigation, which would provide for efficient water use. Therefore, the City has sufficient water supplies available to serve the Project during normal, dry, and multiple dry years, and impacts would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined wastewater generated by TOP 2050 could be adequately treated by the wastewater service provider for the project and would not require the construction of new wastewater treatment facilities or the expansion of existing facilities or exceed wastewater treatment requirements of the Regional Water Quality Control Board. Impacts would be less than significant.

Wastewater generated by the City of Ontario is treated by the Inland Empire Utilities Agency (IEUA). IEUA operates four wastewater treatment plants that provide recycled water to the western part of San Bernardino County. IEUA also maintains a series of regional trunk lines that transport wastewater flows from Ontario to one of IEUA's one of two regional treatment plants located in Ontario: Regional Water Recycling Plan #-1 (RP-1) and Regional Water Recycling Plant #5 (RP-5). The current combined capacity of these two facilities is 60.3 mgd and would increase to 66.5 mgd once the expansion project that is currently under construction at RP-5 is completed. IEUA can route flows to either of the two facilities as needed. In 2020, RP-1 treated an average wastewater flow of 25 mgd, and RP-2 treated an average wastewater flow of 8 mgd (IEUA 2020). Therefore, these two wastewater treatment plants have a current combined treatment rate of 33 mgd.

Based on IEUA's wastewater generation rate of 25 gallons per day per employee[12] for industrial uses, the Project would conservatively generate a total of 4,975 gpd (0.004 mgd) of wastewater. As such, the remaining capacity of IEUA's treatment plants is adequate to serve the Project and the Project would not result in a determination by the wastewater treatment provider that it has inadequate capacity to serve the Project's projected demand in addition to the provider's existing commitments. As such, impacts would be less than significant.

[12] Wastewater generation rate obtained from the IEUA Wastewater Facilities Master Plan Update Report (2015). Available at https://www.ieua.org/wp-content/uploads/2015/01/IEUA_WFMP_Volume2_FINAL_06032015.pdf

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Impacts Associated with the Proposed Project

No New Impact. TOP 2050 SEIR determined existing and/or proposed facilities would be able to accommodate solid waste generated by TOP 2050 and impacts would be less than significant.

The City of Ontario provides its own solid waste collection service. According to the most recent CalRecycle data, over 98 percent of the solid waste collected from the City was taken to either Badlands Sanitary Landfill or El Sobrante Landfill. The Badlands Sanitary Landfill is permitted to accept 4,800 tons of solid waste per day and is permitted to operate through 2026. The Badlands Sanitary Landfill has a remaining capacity of 7,800,000 tons. As of August 2022, Badlands Landfill had an average disposal of 2,656 tons per day. Thus, on average the facility has an additional capacity of 2,144 tons per day (Calrecycle 2022). The El Sobrante Landfill is permitted to accept 16,054 tons of solid waste per day and is permitted to operate through 2051. The El Sobrante Landfill has a remaining capacity of 143,977,170 tons. As of August 2022, El Sobrante Landfill had an average disposal of 10,710 tons per day. Thus, on average, the facility had an additional capacity of 5,344 tons per day (Calrecycle 2022).

Construction

Construction of the Project would require demolition of the existing six structures on site, totaling 77,969 SF and associated infrastructure. Demolition of the structures on site would generate approximately 7,060 tons of waste. However, Section 5.408.1 of the 2016 California Green Building Standards Code requires demolition and construction activities to recycle or reuse a minimum of 65 percent of the nonhazardous construction and demolition waste. Thus, the demolition and construction solid waste that would be disposed of at the landfill would be approximately 35 percent of the waste generated. Therefore, demolition activities, which would generate the most solid waste would require disposal of approximately 2,471 tons of solid waste. As described in the Air Quality Analysis, demolition is expected to take 10 days. As such this would equate to approximately 247 tons of solid waste per day.

As described above, the Badlands Landfill has additional capacity of approximately 2,144 tons per day and El Sobrante Landfill has additional capacity of approximately 5,344 tons per day. Therefore, the facilities would be able to accommodate the addition of 247 tons of waste per day during demolition of the Project. Therefore, the Badlands Sanitary Landfill and EL Sobrante Landfill would be able to accommodate solid waste from construction of the Project.

Operation

The CalEEMod solid waste generation rate for general light industrial land use is 1.24 tons per year per 1,000 square feet. Thus, the two proposed warehouse buildings totaling 237,236 SF would generate a total of 294.17 tons of solid waste per year, or 5.66 tons per week. As such, construction of the two warehouse buildings would generate 4.4 less tons of solid waste per year compared to the 240,778 SF previously analyzed Project evaluated in TOP 2050 SEIR. At least 75 percent of the solid waste is required by AB 341 to be recycled, thus the Project would require disposal of approximately 1.41 tons of solid waste per week.

As the Badlands Landfill has additional capacity of approximately 2,144 tons per day and El Sobrante Landfill has additional capacity of approximately 5,344 tons per day, the facilities would be able to accommodate the addition of 1.41 tons of waste per day from the Project. Therefore, the Badlands Sanitary Landfill and EL Sobrante Landfill would be able to accommodate solid waste from operation of the Project, and impacts related to landfill capacity would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

e) Comply with federal, state, and local statutes and regulations related to solid waste?

Impacts Associated with the Proposed Project

No New Impacts. TOP 2050 SEIR determined TOP 2050 would comply with related solid waste regulations and impacts would be less than significant.

The Project would result in new development that would generate an increased amount of solid waste. All solid waste-generating activities within the city are subject to the requirements set forth in the 2019 California Green Building Standards Code that requires demolition and construction activities to recycle or reuse a minimum of 65 percent of the nonhazardous construction and demolition waste, and AB 341 that requires diversion of a minimum of 75 percent of operational solid waste. Development of the Project would be consistent with all state regulations, as ensured through the City's permitting process; and impacts would not occur. Therefore, the Project would result in less than significant impacts related to potential conflicts with federal, State, and local management and reduction statutes and regulations pertaining to solid waste.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR. The Project is consistent with the impacts identified in TOP 2050 SEIR and the level of impact remains unchanged from that cited in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding utilities and service systems. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

None.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe utilities and service systems impacts would result from implementation of the Project; therefore, no new or revised mitigation measures are required regarding utilities and service systems.

5.20 WILDFIRE	Subsequent or Supplemental EIR			Addendum to EIR	
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☐	☒
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollution concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☐	☒
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☐	☒
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☐	☒

Summary of Impacts Identified in TOP 2050 SEIR

TOP 2050 SEIR evaluated impacted related to wildfire in section 5.20. TOP 2050 SEIR determined that the project would not result in significant impacts related to emergency access. TOP 2050 SEIR discusses that the City is outside of the State Responsibility Area (SRA), and CAL FIRE has determined that the City contains no areas subject to very high wildfire risk. TOP 2050 SEIR identified that even though fuel loading is light in Ontario and fire risk comes primarily from urban fires, there is still some risk related to wildfires. TOP 2050 SEIR determined that wildfire impacts would be less than significant with adherence to existing regulations and TOP 2050 wildfire policies.

TOP 2050 SEIR Mitigation Measures:

None.

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

Impacts Associated with the Proposed Project

No New Impact. According to the CAL FIRE Fire Hazard Severity Zone map, the Project site is not within an area identified as a Fire Hazard Area that may contain substantial fire risk or a VHFHSZ (CAL FIRE 2022). The City is outside of the State Responsibility Area (SRA) and CAL FIRE has determined that the City contains no areas subject to very high wildfire risk (TOP 2050 SEIR). As stated in Section 5.9 of this Addendum, the Project would not physically interfere with an adopted emergency response plan or emergency evacuation plan. The Project driveways and internal access would be required to meet the City's design standards to ensure adequate emergency access and evacuation pursuant to the requirements in Section 503 of the California Fire Code (Title 24, California Code of Regulations, Part 9). Additionally, the Project does not include any characteristics (e.g., permanent road closures or long-term blocking of road access) that would

substantially impair or otherwise conflict with an emergency response plan or emergency evacuation plan. Therefore, impacts related to emergency response and evacuation plans associated with construction of the Project would be less than significant.

Access to the Project site would be provided by five proposed driveways. Building 1 would be accessible via four driveways: two on Bon View Avenue and two on Ontario Boulevard. Building 2 would be accessible via one driveway on California Street. The Project does not include any changes to public or private roadways that would physically impair or otherwise conflict with an emergency response plan or emergency evacuation plan. Further, the Project would not obstruct or alter any transportation routes that could be used as evacuation routes during emergency events. Further, a review of emergency access is included as part of the City's Design Review process to ensure the Project is compliant with all applicable codes and ordinances for emergency vehicle access. Therefore, impacts to emergency plans and emergency evacuation plans would be less than significant.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR.

b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollution concentrations from a wildfire or the uncontrolled spread of a wildfire?

Impacts Associated with the Proposed Project

No New Impact. As stated previously, the Project site is not located within a fire hazard area. Additionally, the Project area is currently fully developed with light industrial and commercial uses. The areas on and surrounding the site lack extensive combustible materials and vegetation necessary for the uncontrolled spread of a wildfire.

The Project site is flat and there are limited elevation changes in the Project vicinity. The Project proposes development of a warehouse use in an urban area. As such, the Project itself would not exacerbate wildfire risks as compared to existing conditions because it is representative of existing development in the area. Conversely, removal of the aged building and fire suppression system and installation of new construction and fire suppression systems may reduce fire risks. Thus, no impact related to other factors that would expose Project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire would occur from the Project.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR.

c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

Impacts Associated with the Proposed Project

No New Impact. As stated previously, the Project site is not located within a fire hazard area. The Project does not require the installation or maintenance of associated infrastructure (including roads, fuel breaks, emergency water sources, power lines, or other utilities) that would exacerbate fire risk or that would result in impacts to the environment. Although the Project includes new driveways and fire access lanes within the Project site, the Project does not include any changes to public or private roadways that would exacerbate fire risk or that would result in impacts to the environment. Although utility improvements, including domestic water, recycled water, sanitary sewer, and storm drain lines proposed as part of the Project would be extended throughout the Project site, these utility improvements would be underground and would not exacerbate fire risk. As described by TOP 2050 SEIR, adherence to existing regulations would reduce risks

from urban and wildland fire threats to the City to a less than significant level. The utility improvements that are part of redevelopment of the Project site would be reviewed and approved by the City part of the Project approval process to ensure compliance. Therefore, the Project would not include infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities), that would exacerbate fire risk or that would result in impacts to the environment.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR.

d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Impacts Associated with the Proposed Project

No New Impact. As stated previously, the Project site is not located within a fire hazard area. According to FEMA's FIRM Flood Map 06071C8617J, the Project site is not identified within a flood zone. Additionally, as discussed in Section, 5.7, Geology and Soils, the Project site has relatively flat topography and is not subject to landslides or slope instabilities.

As established in Section 5.10 of this Addendum, soil would be compacted and drainage patterns would be temporarily altered due to grading during Project construction, and there would be an increased potential for flooding compared to existing conditions. However, construction BMPs would be identified and implemented as part of the SWPPP required for the Project. Implementation of construction BMPs would control and direct surface runoff to prevent flooding. As such, Project construction would not expose people or structures to significant risks related to downslope and downstream flooding. During operation, the Project would not substantially alter the existing onsite drainage patterns. Compliance with the proposed operational BMPs would ensure onsite storm drain facilities would be sized to accommodate stormwater runoff from the Project site so that onsite flooding would not occur. Further, projects in the City are required to comply with the CBC, which would include the incorporation of: 1) seismic safety features to minimize the potential for significant effects as a result of earthquakes; 2) proper building footings and foundations; and 3) construction of the building structures so that it would withstand the effects of strong ground shaking. These features would reduce potential impacts related to landslides to a less than significant level.

No new or substantially greater impacts would occur with implementation of the Project when compared to those identified in TOP 2050 SEIR.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist regarding wildfire. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)

None.

Project Design Features (PDFs)

None.

Mitigation/Monitoring Required

No new impacts nor substantially more severe wildfire impacts would result from implementation of the Project; therefore, no new or revised mitigation measures are required regarding wildfires.

5.21 MANDATORY FINDINGS OF SIGNIFICANCE	Subsequent or Supplemental EIR			Addendum to EIR	
	Substantial Change in Project or Circumstances Resulting in New Significant Effects	New Information Showing Greater Significant Effects than Previous EIR	New Information Identifying New Mitigation or Alternative to Reduce Significant Effect is Declined	Minor Technical Changes or Additions	No New Impact/ No Impact
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☐	☐	☒
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☐	☐	☐	☐	☒
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☐	☐	☒

a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Impacts Associated with the Proposed Project

No New Impact. As discussed in Section *5.4, Biological Resources*, the Project site is completely developed and located within an urban area that does not contain any native habitats. Due to the disturbed status of the site, it does not provide habitat that could be utilized by species listed or candidates for listing by USFWS, CDFW, or the CNPS. There is existing ornamental landscaping and trees on the site that have the potential to provide habitat for nesting migratory birds. With adherence to RR BIO-1 and RR BIO-2, potential impacts to nesting migratory birds would be reduced to a less than significant level. Therefore, there would be less than significant impacts related to fish and wildlife species or plant community, which is consistent with analysis within TOP 2050 SEIR.

As discussed in Section *5.5, Cultural Resources*, there are no historic resources located with the Project site. In addition, because the site has previously been disturbed, there is reduced potential for the Project to impact archeological resources. However, the Project may result in excavation into the underlying older alluvium where undiscovered archaeological resources could exist, including archeological resources that are also

tribal cultural resources. As such, the Project would implement TOP 2050 SEIR Mitigation Measure 5-2, which would reduce impacts to less than significant. Therefore, the Project would not eliminate important examples of the major periods of California history or prehistory, and impacts would be less than significant with mitigation.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

Impacts Associated with the Proposed Project

No New Impact. The Project's potential cumulative impacts were analyzed in TOP 2050 SEIR as part of build out of the Project and would not result in new impacts beyond those analyzed in TOP 2050 SEIR. Therefore, the Project would not result in new or substantially more severe cumulatively considerable impact under any impact area, including aesthetics, air quality, cultural resources, GHG emissions, hazards and hazardous materials, land use and planning, noise, population and housing, public services, recreation, transportation and traffic, tribal cultural resources, utilities and service systems, or wildfires. With implementation of existing regulations and the relevant TOP 2050 SEIR mitigation measures, the Project would not result in any new significant impacts.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Impacts Associated with the Proposed Project

No New Impact. As described throughout Section 5, above, the Project has no new or substantially more severe potentially significant impacts and no new mitigation measures would be required. The implementation of TOP 2050 SEIR mitigation measures, City standards, and City guidelines would ensure that there would be no substantial adverse effects on human beings, either directly or indirectly. There would be no new impacts.

Conclusion

Based on the foregoing, none of the conditions identified in State CEQA Guidelines Section 15162 that would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts or mitigation measures exist. There have not been 1) changes related to development of the Project site that involve new significant environmental effects or a substantial increase in the severity of previously identified effects; 2) substantial changes with respect to the circumstances under which development of the Project site is undertaken that require major revisions of TOP 2050 SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or 3) the availability of new information of substantial importance relating to significant effects or mitigation measures or alternatives that were not known and could not have been known when TOP 2050 SEIR was certified as completed.

Because none of the conditions identified in State CEQA Guidelines Section 15162 would trigger the need to prepare a subsequent or supplemental EIR or other environmental document to evaluate Project impacts, State CEQA Guidelines 15168 also does not require additional environmental review.

Regulatory Requirements (RRs)
As outlined in Sections 5.1 through 5.20, above.

Project Design Features (PDFs)

As outlined in Sections 5.1 through 5.20, above.

Mitigation/Monitoring Required

As detailed previously, TOP 2050 SEIR mitigation measures that are applicable to the Project would be implemented for the Project as intended by TOP 2050 SEIR. Upon implementation of applicable EIR mitigation measures, no new impacts nor substantially more adverse impacts would result from the implementation of the Project; therefore, no new or revised mitigation measures are required. No refinements related to the Project are necessary to TOP 2050 SEIR mitigation measures and no new mitigation measures are required.

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7 References

Brian F. Smith and Associates, Inc. (BFSA 2022a). Cultural Resources Study for the 627 Bon View Project, prepared August 2022, Appendix C.

Brian F. Smith and Associates, Inc. (BFSA 2022b). Paleontological Resources Assessment for the 627 Bon View Project, prepared August 2022, Appendix F.

California Department of Conservation. California Important Farmland Finder. Accessed: https://maps.conservation.ca.gov/DLRP/CIFF/

California Department of Conservation. Earthquake Zones of Required Investigation. Accessed: https://maps.conservation.ca.gov/cgs/EQZApp/app/

California Department of Conservation. Mineral Land Classification. Accessed: https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=mlc

California Department of Finance. E-5 Population and Housing Estimates for Cities, Counties, and the State. Accessed: https://dof.ca.gov/forecasting/demographics/estimates/

California Department of Forestry and Fire Protection (CAL FIRE). Fire Hazard Severity Zone Maps. Accessed: https://osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/wildland-hazards-building-codes/fire-hazard-severity-zones-maps/

California Department of Toxic Substances Control. Envirostor. Accessed: https://www.envirostor.dtsc.ca.gov/public/

California Employment Development Department. Unemployment Rate and Labor Force. Accessed: https://www.labormarketinfo.edd.ca.gov/data/unemployment-and-labor-force.html

CalRecycle Landfill Tonnage Reports: https://www2.calrecycle.ca.gov/LandfillTipFees/

CalRecycle SWIS Facility/Site Activity Details. Badlands Sanitary Landfill (33-AA-0006). Accessed: https://www2.calrecycle.ca.gov/SolidWaste/SiteActivity/Details/2245?siteID=2367

CalRecycle SWIS Facility/Site Activity Details. El Sobrante Landfill (33-AA-0217). Accessed: https://www2.calrecycle.ca.gov/SolidWaste/Site/Summary/2402

Caltrans. 2018. California State Scenic Highway System Map. Accessed: https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa

Caltrans Vibration Guidance Manual, April 2020. https://dot.ca.gov/programs/environmental-analysis/noise-vibration/guidance-manuals

City of Ontario. Development Code. Accessed: https://www.ontarioca.gov/Planning/Applications

City of Ontario. 2022. The Ontario Plan 2050. Accessed: https://www.ontarioca.gov/OntarioPlan

City of Ontario. The Ontario Plan 2050 Final Supplemental Environmental Impact Report State Clearinghouse No. 2021070364. Accessed: https://www.ontarioca.gov/sites/default/files/Ontario-Files/Planning/The%20Ontario%20Plann/EIR/Final_DraftSEIR_TOP2050.pdf

City of Ontario. Municipal Code. Accessed: https://codelibrary.amlegal.com/codes/ontarioca/latest/ontario_ca/0-0-0-35678

City of Ontario. Preliminary Water Quality Management Plan, prepared August 2022. Appendix I.

City of Ontario. 2020 Urban Water Management Plan. Accessed: https://www.ontarioca.gov/sites/default/files/Ontario-Files/Municipal-Utilities-Company/Final%20Draft%20Ontario%202020%20Ontario%20UWMP.pdf

FEMA Flood Map Center. Accessed: https://msc.fema.gov/portal/home

Federal Transit Administration Transit Noise and Vibration Impact Assessment Manual (FTA 2018). Accessed: https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf

Hernandez Environmental Services. General Biological Assessment, prepared July 2022. Appendix B.

LSA. Air Quality, Health Risk, Greenhouse Gas, and Energy Impact Report, prepared November 2022. Appendix A.

LSA. Noise and Vibration Impact Analysis, prepared November 2022. Appendix K.

Nova Services, Inc. (NOVA 2022). Geotechnical Investigation, prepared May 2022. Appendix E.

Ontario International Airport Land Use Compatibility Plan. 2018. Accessed: https://www.ont-iac.com/airport-land-use-compatibility-plan/ont-alucp-chapter-1/

Omnitrans. Routes and Schedules. Accessed: https://omnitrans.org/plan-a-trip/routes-schedules/

South Coast Air Quality Management District (SCAQMD). 2008. Final Localized Significance Threshold Methodology. Accessed: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf

Stantec (Stantec 2022a). Limited Subsurface Soil Vapor Screening Assessment, prepared February 2022. Appendix H.

Stantec (Stantec 2021). Phase I Environmental Site Assessment, prepared December 2021. Appendix G.

Stantec (Stantec 2022b). Preliminary Hydrology Report, prepared August 2022. Appendix J.

Urban Crossroads. Ontario Bon View Vehicle Miles Traveled (VMT) Analysis, prepared November 2022. Appendix M.

Urbana Preservation and Planning (Urbana 2022). Historical Resources Summary, prepared September 2022. Appendix D.

2019 Building Energy Efficiency Standards. Accessed: https://energycodeace.com/site/custom/public/reference-ace-

2019/index.html#!Documents/section1500mandatoryfeaturesanddevices.htm#mairdistributionandventilationsystemductsplenumsandfans.htm

AIR QUALITY, HEALTH RISK, GREENHOUSE GAS, AND ENERGY IMPACT REPORT

627 BON VIEW WAREHOUSE PROJECT

ONTARIO, CALIFORNIA

LSA

November 2022

AIR QUALITY, HEALTH RISK, GREENHOUSE GAS, AND ENERGY IMPACT REPORT

627 BON VIEW WAREHOUSE PROJECT

ONTARIO, CALIFORNIA

Submitted to:

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November 2022

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LIST OF ABBREVIATIONS AND ACRONYMS

°C	degrees Celsius
°F	degrees Fahrenheit
µg/m^3	micrograms per cubic meter
AAQS	ambient air quality standards
AB	Assembly Bill
AQMP	Air Quality Management Plan
Basin	South Coast Air Basin
BAU	business-as-usual
BTU	British Thermal Units
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CAFE	corporate average fuel economy
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen Code	California Green Building Standards Code
CalRecycle	California Department of Resources Recycling and Recovery
CAP	Climate Action Plan
CARB	California Air Resources Board
CAT	California Climate Action Team
CBC	California Building Code
CBSC	California Building Standards Commission
CCAA	California Clean Air Act

CCAP	Community Climate Action Plan
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CH_4	methane
City	City of Ontario
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
County	County of San Bernardino
CPUC	California Public Utilities Commission
DPM	diesel particulate matter
EIA	Energy Information Administration
EIR	Environmental Impact Report
EMFAC	California Emissions Factor Model
EO	Executive Order
GGRP	Greenhouse Gas Reduction Plan
GHG	greenhouse gas
GWh	gigawatt-hours
GWP	global warming potential
H_2S	hydrogen sulfide
HFCs	hydrofluorocarbons
HI	Hazard Index
HRA	Health Risk Assessment

IPCC	Intergovernmental Panel on Climate Change
kWh	kilowatt-hour
lbs/day	pounds per day
LCFS	Low Carbon Fuel Standard
LEED	Leadership in Energy and Environmental Design
MEI	maximally exposed individual
mg/m^3	milligrams per cubic meter
MICR	maximum individual cancer risk
MMT	million metric tons
MMT CO_2e	million metric tons of carbon dioxide equivalent
mpg	miles per gallon
mph	miles per hour
MPO	Metropolitan Planning Organization
MT	metric tons
MT CO_2e	metric tons of carbon dioxide equivalent
N_2O	nitrous oxide
NAAQS	national ambient air quality standards
ND	no data available
NHTSA	National Highway Traffic Safety Administration
NO	nitric oxide
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
O_3	ozone (or smog)
OPR	Governor's Office of Planning and Research

PFCs	perfluorocarbons
PM	particulate matter
$PM_{2.5}$	particulate matter less than 2.5 microns in size
PM_{10}	particulate matter less than 10 microns in size
ppb	parts per billion
ppm	parts per million
PRC	Public Resources Code
project	627 Bon View Warehouse Project
ROCs	reactive organic compounds
ROGs	reactive organic gases
RPS	Renewables Portfolio Standard
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SAFE	Safer, Affordable, Fuel-Efficient (Vehicles)
SB	Senate Bill
SBCOG	San Bernardino Council of Governments
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SCS	Sustainable Communities Strategy
SF_6	sulfur hexafluoride
SO_2	sulfur dioxide
SO_X	sulfur oxides

SoCalGas	Southern California Gas Company
sq ft	square foot/feet
TAC	toxic air contaminant
UNFCCC	United Nations Framework Convention on Climate Change
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
VMT	vehicle miles traveled
VOCs	volatile organic compounds
ZEV	zero emission vehicle
ZNE	zero net energy

INTRODUCTION

This air quality, heath risk, energy, and greenhouse gas (GHG) impact report has been prepared to evaluate the potential air quality and GHG emissions impacts associated with the 627 Bon View Warehouse Project (project) in the City of Ontario (City), California. This report follows the guidelines identified by the South Coast Air Quality Management District (SCAQMD) in its California Environmental Quality Act (CEQA) *Air Quality Handbook*,[1] and associated updates. In keeping with these guidelines, this analysis describes existing air quality, air quality and GHG emissions generated from project-related sources, regional air pollution, and global climate change. In addition, this analysis discusses energy use resulting from implementation of the proposed project and evaluates whether the proposed project would result in the wasteful, inefficient, or unnecessary consumption of energy resources or conflict with any applicable plans for renewable energy and energy efficiency.

In addition, the proposed project is located within The Ontario Plan area; therefore, applicable mitigation measures from The Ontario Plan 2050 Final Supplemental Environmental Impact Report (FSEIR) are identified where applicable. This report has been prepared consistent with the requirements of The Ontario Plan 2050 FSEIR Mitigation Measures 3-1 and AQ-1, which require that prior to discretionary approval by the City of Ontario for development projects subject to CEQA, project applicants shall prepare and submit a technical assessment evaluating potential project construction- and operational-related air quality impacts to the City of Ontario Planning Department for review and approval. Consistent with the applicable mitigation measures, this evaluation has been prepared in conformance with SCAQMD methodology for assessing air quality impacts and identifies whether mitigation measures would be necessary as part of conditions of approval if air pollutants are determined to have the potential to exceed the SCAQMD thresholds of significance.

PROJECT LOCATION AND DESCRIPTION

The proposed project is located on 627 Bon View Avenue in the City of Ontario, San Bernardino County, California. The total project size would be approximately 10.05 acres. See Figure 1, Project Location and Vicinity, and Figure 2, Project Site Plan, below.

The proposed project would demolish the existing six structures on site, totaling 77,696 sq ft (sq ft) and construct two industrial warehouse buildings. Building 1 would be approximately 192,367 sq ft, and Building 2 would be approximately 46,091 sq ft, for a total of 238,458 sq ft of building area. The project would divide the 10.05-acre parcel into two separate parcels, with the northern parcel totaling 8.09 acres and the southern parcel totaling 1.90 acres. The proposed project would not require a change to the General Plan land use designation or the current zoning and would be consistent with the City's General Plan and Zoning Ordinance.

[1] South Coast Air Quality Management District (SCAQMD). 1993. *CEQA Air Quality Handbook*. Website: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993) (accessed October 2022).

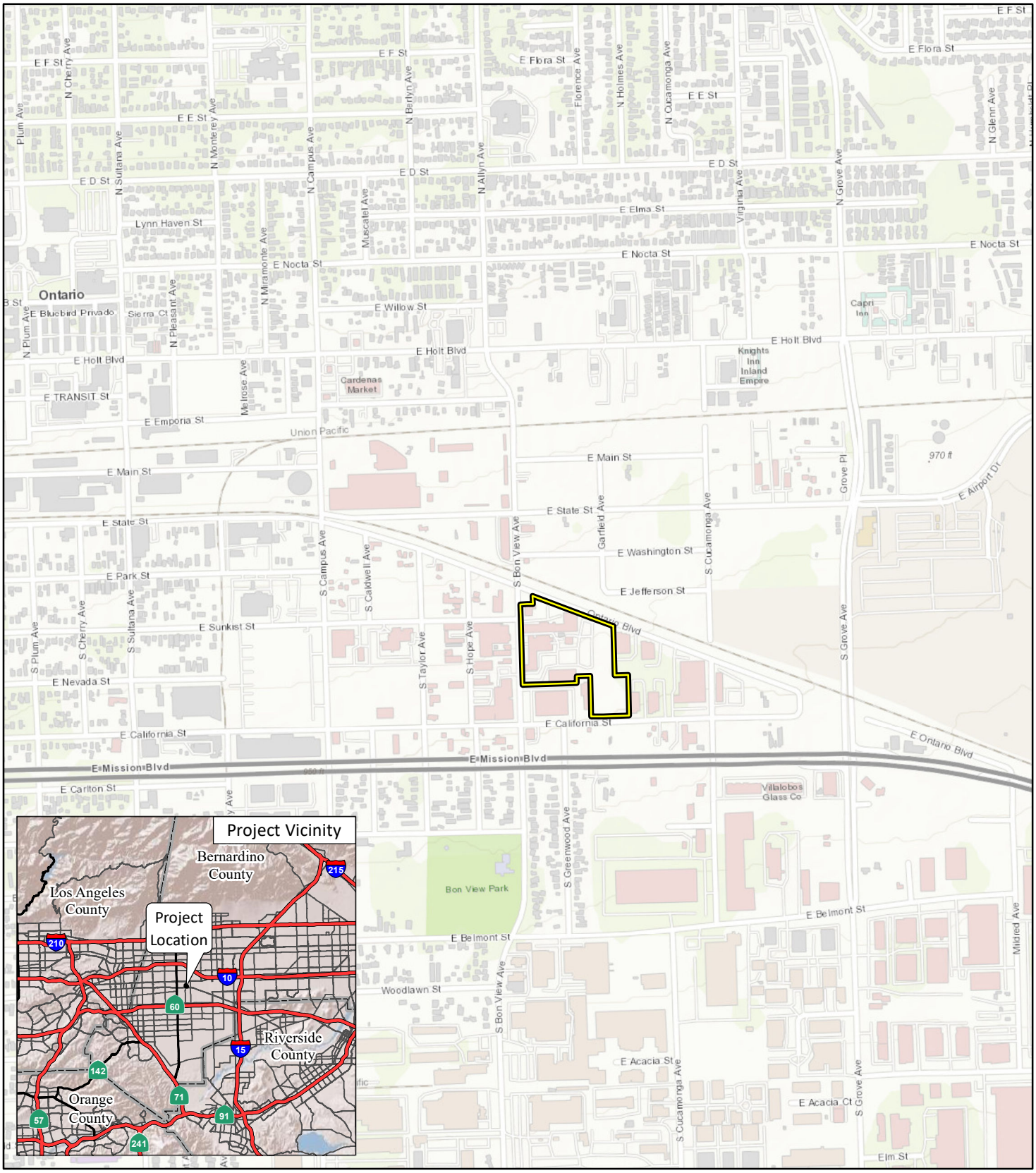

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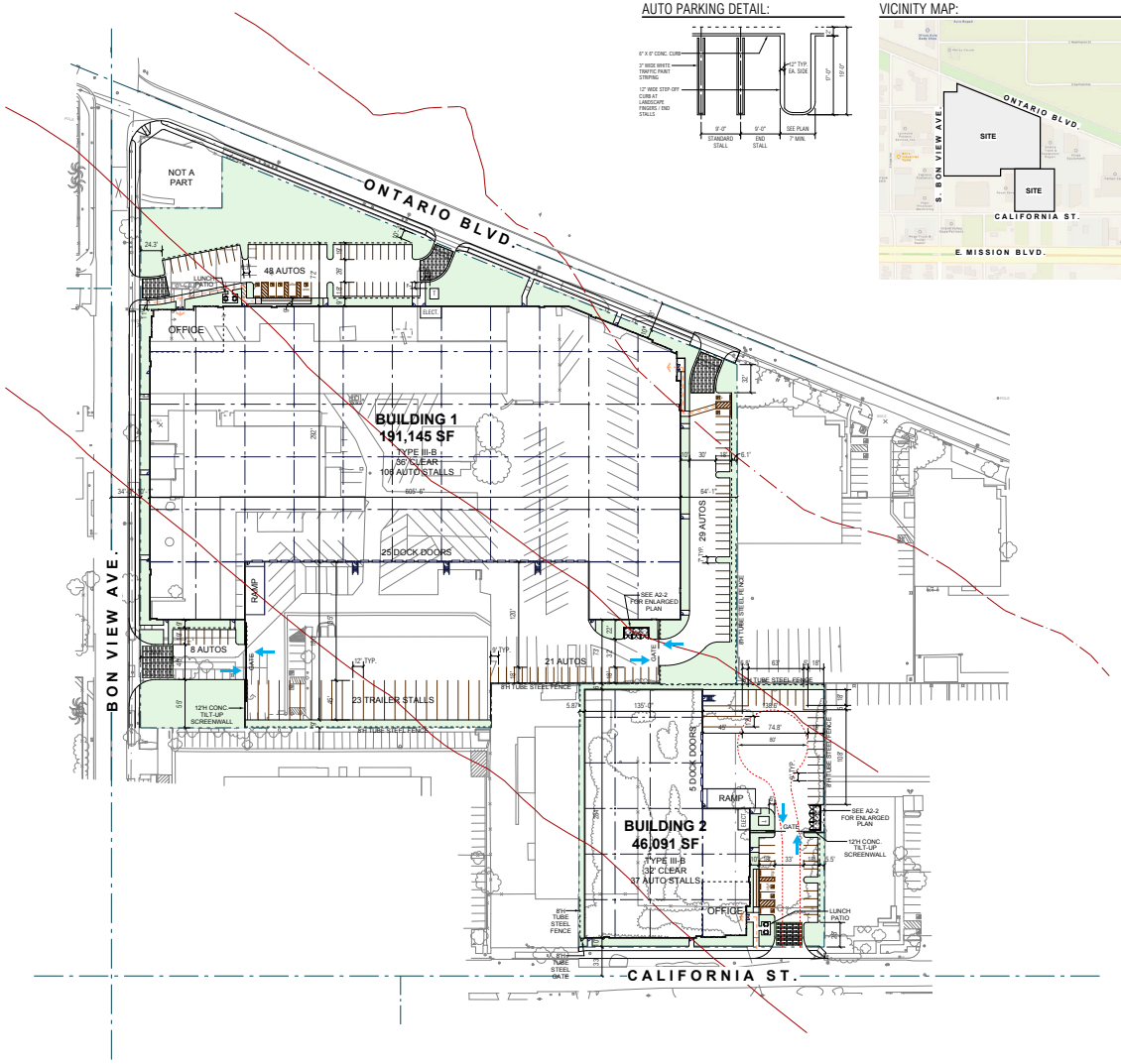
FIGURE 1

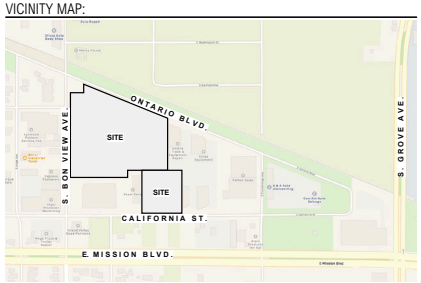
627 Bon View Industrial Project

Regional Project Location



AUTO PARKING DETAIL:

VICINITY MAP:



PROJECT DATA

	BUILDING 1		BUILDING 2		TOTAL	
SITE AREA	353,752	SF	83,839	SF	437,591	SF
	8.12	AC	1.92	AC	10.05	AC
BUILDING AREA						
FOOTPRINT	187,145	SF	46,091	SF	233,236	SF
MEZZANINE	4,000	SF	0	SF	4,000	SF
TOTAL	191,145	SF	46,091	SF	237,236	SF
FLOOR AREA BY USE						
OFFICE	8,000	SF	3,000	SF	11,000	SF
WAREHOUSE	183,145	SF	43,091	SF	226,236	SF
TOTAL	191,145	SF	46,091	SF	237,236	SF
COVERAGE	52.90%		54.98%		53.30%	
F.A.R.	0.540		0.550		0.542	
PARKING REQUIRED						
OFFICE (N.A. < 10%)	0		0		0	
WAREHOUSE < 20K SF @ 1/1000	20		20		40	
WAREHOUSE > 20K SF @ 1/2000	86		13		99	
TOTAL	106		33		139	
PARKING PROVIDED						
STANDARD STALLS	101		35		136	
ADA STALLS	5		2		7	
TOTAL	106		37		143	
LANDSCAPE AREA	53,500	SF	8,600	SF	62,100	SF
LANDSCAPE %	15.12%		10.26%		14.19%	
DOCK LOADING DOORS	25		5		30	
TRAILER PARKING REQUIRED	7		2		9	
TRAILER PARKING PROVIDED	20		2		22	

SITE INFORMATION:

APN'S: 1049-918-114

ZONE: IG (GENERAL INDUSTRIAL)

SETBACKS:
ONTARIO BLVD. 10'
BON VIEW AVE. 10'
CALIFORNIA ST. 10'

DRIVE AISLE TO PL: 10' EXT. / 5' INT.

PARKING TO BUILDINGS, WALLS, FENCES:
10' @ OFFICE AREAS
5' @ REMAINDER

DRIVE AISLE TO BUILDINGS, WALLS, FENCES:
10'
(0' INSIDE SCREENED YARD)

LANDSCAPE REQUIRED: 15% (CORNER LOT - BLDG 1)
10% (INTERIOR LOT - BLDG 2)

SITE LEGEND:

ADA PATH OF TRAVEL

NEW 6'H BLACK TUBE STEEL FENCE

LANDSCAPE AREA

DECORATE PAVING AT DRIVEWAYS: SAWCUT SCORE PATTERN W/ 24"X48" OFFSET PATTERN

SCE PAD-MOUNT TRANSFORMER

TYPICAL PARKING STALLS - 9' X 18' STRIPED PER CITY STANDARDS

PROJECT CONTACT LIST

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PHONE: 310-977-2857
E-MAIL:
CONTACT: JONAH CHODOSH

CIVIL ENGINEER:
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CONTACT: BRETT FRENCH

GENERAL NOTES:

1. EXISTING CONSTRUCTION SITE DEBRIS TO BE REMOVED.
2. THE SITE CURRENTLY SLOPES +/- 2 %.
3. NO SIGNS ARE PROPOSED WITH THIS APPLICATION PACKAGE.
4. ALL PROPOSED NEW ON-SITE UTILITY SERVICES SHALL BE UNDERGROUNDED.
5. DRIVEWAYS SHALL BE CONSTRUCTED PER CITY STANDARD PLAN.
6. DAMAGED SECTIONS OF CURB & GUTTER ALONG PUBLIC RIGHT OF WAY SHALL BE REPAIRED.
7. "SITE PLAN SHALL MEET ALL ENGINEERING AND NPDES REQUIREMENTS".
8. ALL EXTERIOR LIGHT SHALL BE A 1 FC MIN.
9. ALL BACKFLOW DEVICES SHALL HAVE A SECURE LOCKABLE CAGE AROUND IT.
10. SLOPES GREATER THAN 3:1 WILL REQUIRE JUTE NETTING WITH GROUNDCOVER.
11. ALL OUT SWINGING DOORS TO HAVE NON-REMOVABLE HINGE PINS.
12. ALL GATES ARE MANUALLY OPERATED AND ARE INTENDED TO REMAIN OPEN DURING BUSINESS HOURS.

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FIGURE 2

N

0 75 150

FEET

SOURCE: Van Dam Engineering

I:\ESL2201.23\G\Site_Plan.ai (10/27/2022)

627 Bon View Warehouse Project

Project Site Plan

Building 1 would be located on the northern parcel and would total 192,376 sq ft, inclusive of 4,000 sq ft of ground floor office space and 4,000 sq ft of mezzanine. 20 trailer stalls, and 106 standard parking spaces. In addition, approximately 53,500 sq ft of ornamental landscaping would be associated with Building 1.

Building 2 would be located on the southern parcel and would total 46,091 sq ft, inclusive of 3,000 sq ft of ground floor office space. Building 2 would include 5 dock doors, 2 trailer stalls, and 37 standard parking spaces. Approximately 8,600 sq ft of ornamental landscaping would be associated with Building 2.

Typical operational characteristics include employees traveling to and from the site, delivery of products to the site, and truck loading and unloading. The project is assumed to operate 24 hours per day, 7 days per week; however, these may shift depending on the tenant, as the hours of operation are unknown. The project would be operated as two individual warehouses. The proposed project would generate a total of 554 average daily trips, including 345 passenger vehicle trips, 61 two-axle truck trips, 29 three-axle truck trips, and 119 four-axle truck trips.

Construction would begin the third quarter of 2023 and would be anticipated to last for approximately 15 months, with project operations beginning in the fourth quarter of 2024. Construction activities for the project would occur over one phase and would include demolition, site preparation, grading, building construction, paving, and architectural coating activities. Based on the preliminary grading plans, the project site would be balanced, no import or export of soil would be required.

EXISTING LAND USES IN THE PROJECT AREA

For the purposes of this analysis, sensitive receptors are areas of the population that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include residences, schools, daycare centers, hospitals, parks, and similar uses that are sensitive to air quality. Impacts on sensitive receptors are of particular concern because those receptors are the population most vulnerable to the effects of air pollution.[2] The project site is surrounded primarily by industrial, office uses, and residential areas. The areas adjacent to the project site include the following uses: East Ontario Boulevard and existing rail lines to the north, existing industrial uses to the east, existing industrial land uses and a single-family residence to the south opposite East California Street, and office and industrial uses to the west opposite South Bon View Avenue.

The closest sensitive receptors to the project site are residential uses such as a single-family home located approximately 179 feet south of the project site opposite East California Street. Further single-family homes are located south of the project site about 540 feet opposite Mission Boulevard.

[2] South Coast Air Quality Management District (SCAQMD). 1993. *CEQA Air Quality Handbook*. Website: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993) (accessed October 2022).

The Ontario Plan 2050 FSEIR

As identified above, the project site is within The Ontario Plan area. The Ontario Plan 2050 is an update to the previous The Ontario Plan; therefore, The Ontario Plan 2050 FSEIR relies on the findings of the 2009 Draft EIR, 2010 Recirculated Draft EIR, and 2010 Final EIR (collectively referred to as the 2010 Certified EIR). The Ontario Plan 2050 FSEIR identified the following mitigation measures that would apply to the proposed project and that would help to reduce and avoid potential impacts related to air quality:

3-1 Prior to discretionary approval by the City of Ontario for development projects subject to CEQA (California Environmental Quality Act) review (i.e., nonexempt projects), project applicants shall prepare and submit a technical assessment evaluating potential project construction-related air quality impacts to the City of Ontario Planning Department for review and approval. The evaluation shall be prepared in conformance with South Coast Air Quality Management District (South Coast AQMD) methodology for assessing air quality impacts. If construction-related criteria air pollutants are determined to have the potential to exceed the South Coast AQMD–adopted thresholds of significance, the City of Ontario Building Department shall require feasible mitigation measures to reduce air quality emissions. Potential measures shall be incorporated as conditions of approval for a project and may include:

- Require fugitive dust control measures that exceed South Coast Air Quality Management District's Rule 403, such as:
    - Requiring use of nontoxic soil stabilizers to reduce wind erosion.
    - Applying water every four hours to active soil disturbing activities.
    - Tarping and/or maintaining a minimum of 24 inches of freeboard on trucks hauling dirt, sand, soil, or other loose materials.
- Using construction equipment rated by the United States Environmental Protection Agency as having Tier 4 interim or higher exhaust emission limits.
- Ensuring construction equipment is properly serviced and maintained to the manufacturer's standards.
- Limiting nonessential idling of construction equipment to no more than five consecutive minutes.
- Using Super-Compliant VOC paints for coating of architectural surfaces whenever possible. A list of Super-Compliant architectural coating manufactures can be found on the South Coast Air Quality Management District's website at: http://www.aqmd.gov/prdas/brochures/SuperCompliant_AIM.pdf.

These identified measures shall be incorporated into all appropriate construction documents (e.g., construction management plans) submitted to the City and shall be verified by the City's Planning Department.

3-2 The City of Ontario shall evaluate new development proposals within the City and require all developments to include access or linkages to alternative modes of transportation, such as transit stops, bike paths, and/or pedestrian paths (e.g., sidewalks).

AQ 1 Prior to discretionary approval by the City of Ontario for development projects subject to CEQA (California Environmental Quality Act) review (i.e., nonexempt projects), project applicants shall prepare and submit a technical assessment evaluating potential project operation-phase-related air quality impacts to the City of Ontario Planning Department for review and approval. The evaluation shall be prepared in conformance with South Coast Air Quality Management District (South Coast AQMD) methodology in assessing air quality impacts. If operation-related air pollutants are determined to have the potential to exceed the South Coast AQMD–adopted thresholds of significance, the City of Ontario Planning Department shall require that applicants for new development projects incorporate mitigation measures to reduce air pollutant emissions during operational activities. The identified measures shall be included as part of the conditions of approval. Possible mitigation measures to reduce long-term emissions could include, but are not limited to the following:

- For site-specific development that requires refrigerated vehicles, the construction documents shall demonstrate an adequate number of electrical service connections at loading docks for plug-in of the anticipated number of refrigerated trailers to reduce idling time and emissions.

- Applicants for manufacturing and light industrial uses shall consider energy storage and combined heat and power in appropriate applications to optimize renewable energy generation systems and avoid peak energy use.

- Site-specific developments with truck delivery and loading areas and truck parking spaces shall include signage as a reminder to limit idling of vehicles while parked for loading/unloading in accordance with California Air Resources Board Rule 2845 (13 CCR Chapter 10 sec. 2485).

- Provide changing/shower facilities as specified in Section A5.106.4.3 of CALGreen (Nonresidential Voluntary Measures).

- Provide bicycle parking facilities per Section A4.106.9 of CALGreen (Residential Voluntary Measures).

- Provide preferential parking spaces for low-emitting, fuel-efficient, and carpool/van vehicles per Section A5.106.5.1 of CALGreen (Nonresidential Voluntary Measures).

- Provide facilities to support electric charging stations per Section A5.106.5.3 and Section A5.106.8.2 of CALGreen (Nonresidential Voluntary Measures; Residential Voluntary Measures).

- Applicant-provided appliances shall be Energy Star–certified appliances or appliances of equivalent energy efficiency (e.g., dishwashers, refrigerators, clothes washers, and dryers). Installation of Energy Star-certified or equivalent appliances shall be verified by the City during plan check.

BACKGROUND

This section provides current background information on air pollutants and GHG emissions and their health effects. It also provides current regulatory background information, including information from the California Air Resources Board's (CARB) Air Quality and Land Use Handbook[3] (CARB Handbook); a description of the general health risks of toxics, and the significance criteria for project evaluation. In addition, this section provides background information on energy usage in the project area and provides regulatory background information, including federal, State, and local energy regulations.

AIR POLLUTANTS AND HEALTH EFFECTS

Both State and federal governments have established health-based ambient air quality standards (California Ambient Air Quality Standards [CAAQS] and National Ambient Air Quality Standards [NAAQS], respectively) for six criteria air pollutants:[4] carbon monoxide (CO), ozone (O_3), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), lead (Pb), and suspended particulate matter (PM). In addition, the State has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety. Long-term exposure to elevated levels of criteria pollutants may result in adverse health effects. However, emission thresholds established by an air district are used to manage total regional emissions within an air basin based on the air basin's attainment status for criteria pollutants. These emission thresholds were established for individual projects that would contribute to regional emissions and pollutant concentrations and could adversely affect or delay the projected attainment target year for certain criteria pollutants.

Because of the conservative nature of the thresholds and the basin-wide context of individual project emissions, there is no known direct correlation between a single project and localized air quality-related health effects. One individual project that generates emissions exceeding a threshold does not necessarily result in adverse health effects for residents in the project vicinity. This condition is especially true when the criteria pollutants exceeding thresholds are those with regional effects, such as ozone precursors like nitrogen oxides (NO_X) and volatile organic compounds (VOCs).

Occupants of facilities such as schools, daycare centers, parks and playgrounds, hospitals, and nursing and convalescent homes are considered to be more sensitive than the general public to air pollutants because these population groups have increased susceptibility to respiratory disease. Persons engaged in strenuous outdoor work or exercise also have increased sensitivity to poor air quality. Residential areas are considered more sensitive to air quality conditions, compared to commercial and industrial areas, because people generally spend longer periods of time at their residences, with greater associated exposure to ambient air quality conditions. Recreational uses

[3] California Air Resources Board (CARB). 2005. *Air Quality and Land Use Handbook: A Community Health Perspective.* April.

[4] Criteria pollutants are defined as those pollutants for which the federal and State governments have established ambient air quality standards, or criteria, for outdoor concentrations in order to protect public health.

are also considered sensitive compared to commercial and industrial uses due to greater exposure to ambient air quality conditions associated with exercise.

Ozone

Rather than being directly emitted, ozone (smog) is formed by photochemical reactions between NO_X and VOC. Ozone is a pungent, colorless gas. Elevated ozone concentrations result in reduced lung function, particularly during vigorous physical activity. This health problem is particularly acute in sensitive receptors such as the sick, elderly, and young children. Ozone levels peak during the summer and early fall months.

Carbon Monoxide

CO is formed by the incomplete combustion of fossil fuels, almost entirely from automobiles. It is a colorless, odorless gas that can cause dizziness, fatigue, and impairments to central nervous system functions. CO passes through the lungs into the bloodstream, where it interferes with the transfer of oxygen to body tissues.

Particulate Matter

PM is the term used for a mixture of solid particles and liquid droplets found in the air. Coarse particles are those that are 10 microns or less in diameter, or PM_{10}. Fine, suspended particulate matter with an aerodynamic diameter of 2.5 microns or less, or $PM_{2.5}$, is not readily filtered out by the lungs. Nitrates, sulfates, dust, and combustion particulates are major components of PM_{10} and $PM_{2.5}$. These small particles can be directly emitted into the atmosphere as byproducts of fuel combustion; through abrasion, such as tire or brake lining wear; or through fugitive dust (wind or mechanical erosion of soil). They can also be formed in the atmosphere through chemical reactions. Particulates may transport carcinogens and other toxic compounds that adhere to the particle surfaces and can enter the human body through the lungs.

Nitrogen Dioxide

NO_2 is a reddish brown gas that is a byproduct of combustion processes. Automobiles and industrial operations are the main sources of NO_2. Aside from its contribution to ozone formation, NO_2 also contributes to other pollution problems, including a high concentration of fine PM, poor visibility, and acid deposition. NO_2 may be visible as a coloring component on high pollution days, especially in conjunction with high ozone levels. NO_2 decreases lung function and may reduce resistance to infection.

Sulfur Dioxide

SO_2 is a colorless, irritating gas formed primarily from incomplete combustion of fuels containing sulfur. Industrial facilities also contribute to gaseous SO_2 levels in the region. SO_2 irritates the respiratory tract, can injure lung tissue when combined with fine PM, and reduces visibility and the level of sunlight.

Lead

Leaded gasoline (phased out in the United States beginning in 1973), paint (on older houses and cars), smelters (metal refineries), and the manufacture of lead storage batteries have been the primary sources of lead released into the atmosphere. Lead has multiple adverse neurotoxic health effects, and children are at special risk. Some lead-containing chemicals cause cancer in animals. Lead levels in the air have decreased substantially since leaded gasoline was eliminated. Ambient lead concentrations are only monitored on an as-warranted, site-specific basis in California. On October 15, 2008, the United States Environmental Protection Agency (USEPA) strengthened the NAAQS for lead by lowering it from 1.5 to 0.15 micrograms per cubic meter ($\mu g/m^3$). The USEPA revised the monitoring requirements for lead in December 2010. These requirements focus on airports and large urban areas, resulting in an increase in 76 monitors nationally.

Volatile Organic Compounds

VOCs (also known as reactive organic gases [ROGs] and reactive organic compounds [ROCs]) are formed from the combustion of fuels and the evaporation of organic solvents. VOCs are not defined as criteria pollutants, however, because VOCs accumulate in the atmosphere more quickly during the winter, when sunlight is limited and photochemical reactions are slower, they are a prime component of the photochemical smog reaction. There are no attainment designations for VOCs.

Toxic Air Contaminants

In addition to the criteria pollutants discussed above, toxic air contaminants (TACs) are another group of pollutants of concern. TACs are injurious in small quantities and are regulated by the USEPA and the CARB. Some examples of TACs include benzene, butadiene, formaldehyde, and hydrogen sulfide. The identification, regulation, and monitoring of TACs is relatively recent compared to that for criteria pollutants.

TACs do not have ambient air quality standards, but are regulated by the USEPA, CARB, and the SCAQMD. In 1998, the CARB identified particulate matter from diesel-fueled engines as a TAC. The CARB has completed a risk management process that identified potential cancer risks for a range of activities using diesel-fueled engines.[5] High-volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic (e.g., distribution centers and truck stops) were identified as posing the highest risk to adjacent receptors. Other facilities associated with increased risk include warehouse distribution centers, large retail or industrial facilities, high-volume transit centers, and schools with a high volume of bus traffic. Health risks from TACs are a function of both concentration and duration of exposure.

Unlike TACs emitted from industrial and other stationary sources noted above, most diesel particulate matter (DPM) is emitted from mobile sources—primarily "off-road" sources such as construction and mining equipment, agricultural equipment, and truck-mounted refrigeration units, as well as "on-road" sources such as trucks and buses traveling on freeways and local roadways.

[5] CARB. 2000. Stationary Source Division and Mobile Source Control Division. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.* October.

Although not specifically monitored, recent studies indicate that exposure to DPM may contribute significantly to a cancer risk (a risk of approximately 500 to 700 in 1,000,000) that is greater than all other measured TACs combined.[6] The technology for reducing DPM emissions from heavy-duty trucks is well established, and both State and federal agencies are moving aggressively to regulate engines and emission control systems to reduce and remediate diesel emissions. The CARB anticipated that by 2020, average statewide DPM concentrations will decrease by 85 percent from levels in 2000 with full implementation of the CARB's Diesel Risk Reduction Plan,[7] meaning that the statewide health risk from DPM is expected to decrease from 540 cancer cases in 1,000,000 to 21.5 cancer cases in 1,000,000. The CARB 2000 Diesel Risk Reduction Plan is still the most recent version and has not been updated.

Table A summarizes the sources and health effects of air pollutants discussed in this section. Table B presents a summary of CAAQS and NAAQS.

Table A: Sources and Health Effects of Air Pollutants

Pollutants	Sources	Primary Effects
Carbon Monoxide (CO)	• Incomplete combustion of fuels and other carbon-containing substances, such as motor exhaust • Natural events, such as decomposition of organic matter	• Reduced tolerance for exercise • Impairment of mental function • Impairment of fetal development • Death at high levels of exposure • Aggravation of some heart diseases (angina)
Nitrogen Dioxide (NO_2)	• Motor vehicle exhaust • High temperature stationary combustion • Atmospheric reactions	• Aggravation of respiratory illness • Reduced visibility • Reduced plant growth • Formation of acid rain
Ozone (O_3)	• Atmospheric reaction of organic gases with nitrogen oxides in sunlight	• Aggravation of respiratory and cardiovascular diseases • Irritation of eyes • Impairment of cardiopulmonary function • Plant leaf injury
Lead (Pb)	• Contaminated soil	• Impairment of blood functions and nerve construction • Behavioral and hearing problems in children
Suspended Particulate Matter ($PM_{2.5}$ and PM_{10})	• Stationary combustion of solid fuels • Construction activities • Industrial processes • Atmospheric chemical reactions	• Reduced lung function • Aggravation of the effects of gaseous pollutants • Aggravation of respiratory and cardiorespiratory diseases • Increased cough and chest discomfort • Soiling • Reduced visibility
Sulfur Dioxide (SO_2)	• Combustion of sulfur-containing fossil fuels • Smelting of sulfur-bearing metal ores Industrial processes	• Aggravation of respiratory diseases (asthma, emphysema) • Reduced lung function • Irritation of eyes • Reduced visibility • Plant injury • Deterioration of metals, textiles, leather, finishes, coatings, etc.

Source: California Air Resources Board (2015).

6 CARB. 2000. Stationary Source Division and Mobile Source Control Division. *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles.* October.

7 Ibid.

Table B: Federal and State Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[a]		Federal Standards[b]		
		Concentration[c]	Method[d]	Primary[c,e]	Secondary[c,f]	Method[g]
Ozone (O_3)[h]	1-Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.07 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM_{10})[i]	24-Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		–		
Fine Particulate Matter ($PM_{2.5}$)[i]	24-Hour	-		35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12.0 µg/m³		
Carbon Monoxide (CO)	8-Hour	9.0 ppm (10 mg/m³)	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m³)	–	Non-Dispersive Infrared Photometry (NDIR)
	1-Hour	20 ppm (23 mg/m³)		35 ppm (40 mg/m³)		
	8-Hour (Lake Tahoe)	6 ppm (7 mg/m³)		–	–	
Nitrogen Dioxide (NO_2)[j]	Annual Arithmetic Mean	0.03 ppm (57 µg/m³)	Gas Phase Chemi-luminescence	53 ppb (100 µg/m³)	Same as Primary Standard	Gas Phase Chemi-luminescence
	1-Hour	0.18 ppm (339 µg/m³)		100 ppb (188 µg/m³)	-	
Lead (Pb)[l,m]	30-Day Average	1.5 µg/m³	Atomic Absorption	–	–	High-Volume Sampler and Atomic Absorption
	Calendar Quarter	–		1.5 µg/m³ (for certain areas)[l]	Same as Primary Standard	
	Rolling 3-Month Average[i]	–		0.15 µg/m³		
Sulfur Dioxide (SO_2)[k]	24-Hour	0.04 ppm (105 µg/m3)	Ultraviolet Fluorescence	0.14 ppm (for certain areas)	–	Ultraviolet Fluorescence; Spectro-photometry (Pararosaniline Method)
	3-Hour	–		–	0.5 ppm (1300 µg/m³)	
	1-Hour	0.25 ppm (655 µg/m³)		75 ppb (196 µg/m³)[k]	–	
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas)[k]	–	
Visibility-Reducing Particles[l]	8-Hour	See footnote n	Beta Attenuation and Transmittance through Filter Tape.	No Federal Standards		
Sulfates	24-Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[j]	24-Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

Source: California Air Resources Board (2016) (Website: https://www.arb.ca.gov/research/aaqs/aaqs2.pdf).

Table notes are provided on the following page.

[a] California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

[b] National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact USEPA for further clarification and current national policies.

[c] Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

[d] Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.

[e] National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

[f] National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[g] Reference method as described by the USEPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the USEPA.

[h] On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

[i] On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m^3 to 12.0 µg/m^3. The existing national 24- hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m^3, as was the annual secondary standard of 15 µg/m^3. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m^3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

[j] To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

[k] On June 2, 2010, a new 1-hour SO_2 standard was established, and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

[l] The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[m] The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 µg/m^3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

[n] In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

°C = degrees Celsius
µg/m^3 = micrograms per cubic meter
CARB = California Air Resources Board
mg/m^3 = milligrams per cubic meter
ppb = parts per billion
ppm = parts per million
USEPA = United States Environmental Protection Agency

ENERGY

Electricity

Electricity is a manmade resource. The production of electricity requires the consumption or conversion of energy resources (including water, wind, oil, gas, coal, solar, geothermal, and nuclear resources) into energy. Electricity is used for a variety of purposes (e.g., lighting, heating, cooling, and refrigeration, and for operating appliances, computers, electronics, machinery, and public transportation systems).

According to the most recent data available, in 2020, California's electricity was generated primarily by natural gas (37.06 percent), renewable sources (33.09 percent), large hydroelectric (12.21 percent), nuclear (9.33 percent), coal (2.74 percent), and other and unspecified sources. Total electric generation in California in 2020 was 272,576 gigawatt-hours (GWh), down 2 percent from the 2019 total generation of 277,704 GWh.[8]

The project site is within the service territory of Southern California Edison (SCE). SCE provides electricity to more than 15 million people in a 50,000-square-mile (sq mi) area of Central, Coastal, and Southern California.[9] According to the California Energy Commission (CEC), total electricity consumption in the SCE service area in 2020 was 83,532.6 GWh (32,475 GWh for the residential sector and 51,057 GWh for the non-residential sector). Total electricity consumption in San Bernardino County in 2020 was 15,968.5 GWh (6,103 GWh for the residential sector).[10]

Natural Gas

Natural gas is a non-renewable fossil fuel. Fossil fuels are formed when layers of decomposing plant and animal matter are exposed to intense heat and pressure under the surface of the Earth over millions of years. Natural gas is a combustible mixture of hydrocarbon compounds (primarily methane) that is used as a fuel source. Natural gas is found in naturally occurring reservoirs in deep underground rock formations. Natural gas is used for a variety of uses (e.g., heating buildings, generating electricity, and powering appliances such as stoves, washing machines and dryers, gas fireplaces, and gas grills).

Natural gas consumed in California is used for electricity generation (45 percent), residential uses (21 percent), industrial uses (25 percent), and commercial uses (9 percent). California continues to depend on out-of-state imports for nearly 90 percent of its natural gas supply.[11]

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8 California Energy Commission (CEC). 2021a. *2020 Total System Electric Generation*. Website: https://www.energy.ca.gov/data-reports/energy-almanac/california-electricity-data/2020-total-system-electric-generation (accessed October 2022).

9 Southern California Edison (SCE). 2020. About Us. Website: https://www.sce.com/about-us/who-we-are (accessed October 2022).

10 CEC. 2020b. Electricity Consumption by County and Entity. Website: http://www.ecdms.energy.ca.gov/elecbycounty.aspx and http://www.ecdms.energy.ca.gov/elecbyutil.aspx (accessed October 2022).

11 CEC. 2021d. Supply and Demand of Natural Gas in California. Website: https://www.energy.ca.gov/data-reports/energy-almanac/californias-natural-gas-market/supply-and-demand-natural-gas-california (accessed October 2022).

The Southern California Gas Company (SoCalGas) is the natural gas service provider for the project site. SoCalGas provides natural gas to approximately 21.8 million people in a 24,000 sq mi service area throughout Central and Southern California, from Visalia to the Mexican border.[12] According to the CEC, total natural gas consumption in the SoCalGas service area in 2020 was 5,231 million therms (2,426 million therms for the residential sector). Total natural gas consumption in San Bernardino County in 2020 was 527 million therms (267 million therms for the residential sector).[13]

Fuel

Petroleum is also a non-renewable fossil fuel. Petroleum is a thick, flammable, yellow-to-black mixture of gaseous, liquid, and solid hydrocarbons that occurs naturally beneath the earth's surface. Petroleum is primarily recovered by oil drilling. It is refined into a large number of consumer products, primarily fuel oil, gasoline, and diesel.

The average fuel economy for light-duty vehicles (autos, pickups, vans, and SUVs) in the United States has steadily increased from about 14.9 miles per gallon (mpg) in 1980 to 22.9 mpg in 2020.[14] Federal fuel economy standards have changed substantially since the Energy Independence and Security Act was passed in 2007. The Act, which originally mandated a national fuel economy standard of 35 mpg by year 2020[15], applies to cars and light trucks of Model Years 2011 through 2020. In March 2020, the United States Environmental Protection Agency (USEPA) and National Highway Traffic Safety Administration (NHTSA) finalized the Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021–2026 Passenger Cars and Light Trucks, further detailed below.

Gasoline is the most used transportation fuel in California, with 97 percent of all gasoline being consumed by light-duty cars, pickup trucks, and sport utility vehicles. According to the most recent data available, total gasoline consumption in California was 289,918 thousand barrels or 1,464.7 trillion British Thermal Units (BTU) in 2020.[16] Of the total gasoline consumption, 273,289 thousand barrels or 1,380.7 trillion BTU were consumed for transportation.[17] Based on fuel consumption obtained from CARB's California Emissions Factor Model, Version 2021 (EMFAC2021), approximately 321.6 million gallons of diesel and approximately 917.9 million gallons of gasoline will be consumed from vehicle trips in San Bernardino County in 2022.

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12 Southern California Gas Company (SoCalGas). 2020. About SoCalGas. Website: https://www3.socalgas.com/about-us/company-profile (accessed October 2022).

13 CEC. 2020c. Gas Consumption by County and Entity. Website: http://www.ecdms.energy.ca.gov/gasbycounty.aspx and http://www.ecdms.energy.ca.gov/gasbyutil.aspx (accessed October 2022).

14 U.S. Department of Transportation (USDOT). "Table 4-23: Average Fuel Efficiency of U.S. Light Duty Vehicles." Website: https://www.bts.dot.gov/bts/bts/content/average-fuel-efficiency-us-light-duty-vehicles (accessed October 2022).

15 U.S. Department of Energy. 2007. "Energy Independence & Security Act of 2007." Website: https://www.afdc.energy.gov/laws/eisa (accessed October 2022).

16 A British Thermal Unit is defined as the amount of heat required to raise the temperature of one pound of water by one degree Fahrenheit.

17 U.S. Department of Energy, EIA. 2021a. California State Profile and Energy Estimates. Table F3: Motor gasoline consumption, price, and expenditure estimates, 2020. Website: eia.gov/state/seds/data.php?incfile=/state/seds/sep_fuel/html/fuel_mg.html&sid=CA (accessed October 2022).

GREENHOUSE GASES AND GLOBAL CLIMATE CHANGE

Global climate change is the observed increase in the average temperature of the Earth's atmosphere and oceans in recent decades. The Earth's average near-surface atmospheric temperature rose 0.6 ± 0.2° Celsius (°C) or 1.1 ± 0.4° Fahrenheit (°F) in the 20th century. The prevailing scientific opinion on climate change is that most of the warming observed over the last 50 years is attributable to human activities. The increased amounts of carbon dioxide (CO_2) and other GHGs are the primary causes of the human-induced component of warming. GHGs are released by the burning of fossil fuels, land clearing, agriculture, and other activities, and lead to an increase in the greenhouse effect.[18]

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced global climate change are:

- CO_2
- Methane (CH_4)
- Nitrous oxide (N_2O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur hexafluoride (SF_6)

Over the last 200 years, humans have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere, and enhancing the natural greenhouse effect, which is believed to be causing global warming. While manmade GHGs include naturally-occurring GHGs such as CO_2, methane, and N_2O, some gases, like HFCs, PFCs, and SF_6 are completely new to the atmosphere.

Certain gases, such as water vapor, are short-lived in the atmosphere. Others remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is excluded from the list of GHGs above because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation. For the purposes of this air quality analysis, the term "GHGs" will refer collectively to the six gases listed above.

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The global warming potential is based on several factors, including the relative effectiveness of a gas to absorb infrared radiation and length of time that the gas remains in the atmosphere

[18] The temperature on Earth is regulated by a system commonly known as the "greenhouse effect." Just as the glass in a greenhouse lets heat from sunlight in and reduces the heat escaping, greenhouse gases like carbon dioxide, methane, and nitrous oxide in the atmosphere keep the Earth at a relatively even temperature. Without the greenhouse effect, the Earth would be a frozen globe; thus, although an excess of greenhouse gas results in global warming, the naturally occurring greenhouse effect is necessary to keep our planet at a comfortable temperature.

("atmospheric lifetime"). The GWP of each gas is measured relative to carbon dioxide, the most abundant GHG; the definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO_2 over a specified time period. GHG emissions are typically measured in terms of pounds or tons of "CO_2 equivalents" (CO_2e). Table C shows the GWP for each type of GHG. For example, SF_6 is 22,800 times more potent at contributing to global warming than CO_2.

Table C: Global Warming Potential of Greenhouse Gases

Gas	Atmospheric Lifetime (Years)	Global Warming Potential (100-Year Time Horizon)
Carbon Dioxide	50-200	1
Methane	12	25
Nitrous Oxide	114	298
HFC-23	270	14,800
HFC-134a	14	1,430
HFC-152a	1.4	124
PFC: Tetrafluoromethane (CF_4)	50,000	7,390
PFC: Hexafluoromethane (C_2F_6)	10,000	12,200
Sulfur Hexafluoride (SF_6)	3,200	22,800

Source: *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the IPCC* (Intergovernmental Panel on Climate Change, 2007).

The following discussion summarizes the characteristics of the six GHGs and black carbon.

Carbon Dioxide

In the atmosphere, carbon generally exists in its oxidized form, as CO_2. Natural sources of CO_2 include the respiration (breathing) of humans, animals and plants, volcanic out gassing, decomposition of organic matter and evaporation from the oceans. Human caused sources of CO_2 include the combustion of fossil fuels and wood, waste incineration, mineral production, and deforestation. Natural sources release approximately 150 billion tons of CO_2 each year, far outweighing the 7 billion tons of man-made emissions of CO_2 each year. Nevertheless, natural removal processes, such as photosynthesis by land- and ocean-dwelling plant species, cannot keep pace with this extra input of man-made CO_2, and consequently, the gas is building up in the atmosphere.

In 2019, total annual CO_2 accounted for approximately 83 percent of California's overall GHG emissions.[19] Transportation is the single largest source of CO_2 in California, which is primarily comprised of on-road travel. Electricity production, industrial and residential sources also make important contributions to CO_2 emissions in California.

Methane

Methane is produced when organic matter decomposes in environments lacking sufficient oxygen. Natural sources include wetlands, termites, and oceans. Decomposition occurring in landfills accounts for the majority of human-generated CH_4 emissions in California and in the United States

[19] CARB. 2021. GHGs Descriptions & Sources in California. Website: ww2.arb.ca.gov/ghg-descriptions-sources (accessed October 2022).

as a whole. Agricultural processes such as intestinal fermentation, manure management, and rice cultivation are also significant sources of CH_4 in California. Total annual emissions of CH_4 accounted for approximately 9 percent of GHG emissions in California.[20]

Nitrous Oxide

Nitrous oxide is produced naturally by a wide variety of biological sources, particularly microbial action in soils and water. Tropical soils and oceans account for the majority of natural source emissions. Nitrous oxide is a product of the reaction that occurs between nitrogen and oxygen during fuel combustion. Both mobile and stationary combustion emit N_2O, and the quantity emitted varies according to the type of fuel, technology, and pollution control device used, as well as maintenance and operating practices. Agricultural soil management and fossil fuel combustion are the primary sources of human-generated N_2O emissions in California. Nitrous oxide emissions accounted for approximately 3 percent of GHG emissions in California in 2019.[21]

Hydrofluorocarbons, Perfluorocarbons, and Sulfur Hexafluoride

HFCs are primarily used as substitutes for ozone-depleting substances regulated under the Montreal Protocol.[22] PFCs and SF_6 are emitted from various industrial processes, including aluminum smelting, semiconductor manufacturing, electric power transmission and distribution, and magnesium casting. There is no aluminum or magnesium production in California; however, the rapid growth in the semiconductor industry leads to greater use of PFCs. HFCs, PFCs, and SF_6 accounted for about 5 percent of GHG emissions in California in 2019.[23]

Black Carbon

Black carbon is the most strongly light-absorbing component of PM formed by burning fossil fuels such as coal, diesel, and biomass. Black carbon is emitted directly into the atmosphere in the form of $PM_{2.5}$ and is the most effective form of PM, by mass, at absorbing solar energy. Per unit of mass in the atmosphere, black carbon can absorb one million times more energy than CO_2.[24] Black carbon contributes to climate change both directly, such as absorbing sunlight, and indirectly, such as affecting cloud formation. However, because black carbon is short-lived in the atmosphere, it can be difficult to quantify its effect on global warming.

Most U.S. emissions of black carbon come from mobile sources (52 percent), particularly from diesel-fueled vehicles. The other major source of black carbon is open biomass burning, including wildfires,

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20 CARB. 2021. GHGs Descriptions & Sources in California. Website: ww2.arb.ca.gov/ghg-descriptions-sources (accessed October 2022).

21 Ibid.

22 The Montreal Protocol is an international treaty that was approved on January 1, 1989, and was designated to protect the ozone layer by phasing out the production of several groups of halogenated hydrocarbons believed to be responsible for ozone depletion.

23 CARB. 2021. op. cit.

24 U.S. Environmental Protection Agency (USEPA). 2015. Black Carbon, Basic Information. February 14, 2017. Website: 19january2017snapshot.epa.gov/www3/airquality/blackcarbon/basic.html (accessed October 2022).

although residential heating and industry also contribute. The CARB estimates that the annual black carbon emissions in California will be reduced approximately 50 percent below 2013 levels by 2030.[25]

Effects of Global Climate Change

Effects from global climate change may arise from temperature increases, climate-sensitive diseases, extreme weather events, and air quality. There may be direct temperature effects through increases in average temperature leading to more extreme heat waves and less extreme cold spells. Those living in warmer climates are likely to experience more stress and heat-related problems. Heat-related problems include heat rash and heat stroke. In addition, climate-sensitive diseases may increase, such as those spread by mosquitoes and other disease-carrying insects. Such diseases include malaria, dengue fever, yellow fever, and encephalitis. Extreme events such as flooding and hurricanes can displace people and agriculture. Global climate change may also contribute to air quality problems from increased frequency of smog and particulate air pollution.[26]

Additionally, according to the 2006 California Climate Action Team (CAT) Report,[27] the following applicable climate change effects, which are based on trends established by the United Nations Intergovernmental Panel on Climate Change (IPCC), can be expected in California over the course of the next century:

- The loss of sea ice and mountain snow-pack, resulting in higher sea levels and higher sea surface evaporation rates with a corresponding increase in tropospheric water vapor due to the atmosphere's ability to hold more water vapor at higher temperatures.[28]
- Rise in global average sea level, primarily due to thermal expansion and melting of glaciers and ice caps in the Greenland and Antarctic ice sheets.[29]
- Changes in weather that include widespread changes in precipitation, ocean salinity, wind patterns, and more energetic aspects of extreme weather, including droughts, heavy precipitation, heat waves, extreme cold, and the intensity of tropical cyclones.[30]
- Decline of the Sierra snowpack, which accounts for approximately one-half of the surface water storage in California by 70 percent to as much as 90 percent over the next 100 years.[31]

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25 CARB. 2017. *Short-Lived Climate Pollutant Reduction Strategy.* March. Website: https://ww2.arb.ca.gov/sites/default/files/2020-07/final_SLCP_strategy.pdf (accessed October 2022).

26 USEPA. 2016. Climate Impacts on Human Health. April. Website: https://19january2017snapshot.epa.gov/climate-impacts/climate-impacts-human-health_.html, last updated on February 24, 2017 (accessed October 2022).

27 California Environmental Protection Agency (CalEPA). 2006. *Climate Action Team Report to Governor Schwarzenegger and the Legislature*. March.

28 Ibid.

29 Ibid.

30 Intergovernmental Panel on Climate Change (IPCC). 2007. *Climate Change 2007: The Physical Science Basis, Summary for Policymakers*. February.

31 CalEPA. 2006, *op. cit.*

- Increase in the number of days conducive to O_3 formation by 25–85 percent (depending on the future temperature scenario) in high O_3 areas by the end of the 21st century.[32]

- High potential for erosion of California's coastlines and seawater intrusion into the Delta and levee systems due to the rise in sea level.[33]

A summary of these potential effects is identified in Table D.

Table D: Potential Impacts of Global Warming and Expected Consequences for California

Potential Water Resource Impacts	Anticipated Consequences Statewide
Reduction of the State's average annual snowpack	• Specifically, the decline of the Sierra snowpack would lead to a loss in half of the surface water storage in California by 70% to 90% over the next 100 years • Potential loss of 5 million acre-feet or more of average annual water storage in the State's snowpack • Increased challenges for reservoir management and balancing the competing concerns of flood protection and water supply • Higher surface evaporation rates with a corresponding increase in tropospheric water vapor
Rise in average sea level	• Potential economic impacts related to coastal tourism, commercial fisheries, coastal agriculture, and ports • Increased risk of flooding, coastal erosion along the State's coastline, seawater intrusion into the Delta and levee systems
Changes in weather	• Changes in precipitation, ocean salinity, and wind patterns • Increased likelihood for extreme weather events, including droughts, heavy precipitation, heat waves, extreme cold, and the intensity of tropical cyclones
Changes in the timing, intensity, location, amount, and variability of precipitation	• Potential increased storm intensity and increased potential for flooding • Possible increased potential for droughts • Long-term changes in vegetation and increased incidence of wildfires • Changes in the intensity and timing of runoff • Possible increased incidence of flooding and increased sedimentation • Sea level rise and inundation of coastal marshes and estuaries • Increased potential for salinity intrusion into coastal aquifers (groundwater) • Increased potential for flooding near the mouths of rivers due to backwater effects
Increased water temperatures	• Increased environmental water demand for temperature control • Possible increased problems with foreign invasive species in aquatic ecosystems • Potential adverse changes in water quality, including the reduction of dissolved oxygen levels • Possible critical effects on listed and endangered aquatic species
Changes in urban and agricultural water demand	• Changes in demand patterns and evapotranspiration
Increase in the number of days conducive to O_3 formation	• Increased temperatures • Potential health effects, including adverse impacts to respiratory systems

Source: United States Department of the Interior, Environmental Water Account, Draft Supplemental EIS/EIR to the Environmental Water Account Final EIS/EIR, Bureau of Reclamation Mid-Pacific Region, Sacramento, California (October 2007).
EIR = Environmental Impact Report O_3 = ozone
EIS = Environmental Impact Statement

[32] CalEPA. 2006, *op. cit*.
[33] Ibid.

REGULATORY SETTING

AIR QUALITY REGULATIONS

The USEPA and the CARB regulate direct emissions from motor vehicles. The SCAQMD is the regional agency primarily responsible for regulating air pollution emissions from stationary sources (e.g., factories) and indirect sources (e.g., traffic associated with new development), as well as monitoring ambient pollutant concentrations.

Federal Regulations

Federal Clean Air Act

The 1970 federal Clean Air Act (CAA) authorized the establishment of national health-based air quality standards and also set deadlines for their attainment. The Federal Clean Air Act Amendments of 1990 changed deadlines for attaining national standards as well as the remedial actions required of areas of the nation that exceed the standards. Under the Clean Air Act, State and local agencies in areas that exceed the national standards are required to develop State Implementation Plans to demonstrate how they will achieve the national standards by specified dates.

State Regulations

California Clean Air Act

In 1988, the California Clean Air Act (CCAA) required that all air districts in the State endeavor to achieve and maintain CAAQS for CO, O_3, SO_2, and NO_2 by the earliest practical date. The California Clean Air Act provides districts with authority to regulate indirect sources and mandates that air quality districts focus particular attention on reducing emissions from transportation and area-wide emission sources. Each nonattainment district is required to adopt a plan to achieve a 5 percent annual reduction, averaged over consecutive 3-year periods, in district-wide emissions of each nonattainment pollutant or its precursors. A Clean Air Plan shows how a district would reduce emissions to achieve air quality standards. Generally, the State standards for these pollutants are more stringent than the national standards.

California Air Resources Board

The CARB is the State's "clean air agency." The CARB's goals are to attain and maintain healthy air quality, protect the public from exposure to toxic air contaminants, and oversee compliance with air pollution rules and regulations.

Assembly Bill 2588 Air Toxics "Hot Spots" Information and Assessment Act. Under Assembly Bill (AB) 2588, stationary sources of air pollutants are required to report the types and quantities of certain substances their facilities routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, identify facilities having localized impacts, determine health risks, and notify nearby residents of significant risks.

The California Air Resources Board Handbook. The CARB has developed an Air Quality and Land Use Handbook[34] which is intended to serve as a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process. According to the CARB Handbook, air pollution studies have shown an association between respiratory and other non-cancer health effects and proximity to high traffic roadways. Other studies have shown that diesel exhaust and other cancer-causing chemicals emitted from cars and trucks are responsible for much of the overall cancer risk from airborne toxics in California. The CARB Handbook recommends that county and city planning agencies strongly consider proximity to these sources when finding new locations for "sensitive" land uses such as homes, medical facilities, daycare centers, schools, and playgrounds.

Land uses that can produce air pollution sources of concern include freeways, rail yards, ports, refineries, distribution centers, chrome plating facilities, dry cleaners, and large gasoline service stations. Key recommendations in the CARB Handbook include taking steps to avoid siting new, sensitive land uses:

- Within 500 feet of a freeway, urban roads with 100,000 vehicles/day or rural roads with 50,000 vehicles/day;
- Within 1,000 feet of a major service and maintenance rail yard;
- Immediately downwind of ports (in the most heavily impacted zones) and petroleum refineries;
- Within 300 feet of any dry cleaning operation (for operations with two or more machines, provide 500 feet); and
- Within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater).

The CARB Handbook specifically states that its recommendations are advisory and acknowledges land use agencies have to balance other considerations, including housing and transportation needs, economic development priorities, and other quality of life issues.

The recommendations are generalized and do not consider site-specific meteorology, freeway truck percentages, or other factors that influence risk for a particular project site. The purpose of this guidance is to help land use agencies determine when to further examine project sites for actual health risk associated with the location of new sensitive land uses.

Regional Regulations

South Coast Air Quality Management District

The SCAQMD has jurisdiction over most air quality matters in the South Coast Air Basin (Basin). This area includes all of Orange County, Los Angeles County except for the Antelope Valley, the non-desert portion of western San Bernardino County, and the western and Coachella Valley portions of Riverside County. The SCAQMD is the agency principally responsible for comprehensive air pollution

[34] CARB. 2005. *Air Quality and Land Use Handbook: A Community Health Perspective.* April.

control in the Basin and is tasked with implementing certain programs and regulations required by the CAA and the CCAA. The SCAQMD prepares plans to attain CAAQS and NAAQS. SCAQMD is directly responsible for reducing emissions from stationary (area and point) sources. The SCAQMD develops rules and regulations, establishes permitting requirements, inspects emissions sources, and enforces such measures though educational programs or fines, when necessary.

The proposed project could be subject to the following SCAQMD rules and regulations:

- **Regulation IV - Prohibitions:** This regulation sets forth the restrictions for visible emissions, odor nuisance, fugitive dust, various air pollutant emissions, fuel contaminants, start-up/shutdown exemptions, and breakdown events.
    - **Rule 402 - Nuisance:** This rule restricts the discharge of any contaminant in quantities that cause or have a natural ability to cause injury, damage, nuisance, or annoyance to businesses, property, or the public.
    - **Rule 403 - Fugitive Dust:** This rule requires the prevention, reduction, or mitigation of fugitive dust emissions from a project site. Rule 403 restricts visible fugitive dust to a project property line, restricts the net PM_{10} emissions to less than 50 µg/m^3 and restricts the tracking out of bulk materials onto public roads. Additionally, Rule 403 requires an applicant to utilize one or more of the best available control measures (identified in the tables within the rule). Control measures may include adding freeboard to haul vehicles, covering loose material on haul vehicles, watering, using chemical stabilizers, and/or ceasing all activities. Finally, Rule 403 requires that a contingency plan be prepared if so determined by the USEPA. In addition, SCAQMD Rule 403(e), Additional Requirements for Large Operations, includes requirements to provide Large Operation Notification Form 403 N, appropriate signage, additional dust control measures, and employment of a dust control supervisor that has successfully completed the Dust Control training class in the South Coast Air Basin.
- **Regulation XI - Source Specific Standards:** Regulation XI sets emissions standards for different sources.
    - **Rule 1113 - Architectural Coatings:** This rule limits the amount of VOCs from architectural coatings and solvents, which lowers the emissions of odorous compounds.

The SCAQMD is responsible for demonstrating regional compliance with ambient air quality standards but has limited indirect involvement in reducing emissions from fugitive, mobile, and natural sources. To that end, the SCAQMD works cooperatively with the CARB, the Southern California Association of Governments (SCAG), county transportation commissions, local governments, and other federal and State government agencies. It has responded to this requirement by preparing a series of Air Quality Management Plans (AQMPs) to meet CAAQS and NAAQS. SCAQMD and the SCAG are responsible for formulating and implementing the AQMP for the Basin. The main purpose of an AQMP is to bring the area into compliance with federal and State air

quality standards. Every 3 years, SCAQMD prepares a new AQMP, updating the previous plan and 20-year horizon.[35]

SCAQMD approved the 2016 AQMP on March 3, 2017, and submitted the plan to CARB on March 10, 2017. Key elements of the 2016 AQMP include the following:

- Calculating and taking credit for co-benefits from other planning efforts (e.g., climate, energy, and transportation)
- A strategy with fair-share emission reductions at the federal, State, and local levels
- Investment in strategies and technologies meeting multiple air quality objectives
- Seeking new partnerships and significant funding for incentives to accelerate deployment of zero-emission and near-zero emission technologies
- Enhanced socioeconomic assessment, including an expanded environmental justice analysis
- Attainment of the 24-hour $PM_{2.5}$ standard in 2019 with no additional measures
- Attainment of the annual $PM_{2.5}$ standard by 2025 with implementation of a portion of the O_3 strategy
- Attainment of the 1-hour O_3 standard by 2022 with no reliance on "black box" future technology (CAA Section 182(e)(5) measures)

The SCAQMD is currently preparing the 2022 AQMP, which will address the requirements for meeting the 2015 O_3 standard. A Control Measures Workshop was held on November 10, 2021, to provide an overview of the control measures and strategies that are being developed/considered for the 2022 AQMP. The control measures include updated 2016 AQMP control measures and new control measures related to area, mobile, and stationary sources.

Southern California Association of Governments

SCAG is a council of governments for Los Angeles, Orange, Riverside, San Bernardino, Imperial, and Ventura Counties. It is a regional planning agency and serves as a forum for regional issues relating to transportation, the economy and community development, and the environment. SCAG is the federally designated Metropolitan Planning Organization (MPO) for the majority of the southern California region and is the largest MPO in the nation. With regard to air quality planning, SCAG prepares the Regional Transportation Plan (RTP) and Regional Transportation Improvement Program (RTIP), which address regional development and growth forecasts and form the basis for the land use and transportation control portions of the AQMP and are utilized in the preparation of the air quality forecasts and consistency analysis included in the AQMP. The RTP, RTIP, and AQMP are based on projections originating within local jurisdictions.

[35] South Coast Air Quality Management District (SCAQMD). 2016. *Final 2016 Air Quality Management Plan*. March.

Although SCAG is not an air quality management agency, it is responsible for developing transportation, land use, and energy conservation measures that affect air quality. SCAG's Regional Comprehensive Plan (RCP) provides growth forecasts that are used in the development of air quality-related land use and transportation control strategies by the SCAQMD. The RCP is a framework for decision-making for local governments, assisting them in meeting federal and State mandates for growth management, mobility, and environmental standards, while maintaining consistency with regional goals regarding growth and changes. Policies within the RCP include consideration of air quality, land use, transportation, and economic relationships by all levels of government.

SCAG adopted the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (Connect SoCal) on September 3, 2020. Connect SoCal is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. Connect SoCal is an important planning document for the region, allowing project sponsors to qualify for federal funding and takes into account operations and maintenance costs, to ensure reliability, longevity, and cost effectiveness. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in Connect SoCal, would reach the regional target of reducing GHG emissions from autos and light-duty trucks by 19 percent by 2035 (compared to 2005 levels).

Local Regulations

City of Ontario Policy Plan

Air quality is addressed in the Environmental Resources Element of the City of Ontario Policy Plan[36]. The Policy Plan includes goals, principles, and policies that work toward clean air with minimal toxic substances and odor, clean air with minimal particulate content, effective and efficient transportation, and coordinated and cooperative intergovernmental air quality programs. The following policies from the Policy Plan would be applicable to the proposed project:

- ER4-1 *Land Use*: We reduce GHG and other local pollutant emissions through compact, mixed use, and transit-oriented development and development that improves the regional jobs-housing balance.

- ER4-2 *Sensitive Land Uses:* We prohibit the future siting of sensitive land uses, within the distances defined by the California Air Resources Board for specific source categories, without sufficient mitigation.

- ER4-3 *Greenhouse Gases (GHG) Emissions Reductions:* We will reduce GHG emissions in accordance with regional, state and federal regulations.

- ER4-4 *Indoor Air Quality:* We will comply with State Green Building Codes relative to indoor air quality.

[36] Ontario, City of. *Ontario Policy Plan, Environmental Resources Element.* Website: Ontario Plan » Policy Plan (accessed October 2022).

- ER4-5 *Transportation*: We promote mass transit and non-motorized mobility options (e.g., walking, biking) to reduce air pollutant emissions.

- ER4-5 *Particulate Matter:* We support efforts to reduce particulate matter to meet State and Federal Clean Air Standards.

- ER4-7 *Other Agency Collaboration:* We collaborate with other agencies within the South Coast Air Basin to improve regional air quality at the emission source.

- ER4-8 *Tree Planting:* We protect healthy trees within the City and plant new trees to increase carbon sequestration and help the regional/local air quality.

- ER4-9 *New Localized Air Pollution Sources Near Existing Sensitive Receptors*: We require new developments to conduct a Health Risk Assessment for land uses that generate more than 100 trucks per day or 40 trucks per day by trucks operating transportation refrigeration units (TRU's) within 1,000 feet from sensitive land uses (California Health and Safety Code § 42705.5(a)(5)). If the health risk assessment determines the new development poses health hazards that increase the incremental cancer risk above the threshold established by the South Coast Air Quality Management District (AQMD), we will only approve permits upon the condition that adequate mitigation measures are proposed and implemented for potential impacts on the sensitive uses around the site and along the route within Ontario taken by the trucks to and from freeways. We require new developments that must perform a health risk assessment to conduct additional public outreach by sending notifications in multiple languages to all residents living within 500 feet, and encourage hosting a public meeting.

ENERGY REGULATORY SETTING

Federal and State agencies regulate energy use and consumption through various means and programs. On the federal level, the U.S. Department of Transportation (USDOT), the United States Department of Energy, and the USEPA are three federal agencies with substantial influence over energy policies and programs. Generally, federal agencies influence and regulate transportation energy consumption through establishment and enforcement of fuel economy standards for automobiles and light trucks, through funding of energy-related research and development projects, and through funding for transportation infrastructure improvements. On the State level, the California Public Utilities Commission (CPUC) and the CEC are two agencies with authority over different aspects of energy.

The CPUC regulates privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies and serves the public interest by protecting consumers and ensuring the provision of safe, reliable utility service and infrastructure at reasonable rates, with a commitment to environmental enhancement and a healthy California economy.

The CEC is the State's primary energy policy and planning agency. The CEC forecasts future energy needs, promotes energy efficiency, supports energy research, develops renewable energy resources, and plans for/directs state response to energy emergencies. The applicable federal, State, regional, and local regulatory framework is discussed below.

Federal Regulations

Energy Policy Act of 2005

The Energy Policy Act of 2005 seeks to reduce reliance on non-renewable energy resources and provide incentives to reduce current demand on these resources. For example, under this Act, consumers and businesses can obtain federal tax credits for purchasing fuel-efficient appliances and products (including hybrid vehicles), building energy-efficient buildings, and improving the energy efficiency of commercial buildings. Additionally, tax credits are available for the installation of qualified fuel cells, stationary microturbine power plants, and solar power equipment.

Safer Affordable Fuel-Efficient Vehicles Rule

On March 21, 2020, the USEPA and NHTSA finalized the SAFE Vehicles Rule for Model Years 2021–2026 Passenger Cars and Light Trucks (SAFE Vehicles Rule). The SAFE Vehicles Rule amends certain existing Corporate Average Fuel Economy (CAFE) and tailpipe CO_2 emissions standards for passenger cars and light trucks and establishes new standards, all covering model years 2021 through 2026. More specifically, the NHTSA set new CAFE standards for model years 2022 through 2026 and amended its 2021 model year CAFE standards, and the USEPA amended its CO_2 emissions standards for model years 2021 and later.

State Regulations

Assembly Bill 1575, Warren-Alquist Act

In 1975, largely in response to the oil crisis of the 1970s, the State Legislature adopted AB 1575 (also known as the Warren-Alquist Act), which created the CEC. The statutory mission of the CEC is to forecast future energy needs; license power plants of 50 megawatts (MW) or larger; develop energy technologies and renewable energy resources; plan for and direct State responses to energy emergencies; and, perhaps most importantly, promote energy efficiency through the adoption and enforcement of appliance and building energy efficiency standards. AB 1575 also amended Public Resources Code (PRC) Section 21100(b)(3) and *State CEQA Guidelines* Section 15126.4 to require Environmental Impact Reports (EIRs) to include, where relevant, mitigation measures proposed to minimize the wasteful, inefficient, and unnecessary consumption of energy caused by a project. Thereafter, the State Resources Agency created Appendix F to the *State CEQA Guidelines*. Appendix F assists EIR preparers in determining whether a project will result in the inefficient, wasteful, and unnecessary consumption of energy. Appendix F of the *State CEQA Guidelines* also states that the goal of conserving energy implies the wise and efficient use of energy and the means of achieving this goal, including (1) decreasing overall per capita energy consumption; (2) decreasing reliance on fossil fuels such as coal, natural gas, and oil; and (3) increasing reliance on renewable energy sources.

Senate Bill 1389, Energy: Planning and Forecasting

In 2002, the State Legislature passed Senate Bill (SB) 1389, which required the CEC to develop an integrated energy plan every 2 years for electricity, natural gas, and transportation fuels for the California Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing

incentive programs for zero emission vehicles (ZEVs) and their infrastructure needs, and encouragement of urban designs that reduce vehicle miles traveled (VMT) and accommodate pedestrian and bicycle access.

In compliance with the requirements of SB 1389, the CEC adopts an Integrated Energy Policy Report every 2 years and an update every other year. The most recently adopted report includes the *2021 Integrated Energy Policy Report*[37] and the *2022 Integrated Energy Policy Report Update.*[38] The *Integrated Energy Policy Report* covers a broad range of topics, including decarbonizing buildings, integrating renewables, energy efficiency, energy equity, integrating renewable energy, updates on Southern California electricity reliability, climate adaptation activities for the energy sector, natural gas assessment, transportation energy demand forecast, and the California Energy Demand Forecast. The *Integrated Energy Policy Report* provides the results of the CEC's assessments of a variety of energy issues facing California. Many of these issues will require action if the State is to meet its climate, energy, air quality, and other environmental goals while maintaining energy reliability and controlling costs.

Renewable Portfolio Standard

SB 1078 established the California Renewable Portfolio Standards program in 2002. SB 1078 initially required that 20 percent of electricity retail sales be served by renewable resources by 2017; however, this standard has become more stringent over time. In 2006, SB 107 accelerated the standard by requiring that the 20 percent mandate be met by 2010. In April 2011, SB 2 required that 33 percent of electricity retail sales be served by renewable resources by 2020. In 2015, SB 350 established tiered increases to the Renewable Portfolio Standards of 40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. In 2018, SB 100 increased the requirement to 60 percent by 2030 and required that all the State's electricity come from carbon-free resources by 2045. SB 100 took effect on January 1, 2019.[39]

Title 24, California Building Code

Energy consumption by new buildings in California is regulated by the Building Energy Efficiency Standards, embodied in Title 24 of the California Code of Regulations (CCR), known as the California Building Code (CBC). The CEC first adopted the Building Energy Efficiency Standards for Residential and Non-residential Buildings in 1978 in response to a legislative mandate to reduce energy consumption in the State. The CBC is updated every 3 years, and the current 2019 CBC went into effect on January 1, 2020. The efficiency standards apply to both new construction and rehabilitation of both residential and non-residential buildings, and regulate energy consumed for heating, cooling, ventilation, water heating, and lighting. The building efficiency standards are enforced through the local building permit process. Local government agencies may adopt and

37 CEC. 2021. *2021 Integrated Energy Policy Report*. California Energy Commission. Docket Number: 21-IEPR-01.

38 CEC. 2022. *2020 Integrated Energy Policy Report Update*. California Energy Commission. Docket Number: 22-IEPR-01.

39 California Public Utilities Commission (CPUC). 2019. Renewables Portfolio Standard Program. Website: cpuc.ca.gov/rps (accessed October 2022).

enforce energy standards for new buildings, provided these standards meet or exceed those provided in CCR Title 24.

California Green Building Standards Code (CALGreen Code)

In 2010, the California Building Standards Commission (CBSC) adopted Part 11 of the Title 24 Building Energy Efficiency Standards, referred to as the California Green Building Standards Code (CALGreen Code). The CALGreen Code took effect on January 1, 2011. The CALGreen Code is updated on a regular basis, with the most recent update consisting of the 2019 CALGreen Code standards that became effective January 1, 2020. The CALGreen Code established mandatory measures for residential and non-residential building construction and encouraged sustainable construction practices in the following five categories: (1) planning and design, (2) energy efficiency, (3) water efficiency and conservation, (4) material conservation and resource efficiency, and (5) indoor environmental quality. Although the CALGreen Code was adopted as part of the State's efforts to reduce greenhouse gas (GHG) emissions, the CALGreen Code standards have co-benefits of reducing energy consumption from residential and non-residential buildings subject to the standard.

California Energy Efficiency Strategic Plan.

On September 18, 2008, the CPUC adopted California's first Long-Term Energy Efficiency Strategic Plan, presenting a roadmap for energy efficiency in California. The Plan articulates a long-term vision and goals for each economic sector and identifies specific near-term, mid-term, and long-term strategies to assist in achieving those goals. The Plan also reiterates the following four specific programmatic goals known as the "Big Bold Energy Efficiency Strategies" that were established by the CPUC in Decisions D.07-10-032 and D.07-12-051:

- All new residential construction will be zero net energy (ZNE) by 2020.
- All new commercial construction will be ZNE by 2030.
- 50 percent of commercial buildings will be retrofitted to ZNE by 2030.
- 50 percent of new major renovations of State buildings will be ZNE by 2025.

Regional Regulations

There are no regional regulations that apply to the proposed project.

Local Regulations

City of Ontario Policy Plan

Energy is addressed in the Environmental Resources Element of the City of Ontario Policy Plan[40]. The Policy Plan includes goals and policies that work to reduce energy demands and encourage the development of renewable energy resources. The following policies from the Ontario Policy Plan would be applicable to the proposed project:

[40] Ontario, City of. Ontario Policy Plan, *Environmental Resources Element.* Website: Ontario Plan » ER3 Energy (accessed October 2022).

- ER3-1 *Conservation Strategy:* We require conservation as the first strategy to be employed to meet applicable energy-saving standards.

- ER3-2 *Green Development– Communities:* We require the use of best practices identified in green community rating systems to guide the planning and development of all new communities.

- ER3-3 *Building and Site Design:* We require new construction to incorporate energy efficient building and site design strategies, which could include appropriate solar orientation, maximum use of natural daylight, passive solar and natural ventilation.

- ER3-4 *Green Development– Public Buildings:* We require all new and substantially renovated City buildings in excess of 10,000 sq ft achieve a LEED Silver Certification standard, as determined by the U.S. Green Building Council.

- ER3-5 *Fuel Efficient and Alternative Energy Vehicles and Equipment:* We purchase and use vehicles and equipment that are fuel efficient and meet or surpass state emissions requirements and/or use renewable sources of energy.

- ER3-6 *Generation- Renewable Sources*: We promote the use of renewable energy sources to serve public and private sector development.

GLOBAL CLIMATE CHANGE REGULATORY SETTING

This section describes regulations related to Global Climate Change at the federal, State, and local level.

Federal Regulations

The United States has historically had a voluntary approach to reducing GHG emissions. However, on April 2, 2007, the United States Supreme Court ruled that the USEPA has the authority to regulate CO_2 emissions under the CAA. While there currently are no adopted federal regulations for the control or reduction of GHG emissions, the USEPA commenced several actions in 2009 to implement a regulatory approach to global climate change.

This includes the 2009 USEPA final rule for mandatory reporting of GHGs from large GHG emission sources in the United States. Additionally, the USEPA Administrator signed an endangerment finding action in 2009 under the Clean Air Act, finding that six GHGs (CO_2, CH_4, N_2O, HFCs, PFCs, SF_6) constitute a threat to public health and welfare, and that the combined emissions from motor vehicles cause and contribute to global climate change, leading to national GHG emission standards.

In October 2012, the USEPA and the NHTSA, on behalf of the U.S. Department of Transportation, issued final rules to further reduce GHG emissions and improve CAFE standards for light-duty vehicles for model years 2017 and beyond (77 *Federal Register* 62624). The NHTSA's CAFE standards have been enacted under the Energy Policy and Conservation Act since 1978. This national program requires automobile manufacturers to build a single light-duty national fleet that meets all requirements under both federal programs and the standards of California and other states. This program would increase fuel economy to the equivalent of 54.5 miles per gallon, limiting vehicle

emissions to 163 grams of CO_2 per mile for the fleet of cars and light-duty trucks by model year 2025 (77 *Federal Register* 62630).

On March 21, 2020, the USEPA and NHTSA finalized the SAFE Vehicles Rule. The SAFE Vehicles Rule amends certain existing CAFE and tailpipe CO_2 emissions standards for passenger cars and light trucks and establish new standards, all covering model years 2021 through 2026. More specifically, NHTSA set new CAFE standards for model years 2022 through 2026 and amended its 2021 model year CAFE standards, and the USEPA amended its CO_2 emissions standards for model years 2021 and later. On May 12, 2021, the NHTSA published a notice of proposed rulemaking in the *Federal Register*, proposing to repeal key portions of the SAFE Vehicles Rule that would have reduced CAFE standards. The final rule repealing portions of the SAFE Vehicles Rule was published on December 29, 2021. The repeal will allow California to set its own GHG standards if it chooses, even if the emissions standards conflict with CAFE standards enacted by the U.S. Department of Transportation.

State Regulations

The CARB is the lead agency for implementing climate change regulations in the State. Since its formation, the CARB has worked with the public, the business sector, and local governments to find solutions to California's air pollution problems. Key efforts by the State are described below.

Assembly Bill 1493 (2002)

In a response to the transportation sector's significant contribution to California's CO_2 emissions, AB 1493 was enacted on July 22, 2002. AB 1493 requires the CARB to set GHG emission standards for passenger vehicles and light duty trucks (and other vehicles whose primary use is noncommercial personal transportation in the State) manufactured in 2009 and all subsequent model years. These standards (starting in model years 2009 to 2016) were approved by the CARB in 2004, but the needed waiver of CCAA Preemption was not granted by the USEPA until June 30, 2009. The CARB responded by amending its original regulation, now referred to as Low Emission Vehicle III, to take effect for model years starting in 2017 to 2025. The Trump administration revoked California's waiver in 2019; however, the Biden administration restored California's waiver in 2021.

Executive Order S-3-05 (2005)

Governor Arnold Schwarzenegger signed Executive Order (EO) S-3-05 on June 1, 2005, which proclaimed that California is vulnerable to the impacts of climate change. To combat those concerns, the executive order established California's GHG emissions reduction targets, which established the following goals:

- GHG emissions should be reduced to 2000 levels by 2010;
- GHG emissions should be reduced to 1990 levels by 2020; and
- GHG emissions should be reduced to 80 percent below 1990 levels by 2050.

The Secretary of the California Environmental Protection Agency (CalEPA) is required to coordinate efforts of various State agencies in order to collectively and efficiently reduce GHGs. A biannual progress report must be submitted to the Governor and State Legislature disclosing the progress made toward GHG emission reduction targets. In addition, another biannual report must be submitted illustrating the impacts of global warming on California's water supply, public health,

agriculture, the coastline, and forestry, and report possible mitigation and adaptation plans to address these impacts.

The Secretary of CalEPA leads this CAT made up of representatives from State agencies as well as numerous other boards and departments. The CAT members work to coordinate statewide efforts to implement global warming emission reduction programs and the State's Climate Adaptation Strategy. The CAT is also responsible for reporting on the progress made toward meeting the statewide GHG targets that were established in the executive order and further defined under AB 32, the "Global Warming Solutions Act of 2006." The first CAT Report to the Governor and the Legislature was released in March 2006, which it laid out 46 specific emission reduction strategies for reducing GHG emissions and reaching the targets established in the Executive Order. The most recent report was released in December 2020.

Assembly Bill 32 (2006), California Global Warming Solutions Act

California's major initiative for reducing GHG emissions is AB 32, passed by the State legislature on August 31, 2006. This effort aims at reducing GHG emissions to 1990 levels by 2020. The CARB has established the level of GHG emissions in 1990 at 427 million metric tons (MMT) of CO_2e. The emissions target of 427 MMT requires the reduction of 169 MMT from the State's projected business-as-usual 2020 emissions of 596 MMT. AB 32 requires the CARB to prepare a Scoping Plan that outlines the main State strategies for meeting the 2020 deadline and to reduce GHGs that contribute to global climate change. The Scoping Plan was approved by the CARB on December 11, 2008, and contains the main strategies California will implement to achieve the reduction of approximately 169 MMT CO_2e, or approximately 30 percent, from the State's projected 2020 emissions level of 596 MMT CO_2e under a business-as-usual scenario (this is a reduction of 42 MMT CO_2e, or almost 10 percent from 2002–2004 average emissions). The Scoping Plan also includes CARB-recommended GHG reductions for each emissions sector of the State's GHG inventory. The Scoping Plan calls for the largest reductions in GHG emissions to be achieved by implementing the following measures and standards:

- Improved emissions standards for light-duty vehicles (estimated reductions of 31.7 MMT CO_2e);
- The Low-Carbon Fuel Standard (15.0 MMT CO_2e);
- Energy efficiency measures in buildings and appliances and the widespread development of combined heat and power systems (26.3 MMT CO_2e); and
- A renewable portfolio standard for electricity production (21.3 MMT CO_2e).

The Scoping Plan identifies 18 emission reduction measures that address cap-and-trade programs, vehicle gas standards, energy efficiency, low carbon fuel standards, renewable energy, regional transportation-related GHG targets, vehicle efficiency measures, goods movement, solar roof programs, industrial emissions, high speed rail, green building strategies, recycling, sustainable forests, water, and air. The measures would result in a total reduction of 174 MMT CO_2e by 2020.

On August 24, 2011, the CARB unanimously approved both the new supplemental assessment and reapproved its Scoping Plan, which provides the overall roadmap and rule measures to carry out AB 32. The CARB also approved a more robust CEQA equivalent document supporting the

supplemental analysis of the cap-and-trade program. The cap-and-trade took effect on January 1, 2012, with an enforceable compliance obligation that began January 1, 2013.

CARB has not yet determined what amount of GHG reductions it recommends from local government operations and local land use decisions; however, the Scoping Plan states that land use planning and urban growth decisions will play an important role in the State's GHG reductions because local governments have primary authority to plan, zone, approve, and permit how land is developed to accommodate population growth and the changing needs of their jurisdictions (meanwhile, CARB is also developing an additional protocol for community emissions). CARB further acknowledges that decisions on how land is used will have large impacts on the GHG emissions that will result from the transportation, housing, industry, forestry, water, agriculture, electricity, and natural gas emission sectors. The Scoping Plan states that the ultimate GHG reduction assignment to local government operations is to be determined. With regard to land use planning, the Scoping Plan expects an approximately 5.0 MMT CO_2e reduction due to implementation of SB 375.

In addition to reducing GHG emissions to 1990 levels by 2020, AB 32 directed the CARB and the CAT to identify a list of "discrete early action GHG reduction measures" that could be adopted and made enforceable by January 1, 2010. On January 18, 2007, Governor Schwarzenegger signed EO S-1-07, further solidifying California's dedication to reducing GHGs by setting a new Low Carbon Fuel Standard (LCFS). This executive order sets a target to reduce the carbon intensity of California transportation fuels by at least 10 percent by 2020 and directs the CARB to consider the LCFS as a discrete early action measure. In 2011, U.S. District Court Judge Lawrence O'Neil issued an injunction preventing implementation of the LCFS, ruling that it is unconstitutional. In 2012, the Ninth Circuit Court of Appeal stayed the District Court's injunction, allowing implementation of the LCFS. The Ninth Circuit decided to uphold the LCFS.

In June 2007, the CARB approved a list of 37 early action measures, including three discrete early action measures (LCFS, Restrictions on GWP Refrigerants, and Landfill CH_4 Capture).[41] Discrete early action measures are measures that were required to be adopted as regulations and made effective no later than January 1, 2010, the date established by Health and Safety Code Section 38560.5. The CARB adopted additional early action measures in October 2007 that tripled the number of discrete early action measures. These measures relate to truck efficiency, port electrification, reduction of PFCs from the semiconductor industry, reduction of propellants in consumer products, proper tire inflation, and SF_6 reductions from the non-electricity sector. The combination of early action measures is estimated to reduce statewide GHG emissions by nearly 16 MMT.[42]

The CARB approved the First Update to the Climate Change Scoping Plan on May 22, 2014. The First Update identifies opportunities to leverage existing and new funds to further drive GHG emission reductions through strategic planning and targeted low carbon investments. The First Update defines CARB climate change priorities until 2020, and also sets the groundwork to reach long-term goals set forth in EOs S-3-05 and B-16-2012. The Update highlights California's progress toward meeting the "near-term" 2020 GHG emission reduction goals as defined in the initial Scoping Plan. It

41 CARB. 2007. *Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California Recommended for Board Consideration*. October.

42 CARB. 2007. "ARB approves tripling of early action measures required under AB 32" News Release 07-46. October 25.

also evaluates how to align the State's "longer-term" GHG reduction strategies with other State policy priorities for water, waste, natural resources, clean energy, transportation, and land use. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan,[43] to reflect the 2030 target set by EO B-30-15 and codified by SB 32.

CARB is currently working on an update to the 2017 Scoping Plan, which will be released this year. The 2022 Scoping Plan Update will assess progress towards achieving the SB 32 2030 target and lay out a path to achieve carbon neutrality no later than 2045.

Senate Bill 97 (2007)

SB 97, signed by the Governor in August 2007 (Chapter 185, Statutes of 2007; Public Resources Code [PRC], Sections 21083.05 and 21097), acknowledges climate change is a prominent environmental issue that requires analysis under CEQA. This bill directed the Governor's Office of Planning and Research (OPR) to prepare, develop, and transmit to the California Resources Agency guidelines for mitigating GHG emissions or the effects of GHG emissions, as required by CEQA.

The California Natural Resources Agency adopted the amendments to the *State CEQA Guidelines* in November 2018, which went into effect in December 2018. The amendments do not identify a threshold of significance for GHG emissions, nor do they prescribe assessment methodologies or specific mitigation measures. The amendments encourage lead agencies to consider many factors in performing a CEQA analysis, but preserve the discretion granted by CEQA to lead agencies in making their own determinations based on substantial evidence. The amendments also encourage public agencies to make use of programmatic mitigation plans and programs when they perform individual project analyses.

Senate Bill 375 (2008)

SB 375, the Sustainable Communities and Climate Protection Act, which establishes mechanisms for the development of regional targets for reducing passenger vehicle GHG emissions, was adopted by the State on September 30, 2008. On September 23, 2010, the CARB adopted the vehicular GHG emissions reduction targets that had been developed in consultation with the Metropolitan Planning Organization (MPOs); the targets require a 6 to 15 percent reduction by 2020 and between 13 to 19 percent reduction by 2035 for each MPO. SB 375 recognizes the importance of achieving significant GHG reductions by working with cities and counties to change land use patterns and improve transportation alternatives. Through the SB 375 process, MPOs such as the Fresno Council of Governments will work with local jurisdictions in the development of Sustainable Communities Strategy (SCS) designed to integrate development patterns and the transportation network in a way that reduces GHG emissions while meeting housing needs and other regional planning objectives. Pursuant to SB 375, the Los Angeles/Southern California reduction targets for per capita vehicular emissions were 8 percent by 2020 and are 19 percent by 2035 as shown in Table E.

[43] CARB. 2017. *California's 2017 Climate Change Scoping Plan*. November.

Table E: Senate Bill 375 Regional Greenhouse Gas Emissions Reduction Targets

Metropolitan Planning Organization	By 2020 (percent)	By 2035 (percent)
San Francisco Bay Area	10	19
San Diego	15	19
Sacramento	7	19
Central Valley/San Joaquin	6-13	13-16
Los Angeles/Southern California	8	19

Source: California Air Resources Board (2018).

Executive Order B-30-15 (2015)

Governor Jerry Brown signed EO B-30-15 on April 29, 2015, which added the immediate target of:

- GHG emissions should be reduced to 40 percent below 1990 levels by 2030.

All State agencies with jurisdiction over sources of GHG emissions were directed to implement measures to achieve reductions of GHG emissions to meet the 2030 and 2050 targets. CARB was directed to update the AB 32 Scoping Plan to reflect the 2030 target, and therefore, is moving forward with the update process. The mid-term target is critical to help frame the suite of policy measures, regulations, planning efforts, and investments in clean technologies and infrastructure needed to continue reducing emissions.

Senate Bill 350 (2015) Clean Energy and Pollution Reduction Act

SB 350, signed by Governor Jerry Brown on October 7, 2015, updates and enhances AB 32 by introducing the following set of objectives in clean energy, clean air, and pollution reduction for 2030:

- Raise California's renewable portfolio standard from 33 percent to 50 percent; and
- Increasing energy efficiency in buildings by 50 percent by the year 2030.

The 50 percent renewable energy standard will be implemented by the CPUC for the private utilities and by the CEC for municipal utilities. Each utility must submit a procurement plan showing it will purchase clean energy to displace other non-renewable resources. The 50 percent increase in energy efficiency in buildings must be achieved through the use of existing energy efficiency retrofit funding and regulatory tools already available to State energy agencies under existing law. The addition made by this legislation requires State energy agencies to plan for, and implement those programs in a manner that achieves the energy efficiency target.

Senate Bill 32, California Global Warming Solutions Act of 2016, and Assembly Bill 197

In summer 2016 the Legislature passed, and the Governor signed, SB 32, and AB 197. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in Governor Brown's April 2015 EO B-30-15. SB 32 builds on AB 32 and keeps us on the path toward achieving the State's 2050 objective of reducing emissions to 80 percent below 1990 levels, consistent with an IPCC analysis of

the emissions trajectory that would stabilize atmospheric GHG concentrations at 450 parts per million CO_2e and reduce the likelihood of catastrophic impacts from climate change.

The companion bill to SB 32, AB 197, provides additional direction to CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 meant to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100, which raises California's Renewables Portfolio Standard (RPS) requirements to 60 percent by 2030, with interim targets, and 100 percent by 2045. The bill also establishes a state policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all State agencies by December 31, 2045. Under the bill, the State cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

Executive Order B-55-18

EO B-55-18, signed September 10, 2018, sets a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." EO B-55-18 directs CARB to work with relevant state agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

Title 24, Part 11, Building Standards Code and CALGreen Code

In November 2008, the California Building Standards Commission established the California Green Building Standards Code (CALGreen Code), which sets performance standards for residential and non-residential development to reduce environmental impacts and encourage sustainable construction practices. The CALGreen Code addresses energy efficiency, water conservation, material conservation, planning and design, and overall environmental quality. The CALGreen Code is updated every 3 years and was most recently updated in 2019 to include new mandatory measures for residential as well as non-residential uses; the new measures took effect on January 1, 2020. The next set of standards will be adopted in 2022 and apply to projects seeking building permits on or after January 1, 2023.

California Building Efficiency Standards (Title 24, Part 6)

The California Building Standards Code, or Title 24 of the California Code of Regulations (CCR) contains the regulations that govern the construction of buildings in California. Within the Building Standards Code, two parts pertain to the incorporation of both energy efficient and green building elements into land use development. Part 6 is California's Energy Efficiency Standards for Residential and Non-Residential Buildings. These standards were first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption and are updated on an approximately 3-year cycle to allow consideration and possible incorporation of new energy efficient

technologies and methods. All buildings for which an application for a building permit is submitted on or after January 1, 2020, must follow the 2019 standards. The next set of standards is anticipated for release in 2022. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions.

Cap and Trade

The development of a cap-and-trade program was included as a key reduction measure of the CARB AB 32 Climate Change Scoping Plan. The cap-and-trade program will help put California on the path to meet its goal of reducing GHG emissions to 1990 levels by 2020 and ultimately achieving an 80 percent reduction from 1990 levels by 2050. The cap-and-trade emissions trading program developed by the CARB took effect on January 1, 2012, with enforceable compliance obligations beginning January 1, 2013. The cap-and-trade program aims to regulate GHG emissions from the largest producers in the State by setting a statewide firm limit, or cap, on allowable annual GHG emissions. The cap was set in 2013 at approximately 2 percent below the emissions forecast for 2020. In 2014, the cap declined approximately 2 percent. Beginning in 2015 and continuing through 2020, the cap has been declining approximately 3 percent annually. The CARB administered the first auction on November 14, 2012, with many of the qualified bidders representing corporations or organizations that produce large amounts of GHG emissions, including energy companies, agriculture and food industries, steel mills, cement companies, and universities. On January 1, 2015, compliance obligation began for distributors of transportation fuels, natural gas, and other fuels. The cap-and-trade program was initially slated to sunset in 2020 but the passage of SB 398 in 2017 extended the program through 2030.

Executive Order N-79-20

EO N-79-20, which was signed by the Governor on September 23, 2020, sets the following goals for the State: 100 percent of in-state sales of new passenger cars and trucks shall be zero-emission by 2035; 100 percent of medium- and heavy-duty vehicles in the State shall be zero-emission by 2045 for all operations where feasible and by 2035 for drayage trucks; and 100 percent of off-road vehicles and equipment in the State shall be zero-emission by 2035, where feasible.

California Integrated Waste Management Act

To minimize the amount of solid waste that must be disposed of in landfills, the State Legislature passed the California Integrated Waste Management Act of 1989 (AB 939), effective January 1990. According to AB 939, all cities and counties were required to divert 25 percent of all solid waste from landfill facilities by January 1, 1995, and 50 percent by January 1, 2000. Through other statutes and regulations, this 50 percent diversion rate also applies to State agencies. In order of priority, waste reduction efforts must promote source reduction, recycling and composting, and environmentally safe transformation and land disposal. In 2011, AB 341 modified the California Integrated Waste Management Act and directed the California Department of Resources Recycling and Recovery (CalRecycle) to develop and adopt regulations for mandatory commercial recycling. The resulting 2012 Mandatory Commercial Recycling Regulation requires that on and after July 1, 2012, certain businesses that generate four cubic yards or more of commercial solid waste per week shall arrange recycling services. To comply with this requirement, businesses may either separate recyclables and self-haul them or subscribe to a recycling service that includes mixed waste processing. AB 341 also established a statewide recycling goal of 75 percent; the 50 percent disposal

reduction mandate still applies for cities and counties under AB 939, the Integrated Waste Management Act. In April 2016, AB 1826 further modified the California Integrated Waste Management Act, requiring businesses that generate a specified amount of organic waste per week to arrange for recycling services for that organic waste in a specified manner. If CalRecycle determines that statewide disposal of organic waste has not been reduced by 50 percent below 2014 levels by 2020, businesses generating more than two cubic yards of organic waste per week would be subject to these waste collection requirements. CalRecycle plans to make this assessment in the fall of 2020. Diverting organic waste from landfills reduces emissions of CH_4. This is equivalent to reducing anaerobic decomposition of organic waste that would have otherwise occurred in landfills where organic waste is often buried with other inorganic waste.

Low Carbon Fuel Standard

In January 2007, EO S-01-07 established an LCFS. This executive order calls for a statewide goal to be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020, and that an LCFS for transportation fuels be established for California. The LCFS applies to all refiners, blenders, producers, or importers ("Providers") of transportation fuels in California, including fuels used by off-road construction equipment. In June 2007, CARB adopted the LCFS under AB 32 pursuant to Health and Safety Code Section 38560.5, and, in April 2009, CARB approved the new rules and carbon intensity reference values with new regulatory requirements taking effect in January 2011. The standards require providers of transportation fuels to report on the mix of fuels they provide and demonstrate they meet the LCFS intensity standards annually. This is accomplished by ensuring that the number of "credits" earned by providing fuels with a lower carbon intensity than the established baseline (or obtained from another party) is equal to or greater than the "deficits" earned from selling higher intensity fuels. In response to certain court rulings, CARB re-adopted the LCFS regulation in September 2015, and the LCFS went into effect on January 1, 2016. In 2018, CARB approved amendments to the regulation to readjust carbon intensity benchmarks to meet California's 2030 GHG reductions targets under SB 32. These amendments include opportunities to promote zero emission vehicle (ZEV) adoption, carbon capture and sequestration, and advanced technologies for decarbonization of the transportation sector.

Advanced Clean Cars Program

In January 2012, CARB approved the Advanced Clean Cars program, which combines the control of GHG emissions and criteria air pollutants, as well as requirements for greater numbers of ZEVs, into a single package of regulatory standards for vehicle model years 2017 through 2025. The new regulations strengthen the GHG standard for 2017 models and beyond. This will be achieved through existing technologies, the use of stronger and lighter materials, and more efficient drivetrains and engines. The program's ZEVs regulation requires battery, fuel cell, and/or plug-in hybrid electric vehicles to account for up to 15 percent of California's new vehicle sales by 2025. The program also includes a clean fuels outlet regulation designed to support the commercialization of zero-emission hydrogen fuel cell vehicles planned by vehicle manufacturers by 2015 by requiring increased numbers of hydrogen fueling stations throughout the State. The number of stations will grow as vehicle manufacturers sell more fuel cell vehicles. By 2025, when the rules will be fully implemented, the statewide fleet of new cars and light trucks will emit 40 percent fewer GHGs and 75 percent fewer smog-forming emissions than 2012 model year vehicles.

Executive Order B-48-18

In January 2018, Governor Brown signed EO B-48-18 requiring all State entities to work with the private sector to have at least 5 million ZEVs on the road by 2030, as well as install 200 hydrogen fueling stations and 250,000 electric vehicle charging stations by 2025. It specifies that 10,000 of the electric vehicle charging stations should be direct current fast chargers. This order also requires all State entities to continue to partner with local and regional governments to streamline the installation of ZEV infrastructure. The Governor's Office of Business and Economic Development is required to publish a Plug-in Charging Station Design Guidebook and update the 2015 Hydrogen Station Permitting Guidebook to aid in these efforts. All State entities are required to participate in updating the 2016 Zero-Emissions Vehicle Action Plan to help expand private investment in ZEV infrastructure with a focus on serving low-income and disadvantaged communities. Additionally, all State entities are to support and recommend policies and actions to expand ZEV infrastructure at residential land uses, through the LCFS Program, and recommend how to ensure affordability and accessibility for all drivers.

Regional Regulations

South Coast Air Quality Management District

In 2008, the SCAQMD formed a Working Group to identify GHG emissions thresholds for land use projects that could be used by local lead agencies in the Basin. The Working Group developed several different options that are contained in the SCAQMD 2008 draft guidance document titled Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans[44] that could be applied by lead agencies. On September 28, 2010, SCAQMD Working Group Meeting No. 15 provided further guidance, including a tiered approach for evaluating GHG emissions for development projects where the SCAQMD is not the lead agency. The SCAQMD has not presented a finalized version of these thresholds to the governing board.

The SCAQMD identifies the emissions level for which a project would not be expected to substantially conflict with any State legislation adopted to reduce statewide GHG emissions. As such, the utilization of a service population represents the rates of emissions needed to achieve a fair share of the State's mandated emissions reductions. Overall, the SCAQMD identifies a GHG efficiency level that, when applied statewide or to a defined geographic area, would meet the year 2020 and post-2020 emissions targets as required by AB 32 and SB 32. If projects are able to achieve targeted rates of emissions per the service population, the State will be able to accommodate expected population growth and achieve economic development objectives, while also abiding by AB 32's emissions target and future post-2020 targets.

Southern California Association of Governments

On September 3, 2020, SCAG adopted Connect SoCal–The 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (2020–2045 RTP/SCS).[45] In general, the SCS outlines a

[44] SCAQMD. 2008. Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans.

[45] Southern California Association of Governments (SCAG). 2020. Connect SoCal: The 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments. Website: https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal-plan_0.pdf?1606001176 (accessed October 2022).

development pattern for the region, which, when integrated with the transportation network and other transportation measures and policies, would reduce vehicle miles traveled (VMT) from automobiles and light-duty trucks and thereby reduce GHG emissions from these sources. For the SCAG region, CARB has set GHG reduction targets at 8 percent below 2005 per capita emissions levels by 2020, and 19 percent below 2005 per capita emissions levels by 2035. The RTP/SCS lays out a strategy for the region to meet these targets. Overall, the SCS is meant to provide growth strategies that will achieve the regional GHG emissions reduction targets. Land use strategies to achieve the region's targets include planning for new growth around high-quality transit areas and livable corridors, and creating neighborhood mobility areas to integrate land use and transportation and plan for more active lifestyles.[46] However, the SCS does not require that local General Plans, Specific Plans, or zoning be consistent with the SCS; SCAG is required to consider local land use controls when drafting the SCS.

Local Regulations

Ontario 2022 Community Climate Action Plan (CCAP)

The City has recently adopted the 2022 Community Climate Action Plan (CCAP)[47]. The 2022 CCAP is Ontario's strategic plan to reduce GHG emissions and foster a sustainable community through 2050 and beyond. The 2022 CCAP is an update to the 2014 CCAP, providing updated analyses and background information, an expanded set of GHG reduction strategies, and a planning horizon out to 2050. The CCAP provides strategies in various sectors to meet or exceed the State targets of reducing emissions 40 percent below 1990 levels by 2030 and 80 percent below 1990 levels by 2050. The following GHG reduction strategies would be applicable to the proposed project:

- Provide and support incentives and rebates for solar photovoltaic systems for industrial uses to encourage increased local use of renewable energy.
- Ensure that new and retrofitted large hardscaped areas, such as parking lots, incorporate trees and other green infrastructure appropriate for current and future climate conditions.
- Encourage employers to offer ridership programs, public transit passes, and telecommuting to employees.
- Encourage the use of electric vehicles by increasing access to availability of public electric vehicle charging stations.
- Evaluate the feasibility of an idling ordinance that reduces the legally allowed idling time for heavy duty trucks (greater than 26,000-pound gross vehicle weight) to 3 minutes. California law currently limits idling time to 5 minutes. Ordinance must include a violation fee and enforcement mechanisms.

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46 SCAG. 2020. Connect SoCal: The 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments. Website: https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal-plan_0.pdf?1606001176 (accessed October 2022).

47 Ontario, City of. 2022. *Ontario Community Climate Action Plan 2022.* August 16. Website: https://www.ontarioca.gov/Planning/Applications (accessed October 2022).

- Support State and regional efforts to replace diesel-powered construction and landscaping equipment with electric equipment.

- In compliance with AB 939 and the CALGreen Code, implement an ordinance requiring building projects to recycle or reuse at least 50 percent of unused or leftover building materials.

- Develop a native, drought-tolerant, and fire-resistant landscaping list and require new development or redevelopment to use this list in landscaping plans.

The CCAP will also include GHG emissions CEQA thresholds and screening tables, which will be used for future projects to determine their consistency with the CCAP. However, GHG CEQA thresholds and screening tables are not available yet. Therefore, this analysis evaluates the proposed project based on SCAQMD thresholds.

San Bernardino County Greenhouse Gas Reduction Plan

The City of Ontario is part of the regional *San Bernardino County Greenhouse Gas Reduction Plan (GGRP)* adopted in September 2021, which identifies the County's vision and goals on reducing GHG emissions in its different cities, local government facilities, and communities. In response to these initiatives, an informal project partnership, led by the San Bernardino Council of Governments (SBCOG), compiled a GHG emissions inventory and an evaluation of reduction measures that could be adopted by the 25 Partnership Cities of San Bernardino County. The Partnership has committed to undertake the following actions that will reduce GHG emissions associated with its regional (or countywide) activities:

- Prepare a baseline (2016) GHG emissions inventory for each of the 25 Partnership Jurisdictions in the County;

- Prepare a future year (2020, 2030, and 2045) GHG emissions forecasts for each of the jurisdictions;

- Develop general GHG reduction measures and jurisdiction-specific measures appropriate for each jurisdiction; and

- Develop consistent baseline in information for jurisdictions to use for their development of community climate action plans (CCAPs) meeting jurisdiction-identified reduction goals.

SETTING

This section provides the current SCAQMD attainment status, climate and air quality, ambient air quality monitoring results, and GHG emissions inventory.

ATTAINMENT STATUS

The CARB is required to designate areas of the state as attainment, nonattainment, or unclassified for all State standards. An *attainment* designation for an area signifies that pollutant concentrations did not violate the standard for that pollutant in that area. A *nonattainment* designation indicates that a pollutant concentration violated the standard at least once, excluding those occasions when a violation was caused by an exceptional event, as defined in the criteria. An *unclassified* designation signifies that data do not support either an attainment or nonattainment status. The CCAA divides districts into moderate, serious, and severe air pollution categories, with increasingly stringent control requirements mandated for each category.

The USEPA designates areas for O_3, CO, and NO_2 as either does not meet the primary standards, or cannot be classified, or better than national standards. For SO_2, areas are designated as does not meet the primary standards, does not meet the secondary standards, cannot be classified, or better than national standards.

Table F provides a summary of the attainment status for the Basin with respect to NAAQS and CAAQS.

Table F: Attainment Status of Criteria Pollutants in the South Coast Air Basin

Pollutant	State	Federal
O_3 1 hour	Nonattainment	Extreme Nonattainment
O_3 8 hour	Nonattainment	Extreme Nonattainment
PM_{10}	Nonattainment	Attainment/Maintenance
$PM_{2.5}$	Nonattainment	Serious Nonattainment
CO	Attainment	Attainment/Maintenance
NO_2	Attainment	Attainment/Maintenance
SO_2	N/A	Attainment/Unclassified
Lead	Attainment	Attainment[1]
All others	Attainment/Unclassified	Attainment/Unclassified

Source: South Coast Air Quality Management District (2018).

[1] Except in Los Angeles County.

CO = carbon monoxide
N/A = not applicable
NO_2 = nitrogen dioxide
O_3 = ozone
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SO_2 = sulfur dioxide

EXISTING CLIMATE AND AIR QUALITY

Air quality in the planning area is not only affected by various emission sources (e.g., mobile and industry), but also by atmospheric conditions (e.g., wind speed, wind direction, temperature, and rainfall). The combination of topography, low mixing height, abundant sunshine, and emissions from the second-largest urban area in the United States gives the Basin some of the worst air pollution in the nation.

The annual average temperature varies little throughout the Basin, ranging from the low to middle 60s°F. With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The climatological station closest to the site is located on Upland, California.[48] The monthly average maximum temperature recorded at this station ranged from 61.8°F in January to 89.6°F in July, with an annual average maximum of 74.7°F. The monthly average minimum temperature recorded at this station ranged from 39.9°F in January to 57.7°F in August, with an annual average minimum of 48.3°F. These levels are representative of the project area.

The majority of annual rainfall in the Basin occurs between December and March. Summer rainfall is minimal and is generally limited to scattered thundershowers in coastal regions and slightly heavier showers in the eastern portion of the Basin and along the coastal side of the mountains. Average monthly rainfall at the Upland station varied from 0.1 inch in February to 0.5 inch in January, with an annual total of 0.5 inch. Patterns in monthly and yearly rainfall totals are unpredictable due to fluctuations in the weather.

The Basin experiences a persistent temperature inversion (increasing temperature with increasing altitude) as a result of the Pacific high. This inversion limits the vertical dispersion of air contaminants, holding them relatively near the ground. As the sun warms the ground and the lower air layer, the temperature of the lower air layer approaches the temperature of the base of the inversion (upper) layer until the inversion layer finally breaks, allowing vertical mixing with the lower layer. This phenomenon is observed in mid-afternoon to late afternoon on hot summer days when the air appears to clear up suddenly. Winter inversions frequently break by midmorning.

Winds in the project area blow predominantly from the south-southwest, with relatively low velocities. Wind speeds in the project area average about 5 miles per hour (mph). Summer wind speeds average slightly higher than winter wind speeds. Low average wind speeds, together with a persistent temperature inversion, limit the vertical dispersion of air pollutants throughout the Basin. Strong, dry, north or northeasterly winds, known as Santa Ana winds, occur during the fall and winter months, dispersing air contaminants. The Santa Ana conditions tend to last for several days at a time.

The combination of stagnant wind conditions and low inversions produces the greatest pollutant concentrations. On days of no inversion or high wind speeds, ambient air pollutant concentrations are the lowest. During periods of low inversions and low wind speeds, air pollutants generated in urbanized areas are transported predominantly on shore into Riverside and San Bernardino Counties. In the winter, the greatest pollution problems are CO and NO_X because of extremely low

[48] Western Regional Climate Center. Recent Climate in the West. Website: http://www.wrcc.dri.edu (accessed October 2022).

inversions and air stagnation during the night and early morning hours. In the summer, the longer daylight hours and brighter sunshine combine to cause a reaction between hydrocarbons and NO_x to form photochemical smog. Smog is a general term that is naturally occurring fog that has become mixed with smoke or pollution. In this context it is better described as a form of air pollution produced by the photochemical reaction of sunlight with pollutants that have been released into the atmosphere, especially by automotive emissions.

AIR QUALITY MONITORING RESULTS

Air quality monitoring stations are located throughout the nation and are maintained by the local air pollution control district and State air quality regulating agencies. The SCAQMD, together with the CARB, maintains ambient air quality monitoring stations in the Basin. The air quality monitoring stations closest to the project site are located at 1350 San Bernardino Road in Upland, 2330 S. Castle Harbour in Ontario, and 14360 Arrow Boulevard in Fontana, California.

Pollutant monitoring results for years 2019 to 2021 are shown in Table G. As indicated in the monitoring results, the federal PM_{10} standard had one exceedance in 2020 only. The State PM_{10} standard and the federal $PM_{2.5}$ standard had an unknown number of exceedances in the 3-year period. The State 1-hour O_3 standards were exceeded 31 times in 2019, 82 times in 2020, and an unknown number of times 2021. The State 8-hour O_3 standards were exceeded 54 times in 2019, 118 times in 2020, and an unknown number of times in 2021. The federal 8-hour O_3 standards were exceeded 52 times in 2019, 116 times in 2020, and 78 times in 2021. The CO, SO_2, and NO_2 standards were not exceeded in this area during the 3-year period.

GREENHOUSE GAS EMISSIONS INVENTORY

An emissions inventory that identifies and quantifies the primary human-generated sources and sinks of GHGs is a well-recognized and useful tool for addressing climate change. This section summarizes the latest information on global, United States, and California GHG emission inventories.

Global Emissions

Worldwide emissions of GHGs in 2018 totaled 25.6 billion metric tons of CO_2e. Global estimates are based on country inventories developed as part of the programs of the United Nations Framework Convention on Climate Change.[49]

[49] United Nations Framework Convention on Climate Change (UNFCCC). 2021. GHG Data from UNFCCC. Website: unfccc.int/process-and-meetings/transparency-and-reporting/greenhouse-gas-data/ghg-data-unfccc/ghg-data-from-unfccc (accessed October 2022).

Table G: Ambient Air Quality at Nearby Monitoring Stations

Pollutant	Standard	2019	2020	2021
Carbon Monoxide (CO)[1]				
Maximum 1-hour concentration (ppm)		1.5	1.5	1.3
Number of days exceeded:	State: > 20 ppm	0	0	0
	Federal: > 35 ppm	0	0	0
Maximum 8-hour concentration (ppm)		1.1	1.1	1.1
Number of days exceeded:	State: > 9 ppm	0	0	0
	Federal: > 9 ppm	0	0	0
Ozone (O_3)				
Maximum 1-hour concentration (ppm)		0.131	0.158	0.124
Number of days exceeded:	State: > 0.09 ppm	31	82	ND
Maximum 8-hour concentration (ppm)		0.107	0.124	0.1
Number of days exceeded:	State: > 0.07 ppm	54	118	ND
	Federal: > 0.07 ppm	52	116	78
Coarse Particulates (PM_{10})[2]				
Maximum 24-hour concentration (µg/m^3)		ND	ND	123
Number of days exceeded:	State: > 50 µg/m^3	ND	ND	ND
	Federal: > 150 µg/m^3	0	1	0
Annual arithmetic average concentration (µg/m^3)		ND	ND	ND
Exceeded for the year:	State: > 20 µg/m^3	ND	ND	ND
	Federal: > 50 µg/m^3	ND	ND	ND
Fine Particulates ($PM_{2.5}$)				
Maximum 24-hour concentration (µg/m^3)		91.1	74.0	105.8
Number of days exceeded:	Federal: > 35 µg/m^3	ND	ND	ND
Annual arithmetic average concentration (µg/m^3)		ND	ND	17.8
Exceeded for the year:	State: > 12 µg/m^3	ND	ND	Yes
	Federal: > 15 µg/m^3	ND	ND	Yes
Nitrogen Dioxide (NO_2)				
Maximum 1-hour concentration (ppm)		0.057	0.055	0.065
Number of days exceeded:	State: > 0.250 ppm	0	0	0
Annual arithmetic average concentration (ppm)		0.015	0.014	0.0147
Exceeded for the year:	Federal: > 0.053 ppm	No	No	No
Sulfur Dioxide (SO_2)[3]				
Maximum 1-hour concentration (ppm)		0.0024	0.0025	0.005
Number of days exceeded:	State: > 0.25 ppm	0	0	0
Maximum 24-hour concentration (ppm)		0.0009	0.0009	0.0009
Number of days exceeded:	State: > 0.04 ppm	0	0	0
	Federal: > 0.14 ppm	0	0	0
Annual arithmetic average concentration (ppm)		0.00041	0.00041	0.00024
Exceeded for the year:	Federal: > 0.030 ppm	No	No	No

Sources: CARB (2021) and USEPA (2022).

[1] Data were taken from the 924 N. Garey Avenue, Pomona monitoring station.

[2] Data were taken from the 803 N. Loren Avenue, Azusa monitoring station.

[3] Data taken from 14360 Arrow Boulevard, Fontana Monitoring Station.

µg/m^3 = micrograms per cubic meter

CARB = California Air Resources Board

ND = No data. There were insufficient (or no) data to determine the value.

ppm = parts per million

USEPA = United States Environmental Protection Agency

United States Emissions

In 2019, the year for which the most recent data are available, the United States emitted about 6,558 million metric tons of CO_2e (MMT CO_2e). Overall, emissions in 2019 decreased by 1.7 percent since 2018 and were 13 percent 2005 levels. This decrease was driven largely by a decrease in emissions from fossil fuel combustion resulting from a decrease in total energy use in 2019 compared to 2018 and a continued shift from coal to natural gas and renewables in the electric power sector. Of the six major sectors – residential, commercial, agricultural, industry, transportation, and electricity generation – transportation accounted for the highest amount of GHG emissions in 2019 (approximately 29 percent), with electricity generation second at 25 percent and emissions from industry third at 23 percent.[50]

State of California Emissions

The State emitted approximately 418.2 MMT CO_2e emissions in 2019, 7.2 MMT CO_2e lower than 2018 levels and almost 13 MMT CO_2e below the 2020 GHG Limit of 431 MMT CO_2e.[51] The CARB estimates that transportation was the source of approximately 40 percent of the State's GHG emissions in 2019, followed by industrial sources at approximately 21 percent and electricity generation at 14 percent. The remaining sources of GHG emissions were agriculture at 8 percent, residential activities at 7 percent, commercial activities at 4 percent, high GWP at 5 percent, and waste at 2 percent.[52]

City of Ontario Emissions

The City of Ontario's goal is to reduce emissions to a level that is 40 percent below that of 2016 GHG emissions by 2030. The City will meet this goal subject to reduction measures that are technologically feasible and cost effective per AB 32 through a combination of State (approximately 70 percent) and local (approximately 30 percent) efforts. The City will also implement several additional local measures. Table H summarizes the 2016 emission inventory, 2030 business-as-usual (BAU) forecast, and GHG reduction results by sector. Table H shows the percent reduction in each sector's emissions in 2030 and demonstrates that Ontario will meet its emissions reduction goal. Emissions sectors with the greatest percent reduction include building energy, waste, and on-road transportation sectors.

50 USEPA. 2021. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2019. Website: https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks-1990-2019 (accessed October 2022).

51 CARB. 2021. *California Greenhouse Gas Emissions for 2000 to 2019, Trends of Emissions and Other Indicators Report*. Website: https://ww3.arb.ca.gov/cc/inventory/pubs/reports/2000_2019/ghg_inventory_trends_00-19.pdf (accessed October 2022).

52 Ibid.

Table H: Emission Reductions by Sector for the City of Ontario

Sector	2016 Emissions (MT CO_2e)	2030 BAU (MT CO_2e)	2030 Reductions (MT CO_2e)	2030 Emissions with Reduction Plan (MT CO_2e)	Reduction (percentage)
Building Energy	716,692	918,396	477,878	440,518	52.0
On-Road Transportation	858,558	990,657	347,214	643,442	35.0
Off-Road Equipment	21,904	33,452	1,234	32,218	3.7
Waste	118,949	153,171	132,051	21,120	86.2
Agriculture	356,588	140,594	32,647	107,947	23.2
Wastewater Treatment	5,396	6,949	354	6,595	5.1
Water Conveyance	13,878	17,145	1,620	15,525	9.4
GHG Performance Standard	-	-	46,375	-	-
Total	**2,091,964**	**2,260,363**	**1,039,373**	**1,220,991**	**45.6**
Goal	**-**	**-**	**-**	**1,255,179**	**-**
Goal Met?				**Yes**	
Reductions Beyond Goal				**34,188**	

Source: San Bernardino County GGRP, Table 3-44 (accessed October 2022).
Notes: Values may not sum due to rounding.
The GHG Performance Standard for New Development is not a sector of the inventory, but it contributes toward the City's reduction goal by promoting reductions in multiple sectors
BAU = business-as-usual
GGRP = Greenhouse Gas Reduction Plan
GHG = greenhouse gas
MT CO_2e = metric tons of carbon dioxide equivalent

METHODOLOGY

The methodology used to estimate air quality, health risk, GHG, and energy impacts is described below.

CONSTRUCTION EMISSIONS

Construction activities can generate a substantial amount of air pollution. Construction activities are considered temporary; however, short-term impacts can contribute to exceedances of air quality standards. Construction activities include demolition, site preparation, earthmoving, and general construction. The emissions generated from these common construction activities include fugitive dust from soil disturbance, fuel combustion from mobile heavy-duty diesel and gasoline powered equipment, portable auxiliary equipment, and worker commute trips.

The California Emissions Estimator Model version 2020.4.0 (CalEEMod) computer program was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site. This analysis assumes that construction would begin the third quarter of 2023 and would be anticipated to last for approximately 15 months, with project operations beginning in the fourth quarter of 2024. The proposed project would include the demolition of six existing structures, totaling 77,696 sq ft, which was included in this analysis. This analysis also assumes the use of Tier 2 construction equipment and that the proposed project would comply with SCAQMD Rule 403 measures. All other construction details are not yet known; therefore, default assumptions (e.g., construction worker and truck trips and fleet activities) from CalEEMod were used.

OPERATIONAL EMISSIONS

The air quality analysis includes estimating emissions associated with long-term operation of the proposed project. Consistent with the SCAQMD guidance for estimating emissions associated with land use development projects, the CalEEMod computer program was used to calculate the long-term operational emissions associated with the project. As discussed in the Project Description section, the proposed project would replace the existing structures to construct two industrial warehouse buildings totaling approximately 238,458 sq ft of building area. Therefore, the existing conditions analysis was conducted using land code *Unrefrigerated Warehouse- No Rail*. The proposed project analysis was conducted using land use codes *Unrefrigerated Warehouse-No Rail*, *City Park*, and *Parking Lot.* Trip generation rates used in CalEEMod for the project were based on the project's Trip Generation, which identifies that the existing conditions typically generate approximately 15 average daily trips and that the proposed project would generate a total of 554 average daily trips, including 345 passenger vehicle trips, 61 two-axle truck trips, 29 three-axle truck trips, and 119 four-axle truck trips.

CONSTRUCTION HEALTH RISK ASSESSMENT

A construction health risk assessment (HRA), which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. To estimate the potential cancer risk associated with construction of the proposed project from equipment exhaust (including DPM), a dispersion model was used to translate an emissions rate from the source location to a concentration at the receptor location of interest (i.e., a nearby residence and worksites). Dispersion

modeling varies from a simpler, more conservative screening-level analysis to a more complex and refined detailed analysis. This refined assessment was conducted using the CARB exposure methodology with the air dispersion modeling performed using the USEPA dispersion model AERMOD. The model provides a detailed estimate of exhaust concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and meteorological data.

OPERATIONAL HEALTH RISK ASSESSMENT

To determine the potential health risk to people living and working near the proposed project associated with the exhaust of diesel-powered trucks and equipment, an operational HRA was conducted for the proposed project. This HRA has been conducted using three models: (1) EMFAC2021 for on-road vehicle emissions factors and percentages of fuel type within the overall vehicle fleet; (2) the USEPA AERMOD air dispersion model to determine how the TACs would move through the atmosphere after release from sources both on site and on surrounding roadways; and (3) CARB's HARP2 model to translate the pollutant concentrations from AERMOD into individual health risks at any sensitive receptor locations surrounding the project site.

The first step of an HRA is to characterize the project-related emissions of TACs. The proposed project would generate a total of 554 average daily trips, including 345 passenger vehicle trips, 61 two-axle truck trips, 29 three-axle truck trips, and 119 four-axle truck trips. The trucks would access the site by Bon View Avenue, Ontario Boulevard, and California Street. The proposed project would provide a total of 30 dock-high doors; as the project would contain multiple loading docks, off-site queuing of trucks is not anticipated. While the TAC emissions from gasoline-powered vehicles have a small health effect compared to DPM, this HRA includes both gasoline- and diesel-powered vehicle emissions. For the diesel exhaust emissions, it is sufficient to only consider the DPM (PM_{10} and $PM_{2.5}$) portions of the exhaust; all the TACs for the gasoline exhaust emissions are contained in the ROG emissions. Using speciation data from CARB, the emission rates of the TAC components are derived from the total ROG emissions. These data are attached.

Project trucks would operate in two modes: stationary idling and moving on and off the site. The emissions from trucks while idling result in a much higher concentration of TACs at nearby sensitive receptors compared to the emissions from moving trucks. This is due to the dispersion of emissions that occurs with distance and with travel of the vehicle. For this HRA, the truck travel emissions were modeled as a series of volume sources along the on-site driveway, along Bon View Avenue going north and south, Ontario Boulevard going east and west, and California Street going east and west. LSA assumed vehicles traveling on site would maneuver slowly, averaging approximately 5–15 miles per hour (mph), and that vehicles traveling on roadways would average 5–55 mph.

The idling emissions of trucks operating on the project site were modeled as point sources within the area sources representing the planned loading docks. EMFAC2021 was used to determine the emissions factors of idling and operating diesel trucks to determine the total emissions of DPM. While it is expected that the truck emissions rate will continue to reduce over time, an HRA only allows for a single emission rate to represent the entire 30-year exposure period. The use of emissions factors for the year 2022, was used as a conservative estimate of emissions, although, the project is not expected to be fully operational until 2024.

ENERGY USE

The analysis of electricity/natural gas usage is based on the CalEEMod modeling, which quantifies energy use for project operations. Fuel consumption (diesel fuel and gasoline) from vehicle trips during operation was estimated for the opening year (2024) of the proposed project based on trip estimates from the CalEEMod model and fuel efficiencies from the CARB's EMFAC2021 model. Estimates of fuel consumption (diesel fuel and gasoline) from construction trucks and construction worker vehicles were based on trip estimates from the CalEEMod model and fuel efficiencies from the CARB EMFAC2021 model.

The analysis focuses on the four sources of energy that are relevant to the proposed project: electricity, natural gas, project construction equipment fuel, and vehicle fuel necessary for project operations. For the purposes of this analysis, the amount of electricity, natural gas, construction fuel, and fuel use from operations are quantified and compared to that consumed in Los Angeles County. The electricity/natural gas use of the proposed project is analyzed as a whole on an annual basis.

GREENHOUSE GAS ANALYSIS

Recognizing that the field of global climate change analysis is rapidly evolving, the approaches advocated most recently indicate that for determining a project's contribution to GHG emissions, lead agencies should calculate, or estimate, emissions from vehicular traffic, energy consumption, water conveyance and treatment, waste generation, construction activities, and any other significant source of emissions within the project area. The CalEEMod results were used to quantify GHG emissions generated by the project.

THRESHOLDS OF SIGNIFICANCE

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse air quality impact if project-generated pollutant emissions would:

- Conflict with or obstruct implementation of the applicable air quality plan;
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under applicable federal or state ambient air quality standards;
- Expose sensitive receptors to substantial pollutant concentrations; or
- Result in other emissions (such as those leading to odors) affecting a substantial number of people.

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse energy impact if the project would:

- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.
- Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

The *State CEQA Guidelines* indicate that a project would normally have a significant adverse greenhouse gas emission impact if the project would:

- Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment; or
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reduction the emissions of greenhouse gases.

Certain air districts (e.g., SCAQMD) have created guidelines and requirements to conduct air quality analysis. The SCAQMD's current guidelines, the *CEQA Air Quality Handbook* with associated updates, were followed in this assessment of air quality and GHG impacts for the proposed project.

CRITERIA POLLUTANT THRESHOLDS

SCAQMD has established daily emissions thresholds for construction and operation of a proposed project in the Basin. The emissions thresholds were established based on the attainment status of the Basin with regard to air quality standards for specific criteria pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety, these emissions thresholds are regarded as conservative and would overstate an individual project's contribution to health risks.

Table I lists the CEQA significance thresholds for construction and operational emissions established for the Basin. Projects in the Basin with construction- or operation-related emissions that exceed any of their respective emission thresholds would be considered significant under SCAQMD guidelines. These thresholds, which SCAQMD developed and that apply throughout the Basin, apply as both project and cumulative thresholds. If a project exceeds these standards, it is considered to have a project-specific and cumulative impact.

Table I: Regional Thresholds for Construction and Operational Emissions

Emissions Source	Pollutant Emissions Threshold (lbs/day)					
	VOC	NO_x	CO	PM_{10}	$PM_{2.5}$	SO_x
Construction	75	100	550	150	55	150
Operations	55	55	550	150	55	150

Source: SCAQMD. Air Quality Significance Thresholds. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf (accessed October 2022).

CO = carbon monoxide
lbs/day = pounds per day
NO_x = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOC = volatile organic compounds

HEALTH RISK THRESHOLDS

The following limits for maximum individual cancer risk (MICR) and noncancer acute and chronic Hazard Index (HI) from project emissions of TACs are considered appropriate for use in determining the health risk for projects in the Basin:

- **MICR:** MICR is the estimated probability of a maximally exposed individual (MEI) contracting cancer as a result of exposure to TACs over a period of 30 years for adults and 9 years for children in residential locations and over a period of 25 years for workers. The MICR calculations include multipathway consideration, when applicable.

  The cumulative increase in MICR that is the sum of the calculated MICR values for all TACs would be considered significant if it would result in an increased MICR greater than 10 in 1 million (1×10^{-5}) at any receptor location.

- **Chronic HI:** Chronic HI is the ratio of the estimated long-term level of exposure to a TAC for a potential MEI to its chronic reference exposure level. The chronic HI calculations include multipathway consideration, when applicable.

  The project would be considered significant if the cumulative increase in total chronic HI for any target organ system would exceed 1.0 at any receptor location.

- **Acute HI:** Acute HI is the ratio of the estimated maximum 1-hour concentration of a TAC for a potential MEI to its acute reference exposure level.

  The project would be considered significant if the cumulative increase in total acute HI for any target organ system would exceed 1.0 at any receptor location.

The SCAQMD *CEQA Air Quality Handbook*[53] states that emissions of TACs are considered significant if an HRA shows an increased risk of greater than 10 in 1 million. Based on guidance from SCAQMD in the document *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*[54], for the purposes of this analysis, the threshold of 10 in 1 million was used as the cancer risk threshold for the proposed project.

LOCALIZED IMPACTS ANALYSIS

The SCAQMD published its Final Localized Significance Threshold Methodology in July 2008, recommending that all air quality analyses include an assessment of air quality impacts to nearby sensitive receptors.[55] This guidance was used to analyze potential localized air quality impacts associated with construction of the proposed project. Localized significance thresholds (LST) are developed based on the size or total area of the emission source, the ambient air quality in the source receptor area, and the distance to the project. Sensitive receptors include residences, schools, hospitals, and similar uses that are sensitive to adverse air quality.

LSTs are based on the ambient concentrations of that pollutant within the project source receptor area (SRA) and the distance to the nearest sensitive receptor. For the proposed project, the appropriate SRA for the LST is the nearby Southwest San Bernardino Valley area (SRA 33). SCAQMD provides LST screening tables for 25, 50, 100, 200, and 500-meter source-receptor distances. As identified above, the closest sensitive receptors to the project site are residential uses such as a single-family home located approximately 179 feet south of the project site opposite East California Street. Further single-family homes are located south of the project site about 540 feet opposite Mission Boulevard. Based on the anticipated construction equipment, it is assumed that the maximum daily disturbed acreage for the proposed project would be 3.5 acres during construction.[56] Table J lists the emissions thresholds that apply during project construction and operation.

Table J: SCAQMD Localized Significance Thresholds

Emissions Source	Pollutant Emissions Threshold (lbs/day)			
	NO_x	CO	PM_{10}	$PM_{2.5}$
Construction	258.0	2,605.0	37.0	11.0
Operations	258.0	2,065.0	9.1	2.7

Source: South Coast Air Quality Management District (2008b).
CO = carbon monoxide
lbs/day = pounds per day
NO_x = nitrogen oxides
PM_{10} = particulate matter less than 10 microns in size
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
SCAQMD = South Coast Air Quality Management District

53 SCAQMD. 1993. *CEQA Air Quality Handbook* (currently under revision).
54 SCAQMD. 2003. *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*. August.
55 South Coast Air Quality Management District (SCAQMD). 2008b. *Final Localized Significance Threshold Methodology*. July.
56 SCAQMD. n.d. *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds*. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf (accessed October 2022).

LOCAL MICROSCALE CONCENTRATION STANDARDS

The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and federal CO standards. Because ambient CO levels are below the standards throughout the Basin, a project would be considered to have a significant CO impact if project emissions result in an exceedance of one or more of the 1-hour or 8-hour standards. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20 parts per million (ppm)
- California State 8-hour CO standard of 9 ppm

GLOBAL CLIMATE CHANGE

To provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents, SCAQMD convened a GHG CEQA Significance Threshold Working Group (Working Group). Based on the last Working Group meeting held in September 2010 (Meeting No. 15), SCAQMD proposed to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency:

- **Tier 1. Exemptions:** If a project is exempt from CEQA, project-level and cumulative GHG emissions are less than significant.

- **Tier 2. Consistency with a locally adopted GHG Reduction Plan:** If the project complies with a GHG emissions reduction plan or mitigation program that avoids or substantially reduces GHG emissions in the project's geographic area (i.e., city or county), project-level and cumulative GHG emissions are less than significant.

- **Tier 3. Numerical Screening Threshold:** If GHG emissions are less than the numerical screening-level threshold, project-level and cumulative GHG emissions are less than significant.

  For projects that are not exempt or where no qualifying GHG reduction plans are directly applicable, SCAQMD requires an assessment of GHG emissions. SCAQMD, under Option 1, is proposing a "bright-line" screening-level threshold of 3,000 metric tons (MT) of CO_2e (or MT CO_2e) per year (or MT CO_2e per year) for all land use types or, under Option 2, the following land-use-specific thresholds: 1,400 MT CO_2e commercial projects; 3,500 MT CO_2e for residential projects; or 3,000 MT CO_2e for mixed-use projects. This bright-line threshold is based on a review of the Governor's Office of Planning and Research database of CEQA projects. Based on their review of 711 CEQA projects, 90 percent of CEQA projects would exceed the bright-line thresholds identified above. Therefore, projects that do not exceed the bright-line threshold would have a nominal and therefore less than cumulatively considerable impact on GHG emissions.

- **Tier 4. Performance Standards:** If emissions exceed the numerical screening threshold, a more detailed review of the project's GHG emissions is warranted. SCAQMD has proposed an efficiency target for projects that exceed the bright-line threshold. The current recommended approach is per capita efficiency targets. SCAQMD is not recommending use of a percent emissions reduction target. Instead, SCAQMD proposes a 2020 efficiency target of 4.8 MT CO_2e

per year per service population (for project-level analyses and 6.6 MT CO_2e per year per service population for plan-level projects (e.g., program-level projects such as general plans). The GHG efficiency metric divides annualized GHG emissions by the service population, which is the sum of residents and employees, per the following equation:

Rate of Emission: GHG Emissions (MT CO_2e per year) ÷ Service Population

The efficiency evaluation consists of comparing the project's efficiency metric to efficiency targets. Efficiency targets represent the maximum quantity of emissions each resident and employee in the State of California could emit in various years based on emissions levels necessary to achieve the statewide GHG emissions reduction goals. A project that results in a lower rate of emissions would be more efficient than a project with a higher rate of emissions, based on the same service population. The metric considers GHG reduction measures integrated into a project's design and operation (or through mitigation). The per capita efficiency targets are based on the AB 32 GHG reduction target and 2020 GHG emissions inventory prepared for the CARB's 2008 Scoping Plan.

For the purpose of this analysis, the proposed project will be compared to the screening-level Tier 3 Numerical Screening Threshold of 3,000 MT CO_2e per year for all land use types. The project is also evaluated for compliance with the 2017 Scoping Plan.

IMPACTS ANALYSIS

This section identifies the air quality, energy, and GHG emissions impacts associated with implementation of the proposed project.

AIR QUALITY IMPACTS

Air pollutant emissions associated with the project would occur over the short term from construction activities and over the long term from operational activities associated with the proposed land uses.

Consistency with Applicable Air Quality Plans

The Ontario Plan 2050 FSEIR found that The Ontario Plan 2050 would be inconsistent with the SCAQMD AQMP because buildout under the plan would cumulatively contribute to the nonattainment designations of the basin. The Ontario Plan 2050 FSEIR found that incorporation of The Ontario Plan 2050 FSEIR Mitigation Measures 3-2 and AQ-1 into future development projects for the operation phase would reduce criteria air pollutant emissions associated with buildout. Additionally, it was determined that goals and policies in The Ontario Plan 2050 would promote increased capacity for alternative transportation modes. However, The Ontario Plan 2050 FSEIR determined that due to the magnitude of residential units that would be developed under The Ontario Plan 2050, no additional mitigation measures are available that would reduce impacts below SCAQMD thresholds. As such, impacts were found to be significant and unavoidable.

A consistency determination plays an essential role in local agency project review by linking local planning and unique individual projects to the air quality plans. A consistency determination fulfills the CEQA goal of fully informing local agency decision-makers of the environmental costs of the project under consideration at a stage early enough to ensure that air quality concerns are addressed. Only new or amended General Plan elements, Specific Plans, and significantly unique projects need to undergo a consistency review due to the air quality plan strategy being based on projections from local General Plans.

The AQMP is based on regional growth projections developed by SCAG. The proposed project would include 238,458 sq ft of warehouse uses. The proposed project would not house more than 1,000 persons, occupy more than 40 acres of land, or encompass more than 650,000 sq ft of floor area. Thus, the proposed project would not be defined as a regionally significant project under CEQA; therefore, it does not meet SCAG's Intergovernmental Review criteria.

The City's General Plan is consistent with the SCAG Regional Comprehensive Plan Guidelines and the SCAQMD AQMP. Pursuant to the methodology provided in the SCAQMD *CEQA Air Quality Handbook*, consistency with the Basin 2016 AQMP is affirmed when a project (1) would not increase the frequency or severity of an air quality standards violation or cause a new violation and (2) is consistent with the growth assumptions in the AQMP. Consistency review is presented as follows:

1. The project would result in short-term construction and long-term operational pollutant emissions that are all less than the CEQA significance emissions thresholds established by SCAQMD, as demonstrated below; therefore, the project in would not result in an increase in

the frequency or severity of an air quality standards violation or cause a new air quality standard violation.

2. The *CEQA Air Quality Handbook* indicates that consistency with AQMP growth assumptions must be analyzed for new or amended General Plan elements, Specific Plans, and significant projects. Significant projects include airports, electrical generating facilities, petroleum and gas refineries, designation of oil drilling districts, water ports, solid waste disposal sites, and offshore drilling facilities; therefore, the proposed project is not defined as significant. In addition, the proposed project would not require a change to the General Plan land use designation or the current zoning, and would be consistent with the City's General Plan and Zoning Ordinance.

Based on the consistency analysis presented above, the proposed project would be consistent with the regional AQMP. The proposed project would also be required to comply with The Ontario Plan 2050 FSEIR Mitigation Measures 3-2 and AQ-1, which would ensure that the proposed project's potential construction and operational air quality impacts would be less than significant. Therefore, the proposed project would not lead to new or more severe impacts associated with clean air plan consistency beyond those identified in The Ontario Plan 2050 FSEIR.

Criteria Pollutant Analysis

The Basin is designated as non-attainment for O_3 and $PM_{2.5}$ for federal standards and non-attainment for O_3, PM_{10}, and $PM_{2.5}$ for State standards. The SCAQMD's nonattainment status is attributed to the region's development history. Past, present, and future development projects contribute to the region's adverse air quality impacts on a cumulative basis. By its very nature, air pollution is largely a cumulative impact. No single project is sufficient in size to, by itself, result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's contribution to the cumulative impact is considerable, then the project's impact on air quality would be considered significant.

In developing thresholds of significance for air pollutants, the SCAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions. Therefore, additional analysis to assess cumulative impacts is unnecessary. The following analysis assesses the potential project-level construction- and operation-related air quality impacts.

Construction Emissions

The Ontario Plan 2050 FSEIR determined that buildout in accordance with The Ontario Plan 2050 would generate short-term emissions that would exceed the SCAQMD's regional significance thresholds and cumulatively contribute to the nonattainment designations of the basin. The Ontario Plan 2050 FSEIR found that The Ontario Plan 2050 FSEIR Mitigation Measure 3-1 and The Ontario Plan 2050 goals and policies would reduce construction-related air pollutant emissions to the extent feasible. However, The Ontario Plan 2050 FSEIR determined that individual projects accommodated under The Ontario Plan 2050 may exceed the SCAQMD regional significance thresholds. Therefore, it was determined that construction-related regional air quality impacts of developments that would be accommodated by The Ontario Plan 2050 FSEIR would be significant and unavoidable.

Similar to the impacts discussed in The Ontario Plan 2050 FSEIR, during construction, short-term degradation of air quality may occur due to the release of particulate emissions generated by demolition, grading, paving, building, and other activities. Emissions from construction equipment are also anticipated and would include CO, NO_X, ROG, directly-emitted particulate matter ($PM_{2.5}$ and PM_{10}), and TACs such as diesel exhaust particulate matter.

Project construction activities would include demolition, grading, site preparation, building, paving, and architectural coating activities. Construction-related effects on air quality from the proposed project would be greatest during the site preparation phase due to the disturbance of soils. If not properly controlled, these activities would temporarily generate particulate emissions. Sources of fugitive dust would include disturbed soils at the construction site. Unless properly controlled, vehicles leaving the site would deposit dirt and mud on local streets, which could be an additional source of airborne dust after it dries. PM_{10} emissions would vary from day to day, depending on the nature and magnitude of construction activity and local weather conditions. PM_{10} emissions would depend on soil moisture, silt content of soil, wind speed, and the amount of operating equipment. Larger dust particles would settle near the source, while fine particles would be dispersed over greater distances from the construction site.

Water or other soil stabilizers can be used to control dust, resulting in emission reductions of 50 percent or more. The SCAQMD has established Rule 403: Fugitive Dust, which would require the applicant to implement measures that would reduce the amount of PM generated during the construction period.

In addition to dust-related PM_{10} emissions, heavy trucks and construction equipment powered by gasoline and diesel engines would generate CO, SO_2, NO_x, VOCs and some soot particulate ($PM_{2.5}$ and PM_{10}) in exhaust emissions. If construction activities were to increase traffic congestion in the area, CO and other emissions from traffic would increase slightly while those vehicles idle in traffic. These emissions would be temporary in nature and limited to the immediate area surrounding the construction site.

Construction emissions were estimated for the project using CalEEMod. Table K lists the tentative project construction schedule based on a 15-month project duration. Table L lists the potential construction equipment to be used during project construction under each phase of construction. Other precise details of construction activities are unknown at this time; therefore, default settings (e.g., construction equipment) from CalEEMod were assumed. Table M identifies the total annual emissions associated with construction activities. CalEEMod output sheets are included in Appendix A.

Table K: Tentative Project Construction Schedule

Phase Number	Phase Name	Phase Start Date	Phase End Date	Number of Days/Week	Number of Days
1	Demolition	7/3/2023	7/14/2023	5	10
2	Site Preparation	7/17/2023	7/28/2023	5	10
3	Grading	7/31/2023	8/18/2023	5	15
4	Building Construction	8/21/2023	9/27/2024	5	290
5	Paving	9/30/2024	10/11/2024	5	10
6	Architectural Coating	4/1/2024	10/18/2024	5	145

Source: Compiled by LSA (October 2022).

Table L: Diesel Construction Equipment Utilized by Construction Phase

Construction Phase	Off-Road Equipment Type	Off-Road Equipment Unit Amount	Hours Used per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	1	8	81	0.73
	Excavators	3	8	158	0.38
	Rubber Tired Dozers	2	8	247	0.4
Site Preparation	Rubber Tired Dozers	3	8	247	0.4
	Tractors/Loaders/Backhoes	4	8	97	0.37
Grading	Excavators	2	8	158	0.38
	Graders	1	8	187	0.41
	Rubber Tired Dozers	1	8	247	0.4
	Tractors/Loaders/Backhoes	2	8	97	0.37
	Scrapers	2	8	367	0.48
Building Construction	Cranes	1	7	231	0.29
	Forklifts	3	8	89	0.2
	Generator Sets	1	8	84	0.74
	Tractors/Loaders/Backhoes	3	7	97	0.37
	Welders	1	8	46	0.45
Paving	Pavers	2	8	130	0.42
	Paving Equipment	2	8	132	0.36
	Rollers	2	8	80	0.38
Architectural Coating	Air Compressors	1	6	78	0.48

Source: Compiled by LSA using CalEEMod defaults (October 2022).
CalEEMod = California Emissions Estimator Model

Table M: Project Construction Emissions

Project Construction	Maximum Pollutant Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Demolition	1.4	36.8	26.4	0.1	5.2	1.7
Site Preparation	1.3	33.8	23.6	<0.1	10.0	5.5
Grading	2.1	50.3	35.7	0.1	5.7	3.1
Building Construction	1.7	26.1	24.4	0.1	3.0	1.5
Paving	1.3	15.6	16.5	<0.1	0.8	0.6
Architectural Coating	15.6	2.4	2.9	<0.1	0.4	0.2
Maximum (lbs/day)	**17.3**	**50.3**	**35.7**	**0.1**	**10.0**	**5.5**
SCAQMD Thresholds	75.0	100.0	550.0	150.0	150.0	55.0
Exceeds?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (October 2022).
Note: Maximum emissions of VOC occurred during the overlapping building construction and architectural coating phases.
CO = carbon monoxide
lbs/day = pounds per day
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
VOC = volatile organic compounds

As shown in Table M, construction emissions associated with the project would not exceed the SCAQMD thresholds for VOC, NO_x, CO, sulfur oxides (SO_X), $PM_{2.5,}$ or PM_{10} emissions. In addition to the construction period thresholds of significance, the project is required to comply with regional rules that assist in reducing short-term air pollutant emissions. In addition, the proposed project would also be required to comply with The Ontario Plan 2050 FSEIR Mitigation Measure 3-1, which requires the implementation of SCAQMD Rule 403, which requires that fugitive dust be controlled with best-available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, SCAQMD Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off site. Even though the project's construction would not exceed any of the emissions thresholds as noted in Table M, compliance with The Ontario Plan 2050 FSEIR Mitigation Measure 3-1 and SCAQMD Rule 403 dust suppression techniques can further reduce the fugitive dust generation (and thus, the PM_{10} component). With compliance with The Ontario Plan 2050 FSEIR Mitigation Measure 3-1 and SCAQMD Rule 403, construction of the proposed project would not result in emissions that would result in a cumulatively considerable net increase of any criteria pollutant for which the project is in nonattainment under an applicable federal or State ambient air quality standard. Therefore, the proposed project would not lead to new or substantially more severe significant impacts associated with construction-related air quality beyond those identified in The Ontario Plan 2050 FSEIR.

Operational Air Quality Impacts

The Ontario Plan 2050 FSEIR found that buildout in accordance with The Ontario Plan 2050 would generate long-term emissions that would exceed the SCAQMD's regional significance thresholds and cumulatively contribute to the nonattainment designations of the basin. The Ontario Plan 2050 FSEIR identified that Mitigation Measure 3-2 and AQ-1, in addition to the goals and policies of The Ontario Plan 2050, would reduce air pollutant emissions to the extent feasible. However, The Ontario Plan 2050 FSEIR found that impacts would remain significant and unavoidable due to the increase in VOCs from residential development associated with The Ontario Plan 2050.

The proposed project would not include residential development; however, similar to The Ontario Plan 2050, the proposed project would generate long-term air pollutant emission impacts associated with mobile sources (e.g., vehicle trips), energy sources (e.g., natural gas), and area sources (e.g., architectural coatings and the use of landscape maintenance equipment).

PM_{10} emissions result from running exhaust, tire and brake wear, and the entrainment of dust into the atmosphere from vehicles traveling on paved roadways. Entrainment of PM_{10} occurs when vehicle tires pulverize small rocks and pavement and the vehicle wakes generate airborne dust. The contribution of tire and brake wear is small compared to the other PM emission processes. Gasoline-powered engines have small rates of PM emissions compared with diesel-powered vehicles.

Energy source emissions result from activities in buildings for which electricity and natural gas are used. The quantity of emissions is the product of usage intensity (i.e., the amount of natural gas) and the emission factor of the fuel source. Major sources of energy demand for the proposed project could include building mechanical systems, such as heating and air conditioning.

Typically, area source emissions consist of direct sources of air emissions located at the project site, including architectural coatings, consumer products, and the use of landscape maintenance equipment.

Long-term operation emissions associated with the proposed project were calculated using CalEEMod. Model results are shown in Table N below. CalEEMod output sheets are included in Appendix A.

Table N: Project Operational Emissions

Emission Type	Pollutant Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Existing Uses Operational Emissions						
Area Sources	1.3	<0.1	<0.1	0.0	0.0	0.0
Energy Sources	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mobile Sources	<0.1	0.1	0.5	<0.1	0.1	<0.1
Total Existing Emissions	**1.3**	**0.1**	**0.5**	**<0.1**	**0.1**	**<0.1**
Proposed Project Operational Emissions						
Area Sources	5.4	<0.1	<0.1	0.0	<0.1	<0.1
Energy Sources	0.1	0.5	0.4	<0.1	<0.1	<0.1
Mobile Sources	2.1	11.9	22.2	0.1	5.4	1.5
Total Project Emissions	**7.6**	**12.4**	**22.6**	**0.1**	**5.4**	**1.5**
Net Operational Emissions	**6.3**	**12.3**	**22.1**	**0.1**	**5.3**	**1.5**
SCAQMD Thresholds	55.0	55.0	550.0	150.0	150.0	55.0
Significant?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Compiled by LSA (October 2022).
CO = carbon monoxide
NO_X = nitrogen oxides
$PM_{2.5}$ = particulate matter less than 2.5 microns in size
PM_{10} = particulate matter less than 10 microns in size
SCAQMD = South Coast Air Quality Management District
SO_X = sulfur oxides
ROG = volatile organic compounds

The results shown in Table N indicate the project would not exceed the significance criteria for VOC, NO_X, CO, SO_X, PM_{10}, or $PM_{2.5}$ emissions; thus, the proposed project would not have a significant effect on regional air quality. The proposed project would also be required to comply with The Ontario Plan 2050 FSEIR Mitigation Measures 3-2 and AQ-1, which would ensure that the proposed project's potential operational air quality impacts would be less than significant. Therefore, operation of the project would not result in a cumulatively considerable net increase of any criteria pollutant for which the project is nonattainment under an applicable federal or State ambient air quality standard. Therefore, the proposed project would not lead to new or more severe operational air quality impacts beyond those identified in The Ontario Plan 2050 FSEIR.

Localized Significance Analysis

The SCAQMD recommends the evaluation of localized air quality impacts to sensitive receptors such as residential land uses in the immediate vicinity of a project site as a result of construction activities. The thresholds are based on standards established by the SCAQMD in its LST Methodology and are measured against emissions that occur on a specific project site. However, the LSTs are applicable to projects at the project-specific level and are not applicable to programmatic

documents, such as The Ontario Plan 2050. As such, The Ontario Plan 2050 FSEIR did not evaluate potential LST impacts.

Project construction and operation emissions were compared to the LST screening tables in SRA 4, based on a 25-meter source-receptor distance and a disturbed acreage of 3.5 acres for construction and 5.0 acres for operation. The results of the LST analysis, summarized in Table O and Table P, indicate that the project would not result in an exceedance of the SCAQMD LSTs during project construction or operation. Therefore, the proposed project would not lead to new or more severe LST impacts beyond those identified in The Ontario Plan 2050 FSEIR.

Table O: Project Localized Construction Emissions (in Pounds Per Day)

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
On-Site Project Emissions	50.3	34.9	9.8	5.5
Localized Significance Threshold	258.0	2,065.0	37.0	11.0
Exceeds Threshold?	**No**	**No**	**No**	**No**

Source: Compiled by LSA (September 2022)
Note: Source Receptor Area 33 based on a 3.5-acre construction disturbance daily area, at a distance of 55 meters (180 feet) from the project boundary.
CO= carbon monoxide
NO_X= nitrogen oxides
$PM_{2.5}$= particulate matter less than 2.5 microns in size
PM_{10}= particulate matter less than 10 microns in size

Table P: Project Localized Operational Emissions (in Pounds Per Day)

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Proposed Project On-Site Emissions	<1.0	1.1	<1.0	<1.0
Localized Significance Threshold	258.0	2,065.0	9.1	2.7
Exceeds Threshold?	**No**	**No**	**No**	**No**

Source: Compiled by LSA (September 2022)
Note: Source Receptor Area 33 based on a 3.5cre project site, at a distance of 55 meters (180 feet) from the project boundary.
CO= carbon monoxide
NO_X= nitrogen oxides
$PM_{2.5}$= particulate matter less than 2.5 microns in size
PM_{10}= particulate matter less than 10 microns in size

Health Risk on Nearby Sensitive Receptors

As discussed in The Ontario Plan 2050 FSEIR, buildout of The Ontario Plan 2050 FSEIR could expose sensitive receptors to substantial concentrations of TACs. Buildout could result in new sources of criteria air pollutant emissions and/or TACs near existing or planned sensitive receptors. In addition, The Ontario Plan 2050 FSEIR found that Policy ER-4.9, New Localized Air Pollution Sources Near Existing Sensitive Receptors, would ensure mobile sources of TACs not covered under SCAQMD permits are considered during subsequent project-level environmental review by the City of Ontario. The Ontario Plan 2050 FSEIR concluded that individual development projects would be required to achieve the incremental risk thresholds established by SCAQMD, and TACs would be less than significant. However, The Ontario Plan 2050 FSEIR found that implementation of The Ontario Plan 2050 would generate TACs that could contribute to elevated levels in the air basin. While individual projects would achieve the project-level risk threshold of 10 per million, it was determined that they would nonetheless contribute to the higher levels of cancer risk in the basin;

and therefore, result in a cumulatively considerable impact. Therefore, impacts related to cumulative contribution to health risk was determined to be significant and unavoidable.

Sensitive receptors are defined as people that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include schools, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential dwelling units. The closest sensitive receptors to the project site are residential uses such as a single-family home located approximately 179 feet south of the project site opposite East California Street. Further single-family homes are located south of the project site about 540 feet opposite of Mission Boulevard.

The following section describes the potential impacts on sensitive receptors from construction and operation of the proposed project. The HRA analysis and results are presented below; data outputs are included in Appendix B.

Construction Health Risk Assessment

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. Table Q, below, identifies the results of the analysis assuming the use of Tier 2 construction equipment, as proposed by the project, at the MEI, which is the nearest sensitive receptor. Model snap shots of the sources are shown in Appendix B.

Table Q: Unmitigated Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	0.97	0.046	0.000
Sensitive Receptor Risk	18.20	0.015	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**Yes**	**No**	**No**

Source: LSA (October 2022).
SCAQMD = South Coast Air Quality Management District

As shown in Table Q, the maximum cancer risk for the sensitive receptor MEI would be 18.20 in one million, which would exceed the SCAQMD cancer risk threshold of 10 in one million. The worker receptor risk would be lower at 0.97 in one million, which would not exceed the threshold. The total chronic hazard index would be 0.046 for the worker receptor MEI and 0.015 for the sensitive receptor MEI, which would both be below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0. As indicated above, the cancer risk of 18.2 in one million would exceed SCAQMD thresholds. Therefore, mitigation would be required to reduce substantial pollutant concentrations during project construction.

As discussed above, The Ontario Plan 2050 FSEIR Mitigation Measures 3-1 and AQ-1, which require that prior to discretionary approval by the City of Ontario for development projects subject to CEQA, project applicants shall prepare and submit a technical assessment evaluating potential project construction- and operational-related air quality impacts to the City of Ontario Planning Department for review and approval. The evaluation must be prepared in conformance with SCAQMD

methodology for assessing air quality impacts and shall identify mitigation measures as part of conditions of approval if air pollutants are determined to have the potential to exceed the SCAQMD thresholds of significance. As such, Project-Specific Condition of Approval AIR-1, would be required to reduce substantial pollutant concentrations during project construction.

Project-Specific Condition of Approval AIR-1 During construction of the proposed project, the project contractor shall ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for the project construction at a minimum meets the California Air Resources Board Tier 2 emissions standards equipped with Level 3 diesel particulate filters or the equivalent.

Table R identifies the results of the analysis with implementation of Project-Specific Condition of Approval AIR-1.

Table R: Health Risks from Project Construction to Off-Site Receptors with AIR-1

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	0.16	0.008	0.000
Sensitive Receptor Risk	3.08	0.003	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: LSA (October 2022).
SCAQMD = South Coast Air Quality Management District

As shown in Table R, the mitigated cancer risk at the sensitive receptor MEI would be 3.08 in one million, which would not exceed the SCAQMD cancer risk of 10 in one million. Therefore, with implementation of Project-Specific Condition of Approval AIR-1, construction of the proposed project would not exceed SCAQMD thresholds and would not expose nearby sensitive receptors to substantial pollutant concentrations. Therefore, the proposed project would not lead to new or more severe impacts to sensitive receptors beyond those identified in The Ontario Plan 2050 FSEIR.

Operational Health Risk Assessment

As required by Policy ER-4.9, to determine the potential health risk to people living and working near the proposed project associated with the exhaust of diesel-powered trucks and equipment, an operational HRA was conducted for the proposed project. The carcinogenic and chronic health risks from the proposed project are shown in Table S. The residential risk incorporates the risk for a resident from birth living in a nearby residence (assuming an increased risk due to the increased breathing rate of a child) and an adult living in a nearby residence for 30 years (considered a conservative period of time for an individual to live in any one residence). The HRA model snapshots and outputs are included in Appendix B.

Table S: Health Risks from Project Operation to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in One Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Worker Receptor Risk	0.30	0.001	0.000
Sensitive Receptor Risk	1.94	0.001	0.000
SCAQMD Significance Threshold	**10.0 in one million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: LSA (October 2022).
SCAQMD = South Coast Air Quality Management District

As shown in Table S, the maximum cancer risk for the sensitive receptor MEI would be 1.94 in one million, less than the threshold of 10 in one million. The worker receptor risk would be lower at 0.30 in one million, which would also be below the threshold of 10 in one million. The total chronic hazard index would be 0.001 for both the sensitive and worker receptor MEI, which is below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0.000), which would also not exceed the threshold of 1.0. As these results show, all health risk levels to nearby residents from operation-related emissions of TACs would be well below the SCAQMD's HRA thresholds. No significant health risk would occur from project operation emissions. Therefore, the proposed project would not lead to new or more severe impacts to sensitive receptors beyond those identified in The Ontario Plan 2050 FSEIR.

Odors

As discussed in The Ontario Plan 2050 FSEIR, land uses typically considered to be associated with odors include compost facilities, landfills, solid-waste transfer stations, fiberglass manufacturing facilities, paint/coating operations (e.g., auto body shops), asphalt batch manufacturing plants, chemical manufacturing, and food manufacturing facilities. The Ontario Plan 2050 FSEIR found that since these types of uses would be limited to areas designated Industrial, impacts would be less than significant. In addition, The Ontario Plan 2050 FSEIR found that construction activities could temporarily generate odors; however, by the time such emissions reached any sensitive receptor sites, they would be diluted to well below any level of air quality concern. As such, impacts were determined to be less than significant.

Similar to The Ontario Plan 2050, during project construction, some odors may be present due to diesel exhaust. However, these odors would be temporary and limited to the construction period. The proposed project would not include any activities or operations that would generate objectionable odors and once operational, the project would not be a source of odors. Therefore, the proposed project would not result in other emissions (such as those leading to odors) affecting a substantial number of people. Therefore, the proposed project would not lead to new or more severe odor impacts beyond those identified in The Ontario Plan 2050 FSEIR.

ENERGY IMPACTS

The following describes the potential impacts regarding energy resources that could result from implementation of the proposed project.

Energy Consumption

The proposed project would increase the demand for energy through day-to-day operations and fuel consumption associated with project construction. This section discusses energy use resulting from implementation of the proposed project and evaluates whether the proposed project would result in the wasteful, inefficient, or unnecessary consumption of energy resources or conflict with any applicable plans for renewable energy and energy efficiency.

Construction Energy Use

The Ontario Plan 2050 FSEIR determined that development projects constructed under The Ontario Plan 2050 would create temporary demands for electricity and would also temporarily increase demands for energy associated with transportation. The Ontario Plan 2050 FSEIR found that most off-road construction equipment, such as those used during demolition and grading, would be gas or diesel powered and that all operation of construction equipment would cease upon completion of project construction. Furthermore, The Ontario Plan 2050 FSEIR determined that construction contractors would be required to minimize nonessential idling of construction equipment during construction in accordance with the California Code of Regulations Title 13, Article 4.8, Chapter 9, Section 2449, which would limit wasteful and unnecessary energy consumption. As such, impacts were found to be less than significant.

Similar to The Ontario Plan 2050, construction would begin the third quarter of 2023 and would be anticipated to last for approximately 15 months, with project operations beginning in the fourth quarter of 2024. The project would require energy for activities such as the manufacture and transportation of building materials, grading activities, and building construction. Construction of the proposed project would require electricity to power construction-related equipment. Construction of the proposed project would not involve the consumption of natural gas. The construction-related equipment would not be powered by natural gas, and no natural gas demand is anticipated during construction.

Transportation energy represents the largest energy use during construction and would occur from the transport and use of construction equipment, delivery vehicles and haul trucks, and construction worker vehicles that would use petroleum fuels (e.g., diesel fuel and/or gasoline). Therefore, the analysis of energy use during construction focuses on fuel consumption. Construction trucks and vendor trucks hauling materials to and from the project site would be anticipated to use diesel fuel, whereas construction workers traveling to and from the project site would be anticipated to use gasoline-powered vehicles. Fuel consumption from transportation uses depends on the type and number of trips, VMT, the fuel efficiency of the vehicles, and the travel mode.

Estimates of fuel consumption (diesel fuel and gasoline) from construction equipment, construction trucks, and construction worker vehicles were based on default construction equipment assumptions and trip estimates from CalEEMod and fuel efficiencies from EMFAC2021. Fuel consumption estimates are presented in Table T. CalEEMod output sheets are included in Appendix A, and detailed energy calculations are included in Appendix C.

Table T: Proposed Project Energy Consumption Estimates during Construction

Energy Type	Total Energy Consumption	Percentage Increase Countywide
Diesel Fuel (total gallons)	77,764.3	0.01
Gasoline (total gallons)	54,612.8	0.02

Source: Compiled by LSA (September 2022)

As indicated in Table T, the project would consume approximately 77,764.3 gallons of diesel fuel and approximately 54,612.8 gallons of gasoline during construction. Based on fuel consumption obtained from EMFAC2021, approximately 321.6 million gallons of diesel and approximately 917.9 million gallons of gasoline will be consumed from vehicle trips in San Bernardino County in 2022. Therefore, construction of the proposed project would increase the annual construction generated fuel use in San Bernardino County by approximately 0.01 percent for diesel fuel usage and by 0.02 percent for gasoline fuel usage. As such, project construction would have a negligible effect on local and regional energy supplies. Furthermore, impacts related to energy use during construction would be temporary and relatively small in comparison to San Bernardino County's overall use of the State's available energy resources. No unusual project characteristics would necessitate the use of construction equipment that would be less energy efficient than at comparable construction sites in the region or the State. In addition, construction activities are not anticipated to result in an inefficient use of energy as gasoline and diesel fuel would be supplied by construction contractors who would conserve the use of their supplies to minimize their costs on the project. The project would not cause or result in the need for additional energy facilities or an additional or expanded delivery system. For these reasons, fuel consumption during construction would not be inefficient, wasteful, or unnecessary. Therefore, the proposed project would not lead to new or substantially more severe significant impacts associated with construction-related energy beyond those identified in The Ontario Plan 2050 FSEIR.

Operational Energy Usage

As discussed in The Ontario Plan 2050 FSEIR, operation of new development projects accommodated under The Ontario Plan 2050 FSEIR would create additional demands for electricity and natural gas compared to existing conditions. Operational use of electricity and natural gas would include heating, cooling, and ventilation of buildings; water heating; operation of electrical systems; use of on-site equipment and appliances; and lighting. The Ontario Plan 2050 FSEIR determined that regulatory compliance (e.g., Building Energy Efficiency Standards, CALGreen, RPS, and CAFE standards) would increase building energy efficiency and vehicle fuel efficiency and reduce building energy demand and transportation-related fuel usage. Additionally, The Ontario Plan 2050 FSEIR found that implementation of policies related to land use and transportation planning and design, energy efficiency, public and active transit, and renewable energy generation would contribute to minimizing building and transportation-related energy demands overall and demands on nonrenewable sources of energy. As such, it was determined that impacts would be less than significant.

Similar to The Ontario Plan 2050, operational energy use associated with the proposed project would be associated with natural gas use, electricity consumption, and fuel used for vehicle trips.

Energy consumption was estimated for the proposed project using default energy intensities by land use type in CalEEMod.

The proposed project would also result in energy usage associated with gasoline and diesel fuel consumed by project-related vehicle and truck trips. Fuel use associated with vehicle and truck trips generated by the proposed project was calculated based on the project's Trip Generation, which identifies that the existing conditions typically generate approximately 15 average daily trips and that the proposed project would generate a total of 554 average daily trips, including 345 passenger vehicle trips, 61 two-axle truck trips, 29 three-axle truck trips, and 119 four-axle truck trips The amount of operational fuel use was estimated using CARB's EMFAC2021 model, which provided projections for typical daily fuel usage in San Bernardino County.

Electricity, natural gas, and fuel usage estimates associated with the proposed project are shown in Table U.

As shown in Table U, the estimated potential net increase in electricity demand associated with the operation of the proposed project is 676,878 kilowatt-hours (kWh) per year. Total electricity demand in San Bernardino County in 2020 was approximately 15,968.5 GWh (15,968,500,000 kWh). Therefore, operation of the proposed project would negligibly increase the annual electricity consumption in San Bernardino County by less than 0.01 percent.

As shown in Table U, the estimated potential net increase in natural gas demand associated with the proposed project is 16,821 therms per year. Total natural gas consumption in San Bernardino County in 2020 was 527 million therms (527,236,428 therms). Therefore, operation of the proposed project would negligibly increase the annual natural gas consumption in San Bernardino County by less than 0.01 percent.

Table U: Energy Consumption Estimates During Project Operation

Energy Type	Annual Energy Consumption
Existing Uses Operational Energy Consumption	
Electricity Consumption (kWh/year)	247,073
Natural Gas Consumption (therms/year)	1,951
Proposed Project Operational Energy Consumption	
Electricity Consumption (kWh/year)	923,951
Natural Gas Consumption (therms/year)	18,772
Net Electricity Consumption	**676,878**
Net Natural Gas Consumption	**16,821**
Existing Uses Automotive Fuel Consumption	
Gasoline (gallons/year)	2,423.5
Diesel Fuel (gallons/year)	321.2
Proposed Project Automotive Fuel Consumption	
Gasoline (gallons/year)	66,832.0
Diesel Fuel (gallons/year)	90,411.7
Net Gasoline Consumption	**64,408.5**
Net Diesel Fuel Consumption	**90,090.5**

Source: Compiled by LSA (September 2022).
kWh = kilowatt-hours

Electrical and natural gas demand associated with project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region. Furthermore, the proposed project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. The project would be required to adhere to all federal, State, and local requirements for energy efficiency, including the Title 24 standards.

Title 24 building energy efficiency standards establish minimum efficiency standards related to various building features, including appliances, water and space heating and cooling equipment, building insulation and roofing, and lighting, which would reduce energy usage.

As shown in Table U, the net increase in fuel use associated with the vehicle trips generated by the proposed project is estimated at 64,408.5 gallons of gasoline and 90,090.5 gallons of diesel fuel per year. This analysis conservatively assumes that all vehicle trips generated as a result of project operation would be new to San Bernardino County. Based on fuel consumption obtained from EMFAC2021, approximately 321.6 million gallons of diesel and approximately 917.9 million gallons of gasoline will be consumed from vehicle trips in San Bernardino County in 2022. Therefore, vehicle and truck trips associated with the proposed project would increase the annual fuel use in San Bernardino County by approximately 0.02 percent for gasoline fuel usage and approximately 0.01 percent for diesel fuel usage. Fuel consumption associated with vehicle trips generated by project operations would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region. Therefore, the proposed project would not lead to new or substantially more severe significant impacts associated with operational energy beyond those identified in The Ontario Plan 2050 FSEIR.

Conflict with Renewable Energy or Energy Efficiency Plans

The Ontario Plan 2050 FSEIR found that The Ontario Plan 2050 would comply with the RPS, the Building Energy Efficiency Standards, and CALGreen and as such would not conflict with or obstruct implementation of a state or local plan for renewable energy or energy efficiency. Impacts were determined to be less than significant.

In 2002, the Legislature passed SB 1389, which required the CEC to develop an integrated energy plan every two years for electricity, natural gas, and transportation fuels for the Integrated Energy Policy Report. The plan calls for the State to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies a number of strategies, including assistance to public agencies and fleet operators in implementing incentive programs for ZEVs and their infrastructure needs, and encouragement of urban designs that reduce VMT and accommodate pedestrian and bicycle access.

The CEC's *2021 Integrated Energy Policy Report* and *2022 Integrated Energy Policy Report Update* provide the results of the CEC's assessments of a variety of energy issues facing California. As indicated above, energy usage on the project site during construction would be temporary in nature and would be relatively small in comparison to the overall use in San Bernardino County. In addition, energy usage associated with operation of the proposed project would be relatively small in comparison to the overall use in Los Angeles County, and the State's available energy resources. Therefore, energy impacts at the regional level would be negligible. Because California's energy

conservation planning actions are conducted at a regional level, and because the proposed project's total impact on regional energy supplies would be minor, the proposed project would not conflict with or obstruct California's energy conservation plans as described in the CEC's Integrated Energy Policy Report. The proposed project would also comply with the RPS, the Building Energy Efficiency Standards, and CALGreen. Additionally, as demonstrated above, the proposed project would not result in the inefficient, wasteful, and unnecessary consumption of energy. Potential impacts related to conflict with or obstruction of a State or local plan for renewable energy or energy efficiency would be less than significant, and no mitigation is required. Therefore, the proposed project would not lead to new or substantially more severe significant impacts associated with renewable energy or energy efficiency plans beyond those identified in The Ontario Plan 2050 FSEIR.

GREENHOUSE GAS IMPACTS

This section describes the potential GHG impacts associated with implementation the proposed project.

Generation of Greenhouse Gas Emissions

The Ontario Plan 2050 FSEIR determined that implementation of the CCAP, the City would achieve the EO S-03-05 GHG emissions reduction targets, resulting in an 80 percent decrease in GHG emissions in the City by 2050 from existing conditions, and would make substantial progress toward the State's carbon neutrality goals under EO B-55-18. Therefore, The Ontario Plan 2050 FSEIR determined that The Ontario Plan 2050, which includes the CCAP, would reduce GHG emissions impacts compared to the previous The Ontario Plan. As such, impacts were determined to be less than significant.

This section describes the proposed project's construction- and operational-related GHG emissions and contribution to global climate change. The SCAQMD has not addressed emission thresholds for construction in its *CEQA Air Quality Handbook*; however, the SCAQMD requires quantification and disclosure. Thus, an evaluation of the project's impacts related to the release of GHG emissions for both construction and operational phases of the project is described below.

Short-Term Greenhouse Gas Emissions

Similar to The Ontario Plan 2050, demolition and construction activities associated with the proposed project would produce combustion emissions from various sources. During construction, GHGs would be emitted through the operation of construction equipment and from worker and builder supply vendor vehicles, each of which typically use fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO_2, CH_4, and N_2O. Furthermore, CH_4 is emitted during the fueling of heavy equipment. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change.

As indicated above, the SCAQMD does not have an adopted threshold of significance for construction-related GHG emissions. However, lead agencies are required to quantify and disclose GHG emissions that would occur during construction. The SCAQMD then requires the construction

GHG emissions to be amortized over the life of the project, defined by the SCAQMD as 30 years[57], added to the operational emissions, and compared to the applicable interim GHG significance threshold tier.

Using CalEEMod, it is estimated that the project would generate approximately 814.7 MT CO_2e during construction of the project. When annualized over the 30-year life of the project, annual emissions would be 27.0 MT CO_2e. Table V lists the construction GHG emissions (details are provided in the CalEEMod output in Appendix A). Construction emissions would be temporary in nature and would only occur for the duration of the construction period.

Table V: Construction Greenhouse Gas Emissions

Construction Year	Annual Emissions (MT/yr)			
	CO_2	CH_4	N_2O	CO_2e
2023	307.5	0.1	<0.1	312.0
2024	495.7	0.1	<0.1	502.7
Total Construction GHG emissions				**814.7**
Amortized Construction Emissions				**27.2**

Source: Compiled by LSA (October 2022).
CH_4 = methane
CO_2 = carbon dioxide
CO_2e = carbon dioxide equivalent
MT/yr = metric tons per year
N_2O = nitrous oxide

Long-Term Greenhouse Gas Emissions

Similar to The Ontario Plan 2050, the proposed project would generate long-term GHG emissions from mobile sources (e.g., vehicle trips), area sources (e.g., maintenance activities and landscaping), indirect emissions from sources associated with energy consumption, waste sources (land filling and waste disposal), and water sources (water supply and conveyance, treatment, and distribution). Mobile-source GHG emissions would include project-generated vehicle trips to and from the project. Area-source emissions would be associated with activities such as landscaping and maintenance on the project site. Energy source emissions would be generated at off-site utility providers because of increased electricity demand generated by the project. Waste source emissions generated by the proposed project include energy generated by land filling and other methods of disposal related to transporting and managing project-generated waste. In addition, water source emissions associated with the proposed project are generated by water supply and conveyance, water treatment, water distribution, and wastewater treatment.

Following guidance from the SCAQMD, GHG emissions were estimated for the operational year of 2024 using CalEEMod. Table W shows the calculated GHG emissions for the proposed project.

[57] The SCAQMD has identified the average operational lifespan of buildings to be 30 years. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgattachmente.pdf (accessed October 2022).

Table W: Greenhouse Gas Emissions (Metric Tons per Year)

Emissions Source	Operational Emissions				
	CO_2	CH_4	N_2O	CO_2e	Percentage of Total
Existing Operational Emissions					
Area Sources	<0.1	<0.1	0.0	<0.1	<1
Energy Sources	54.2	<0.1	<0.1	54.5	30
Mobile Sources	22.4	<0.1	<0.1	22.8	13
Waste Sources	14.8	0.9	0.0	36.7	20
Water Sources	47.2	0.6	<0.1	66.2	37
Total Existing Emissions				**180.2**	100
Proposed Project Operational Emissions					
Area Sources	<0.1	<0.1	0.0	<0.1	<1
Energy Sources	264.0	<0.1	<0.1	265.4	13
Mobile Sources	1,401.8	0.1	0.2	1,448.6	71
Waste Sources	48.3	2.9	0.0	119.7	6
Water Sources	148.2	1.8	<0.1	206.4	10
Total Project Operational Emissions				**2,040.1**	**100**
Amortized Construction Emissions				27.2	-
Total Annual Emissions				**2,067.3**	**-**
Net Operational Emissions				**1,887.1**	
SCAQMD Threshold				3,000	-
Exceed?				**No**	**-**

Source: Compiled by LSA (October 2022).
CH_4 = methane
CO_2 = carbon dioxide
CO_2e = carbon dioxide equivalent
MT/yr = metric tons per year
N_2O = nitrous oxide
SCAQMD = South Coast Air Quality Management District

As discussed above, a project would have less than significant GHG emissions if it would result in operational-related GHG emissions of less than 3,000 MT CO_2e per year. Based on the analysis results, the proposed project would result in approximately 1,887.1 MT CO_2e per year. Therefore, operation of the proposed project would not generate significant GHG emissions that would have a significant effect on the environment. The proposed project would not lead to new or more severe operational GHG impacts beyond those identified in The Ontario Plan 2050.

Consistency with Greenhouse Gas Emissions Reduction Plans

The Ontario Plan 2050 FSEIR determined that The Ontario Plan 2050 would be consistent with the 2017 Scoping Plan and the 2020–2045 RTP/SCS. Impacts were found to be less than significant.

An evaluation of the proposed project's consistency with the City of Ontario CCAP, the County's Greenhouse Gas Reduction Plan, the 2017 Scoping Plan, and the 2020–2045 RTP/SCS is provided below.

Ontario 2022 Community Climate Action Plan

The City has recently adopted the 2022 CCAP[58]. The 2022 CCAP is Ontario's strategic plan to reduce GHG emissions and foster a sustainable community through 2050 and beyond. The 2022 CCAP is an update to the 2014 CCAP, providing updated analyses and background information, an expanded set of GHG reduction strategies, and a planning horizon out to 2050. The 2022 CCAP provides strategies in various sectors to meet or exceed the State targets of reducing emissions 40 percent below 1990 levels by 2030 and 80 percent below 1990 levels by 2050. The 2022 CCAP which includes GHG emissions CEQA thresholds and screening tables which will be used for future projects to determine their consistency with the CCAP. However, GHG CEQA thresholds and screening tables are not available yet, thus the proposed project was analyzed based on the SCAQMD thresholds and for consistency with the CCAP GHG reduction strategies that are applicable to the proposed project. The proposed project would implement energy and water conservation measures consistent with the CALGreen Code and the 2022 CCAP. In addition, the proposed project would include approximately 62,100 sq ft of ornamental landscape area, consistent with the goal of the CCAP to include new trees in parking lot areas. Future tenants of the buildings would be able to implement mass transit measures such as ridership programs and public transit passes to comply with the goals of the CCAP. Therefore, the proposed project would not lead to new or more severe impacts beyond those identified in The Ontario Plan 2050 FSEIR.

San Bernardino County Regional Greenhouse Gas Reduction Plan

As discussed above, the City of Ontario was a participant in the San Bernardino County Regional Greenhouse Gas Reduction Plan, which identifies the County's vision and goals in reducing GHG emissions in its different cities, local government facilities, and communities. Table X below presents the proposed project's compliance with each reduction measure evaluated for the City of Ontario, as identified in the San Bernardino County Regional Greenhouse Gas Reduction Plan. Therefore, the proposed project would not lead to new or more severe impacts beyond those identified in The Ontario Plan 2050 FSEIR.

2017 Scoping Plan

AB 32 is aimed at reducing GHG emissions to 1990 levels by 2020. AB 32 requires the CARB to prepare a Scoping Plan that outlines the main State strategies for meeting the 2020 deadline and to reduce GHGs that contribute to global climate change. The AB 32 Scoping Plan has a range of GHG reduction actions, which includes direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, market-based mechanisms such as a cap-and-trade system, and an AB 32 implementation fee to fund the program.

[58] Ontario, City of. 2022. *Ontario Community Climate Action Plan 2022.* August 16. Website: Ontario-CCAP_Adopted_20220816.pdf (accessed October 2022).

Table X: Project Consistency with City of Ontario GHG Reduction Measures

Measure	Description	Project Consistency
Building Energy		
Energy-1. Building Energy	• **Environmental Resources 3-1:** We require conservation as the first strategy to be employed to meet applicable energy-saving standards. • **Environmental Resources 3-3:** We require new construction to incorporate energy efficient building and site design strategies, which could include appropriate solar orientation, maximum use of natural daylight, passive solar and natural ventilation. • **Environmental Resources 3-4:** We require all new and substantially renovated City buildings in excess of 10,000 square feet achieve a LEED Silver Certification standard, as determined by the U.S. Green Building Council.	***Consistent.*** The proposed project would comply with the CALGreen Code regarding energy conservation and green building standards.
Energy-4. Solar Installation for New Housing	• **Environmental Resources 3-3:** We require new construction to incorporate energy efficient building and site design strategies, which could include appropriate solar orientation, maximum use of natural daylight, passive solar and natural ventilation. • **Environmental Resources 3-6:** We promote the use of renewable energy sources to serve public and private sector development.	***Not Applicable.*** This measure is not applicable as the proposed project would not construct a residential building.
Energy-5. Renewable Energy - New Commercial/Industrial	• **Environmental Resources 3-3:** We require new construction to incorporate energy efficient building and site design strategies, which could include appropriate solar orientation, maximum use of natural daylight, passive solar and natural ventilation. • **Environmental Resources 3-6:** We promote the use of renewable energy sources to serve public and private sector development.	***Consistent.*** The proposed project would comply with the CALGreen Code regarding energy conservation and green building standards.
Energy-6. Solar Energy for Warehouse Space	• **Environmental Resources 3-6**: We promote the use of renewable energy sources to serve public and private sector development.	***Consistent.*** The proposed project would comply with the CALGreen Code regarding energy conservation and green building standards.
Energy-7. Solar Installation - Existing Housing	• **Environmental Resources 3-6:** We promote the use of renewable energy sources to serve public and private sector development.	***Not Applicable.*** This measure is not applicable as the proposed project would not retrofit an existing residential building.
Energy-8. Renewable Energy - Existing Commercial/Industrial	• **Environmental Resources 3-6:** We promote the use of renewable energy sources to serve public and private sector development.	***Not Applicable.*** This measure is not applicable as the proposed project would not retrofit an existing building.
Energy-10. Urban Tree Planting for Shading and Energy Savings	• **Environmental Resources 4-8:** We protect healthy trees within the City and plant new trees to increase carbon sequestration and help the regional/local air quality.	***Consistent.*** The proposed project would include landscaping.

Table X: Project Consistency with City of Ontario GHG Reduction Measures

Measure	Description	Project Consistency
OnRoad		
OnRoad	• **Mobility 3-3:** We require walkways that promote safe and convenient travel between residential areas, businesses, schools, parks, recreation areas, and other key destination points. • **Environmental Resources 3-2:** We require the use of best practices identified in green community rating systems to guide the planning and development of all new communities. • **Environmental Resources 4-1:** We reduce GHG and other local pollutant emissions through compact, mixed use, and transit-oriented development and development that improves the regional jobs-housing balance.	***Not Applicable.*** The proposed project would include two speculative warehouse buildings. Future tenants of the buildings would implement mass transit encouragement measures as applicable.
OnRoad-2. Encourage Use of Mass Transit	• **Mobility 3-4:** We work with regional transit agencies to implement BRT service to target destinations and along corridors, as shown in the Transit Plan. • **Mobility 3-1:** We maintain a proactive working partnership with transit providers to ensure that adequate public transit service is available. • **Mobility 3-2:** We require new development to provide transit facilities, such as bus shelters, transit bays and turnouts, as necessary. • **Mobility 3-5**: We support extension of the Metro Rail Gold Line to Ontario. • **Mobility 3-6:** We advocate expansion of Metrolink service to include the Downtown and the multimodal transit center. • **Mobility 3-8:** We work with regional transit agencies to secure convenient feeder service from the Metrolink station and the proposed multimodal transit center to employment centers in Ontario. • **Mobility 3-11**: We require the future development of community-wide serving facilities to be sited in transit-ready areas that can be served and made accessible by public transit. • **Land Use 1-2**: We integrate state, regional and local Sustainable Community/Smart Growth principles into the development and entitlement process.	***Not Applicable.*** The proposed project would construct two warehouse buildings and would not include transit fleet vehicles.
OnRoad-3. Transportation Demand Management and Signal Synchronization	• **Policy LU-3.3**: Locate regionally serving land uses with immediate access to the regional transportation network that is designed to provide maximum access capabilities and permit maximum dispersal of traffic.	***Not Applicable.*** The proposed project would generate a total of 554 average daily trips, including 63 AM peak hour trips and 65 PM peak hour trips. Based on the minimal peak hour trips generated by the proposed project, the project would not be required to implement transportation

Table X: Project Consistency with City of Ontario GHG Reduction Measures

Measure	Description	Project Consistency
		demand management strategies or signal synchronization.
OnRoad-4. Expand Bike Routes	• **Land Use 1-4:** We require development and urban design, where appropriate, that reduces reliance on the automobile and capitalizes on multi-modal transportation opportunities. • **Mobility 3-1:** We maintain our Multipurpose Trails & Bikeway Corridor Plan to create a comprehensive system of on- and off-street bikeways that connect residential areas, businesses, schools, parks, and other key destination points. • **Mobility 3-2:** We provide off-street multipurpose trails and Class II bikeways as our primary paths of travel and use the Class III for connectivity in constrained circumstances. • **Mobility 3-4:** We explore opportunities to expand the pedestrian and bicycle networks.	***Not Applicable.*** The proposed project would include two speculative warehouse buildings. Future tenants of the buildings would implement mass transit encouragement measures as applicable.
Solid Waste Management		
Waste-2. Waste Diversion	• **Environmental Resources 3-1:** We shall meet or exceed AB 939 requirements.	***Consistent.*** The proposed project would be consistent with County Solid Waste and State requirements for waste reduction.
Water Conveyance		
Water Conveyance-1.	• **Environmental Resources 1-3**: We require conservation strategies that reduce water usage.	***Consistent.*** The proposed project would comply with the CALGreen Code regarding water conservation and green building standards.

Source: Compiled by LSA (October 2022).
CALGreen Code = California Green Building Standards Code
LEED = Leadership in Energy and Environmental Design

EO B-30-15 added the immediate target of reducing GHG emissions to 40 percent below 1990 levels by 2030. CARB released a second update to the Scoping Plan, the 2017 Scoping Plan, to reflect the 2030 target set by EO B-30-15 and codified by SB 32. SB 32 affirms the importance of addressing climate change by codifying into statute the GHG emissions reductions target of at least 40 percent below 1990 levels by 2030 contained in EO B-30-15. SB 32 builds on AB 32 and keeps the State on the path toward achieving the 2050 objective of reducing emissions to 80 percent below 1990 levels. The companion bill to SB 32, AB 197, provides additional direction to the CARB related to the adoption of strategies to reduce GHG emissions. Additional direction in AB 197 intended to provide easier public access to air emissions data that are collected by CARB was posted in December 2016.

As identified above, the AB 32 Scoping Plan contains GHG reduction measures that work towards reducing GHG emissions, consistent with the targets set by AB 32 and EO B-30-15 and codified by SB 32 and AB 197. The measures applicable to the proposed project include energy efficiency

measures, water conservation and efficiency measures, and transportation and motor vehicle measures, as discussed below.

Energy efficient measures are intended to maximize energy efficiency building and appliance standards, pursue additional efficiency efforts including new technologies and new policy and implementation mechanisms, and pursue comparable investment in energy efficiency from all retail providers of electricity in California. In addition, these measures are designed to expand the use of green building practices to reduce the carbon footprint of California's new and existing inventory of buildings. The proposed project would be required to comply with the latest Title 24 standards of the CCR, established by the CEC, regarding energy conservation and green building standards. Therefore, the proposed project would comply with applicable energy measures.

Water conservation and efficiency measures are intended to continue efficiency programs and use cleaner energy sources to move and treat water. Increasing the efficiency of water transport and reducing water use would reduce GHG emissions. As noted above, the proposed project would be required to comply with the latest Title 24 standards of the CCR, which includes a variety of different measures, including reduction of wastewater and water use. Therefore, the proposed project would not conflict with any of the water conservation and efficiency measures.

The goal of transportation and motor vehicle measures is to develop regional GHG emissions reduction targets for passenger vehicles. The second phase of Pavley standards will reduce GHG emissions from new cars by 34 percent from 2016 levels by 2025, resulting in a 3 percent decrease in average vehicle emissions for all vehicles by 2020. Vehicles traveling to the project site would comply with the Pavley II (LEV III) Advanced Clean Cars Program. Therefore, the proposed project would not conflict with the identified transportation and motor vehicle measures.

As such, the proposed project would comply with existing State regulations adopted to achieve the overall GHG emissions reduction goals identified in AB 32 and would be consistent with applicable plans and programs designed to reduce GHG emissions. Therefore, the proposed project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. Therefore, the proposed project would not lead to new or more severe impacts beyond those identified in The Ontario Plan 2050 FSEIR.

2020-2045 RTP/SCS

SCAG's RTP/SCS identifies that land use strategies that focus on new housing and job growth in areas served by high quality transit and other opportunity areas would be consistent with a land use development pattern that supports and complements the proposed transportation network. The core vision in the 2020–2045 RTP/SCS is to better manage the existing transportation system through design management strategies, integrate land use decisions and technological advancements, create complete streets that are safe to all roadway users, preserve the transportation system, and expand transit and foster development in transit oriented communities. The 2020–2045 RTP/SCS contains transportation projects to help more efficiently distribute population, housing, and employment growth, as well as forecast development that is generally consistent with regional-level general plan data. The forecasted development pattern, when integrated with the financially constrained transportation investments identified in the 2020–2045 RTP/SCS, would reach the regional target of reducing GHG emissions from autos and light-duty

trucks by 19 percent by 2035 (compared to 2005 levels). The 2020–2045 RTP/SCS does not require that local general plans, specific plans, or zoning be consistent with the 2020–2045 RTP/SCS, but provides incentives for consistency for governments and developers.

Implementing SCAG's RTP/SCS will greatly reduce the regional GHG emissions from transportation, helping to achieve statewide emissions reduction targets. As stated above, the proposed project would result in fewer daily trips than under existing conditions and would in no way conflict with the stated goals of the RTP/SCS; therefore, the proposed project would not interfere with SCAG's ability to achieve the region's GHG reduction target of 19 percent below 2005 per capita emissions levels by 2035. Furthermore, the proposed project is not regionally significant per *State CEQA Guidelines* Section 15206 and as such, it would not conflict with the SCAG RTP/SCS targets since those targets were established and are applicable on a regional level.

Based on the nature of the proposed project, it is anticipated that implementation of the proposed project would not interfere with SCAG's ability to implement the regional strategies outlined in the RTP/SCS. Therefore, the proposed project would not lead to new or more severe impacts beyond those identified in The Ontario Plan 2050 FSEIR.

CONCLUSIONS

Based on the analysis presented above, the proposed project would not conflict with or obstruct implementation of SCAQMD air quality plans. In addition, construction and operation of the proposed project would not result in the generation of criteria air pollutants that would exceed SCAQMD thresholds of significance. Furthermore, the proposed project would be required to implement The Ontario Plan 2050 Mitigation Measures 3-1, 3-2, and AQ-1, which would further reduce construction and operational emissions. With implementation of Project-Specific Condition of Approval AIR-1, the proposed project is not expected to produce significant emissions that would affect nearby sensitive receptors. In addition, the proposed project would not result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation and would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. The project would also not result in objectionable odors affecting a substantial number of people. With regard to GHGs, the project would not result in substantial emissions during construction or operation. Additionally, the proposed project would not conflict with the objectives embodied in AB 32, EO B-30-15, SB 32, or AB 197. Therefore, the proposed project's incremental contribution to cumulative GHG emissions would not be cumulatively considerable. Therefore, the proposed project would not lead to new or substantially more severe significant air quality, energy, or GHG impacts beyond those identified in The Ontario Plan 2050 FSEIR.

APPENDIX A

CALEEMOD OUTPUT SHEETS

627 Bon View Warehouse Project - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

627 Bon View Warehouse Project

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	192.37	1000sqft	5.50	192,370.00	0
General Light Industry	46.09	1000sqft	1.75	46,090.00	0
Parking Lot	146.00	Space	1.37	58,400.00	0
City Park	1.43	Acre	1.43	62,290.80	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - total prject site is 10.05 acres

Construction Phase - Construction would start in Q3 of 2023 and would last 15 months. Overlap of building construction and architectural coating phases.

Off-road Equipment - default equipment

Grading - Balanced site

Demolition - Demolition of 6 on site buildings totaling 77,696 sf

Vehicle Trips - Based on a trip generation of 224 ADT for general light industry and 329 ADT for unrefrigetared warehouse

Fleet Mix - Based on 224 ADT, 13 medium trucks, and 39 heavy trucks for general light industry and 329 ADT, 16 medium trucks, and 80 heavy truck for unrefrigerated warehouse

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Energy Use -

Construction Off-road Equipment Mitigation - Use of Tier 2 construction equipment, water exposed area twice, and reduced vehicle speed to 15 mph

Area Mitigation - No hearth

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

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tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	145.00
tblConstructionPhase	NumDays	300.00	290.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	30.00	15.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	1/10/2025	10/18/2024
tblConstructionPhase	PhaseEndDate	11/15/2024	9/27/2024
tblConstructionPhase	PhaseEndDate	7/28/2023	7/14/2023
tblConstructionPhase	PhaseEndDate	9/22/2023	8/18/2023
tblConstructionPhase	PhaseEndDate	12/13/2024	10/11/2024
tblConstructionPhase	PhaseEndDate	8/11/2023	7/28/2023
tblConstructionPhase	PhaseStartDate	12/14/2024	4/1/2024
tblConstructionPhase	PhaseStartDate	9/23/2023	8/21/2023
tblConstructionPhase	PhaseStartDate	8/12/2023	7/31/2023
tblConstructionPhase	PhaseStartDate	11/16/2024	9/30/2024
tblConstructionPhase	PhaseStartDate	7/29/2023	7/17/2023
tblFleetMix	HHD	0.02	0.24
tblFleetMix	HHD	0.02	0.17
tblFleetMix	LDA	0.54	0.28
tblFleetMix	LDA	0.54	0.35
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.05
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	OBUS	5.5400e-004	0.00

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tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblLandUse	LotAcreage	4.42	5.50
tblLandUse	LotAcreage	1.06	1.75
tblLandUse	LotAcreage	1.31	1.37
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.74	1.71
tblVehicleTrips	ST_TR	1.99	4.87
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.74	1.71
tblVehicleTrips	SU_TR	5.00	4.87
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	1.74	1.71
tblVehicleTrips	WD_TR	4.96	4.87

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1539	1.3306	1.4629	3.4200e-003	0.3084	0.0566	0.3650	0.1115	0.0529	0.1643	0.0000	307.5009	307.5009	0.0530	0.0105	311.9577
2024	1.3380	1.7001	2.3799	5.4900e-003	0.2224	0.0690	0.2913	0.0599	0.0651	0.1250	0.0000	495.7041	495.7041	0.0637	0.0183	502.7396
Maximum	**1.3380**	**1.7001**	**2.3799**	**5.4900e-003**	**0.3084**	**0.0690**	**0.3650**	**0.1115**	**0.0651**	**0.1643**	**0.0000**	**495.7041**	**495.7041**	**0.0637**	**0.0183**	**502.7396**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1086	1.9713	1.6404	3.4200e-003	0.1953	0.0638	0.2591	0.0654	0.0637	0.1291	0.0000	307.5007	307.5007	0.0530	0.0105	311.9575
2024	1.2948	2.7982	2.5546	5.4900e-003	0.2224	0.1003	0.3227	0.0599	0.1001	0.1600	0.0000	495.7038	495.7038	0.0637	0.0183	502.7393
Maximum	**1.2948**	**2.7982**	**2.5546**	**5.4900e-003**	**0.2224**	**0.1003**	**0.3227**	**0.0654**	**0.1001**	**0.1600**	**0.0000**	**495.7038**	**495.7038**	**0.0637**	**0.0183**	**502.7393**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.93**	**-57.38**	**-9.17**	**0.00**	**21.30**	**-30.71**	**11.35**	**26.87**	**-38.85**	**0.08**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-3-2023**	**10-2-2023**	0.7992	1.0946
2	**10-3-2023**	**1-2-2024**	0.6285	0.9143
3	**1-3-2024**	**4-2-2024**	0.5985	0.9151
4	**4-3-2024**	**7-2-2024**	1.1331	1.4836
5	**7-3-2024**	**9-30-2024**	1.1053	1.4438
		Highest	1.1331	1.4836

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9778	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Energy	0.0101	0.0920	0.0773	5.5000e-004		6.9900e-003	6.9900e-003		6.9900e-003	6.9900e-003	0.0000	264.0093	264.0093	0.0158	3.5100e-003	265.4498
Mobile	0.3387	2.1669	3.7894	0.0146	0.9407	0.0196	0.9603	0.2542	0.0187	0.2729	0.0000	1,401.8346	1,401.8346	0.0645	0.1514	1,448.5557
Waste						0.0000	0.0000		0.0000	0.0000	48.3322	0.0000	48.3322	2.8564	0.0000	119.7409
Water						0.0000	0.0000		0.0000	0.0000	17.4946	130.6962	148.1908	1.8079	0.0438	206.4301
Total	**1.3266**	**2.2590**	**3.8716**	**0.0151**	**0.9407**	**0.0266**	**0.9673**	**0.2542**	**0.0257**	**0.2799**	**65.8268**	**1,796.5497**	**1,862.3764**	**4.7445**	**0.1986**	**2,040.1867**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9778	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Energy	0.0101	0.0920	0.0773	5.5000e-004		6.9900e-003	6.9900e-003		6.9900e-003	6.9900e-003	0.0000	264.0093	264.0093	0.0158	3.5100e-003	265.4498
Mobile	0.3387	2.1669	3.7894	0.0146	0.9407	0.0196	0.9603	0.2542	0.0187	0.2729	0.0000	1,401.8346	1,401.8346	0.0645	0.1514	1,448.5557
Waste						0.0000	0.0000		0.0000	0.0000	48.3322	0.0000	48.3322	2.8564	0.0000	119.7409
Water						0.0000	0.0000		0.0000	0.0000	17.4946	130.6962	148.1908	1.8079	0.0438	206.4301
Total	**1.3266**	**2.2590**	**3.8716**	**0.0151**	**0.9407**	**0.0266**	**0.9673**	**0.2542**	**0.0257**	**0.2799**	**65.8268**	**1,796.5497**	**1,862.3764**	**4.7445**	**0.1986**	**2,040.1867**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/3/2023	7/14/2023	5	10	
2	Site Preparation	Site Preparation	7/17/2023	7/28/2023	5	10	
3	Grading	Grading	7/31/2023	8/18/2023	5	15	

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4	Building Construction	Building Construction	8/21/2023	9/27/2024	5	290	
5	Paving	Paving	9/30/2024	10/11/2024	5	10	
6	Architectural Coating	Architectural Coating	4/1/2024	10/18/2024	5	145	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 45

Acres of Paving: 1.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 357,690; Non-Residential Outdoor: 119,230; Striped Parking Area: 3,504 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	353.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	151.00	59.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0382	0.0000	0.0382	5.7900e-003	0.0000	5.7900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1074	0.0982	1.9000e-004		4.9900e-003	4.9900e-003		4.6400e-003	4.6400e-003	0.0000	16.9960	16.9960	4.7600e-003	0.0000	17.1150
Total	**0.0114**	**0.1074**	**0.0982**	**1.9000e-004**	**0.0382**	**4.9900e-003**	**0.0432**	**5.7900e-003**	**4.6400e-003**	**0.0104**	**0.0000**	**16.9960**	**16.9960**	**4.7600e-003**	**0.0000**	**17.1150**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0205	5.9600e-003	1.0000e-004	3.0400e-003	2.0000e-004	3.2400e-003	8.3000e-004	2.0000e-004	1.0300e-003	0.0000	9.8082	9.8082	4.2000e-004	1.5500e-003	10.2819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.0000e-004	2.4400e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6423	0.6423	2.0000e-005	2.0000e-005	0.6479
Total	**6.7000e-004**	**0.0207**	**8.4000e-003**	**1.1000e-004**	**3.8600e-003**	**2.0000e-004**	**4.0700e-003**	**1.0500e-003**	**2.0000e-004**	**1.2500e-003**	**0.0000**	**10.4505**	**10.4505**	**4.4000e-004**	**1.5700e-003**	**10.9298**

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3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0172	0.0000	0.0172	2.6100e-003	0.0000	2.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3100e-003	0.1633	0.1234	1.9000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003	0.0000	16.9960	16.9960	4.7600e-003	0.0000	17.1150
Total	**6.3100e-003**	**0.1633**	**0.1234**	**1.9000e-004**	**0.0172**	**4.5700e-003**	**0.0218**	**2.6100e-003**	**4.5700e-003**	**7.1800e-003**	**0.0000**	**16.9960**	**16.9960**	**4.7600e-003**	**0.0000**	**17.1150**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0205	5.9600e-003	1.0000e-004	3.0400e-003	2.0000e-004	3.2400e-003	8.3000e-004	2.0000e-004	1.0300e-003	0.0000	9.8082	9.8082	4.2000e-004	1.5500e-003	10.2819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.0000e-004	2.4400e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6423	0.6423	2.0000e-005	2.0000e-005	0.6479
Total	**6.7000e-004**	**0.0207**	**8.4000e-003**	**1.1000e-004**	**3.8600e-003**	**2.0000e-004**	**4.0700e-003**	**1.0500e-003**	**2.0000e-004**	**1.2500e-003**	**0.0000**	**10.4505**	**10.4505**	**4.4000e-004**	**1.5700e-003**	**10.9298**

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3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606
Total	**0.0133**	**0.1376**	**0.0912**	**1.9000e-004**	**0.0983**	**6.3300e-003**	**0.1046**	**0.0505**	**5.8200e-003**	**0.0563**	**0.0000**	**16.7254**	**16.7254**	**5.4100e-003**	**0.0000**	**16.8606**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.3000e-004	2.9300e-003	1.0000e-005	9.9000e-004	0.0000	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7707	0.7707	2.0000e-005	2.0000e-005	0.7775
Total	**3.1000e-004**	**2.3000e-004**	**2.9300e-003**	**1.0000e-005**	**9.9000e-004**	**0.0000**	**9.9000e-004**	**2.6000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**0.7707**	**0.7707**	**2.0000e-005**	**2.0000e-005**	**0.7775**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0442	0.0000	0.0442	0.0227	0.0000	0.0227	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0500e-003	0.1686	0.1148	1.9000e-004		4.7300e-003	4.7300e-003		4.7300e-003	4.7300e-003	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606
Total	**6.0500e-003**	**0.1686**	**0.1148**	**1.9000e-004**	**0.0442**	**4.7300e-003**	**0.0490**	**0.0227**	**4.7300e-003**	**0.0275**	**0.0000**	**16.7253**	**16.7253**	**5.4100e-003**	**0.0000**	**16.8606**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.3000e-004	2.9300e-003	1.0000e-005	9.9000e-004	0.0000	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7707	0.7707	2.0000e-005	2.0000e-005	0.7775
Total	**3.1000e-004**	**2.3000e-004**	**2.9300e-003**	**1.0000e-005**	**9.9000e-004**	**0.0000**	**9.9000e-004**	**2.6000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**0.7707**	**0.7707**	**2.0000e-005**	**2.0000e-005**	**0.7775**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0690	0.0000	0.0690	0.0274	0.0000	0.0274	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.2589	0.2104	4.7000e-004		0.0107	0.0107		9.8300e-003	9.8300e-003	0.0000	40.9014	40.9014	0.0132	0.0000	41.2321
Total	**0.0249**	**0.2589**	**0.2104**	**4.7000e-004**	**0.0690**	**0.0107**	**0.0797**	**0.0274**	**9.8300e-003**	**0.0372**	**0.0000**	**40.9014**	**40.9014**	**0.0132**	**0.0000**	**41.2321**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8800e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2845	1.2845	3.0000e-005	3.0000e-005	1.2958
Total	**5.2000e-004**	**3.9000e-004**	**4.8800e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2845**	**1.2845**	**3.0000e-005**	**3.0000e-005**	**1.2958**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0311	0.0000	0.0311	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.3771	0.2618	4.7000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	40.9014	40.9014	0.0132	0.0000	41.2321
Total	**0.0152**	**0.3771**	**0.2618**	**4.7000e-004**	**0.0311**	**0.0102**	**0.0413**	**0.0123**	**0.0102**	**0.0225**	**0.0000**	**40.9014**	**40.9014**	**0.0132**	**0.0000**	**41.2321**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8800e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2845	1.2845	3.0000e-005	3.0000e-005	1.2958
Total	**5.2000e-004**	**3.9000e-004**	**4.8800e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2845**	**1.2845**	**3.0000e-005**	**3.0000e-005**	**1.2958**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0747	0.6833	0.7716	1.2800e-003		0.0332	0.0332		0.0313	0.0313	0.0000	110.1073	110.1073	0.0262	0.0000	110.7621
Total	**0.0747**	**0.6833**	**0.7716**	**1.2800e-003**		**0.0332**	**0.0332**		**0.0313**	**0.0313**	**0.0000**	**110.1073**	**110.1073**	**0.0262**	**0.0000**	**110.7621**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1600e-003	0.1034	0.0419	5.0000e-004	0.0177	7.4000e-004	0.0184	5.1000e-003	7.1000e-004	5.8100e-003	0.0000	48.8428	48.8428	1.2700e-003	7.2200e-003	51.0256
Worker	0.0250	0.0187	0.2334	6.6000e-004	0.0786	4.0000e-004	0.0790	0.0209	3.6000e-004	0.0213	0.0000	61.4223	61.4223	1.6100e-003	1.6700e-003	61.9593
Total	**0.0282**	**0.1221**	**0.2752**	**1.1600e-003**	**0.0963**	**1.1400e-003**	**0.0975**	**0.0260**	**1.0700e-003**	**0.0271**	**0.0000**	**110.2651**	**110.2651**	**2.8800e-003**	**8.8900e-003**	**112.9848**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0513	1.1188	0.8490	1.2800e-003		0.0429	0.0429		0.0429	0.0429	0.0000	110.1071	110.1071	0.0262	0.0000	110.7619
Total	**0.0513**	**1.1188**	**0.8490**	**1.2800e-003**		**0.0429**	**0.0429**		**0.0429**	**0.0429**	**0.0000**	**110.1071**	**110.1071**	**0.0262**	**0.0000**	**110.7619**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1600e-003	0.1034	0.0419	5.0000e-004	0.0177	7.4000e-004	0.0184	5.1000e-003	7.1000e-004	5.8100e-003	0.0000	48.8428	48.8428	1.2700e-003	7.2200e-003	51.0256
Worker	0.0250	0.0187	0.2334	6.6000e-004	0.0786	4.0000e-004	0.0790	0.0209	3.6000e-004	0.0213	0.0000	61.4223	61.4223	1.6100e-003	1.6700e-003	61.9593
Total	**0.0282**	**0.1221**	**0.2752**	**1.1600e-003**	**0.0963**	**1.1400e-003**	**0.0975**	**0.0260**	**1.0700e-003**	**0.0271**	**0.0000**	**110.2651**	**110.2651**	**2.8800e-003**	**8.8900e-003**	**112.9848**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1435	1.3108	1.5763	2.6300e-003		0.0598	0.0598		0.0563	0.0563	0.0000	226.0529	226.0529	0.0535	0.0000	227.3893
Total	**0.1435**	**1.3108**	**1.5763**	**2.6300e-003**		**0.0598**	**0.0598**		**0.0563**	**0.0563**	**0.0000**	**226.0529**	**226.0529**	**0.0535**	**0.0000**	**227.3893**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3400e-003	0.2141	0.0845	1.0200e-003	0.0363	1.5000e-003	0.0378	0.0105	1.4300e-003	0.0119	0.0000	98.8760	98.8760	2.5300e-003	0.0146	103.2928
Worker	0.0477	0.0340	0.4465	1.3200e-003	0.1614	7.8000e-004	0.1622	0.0429	7.2000e-004	0.0436	0.0000	123.3931	123.3931	3.0000e-003	3.1700e-003	124.4125
Total	**0.0541**	**0.2481**	**0.5310**	**2.3400e-003**	**0.1977**	**2.2800e-003**	**0.2000**	**0.0533**	**2.1500e-003**	**0.0555**	**0.0000**	**222.2691**	**222.2691**	**5.5300e-003**	**0.0178**	**227.7053**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1054	2.2966	1.7427	2.6300e-003		0.0881	0.0881		0.0881	0.0881	0.0000	226.0526	226.0526	0.0535	0.0000	227.3890
Total	**0.1054**	**2.2966**	**1.7427**	**2.6300e-003**		**0.0881**	**0.0881**		**0.0881**	**0.0881**	**0.0000**	**226.0526**	**226.0526**	**0.0535**	**0.0000**	**227.3890**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3400e-003	0.2141	0.0845	1.0200e-003	0.0363	1.5000e-003	0.0378	0.0105	1.4300e-003	0.0119	0.0000	98.8760	98.8760	2.5300e-003	0.0146	103.2928
Worker	0.0477	0.0340	0.4465	1.3200e-003	0.1614	7.8000e-004	0.1622	0.0429	7.2000e-004	0.0436	0.0000	123.3931	123.3931	3.0000e-003	3.1700e-003	124.4125
Total	**0.0541**	**0.2481**	**0.5310**	**2.3400e-003**	**0.1977**	**2.2800e-003**	**0.2000**	**0.0533**	**2.1500e-003**	**0.0555**	**0.0000**	**222.2691**	**222.2691**	**5.5300e-003**	**0.0178**	**227.7053**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9400e-003	0.0476	0.0731	1.1000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	10.0133	10.0133	3.2400e-003	0.0000	10.0942
Paving	1.7900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.7300e-003**	**0.0476**	**0.0731**	**1.1000e-004**		**2.3400e-003**	**2.3400e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**10.0133**	**10.0133**	**3.2400e-003**	**0.0000**	**10.0942**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.7000e-004	2.2700e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6286	0.6286	2.0000e-005	2.0000e-005	0.6338
Total	**2.4000e-004**	**1.7000e-004**	**2.2700e-003**	**1.0000e-005**	**8.2000e-004**	**0.0000**	**8.3000e-004**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.6286**	**0.6286**	**2.0000e-005**	**2.0000e-005**	**0.6338**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.6600e-003	0.0778	0.0798	1.1000e-004		2.9200e-003	2.9200e-003		2.8500e-003	2.8500e-003	0.0000	10.0133	10.0133	3.2400e-003	0.0000	10.0942
Paving	1.7900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.4500e-003**	**0.0778**	**0.0798**	**1.1000e-004**		**2.9200e-003**	**2.9200e-003**		**2.8500e-003**	**2.8500e-003**	**0.0000**	**10.0133**	**10.0133**	**3.2400e-003**	**0.0000**	**10.0942**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.7000e-004	2.2700e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6286	0.6286	2.0000e-005	2.0000e-005	0.6338
Total	**2.4000e-004**	**1.7000e-004**	**2.2700e-003**	**1.0000e-005**	**8.2000e-004**	**0.0000**	**8.3000e-004**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.6286**	**0.6286**	**2.0000e-005**	**2.0000e-005**	**0.6338**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1134					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0131	0.0884	0.1312	2.2000e-004		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003	0.0000	18.5111	18.5111	1.0400e-003	0.0000	18.5372
Total	**1.1265**	**0.0884**	**0.1312**	**2.2000e-004**		**4.4200e-003**	**4.4200e-003**		**4.4200e-003**	**4.4200e-003**	**0.0000**	**18.5111**	**18.5111**	**1.0400e-003**	**0.0000**	**18.5372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0500e-003	5.0200e-003	0.0660	1.9000e-004	0.0239	1.2000e-004	0.0240	6.3300e-003	1.1000e-004	6.4400e-003	0.0000	18.2292	18.2292	4.4000e-004	4.7000e-004	18.3798
Total	**7.0500e-003**	**5.0200e-003**	**0.0660**	**1.9000e-004**	**0.0239**	**1.2000e-004**	**0.0240**	**6.3300e-003**	**1.1000e-004**	**6.4400e-003**	**0.0000**	**18.2292**	**18.2292**	**4.4000e-004**	**4.7000e-004**	**18.3798**

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3.7 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1134					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2600e-003	0.1706	0.1329	2.2000e-004		6.8900e-003	6.8900e-003		6.8900e-003	6.8900e-003	0.0000	18.5111	18.5111	1.0400e-003	0.0000	18.5371
Total	**1.1216**	**0.1706**	**0.1329**	**2.2000e-004**		**6.8900e-003**	**6.8900e-003**		**6.8900e-003**	**6.8900e-003**	**0.0000**	**18.5111**	**18.5111**	**1.0400e-003**	**0.0000**	**18.5371**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0500e-003	5.0200e-003	0.0660	1.9000e-004	0.0239	1.2000e-004	0.0240	6.3300e-003	1.1000e-004	6.4400e-003	0.0000	18.2292	18.2292	4.4000e-004	4.7000e-004	18.3798
Total	**7.0500e-003**	**5.0200e-003**	**0.0660**	**1.9000e-004**	**0.0239**	**1.2000e-004**	**0.0240**	**6.3300e-003**	**1.1000e-004**	**6.4400e-003**	**0.0000**	**18.2292**	**18.2292**	**4.4000e-004**	**4.7000e-004**	**18.3798**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3387	2.1669	3.7894	0.0146	0.9407	0.0196	0.9603	0.2542	0.0187	0.2729	0.0000	1,401.8346	1,401.8346	0.0645	0.1514	1,448.5557
Unmitigated	0.3387	2.1669	3.7894	0.0146	0.9407	0.0196	0.9603	0.2542	0.0187	0.2729	0.0000	1,401.8346	1,401.8346	0.0645	0.1514	1,448.5557

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	328.95	328.95	328.95	1,409,798	1,409,798
General Light Industry	224.46	224.46	224.46	993,964	993,964
Total	553.41	553.41	553.41	2,403,762	2,403,762

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

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	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Unrefrigerated Warehouse-No Rail	0.284283	0.056059	0.172680	0.136494	0.026304	0.007104	0.049000	0.243000	0.000000	0.000000	0.025076	0.000000	0.000000
General Light Industry	0.347283	0.056059	0.172680	0.136494	0.026304	0.007104	0.057000	0.172000	0.000000	0.000000	0.025076	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	163.8586	163.8586	0.0138	1.6800e-003	164.7040
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	163.8586	163.8586	0.0138	1.6800e-003	164.7040
NaturalGas Mitigated	0.0101	0.0920	0.0773	5.5000e-004		6.9900e-003	6.9900e-003		6.9900e-003	6.9900e-003	0.0000	100.1507	100.1507	1.9200e-003	1.8400e-003	100.7459
NaturalGas Unmitigated	0.0101	0.0920	0.0773	5.5000e-004		6.9900e-003	6.9900e-003		6.9900e-003	6.9900e-003	0.0000	100.1507	100.1507	1.9200e-003	1.8400e-003	100.7459

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	1.49009e+006	8.0300e-003	0.0730	0.0614	4.4000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003	0.0000	79.5169	79.5169	1.5200e-003	1.4600e-003	79.9894
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	386664	2.0800e-003	0.0190	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	20.6339	20.6339	4.0000e-004	3.8000e-004	20.7565
Total		**0.0101**	**0.0920**	**0.0773**	**5.5000e-004**		**6.9900e-003**	**6.9900e-003**		**6.9900e-003**	**6.9900e-003**	**0.0000**	**100.1507**	**100.1507**	**1.9200e-003**	**1.8400e-003**	**100.7459**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	1.49009e+006	8.0300e-003	0.0730	0.0614	4.4000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003	0.0000	79.5169	79.5169	1.5200e-003	1.4600e-003	79.9894
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	386664	2.0800e-003	0.0190	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	20.6339	20.6339	4.0000e-004	3.8000e-004	20.7565
Total		**0.0101**	**0.0920**	**0.0773**	**5.5000e-004**		**6.9900e-003**	**6.9900e-003**		**6.9900e-003**	**6.9900e-003**	**0.0000**	**100.1507**	**100.1507**	**1.9200e-003**	**1.8400e-003**	**100.7459**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	457213	81.0847	6.8400e-003	8.3000e-004	81.5030
Parking Lot	20440	3.6249	3.1000e-004	4.0000e-005	3.6436
Unrefrigerated Warehouse-No Rail	446298	79.1490	6.6800e-003	8.1000e-004	79.5574
Total		**163.8586**	**0.0138**	**1.6800e-003**	**164.7040**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	457213	81.0847	6.8400e-003	8.3000e-004	81.5030
Parking Lot	20440	3.6249	3.1000e-004	4.0000e-005	3.6436
Unrefrigerated Warehouse-No Rail	446298	79.1490	6.6800e-003	8.1000e-004	79.5574
Total		**163.8586**	**0.0138**	**1.6800e-003**	**164.7040**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9778	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Unmitigated	0.9778	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1113					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8660					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.5000e-004	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Total	**0.9778**	**4.0000e-005**	**4.9200e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**9.5800e-003**	**9.5800e-003**	**3.0000e-005**	**0.0000**	**0.0102**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1113					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8660					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.5000e-004	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Total	**0.9778**	**4.0000e-005**	**4.9200e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**9.5800e-003**	**9.5800e-003**	**3.0000e-005**	**0.0000**	**0.0102**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	148.1908	1.8079	0.0438	206.4301
Unmitigated	148.1908	1.8079	0.0438	206.4301

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.70382	3.3571	2.8000e-004	3.0000e-005	3.3744
General Light Industry	10.6583 / 0	27.9937	0.3494	8.4500e-003	39.2470
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	44.4856 / 0	116.8400	1.4582	0.0353	163.8088
Total		**148.1908**	**1.8079**	**0.0438**	**206.4301**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.70382	3.3571	2.8000e-004	3.0000e-005	3.3744
General Light Industry	10.6583 / 0	27.9937	0.3494	8.4500e-003	39.2470
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	44.4856 / 0	116.8400	1.4582	0.0353	163.8088
Total		**148.1908**	**1.8079**	**0.0438**	**206.4301**

8.0 Waste Detail

8.1 Mitigation Measures Waste

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	48.3322	2.8564	0.0000	119.7409
Unmitigated	48.3322	2.8564	0.0000	119.7409

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.12	0.0244	1.4400e-003	0.0000	0.0604
General Light Industry	57.15	11.6009	0.6856	0.0000	28.7408
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	180.83	36.7069	2.1693	0.0000	90.9397
Total		**48.3322**	**2.8564**	**0.0000**	**119.7409**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.12	0.0244	1.4400e-003	0.0000	0.0604
General Light Industry	57.15	11.6009	0.6856	0.0000	28.7408
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	180.83	36.7069	2.1693	0.0000	90.9397
Total		**48.3322**	**2.8564**	**0.0000**	**119.7409**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

627 Bon View Warehouse Project

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	192.37	1000sqft	5.50	192,370.00	0
General Light Industry	46.09	1000sqft	1.75	46,090.00	0
Parking Lot	146.00	Space	1.37	58,400.00	0
City Park	1.43	Acre	1.43	62,290.80	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - total prject site is 10.05 acres

Construction Phase - Construction would start in Q3 of 2023 and would last 15 months. Overlap of building construction and architectural coating phases.

Off-road Equipment - default equipment

Grading - Balanced site

Demolition - Demolition of 6 on site buildings totaling 77,696 sf

Vehicle Trips - Based on a trip generation of 224 ADT for general light industry and 329 ADT for unrefrigetared warehouse

Fleet Mix - Based on 224 ADT, 13 medium trucks, and 39 heavy trucks for general light industry and 329 ADT, 16 medium trucks, and 80 heavy truck for unrefrigerated warehouse

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Energy Use -

Construction Off-road Equipment Mitigation - Use of Tier 2 construction equipment, water exposed area twice, and reduced vehicle speed to 15 mph

Area Mitigation - No hearth

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	145.00
tblConstructionPhase	NumDays	300.00	290.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	30.00	15.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	1/10/2025	10/18/2024
tblConstructionPhase	PhaseEndDate	11/15/2024	9/27/2024
tblConstructionPhase	PhaseEndDate	7/28/2023	7/14/2023
tblConstructionPhase	PhaseEndDate	9/22/2023	8/18/2023
tblConstructionPhase	PhaseEndDate	12/13/2024	10/11/2024
tblConstructionPhase	PhaseEndDate	8/11/2023	7/28/2023
tblConstructionPhase	PhaseStartDate	12/14/2024	4/1/2024
tblConstructionPhase	PhaseStartDate	9/23/2023	8/21/2023
tblConstructionPhase	PhaseStartDate	8/12/2023	7/31/2023
tblConstructionPhase	PhaseStartDate	11/16/2024	9/30/2024
tblConstructionPhase	PhaseStartDate	7/29/2023	7/17/2023
tblFleetMix	HHD	0.02	0.24
tblFleetMix	HHD	0.02	0.17
tblFleetMix	LDA	0.54	0.28
tblFleetMix	LDA	0.54	0.35
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.05
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	OBUS	5.5400e-004	0.00

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblLandUse	LotAcreage	4.42	5.50
tblLandUse	LotAcreage	1.06	1.75
tblLandUse	LotAcreage	1.31	1.37
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.74	1.71
tblVehicleTrips	ST_TR	1.99	4.87
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.74	1.71
tblVehicleTrips	SU_TR	5.00	4.87
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	1.74	1.71
tblVehicleTrips	WD_TR	4.96	4.87

2.0 Emissions Summary

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.3999	34.5628	28.8054	0.0641	19.8582	1.4256	21.1252	10.1558	1.3116	11.3215	0.0000	6,215.8114	6,215.8114	1.9491	0.3461	6,265.9712
2024	17.7343	17.1296	25.1872	0.0579	2.4011	0.6991	3.1003	0.6454	0.6613	1.3067	0.0000	5,763.4128	5,763.4128	0.7398	0.2052	5,841.7829
Maximum	**17.7343**	**34.5628**	**28.8054**	**0.0641**	**19.8582**	**1.4256**	**21.1252**	**10.1558**	**1.3116**	**11.3215**	**0.0000**	**6,215.8114**	**6,215.8114**	**1.9491**	**0.3461**	**6,265.9712**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.1100	50.3271	35.6537	0.0641	9.0469	1.3662	9.9940	4.5995	1.3540	5.5465	0.0000	6,215.8114	6,215.8114	1.9491	0.3461	6,265.9711
2024	17.2767	28.3738	26.9165	0.0579	2.4011	1.0236	3.4247	0.6454	1.0221	1.6675	0.0000	5,763.4128	5,763.4128	0.7398	0.2052	5,841.7829
Maximum	**17.2767**	**50.3271**	**35.6537**	**0.0641**	**9.0469**	**1.3662**	**9.9940**	**4.5995**	**1.3540**	**5.5465**	**0.0000**	**6,215.8114**	**6,215.8114**	**1.9491**	**0.3461**	**6,265.9711**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	8.27	-52.25	-15.89	0.00	48.57	-12.47	44.61	51.44	-20.44	42.87	0.00	0.00	0.00	0.00	0.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Area	5.3591	3.6000e-004	0.0393	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Energy	0.0555	0.5041	0.4234	3.0200e-003		0.0383	0.0383		0.0383	0.0383		604.9165	604.9165	0.0116	0.0111	608.5112
Mobile	2.0789	11.2197	22.1673	0.0822	5.2643	0.1079	5.3722	1.4201	0.1026	1.5227		8,725.2931	8,725.2931	0.3855	0.9094	9,005.9285
Total	**7.4934**	**11.7241**	**22.6301**	**0.0853**	**5.2643**	**0.1463**	**5.4106**	**1.4201**	**0.1411**	**1.5612**		**9,330.2940**	**9,330.2940**	**0.3973**	**0.9205**	**9,614.5297**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Area	5.3591	3.6000e-004	0.0393	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Energy	0.0555	0.5041	0.4234	3.0200e-003		0.0383	0.0383		0.0383	0.0383		604.9165	604.9165	0.0116	0.0111	608.5112
Mobile	2.0789	11.2197	22.1673	0.0822	5.2643	0.1079	5.3722	1.4201	0.1026	1.5227		8,725.2931	8,725.2931	0.3855	0.9094	9,005.9285
Total	**7.4934**	**11.7241**	**22.6301**	**0.0853**	**5.2643**	**0.1463**	**5.4106**	**1.4201**	**0.1411**	**1.5612**		**9,330.2940**	**9,330.2940**	**0.3973**	**0.9205**	**9,614.5297**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/3/2023	7/14/2023	5	10	
2	Site Preparation	Site Preparation	7/17/2023	7/28/2023	5	10	
3	Grading	Grading	7/31/2023	8/18/2023	5	15	
4	Building Construction	Building Construction	8/21/2023	9/27/2024	5	290	
5	Paving	Paving	9/30/2024	10/11/2024	5	10	
6	Architectural Coating	Architectural Coating	4/1/2024	10/18/2024	5	145	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 45

Acres of Paving: 1.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 357,690; Non-Residential Outdoor: 119,230; Striped Parking Area: 3,504 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	353.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	151.00	59.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6480	0.0000	7.6480	1.1580	0.0000	1.1580			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**7.6480**	**0.9975**	**8.6456**	**1.1580**	**0.9280**	**2.0860**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0851	3.8824	1.1825	0.0198	0.6182	0.0408	0.6590	0.1695	0.0391	0.2086		2,160.9666	2,160.9666	0.0922	0.3425	2,265.3441
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	**0.1437**	**3.9178**	**1.7482**	**0.0213**	**0.7858**	**0.0417**	**0.8275**	**0.2140**	**0.0398**	**0.2538**		**2,314.2169**	**2,314.2169**	**0.0959**	**0.3461**	**2,419.7598**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4416	0.0000	3.4416	0.5211	0.0000	0.5211			0.0000			0.0000
Off-Road	1.2617	32.6638	24.6739	0.0388		0.9135	0.9135		0.9135	0.9135	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**1.2617**	**32.6638**	**24.6739**	**0.0388**	**3.4416**	**0.9135**	**4.3552**	**0.5211**	**0.9135**	**1.4346**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0851	3.8824	1.1825	0.0198	0.6182	0.0408	0.6590	0.1695	0.0391	0.2086		2,160.9666	2,160.9666	0.0922	0.3425	2,265.3441
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	**0.1437**	**3.9178**	**1.7482**	**0.0213**	**0.7858**	**0.0417**	**0.8275**	**0.2140**	**0.0398**	**0.2538**		**2,314.2169**	**2,314.2169**	**0.0959**	**0.3461**	**2,419.7598**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**19.6570**	**1.2660**	**20.9230**	**10.1025**	**1.1647**	**11.2672**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988
Total	**0.0704**	**0.0425**	**0.6788**	**1.8000e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**183.9003**	**183.9003**	**4.3900e-003**	**4.3200e-003**	**185.2988**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**1.2097**	**33.7214**	**22.9600**	**0.0381**	**8.8457**	**0.9462**	**9.7918**	**4.5461**	**0.9462**	**5.4923**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988
Total	**0.0704**	**0.0425**	**0.6788**	**1.8000e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**183.9003**	**183.9003**	**4.3900e-003**	**4.3200e-003**	**185.2988**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**9.2036**	**1.4245**	**10.6281**	**3.6538**	**1.3105**	**4.9643**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0782	0.0472	0.7542	2.0000e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		204.3337	204.3337	4.8800e-003	4.8000e-003	205.8876
Total	**0.0782**	**0.0472**	**0.7542**	**2.0000e-003**	**0.2236**	**1.1000e-003**	**0.2247**	**0.0593**	**1.0200e-003**	**0.0603**		**204.3337**	**204.3337**	**4.8800e-003**	**4.8000e-003**	**205.8876**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	2.0318	50.2799	34.8994	0.0621		1.3651	1.3651		1.3530	1.3530	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**2.0318**	**50.2799**	**34.8994**	**0.0621**	**4.1416**	**1.3651**	**5.5067**	**1.6442**	**1.3530**	**2.9972**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0782	0.0472	0.7542	2.0000e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		204.3337	204.3337	4.8800e-003	4.8000e-003	205.8876
Total	**0.0782**	**0.0472**	**0.7542**	**2.0000e-003**	**0.2236**	**1.1000e-003**	**0.2247**	**0.0593**	**1.0200e-003**	**0.0603**		**204.3337**	**204.3337**	**4.8800e-003**	**4.8000e-003**	**205.8876**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0691	2.0695	0.8684	0.0106	0.3780	0.0156	0.3936	0.1089	0.0149	0.1237		1,132.3173	1,132.3173	0.0296	0.1672	1,182.8864
Worker	0.5904	0.3563	5.6944	0.0151	1.6878	8.3400e-003	1.6962	0.4476	7.6800e-003	0.4553		1,542.7195	1,542.7195	0.0369	0.0363	1,554.4513
Total	**0.6595**	**2.4257**	**6.5627**	**0.0256**	**2.0658**	**0.0239**	**2.0897**	**0.5565**	**0.0226**	**0.5790**		**2,675.0368**	**2,675.0368**	**0.0664**	**0.2035**	**2,737.3376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.0809**	**23.5544**	**17.8738**	**0.0269**		**0.9036**	**0.9036**		**0.9036**	**0.9036**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0691	2.0695	0.8684	0.0106	0.3780	0.0156	0.3936	0.1089	0.0149	0.1237		1,132.3173	1,132.3173	0.0296	0.1672	1,182.8864
Worker	0.5904	0.3563	5.6944	0.0151	1.6878	8.3400e-003	1.6962	0.4476	7.6800e-003	0.4553		1,542.7195	1,542.7195	0.0369	0.0363	1,554.4513
Total	**0.6595**	**2.4257**	**6.5627**	**0.0256**	**2.0658**	**0.0239**	**2.0897**	**0.5565**	**0.0226**	**0.5790**		**2,675.0368**	**2,675.0368**	**0.0664**	**0.2035**	**2,737.3376**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0675	2.0879	0.8539	0.0104	0.3780	0.0153	0.3933	0.1088	0.0147	0.1235		1,116.7188	1,116.7188	0.0287	0.1649	1,166.5726
Worker	0.5485	0.3163	5.3028	0.0146	1.6878	8.0100e-003	1.6958	0.4476	7.3700e-003	0.4550		1,509.6221	1,509.6221	0.0333	0.0336	1,520.4769
Total	**0.6160**	**2.4042**	**6.1568**	**0.0250**	**2.0658**	**0.0233**	**2.0892**	**0.5565**	**0.0220**	**0.5785**		**2,626.3409**	**2,626.3409**	**0.0620**	**0.1985**	**2,687.0495**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.0809**	**23.5544**	**17.8738**	**0.0270**		**0.9036**	**0.9036**		**0.9036**	**0.9036**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0675	2.0879	0.8539	0.0104	0.3780	0.0153	0.3933	0.1088	0.0147	0.1235		1,116.7188	1,116.7188	0.0287	0.1649	1,166.5726
Worker	0.5485	0.3163	5.3028	0.0146	1.6878	8.0100e-003	1.6958	0.4476	7.3700e-003	0.4550		1,509.6221	1,509.6221	0.0333	0.0336	1,520.4769
Total	**0.6160**	**2.4042**	**6.1568**	**0.0250**	**2.0658**	**0.0233**	**2.0892**	**0.5565**	**0.0220**	**0.5785**		**2,626.3409**	**2,626.3409**	**0.0620**	**0.1985**	**2,687.0495**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.3589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3471**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408
Total	**0.0545**	**0.0314**	**0.5268**	**1.4500e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**149.9625**	**149.9625**	**3.3100e-003**	**3.3400e-003**	**151.0408**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9323	15.5671	15.9556	0.0228		0.5831	0.5831		0.5701	0.5701	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.3589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2913**	**15.5671**	**15.9556**	**0.0228**		**0.5831**	**0.5831**		**0.5701**	**0.5701**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408
Total	**0.0545**	**0.0314**	**0.5268**	**1.4500e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**149.9625**	**149.9625**	**3.3100e-003**	**3.3400e-003**	**151.0408**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.3570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**15.5378**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1090	0.0628	1.0535	2.9100e-003	0.3353	1.5900e-003	0.3369	0.0889	1.4700e-003	0.0904		299.9249	299.9249	6.6200e-003	6.6800e-003	302.0815
Total	**0.1090**	**0.0628**	**1.0535**	**2.9100e-003**	**0.3353**	**1.5900e-003**	**0.3369**	**0.0889**	**1.4700e-003**	**0.0904**		**299.9249**	**299.9249**	**6.6200e-003**	**6.6800e-003**	**302.0815**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.3570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**15.4709**	**2.3524**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1090	0.0628	1.0535	2.9100e-003	0.3353	1.5900e-003	0.3369	0.0889	1.4700e-003	0.0904		299.9249	299.9249	6.6200e-003	6.6800e-003	302.0815
Total	**0.1090**	**0.0628**	**1.0535**	**2.9100e-003**	**0.3353**	**1.5900e-003**	**0.3369**	**0.0889**	**1.4700e-003**	**0.0904**		**299.9249**	**299.9249**	**6.6200e-003**	**6.6800e-003**	**302.0815**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0789	11.2197	22.1673	0.0822	5.2643	0.1079	5.3722	1.4201	0.1026	1.5227		8,725.2931	8,725.2931	0.3855	0.9094	9,005.9285
Unmitigated	2.0789	11.2197	22.1673	0.0822	5.2643	0.1079	5.3722	1.4201	0.1026	1.5227		8,725.2931	8,725.2931	0.3855	0.9094	9,005.9285

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	328.95	328.95	328.95	1,409,798	1,409,798
General Light Industry	224.46	224.46	224.46	993,964	993,964
Total	553.41	553.41	553.41	2,403,762	2,403,762

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Unrefrigerated Warehouse-No Rail	0.284283	0.056059	0.172680	0.136494	0.026304	0.007104	0.049000	0.243000	0.000000	0.000000	0.025076	0.000000	0.000000
General Light Industry	0.347283	0.056059	0.172680	0.136494	0.026304	0.007104	0.057000	0.172000	0.000000	0.000000	0.025076	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0555	0.5041	0.4234	3.0200e-003		0.0383	0.0383		0.0383	0.0383		604.9165	604.9165	0.0116	0.0111	608.5112
NaturalGas Unmitigated	0.0555	0.5041	0.4234	3.0200e-003		0.0383	0.0383		0.0383	0.0383		604.9165	604.9165	0.0116	0.0111	608.5112

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	4082.44	0.0440	0.4002	0.3362	2.4000e-003		0.0304	0.0304		0.0304	0.0304		480.2868	480.2868	9.2100e-003	8.8100e-003	483.1409
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1059.35	0.0114	0.1039	0.0872	6.2000e-004		7.8900e-003	7.8900e-003		7.8900e-003	7.8900e-003		124.6297	124.6297	2.3900e-003	2.2800e-003	125.3703
Total		**0.0555**	**0.5041**	**0.4234**	**3.0200e-003**		**0.0383**	**0.0383**		**0.0383**	**0.0383**		**604.9165**	**604.9165**	**0.0116**	**0.0111**	**608.5112**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	4.08244	0.0440	0.4002	0.3362	2.4000e-003		0.0304	0.0304		0.0304	0.0304		480.2868	480.2868	9.2100e-003	8.8100e-003	483.1409
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.05935	0.0114	0.1039	0.0872	6.2000e-004		7.8900e-003	7.8900e-003		7.8900e-003	7.8900e-003		124.6297	124.6297	2.3900e-003	2.2800e-003	125.3703
Total		**0.0555**	**0.5041**	**0.4234**	**3.0200e-003**		**0.0383**	**0.0383**		**0.0383**	**0.0383**		**604.9165**	**604.9165**	**0.0116**	**0.0111**	**608.5112**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

627 Bon View Warehouse Project - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.3591	3.6000e-004	0.0393	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Unmitigated	5.3591	3.6000e-004	0.0393	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6300e-003	3.6000e-004	0.0393	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Total	**5.3591**	**3.6000e-004**	**0.0393**	**0.0000**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**		**0.0845**	**0.0845**	**2.2000e-004**		**0.0900**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6300e-003	3.6000e-004	0.0393	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Total	**5.3591**	**3.6000e-004**	**0.0393**	**0.0000**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**		**0.0845**	**0.0845**	**2.2000e-004**		**0.0900**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

627 Bon View Warehouse Project

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	192.37	1000sqft	5.50	192,370.00	0
General Light Industry	46.09	1000sqft	1.75	46,090.00	0
Parking Lot	146.00	Space	1.37	58,400.00	0
City Park	1.43	Acre	1.43	62,290.80	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - total prject site is 10.05 acres

Construction Phase - Construction would start in Q3 of 2023 and would last 15 months. Overlap of building construction and architectural coating phases.

Off-road Equipment - default equipment

Grading - Balanced site

Demolition - Demolition of 6 on site buildings totaling 77,696 sf

Vehicle Trips - Based on a trip generation of 224 ADT for general light industry and 329 ADT for unrefrigetared warehouse

Fleet Mix - Based on 224 ADT, 13 medium trucks, and 39 heavy trucks for general light industry and 329 ADT, 16 medium trucks, and 80 heavy truck for unrefrigerated warehouse

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Energy Use -

Construction Off-road Equipment Mitigation - Use of Tier 2 construction equipment, water exposed area twice, and reduced vehicle speed to 15 mph

Area Mitigation - No hearth

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	145.00
tblConstructionPhase	NumDays	300.00	290.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	30.00	15.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	1/10/2025	10/18/2024
tblConstructionPhase	PhaseEndDate	11/15/2024	9/27/2024
tblConstructionPhase	PhaseEndDate	7/28/2023	7/14/2023
tblConstructionPhase	PhaseEndDate	9/22/2023	8/18/2023
tblConstructionPhase	PhaseEndDate	12/13/2024	10/11/2024
tblConstructionPhase	PhaseEndDate	8/11/2023	7/28/2023
tblConstructionPhase	PhaseStartDate	12/14/2024	4/1/2024
tblConstructionPhase	PhaseStartDate	9/23/2023	8/21/2023
tblConstructionPhase	PhaseStartDate	8/12/2023	7/31/2023
tblConstructionPhase	PhaseStartDate	11/16/2024	9/30/2024
tblConstructionPhase	PhaseStartDate	7/29/2023	7/17/2023
tblFleetMix	HHD	0.02	0.24
tblFleetMix	HHD	0.02	0.17
tblFleetMix	LDA	0.54	0.28
tblFleetMix	LDA	0.54	0.35
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.05
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	OBUS	5.5400e-004	0.00

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblLandUse	LotAcreage	4.42	5.50
tblLandUse	LotAcreage	1.06	1.75
tblLandUse	LotAcreage	1.31	1.37
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.74	1.71
tblVehicleTrips	ST_TR	1.99	4.87
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.74	1.71
tblVehicleTrips	SU_TR	5.00	4.87
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	1.74	1.71
tblVehicleTrips	WD_TR	4.96	4.87

2.0 Emissions Summary

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	3.3971	34.5652	28.6719	0.0639	19.8582	1.4256	21.1252	10.1558	1.3116	11.3215	0.0000	6,196.5989	6,196.5989	1.9491	0.3468	6,246.8048
2024	17.7069	17.2661	24.0949	0.0563	2.4011	0.6992	3.1004	0.6454	0.6614	1.3068	0.0000	5,596.3560	5,596.3560	0.7398	0.2070	5,675.2567
Maximum	**17.7069**	**34.5652**	**28.6719**	**0.0639**	**19.8582**	**1.4256**	**21.1252**	**10.1558**	**1.3116**	**11.3215**	**0.0000**	**6,196.5989**	**6,196.5989**	**1.9491**	**0.3468**	**6,246.8048**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.1071	50.3296	35.5202	0.0639	9.0469	1.3662	9.9940	4.5995	1.3540	5.5465	0.0000	6,196.5989	6,196.5989	1.9491	0.3468	6,246.8048
2024	17.2493	28.5104	25.8241	0.0563	2.4011	1.0236	3.4248	0.6454	1.0222	1.6676	0.0000	5,596.3560	5,596.3560	0.7398	0.2070	5,675.2567
Maximum	**17.2493**	**50.3296**	**35.5202**	**0.0639**	**9.0469**	**1.3662**	**9.9940**	**4.5995**	**1.3540**	**5.5465**	**0.0000**	**6,196.5989**	**6,196.5989**	**1.9491**	**0.3468**	**6,246.8048**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	8.28	-52.11	-16.26	0.00	48.57	-12.47	44.61	51.44	-20.44	42.87	0.00	0.00	0.00	0.00	0.00	0.00

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.3591	3.6000e-004	0.0393	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Energy	0.0555	0.5041	0.4234	3.0200e-003		0.0383	0.0383		0.0383	0.0383		604.9165	604.9165	0.0116	0.0111	608.5112
Mobile	1.8553	11.8722	20.1378	0.0796	5.2643	0.1081	5.3724	1.4201	0.1028	1.5229		8,451.9873	8,451.9873	0.3876	0.9158	8,734.5952
Total	**7.2699**	**12.3767**	**20.6006**	**0.0826**	**5.2643**	**0.1465**	**5.4109**	**1.4201**	**0.1413**	**1.5614**		**9,056.9882**	**9,056.9882**	**0.3994**	**0.9269**	**9,343.1963**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.3591	3.6000e-004	0.0393	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Energy	0.0555	0.5041	0.4234	3.0200e-003		0.0383	0.0383		0.0383	0.0383		604.9165	604.9165	0.0116	0.0111	608.5112
Mobile	1.8553	11.8722	20.1378	0.0796	5.2643	0.1081	5.3724	1.4201	0.1028	1.5229		8,451.9873	8,451.9873	0.3876	0.9158	8,734.5952
Total	**7.2699**	**12.3767**	**20.6006**	**0.0826**	**5.2643**	**0.1465**	**5.4109**	**1.4201**	**0.1413**	**1.5614**		**9,056.9882**	**9,056.9882**	**0.3994**	**0.9269**	**9,343.1963**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/3/2023	7/14/2023	5	10	
2	Site Preparation	Site Preparation	7/17/2023	7/28/2023	5	10	
3	Grading	Grading	7/31/2023	8/18/2023	5	15	
4	Building Construction	Building Construction	8/21/2023	9/27/2024	5	290	
5	Paving	Paving	9/30/2024	10/11/2024	5	10	
6	Architectural Coating	Architectural Coating	4/1/2024	10/18/2024	5	145	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 45

Acres of Paving: 1.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 357,690; Non-Residential Outdoor: 119,230; Striped Parking Area: 3,504 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	353.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	151.00	59.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6480	0.0000	7.6480	1.1580	0.0000	1.1580			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**7.6480**	**0.9975**	**8.6456**	**1.1580**	**0.9280**	**2.0860**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0786	4.0927	1.2039	0.0199	0.6182	0.0409	0.6591	0.1695	0.0391	0.2086		2,164.2274	2,164.2274	0.0919	0.3430	2,268.7506
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	**0.1351**	**4.1299**	**1.6695**	**0.0212**	**0.7858**	**0.0417**	**0.8276**	**0.2140**	**0.0399**	**0.2539**		**2,303.0683**	**2,303.0683**	**0.0955**	**0.3468**	**2,408.7915**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4416	0.0000	3.4416	0.5211	0.0000	0.5211			0.0000			0.0000
Off-Road	1.2617	32.6638	24.6739	0.0388		0.9135	0.9135		0.9135	0.9135	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**1.2617**	**32.6638**	**24.6739**	**0.0388**	**3.4416**	**0.9135**	**4.3552**	**0.5211**	**0.9135**	**1.4346**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0786	4.0927	1.2039	0.0199	0.6182	0.0409	0.6591	0.1695	0.0391	0.2086		2,164.2274	2,164.2274	0.0919	0.3430	2,268.7506
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	**0.1351**	**4.1299**	**1.6695**	**0.0212**	**0.7858**	**0.0417**	**0.8276**	**0.2140**	**0.0399**	**0.2539**		**2,303.0683**	**2,303.0683**	**0.0955**	**0.3468**	**2,408.7915**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**19.6570**	**1.2660**	**20.9230**	**10.1025**	**1.1647**	**11.2672**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491
Total	**0.0678**	**0.0447**	**0.5587**	**1.6300e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**166.6090**	**166.6090**	**4.4000e-003**	**4.4600e-003**	**168.0491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**1.2097**	**33.7214**	**22.9600**	**0.0381**	**8.8457**	**0.9462**	**9.7918**	**4.5461**	**0.9462**	**5.4923**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491
Total	**0.0678**	**0.0447**	**0.5587**	**1.6300e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**166.6090**	**166.6090**	**4.4000e-003**	**4.4600e-003**	**168.0491**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**9.2036**	**1.4245**	**10.6281**	**3.6538**	**1.3105**	**4.9643**		**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0753	0.0496	0.6208	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		185.1212	185.1212	4.8900e-003	4.9600e-003	186.7212
Total	**0.0753**	**0.0496**	**0.6208**	**1.8100e-003**	**0.2236**	**1.1000e-003**	**0.2247**	**0.0593**	**1.0200e-003**	**0.0603**		**185.1212**	**185.1212**	**4.8900e-003**	**4.9600e-003**	**186.7212**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	2.0318	50.2799	34.8994	0.0621		1.3651	1.3651		1.3530	1.3530	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	**2.0318**	**50.2799**	**34.8994**	**0.0621**	**4.1416**	**1.3651**	**5.5067**	**1.6442**	**1.3530**	**2.9972**	**0.0000**	**6,011.4777**	**6,011.4777**	**1.9442**		**6,060.0836**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0753	0.0496	0.6208	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0200e-003	0.0603		185.1212	185.1212	4.8900e-003	4.9600e-003	186.7212
Total	**0.0753**	**0.0496**	**0.6208**	**1.8100e-003**	**0.2236**	**1.1000e-003**	**0.2247**	**0.0593**	**1.0200e-003**	**0.0603**		**185.1212**	**185.1212**	**4.8900e-003**	**4.9600e-003**	**186.7212**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0643	2.1859	0.8952	0.0106	0.3780	0.0156	0.3936	0.1089	0.0149	0.1238		1,135.0633	1,135.0633	0.0294	0.1677	1,185.7812
Worker	0.5688	0.3746	4.6868	0.0137	1.6878	8.3400e-003	1.6962	0.4476	7.6800e-003	0.4553		1,397.6647	1,397.6647	0.0369	0.0374	1,409.7451
Total	**0.6330**	**2.5605**	**5.5819**	**0.0242**	**2.0658**	**0.0240**	**2.0898**	**0.5565**	**0.0226**	**0.5791**		**2,532.7279**	**2,532.7279**	**0.0663**	**0.2052**	**2,595.5263**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.0809**	**23.5544**	**17.8738**	**0.0269**		**0.9036**	**0.9036**		**0.9036**	**0.9036**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0643	2.1859	0.8952	0.0106	0.3780	0.0156	0.3936	0.1089	0.0149	0.1238		1,135.0633	1,135.0633	0.0294	0.1677	1,185.7812
Worker	0.5688	0.3746	4.6868	0.0137	1.6878	8.3400e-003	1.6962	0.4476	7.6800e-003	0.4553		1,397.6647	1,397.6647	0.0369	0.0374	1,409.7451
Total	**0.6330**	**2.5605**	**5.5819**	**0.0242**	**2.0658**	**0.0240**	**2.0898**	**0.5565**	**0.0226**	**0.5791**		**2,532.7279**	**2,532.7279**	**0.0663**	**0.2052**	**2,595.5263**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0626	2.2051	0.8805	0.0104	0.3780	0.0154	0.3934	0.1088	0.0147	0.1236		1,119.4481	1,119.4481	0.0285	0.1654	1,169.4473
Worker	0.5297	0.3324	4.3694	0.0133	1.6878	8.0100e-003	1.6958	0.4476	7.3700e-003	0.4550		1,367.9774	1,367.9774	0.0334	0.0347	1,379.1535
Total	**0.5923**	**2.5375**	**5.2499**	**0.0237**	**2.0658**	**0.0234**	**2.0892**	**0.5565**	**0.0221**	**0.5785**		**2,487.4255**	**2,487.4255**	**0.0619**	**0.2001**	**2,548.6008**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.0809**	**23.5544**	**17.8738**	**0.0270**		**0.9036**	**0.9036**		**0.9036**	**0.9036**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0626	2.2051	0.8805	0.0104	0.3780	0.0154	0.3934	0.1088	0.0147	0.1236		1,119.4481	1,119.4481	0.0285	0.1654	1,169.4473
Worker	0.5297	0.3324	4.3694	0.0133	1.6878	8.0100e-003	1.6958	0.4476	7.3700e-003	0.4550		1,367.9774	1,367.9774	0.0334	0.0347	1,379.1535
Total	**0.5923**	**2.5375**	**5.2499**	**0.0237**	**2.0658**	**0.0234**	**2.0892**	**0.5565**	**0.0221**	**0.5785**		**2,487.4255**	**2,487.4255**	**0.0619**	**0.2001**	**2,548.6008**

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.3589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3471**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020
Total	**0.0526**	**0.0330**	**0.4340**	**1.3200e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**135.8918**	**135.8918**	**3.3200e-003**	**3.4500e-003**	**137.0020**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9323	15.5671	15.9556	0.0228		0.5831	0.5831		0.5701	0.5701	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.3589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2913**	**15.5671**	**15.9556**	**0.0228**		**0.5831**	**0.5831**		**0.5701**	**0.5701**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020
Total	**0.0526**	**0.0330**	**0.4340**	**1.3200e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**135.8918**	**135.8918**	**3.3200e-003**	**3.4500e-003**	**137.0020**

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.3570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**15.5378**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1052	0.0661	0.8681	2.6300e-003	0.3353	1.5900e-003	0.3369	0.0889	1.4700e-003	0.0904		271.7836	271.7836	6.6400e-003	6.8900e-003	274.0040
Total	**0.1052**	**0.0661**	**0.8681**	**2.6300e-003**	**0.3353**	**1.5900e-003**	**0.3369**	**0.0889**	**1.4700e-003**	**0.0904**		**271.7836**	**271.7836**	**6.6400e-003**	**6.8900e-003**	**274.0040**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.3570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**15.4709**	**2.3524**	**1.8324**	**2.9700e-003**		**0.0951**	**0.0951**		**0.0951**	**0.0951**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1052	0.0661	0.8681	2.6300e-003	0.3353	1.5900e-003	0.3369	0.0889	1.4700e-003	0.0904		271.7836	271.7836	6.6400e-003	6.8900e-003	274.0040
Total	**0.1052**	**0.0661**	**0.8681**	**2.6300e-003**	**0.3353**	**1.5900e-003**	**0.3369**	**0.0889**	**1.4700e-003**	**0.0904**		**271.7836**	**271.7836**	**6.6400e-003**	**6.8900e-003**	**274.0040**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8553	11.8722	20.1378	0.0796	5.2643	0.1081	5.3724	1.4201	0.1028	1.5229		8,451.9873	8,451.9873	0.3876	0.9158	8,734.5952
Unmitigated	1.8553	11.8722	20.1378	0.0796	5.2643	0.1081	5.3724	1.4201	0.1028	1.5229		8,451.9873	8,451.9873	0.3876	0.9158	8,734.5952

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	328.95	328.95	328.95	1,409,798	1,409,798
General Light Industry	224.46	224.46	224.46	993,964	993,964
Total	553.41	553.41	553.41	2,403,762	2,403,762

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Unrefrigerated Warehouse-No Rail	0.284283	0.056059	0.172680	0.136494	0.026304	0.007104	0.049000	0.243000	0.000000	0.000000	0.025076	0.000000	0.000000
General Light Industry	0.347283	0.056059	0.172680	0.136494	0.026304	0.007104	0.057000	0.172000	0.000000	0.000000	0.025076	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0555	0.5041	0.4234	3.0200e-003		0.0383	0.0383		0.0383	0.0383		604.9165	604.9165	0.0116	0.0111	608.5112
NaturalGas Unmitigated	0.0555	0.5041	0.4234	3.0200e-003		0.0383	0.0383		0.0383	0.0383		604.9165	604.9165	0.0116	0.0111	608.5112

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	4082.44	0.0440	0.4002	0.3362	2.4000e-003		0.0304	0.0304		0.0304	0.0304		480.2868	480.2868	9.2100e-003	8.8100e-003	483.1409
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1059.35	0.0114	0.1039	0.0872	6.2000e-004		7.8900e-003	7.8900e-003		7.8900e-003	7.8900e-003		124.6297	124.6297	2.3900e-003	2.2800e-003	125.3703
Total		**0.0555**	**0.5041**	**0.4234**	**3.0200e-003**		**0.0383**	**0.0383**		**0.0383**	**0.0383**		**604.9165**	**604.9165**	**0.0116**	**0.0111**	**608.5112**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	4.08244	0.0440	0.4002	0.3362	2.4000e-003		0.0304	0.0304		0.0304	0.0304		480.2868	480.2868	9.2100e-003	8.8100e-003	483.1409
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1.05935	0.0114	0.1039	0.0872	6.2000e-004		7.8900e-003	7.8900e-003		7.8900e-003	7.8900e-003		124.6297	124.6297	2.3900e-003	2.2800e-003	125.3703
Total		**0.0555**	**0.5041**	**0.4234**	**3.0200e-003**		**0.0383**	**0.0383**		**0.0383**	**0.0383**		**604.9165**	**604.9165**	**0.0116**	**0.0111**	**608.5112**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.3591	3.6000e-004	0.0393	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Unmitigated	5.3591	3.6000e-004	0.0393	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6300e-003	3.6000e-004	0.0393	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Total	**5.3591**	**3.6000e-004**	**0.0393**	**0.0000**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**		**0.0845**	**0.0845**	**2.2000e-004**		**0.0900**

627 Bon View Warehouse Project - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6101					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.6300e-003	3.6000e-004	0.0393	0.0000		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004		0.0845	0.0845	2.2000e-004		0.0900
Total	**5.3591**	**3.6000e-004**	**0.0393**	**0.0000**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**		**0.0845**	**0.0845**	**2.2000e-004**		**0.0900**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

627 Bon View Warehouse Project - Mitigation - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

627 Bon View Warehouse Project - Mitigation

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	192.37	1000sqft	5.50	192,370.00	0
General Light Industry	46.09	1000sqft	1.75	46,090.00	0
Parking Lot	146.00	Space	1.37	58,400.00	0
City Park	1.43	Acre	1.43	62,290.80	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - total prject site is 10.05 acres

Construction Phase - Construction would start in Q3 of 2023 and would last 15 months. Overlap of building construction and architectural coating phases.

Off-road Equipment - default equipment

Grading - Balanced site

Demolition - Demolition of 6 on site buildings totaling 77,696 sf

Vehicle Trips - Based on a trip generation of 224 ADT for general light industry and 329 ADT for unrefrigetared warehouse

Fleet Mix - Based on 224 ADT, 13 medium trucks, and 39 heavy trucks for general light industry and 329 ADT, 16 medium trucks, and 80 heavy truck for unrefrigerated warehouse

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Energy Use -

Construction Off-road Equipment Mitigation - Use of Tier 2 levl 3 DPF construction equipment, water exposed area twice, and reduced vehicle speed to 15 mph

Area Mitigation - No hearth

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	20.00	145.00
tblConstructionPhase	NumDays	300.00	290.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	30.00	15.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	1/10/2025	10/18/2024
tblConstructionPhase	PhaseEndDate	11/15/2024	9/27/2024
tblConstructionPhase	PhaseEndDate	7/28/2023	7/14/2023
tblConstructionPhase	PhaseEndDate	9/22/2023	8/18/2023
tblConstructionPhase	PhaseEndDate	12/13/2024	10/11/2024
tblConstructionPhase	PhaseEndDate	8/11/2023	7/28/2023
tblConstructionPhase	PhaseStartDate	12/14/2024	4/1/2024

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseStartDate	9/23/2023	8/21/2023
tblConstructionPhase	PhaseStartDate	8/12/2023	7/31/2023
tblConstructionPhase	PhaseStartDate	11/16/2024	9/30/2024
tblConstructionPhase	PhaseStartDate	7/29/2023	7/17/2023
tblFleetMix	HHD	0.02	0.24
tblFleetMix	HHD	0.02	0.17
tblFleetMix	LDA	0.54	0.28
tblFleetMix	LDA	0.54	0.35
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.05
tblFleetMix	MHD	0.01	0.06
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblLandUse	LotAcreage	4.42	5.50
tblLandUse	LotAcreage	1.06	1.75
tblLandUse	LotAcreage	1.31	1.37
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	1.74	1.71
tblVehicleTrips	ST_TR	1.99	4.87
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	1.74	1.71
tblVehicleTrips	SU_TR	5.00	4.87
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	1.74	1.71

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	WD_TR	4.96	4.87

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1539	1.3306	1.4629	3.4200e-003	0.3084	0.0566	0.3650	0.1115	0.0529	0.1643	0.0000	307.5009	307.5009	0.0530	0.0105	311.9577
2024	1.3380	1.7001	2.3799	5.4900e-003	0.2224	0.0690	0.2913	0.0599	0.0651	0.1250	0.0000	495.7041	495.7041	0.0637	0.0183	502.7396
Maximum	**1.3380**	**1.7001**	**2.3799**	**5.4900e-003**	**0.3084**	**0.0690**	**0.3650**	**0.1115**	**0.0651**	**0.1643**	**0.0000**	**495.7041**	**495.7041**	**0.0637**	**0.0183**	**502.7396**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1086	1.9713	1.6404	3.4200e-003	0.1953	0.0107	0.2060	0.0654	0.0106	0.0761	0.0000	307.5007	307.5007	0.0530	0.0105	311.9575
2024	1.2948	2.7982	2.5546	5.4900e-003	0.2224	0.0171	0.2395	0.0599	0.0169	0.0768	0.0000	495.7038	495.7038	0.0637	0.0183	502.7393
Maximum	**1.2948**	**2.7982**	**2.5546**	**5.4900e-003**	**0.2224**	**0.0171**	**0.2395**	**0.0654**	**0.0169**	**0.0768**	**0.0000**	**495.7038**	**495.7038**	**0.0637**	**0.0183**	**502.7393**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.93**	**-57.38**	**-9.17**	**0.00**	**21.30**	**77.85**	**32.12**	**26.87**	**76.61**	**47.15**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-3-2023**	**10-2-2023**	0.7992	1.0946
2	**10-3-2023**	**1-2-2024**	0.6285	0.9143
3	**1-3-2024**	**4-2-2024**	0.5985	0.9151
4	**4-3-2024**	**7-2-2024**	1.1331	1.4836
5	**7-3-2024**	**9-30-2024**	1.1053	1.4438
		Highest	1.1331	1.4836

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9778	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Energy	0.0101	0.0920	0.0773	5.5000e-004		6.9900e-003	6.9900e-003		6.9900e-003	6.9900e-003	0.0000	264.0093	264.0093	0.0158	3.5100e-003	265.4498
Mobile	0.3387	2.1669	3.7894	0.0146	0.9407	0.0196	0.9603	0.2542	0.0187	0.2729	0.0000	1,401.8346	1,401.8346	0.0645	0.1514	1,448.5557
Waste						0.0000	0.0000		0.0000	0.0000	48.3322	0.0000	48.3322	2.8564	0.0000	119.7409
Water						0.0000	0.0000		0.0000	0.0000	17.4946	130.6962	148.1908	1.8079	0.0438	206.4301
Total	**1.3266**	**2.2590**	**3.8716**	**0.0151**	**0.9407**	**0.0266**	**0.9673**	**0.2542**	**0.0257**	**0.2799**	**65.8268**	**1,796.5497**	**1,862.3764**	**4.7445**	**0.1986**	**2,040.1867**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9778	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Energy	0.0101	0.0920	0.0773	5.5000e-004		6.9900e-003	6.9900e-003		6.9900e-003	6.9900e-003	0.0000	264.0093	264.0093	0.0158	3.5100e-003	265.4498
Mobile	0.3387	2.1669	3.7894	0.0146	0.9407	0.0196	0.9603	0.2542	0.0187	0.2729	0.0000	1,401.8346	1,401.8346	0.0645	0.1514	1,448.5557
Waste						0.0000	0.0000		0.0000	0.0000	48.3322	0.0000	48.3322	2.8564	0.0000	119.7409
Water						0.0000	0.0000		0.0000	0.0000	17.4946	130.6962	148.1908	1.8079	0.0438	206.4301
Total	**1.3266**	**2.2590**	**3.8716**	**0.0151**	**0.9407**	**0.0266**	**0.9673**	**0.2542**	**0.0257**	**0.2799**	**65.8268**	**1,796.5497**	**1,862.3764**	**4.7445**	**0.1986**	**2,040.1867**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/3/2023	7/14/2023	5	10	
2	Site Preparation	Site Preparation	7/17/2023	7/28/2023	5	10	
3	Grading	Grading	7/31/2023	8/18/2023	5	15	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	8/21/2023	9/27/2024	5	290	
5	Paving	Paving	9/30/2024	10/11/2024	5	10	
6	Architectural Coating	Architectural Coating	4/1/2024	10/18/2024	5	145	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 45

Acres of Paving: 1.37

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 357,690; Non-Residential Outdoor: 119,230; Striped Parking Area: 3,504 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	353.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	151.00	59.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	30.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0382	0.0000	0.0382	5.7900e-003	0.0000	5.7900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1074	0.0982	1.9000e-004		4.9900e-003	4.9900e-003		4.6400e-003	4.6400e-003	0.0000	16.9960	16.9960	4.7600e-003	0.0000	17.1150
Total	**0.0114**	**0.1074**	**0.0982**	**1.9000e-004**	**0.0382**	**4.9900e-003**	**0.0432**	**5.7900e-003**	**4.6400e-003**	**0.0104**	**0.0000**	**16.9960**	**16.9960**	**4.7600e-003**	**0.0000**	**17.1150**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0205	5.9600e-003	1.0000e-004	3.0400e-003	2.0000e-004	3.2400e-003	8.3000e-004	2.0000e-004	1.0300e-003	0.0000	9.8082	9.8082	4.2000e-004	1.5500e-003	10.2819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.0000e-004	2.4400e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6423	0.6423	2.0000e-005	2.0000e-005	0.6479
Total	**6.7000e-004**	**0.0207**	**8.4000e-003**	**1.1000e-004**	**3.8600e-003**	**2.0000e-004**	**4.0700e-003**	**1.0500e-003**	**2.0000e-004**	**1.2500e-003**	**0.0000**	**10.4505**	**10.4505**	**4.4000e-004**	**1.5700e-003**	**10.9298**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0172	0.0000	0.0172	2.6100e-003	0.0000	2.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3100e-003	0.1633	0.1234	1.9000e-004		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	16.9960	16.9960	4.7600e-003	0.0000	17.1150
Total	**6.3100e-003**	**0.1633**	**0.1234**	**1.9000e-004**	**0.0172**	**6.9000e-004**	**0.0179**	**2.6100e-003**	**6.9000e-004**	**3.3000e-003**	**0.0000**	**16.9960**	**16.9960**	**4.7600e-003**	**0.0000**	**17.1150**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.1000e-004	0.0205	5.9600e-003	1.0000e-004	3.0400e-003	2.0000e-004	3.2400e-003	8.3000e-004	2.0000e-004	1.0300e-003	0.0000	9.8082	9.8082	4.2000e-004	1.5500e-003	10.2819
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.0000e-004	2.4400e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6423	0.6423	2.0000e-005	2.0000e-005	0.6479
Total	**6.7000e-004**	**0.0207**	**8.4000e-003**	**1.1000e-004**	**3.8600e-003**	**2.0000e-004**	**4.0700e-003**	**1.0500e-003**	**2.0000e-004**	**1.2500e-003**	**0.0000**	**10.4505**	**10.4505**	**4.4000e-004**	**1.5700e-003**	**10.9298**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606
Total	**0.0133**	**0.1376**	**0.0912**	**1.9000e-004**	**0.0983**	**6.3300e-003**	**0.1046**	**0.0505**	**5.8200e-003**	**0.0563**	**0.0000**	**16.7254**	**16.7254**	**5.4100e-003**	**0.0000**	**16.8606**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.3000e-004	2.9300e-003	1.0000e-005	9.9000e-004	0.0000	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7707	0.7707	2.0000e-005	2.0000e-005	0.7775
Total	**3.1000e-004**	**2.3000e-004**	**2.9300e-003**	**1.0000e-005**	**9.9000e-004**	**0.0000**	**9.9000e-004**	**2.6000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**0.7707**	**0.7707**	**2.0000e-005**	**2.0000e-005**	**0.7775**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0442	0.0000	0.0442	0.0227	0.0000	0.0227	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0500e-003	0.1686	0.1148	1.9000e-004		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606
Total	**6.0500e-003**	**0.1686**	**0.1148**	**1.9000e-004**	**0.0442**	**7.1000e-004**	**0.0449**	**0.0227**	**7.1000e-004**	**0.0234**	**0.0000**	**16.7253**	**16.7253**	**5.4100e-003**	**0.0000**	**16.8606**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.3000e-004	2.9300e-003	1.0000e-005	9.9000e-004	0.0000	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7707	0.7707	2.0000e-005	2.0000e-005	0.7775
Total	**3.1000e-004**	**2.3000e-004**	**2.9300e-003**	**1.0000e-005**	**9.9000e-004**	**0.0000**	**9.9000e-004**	**2.6000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**0.7707**	**0.7707**	**2.0000e-005**	**2.0000e-005**	**0.7775**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0690	0.0000	0.0690	0.0274	0.0000	0.0274	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.2589	0.2104	4.7000e-004		0.0107	0.0107		9.8300e-003	9.8300e-003	0.0000	40.9014	40.9014	0.0132	0.0000	41.2321
Total	**0.0249**	**0.2589**	**0.2104**	**4.7000e-004**	**0.0690**	**0.0107**	**0.0797**	**0.0274**	**9.8300e-003**	**0.0372**	**0.0000**	**40.9014**	**40.9014**	**0.0132**	**0.0000**	**41.2321**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8800e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2845	1.2845	3.0000e-005	3.0000e-005	1.2958
Total	**5.2000e-004**	**3.9000e-004**	**4.8800e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2845**	**1.2845**	**3.0000e-005**	**3.0000e-005**	**1.2958**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0311	0.0000	0.0311	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0152	0.3771	0.2618	4.7000e-004		1.5400e-003	1.5400e-003		1.5200e-003	1.5200e-003	0.0000	40.9014	40.9014	0.0132	0.0000	41.2321
Total	**0.0152**	**0.3771**	**0.2618**	**4.7000e-004**	**0.0311**	**1.5400e-003**	**0.0326**	**0.0123**	**1.5200e-003**	**0.0139**	**0.0000**	**40.9014**	**40.9014**	**0.0132**	**0.0000**	**41.2321**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8800e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2845	1.2845	3.0000e-005	3.0000e-005	1.2958
Total	**5.2000e-004**	**3.9000e-004**	**4.8800e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2845**	**1.2845**	**3.0000e-005**	**3.0000e-005**	**1.2958**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0747	0.6833	0.7716	1.2800e-003		0.0332	0.0332		0.0313	0.0313	0.0000	110.1073	110.1073	0.0262	0.0000	110.7621
Total	**0.0747**	**0.6833**	**0.7716**	**1.2800e-003**		**0.0332**	**0.0332**		**0.0313**	**0.0313**	**0.0000**	**110.1073**	**110.1073**	**0.0262**	**0.0000**	**110.7621**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1600e-003	0.1034	0.0419	5.0000e-004	0.0177	7.4000e-004	0.0184	5.1000e-003	7.1000e-004	5.8100e-003	0.0000	48.8428	48.8428	1.2700e-003	7.2200e-003	51.0256
Worker	0.0250	0.0187	0.2334	6.6000e-004	0.0786	4.0000e-004	0.0790	0.0209	3.6000e-004	0.0213	0.0000	61.4223	61.4223	1.6100e-003	1.6700e-003	61.9593
Total	**0.0282**	**0.1221**	**0.2752**	**1.1600e-003**	**0.0963**	**1.1400e-003**	**0.0975**	**0.0260**	**1.0700e-003**	**0.0271**	**0.0000**	**110.2651**	**110.2651**	**2.8800e-003**	**8.8900e-003**	**112.9848**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0513	1.1188	0.8490	1.2800e-003		6.4400e-003	6.4400e-003		6.4400e-003	6.4400e-003	0.0000	110.1071	110.1071	0.0262	0.0000	110.7619
Total	**0.0513**	**1.1188**	**0.8490**	**1.2800e-003**		**6.4400e-003**	**6.4400e-003**		**6.4400e-003**	**6.4400e-003**	**0.0000**	**110.1071**	**110.1071**	**0.0262**	**0.0000**	**110.7619**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1600e-003	0.1034	0.0419	5.0000e-004	0.0177	7.4000e-004	0.0184	5.1000e-003	7.1000e-004	5.8100e-003	0.0000	48.8428	48.8428	1.2700e-003	7.2200e-003	51.0256
Worker	0.0250	0.0187	0.2334	6.6000e-004	0.0786	4.0000e-004	0.0790	0.0209	3.6000e-004	0.0213	0.0000	61.4223	61.4223	1.6100e-003	1.6700e-003	61.9593
Total	**0.0282**	**0.1221**	**0.2752**	**1.1600e-003**	**0.0963**	**1.1400e-003**	**0.0975**	**0.0260**	**1.0700e-003**	**0.0271**	**0.0000**	**110.2651**	**110.2651**	**2.8800e-003**	**8.8900e-003**	**112.9848**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1435	1.3108	1.5763	2.6300e-003		0.0598	0.0598		0.0563	0.0563	0.0000	226.0529	226.0529	0.0535	0.0000	227.3893
Total	**0.1435**	**1.3108**	**1.5763**	**2.6300e-003**		**0.0598**	**0.0598**		**0.0563**	**0.0563**	**0.0000**	**226.0529**	**226.0529**	**0.0535**	**0.0000**	**227.3893**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3400e-003	0.2141	0.0845	1.0200e-003	0.0363	1.5000e-003	0.0378	0.0105	1.4300e-003	0.0119	0.0000	98.8760	98.8760	2.5300e-003	0.0146	103.2928
Worker	0.0477	0.0340	0.4465	1.3200e-003	0.1614	7.8000e-004	0.1622	0.0429	7.2000e-004	0.0436	0.0000	123.3931	123.3931	3.0000e-003	3.1700e-003	124.4125
Total	**0.0541**	**0.2481**	**0.5310**	**2.3400e-003**	**0.1977**	**2.2800e-003**	**0.2000**	**0.0533**	**2.1500e-003**	**0.0555**	**0.0000**	**222.2691**	**222.2691**	**5.5300e-003**	**0.0178**	**227.7053**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1054	2.2966	1.7427	2.6300e-003		0.0132	0.0132		0.0132	0.0132	0.0000	226.0526	226.0526	0.0535	0.0000	227.3890
Total	**0.1054**	**2.2966**	**1.7427**	**2.6300e-003**		**0.0132**	**0.0132**		**0.0132**	**0.0132**	**0.0000**	**226.0526**	**226.0526**	**0.0535**	**0.0000**	**227.3890**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3400e-003	0.2141	0.0845	1.0200e-003	0.0363	1.5000e-003	0.0378	0.0105	1.4300e-003	0.0119	0.0000	98.8760	98.8760	2.5300e-003	0.0146	103.2928
Worker	0.0477	0.0340	0.4465	1.3200e-003	0.1614	7.8000e-004	0.1622	0.0429	7.2000e-004	0.0436	0.0000	123.3931	123.3931	3.0000e-003	3.1700e-003	124.4125
Total	**0.0541**	**0.2481**	**0.5310**	**2.3400e-003**	**0.1977**	**2.2800e-003**	**0.2000**	**0.0533**	**2.1500e-003**	**0.0555**	**0.0000**	**222.2691**	**222.2691**	**5.5300e-003**	**0.0178**	**227.7053**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9400e-003	0.0476	0.0731	1.1000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	10.0133	10.0133	3.2400e-003	0.0000	10.0942
Paving	1.7900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.7300e-003**	**0.0476**	**0.0731**	**1.1000e-004**		**2.3400e-003**	**2.3400e-003**		**2.1600e-003**	**2.1600e-003**	**0.0000**	**10.0133**	**10.0133**	**3.2400e-003**	**0.0000**	**10.0942**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.7000e-004	2.2700e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6286	0.6286	2.0000e-005	2.0000e-005	0.6338
Total	**2.4000e-004**	**1.7000e-004**	**2.2700e-003**	**1.0000e-005**	**8.2000e-004**	**0.0000**	**8.3000e-004**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.6286**	**0.6286**	**2.0000e-005**	**2.0000e-005**	**0.6338**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.6600e-003	0.0778	0.0798	1.1000e-004		4.4000e-004	4.4000e-004		4.3000e-004	4.3000e-004	0.0000	10.0133	10.0133	3.2400e-003	0.0000	10.0942
Paving	1.7900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.4500e-003**	**0.0778**	**0.0798**	**1.1000e-004**		**4.4000e-004**	**4.4000e-004**		**4.3000e-004**	**4.3000e-004**	**0.0000**	**10.0133**	**10.0133**	**3.2400e-003**	**0.0000**	**10.0942**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.7000e-004	2.2700e-003	1.0000e-005	8.2000e-004	0.0000	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6286	0.6286	2.0000e-005	2.0000e-005	0.6338
Total	**2.4000e-004**	**1.7000e-004**	**2.2700e-003**	**1.0000e-005**	**8.2000e-004**	**0.0000**	**8.3000e-004**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.6286**	**0.6286**	**2.0000e-005**	**2.0000e-005**	**0.6338**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1134					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0131	0.0884	0.1312	2.2000e-004		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003	0.0000	18.5111	18.5111	1.0400e-003	0.0000	18.5372
Total	**1.1265**	**0.0884**	**0.1312**	**2.2000e-004**		**4.4200e-003**	**4.4200e-003**		**4.4200e-003**	**4.4200e-003**	**0.0000**	**18.5111**	**18.5111**	**1.0400e-003**	**0.0000**	**18.5372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0500e-003	5.0200e-003	0.0660	1.9000e-004	0.0239	1.2000e-004	0.0240	6.3300e-003	1.1000e-004	6.4400e-003	0.0000	18.2292	18.2292	4.4000e-004	4.7000e-004	18.3798
Total	**7.0500e-003**	**5.0200e-003**	**0.0660**	**1.9000e-004**	**0.0239**	**1.2000e-004**	**0.0240**	**6.3300e-003**	**1.1000e-004**	**6.4400e-003**	**0.0000**	**18.2292**	**18.2292**	**4.4000e-004**	**4.7000e-004**	**18.3798**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1134					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2600e-003	0.1706	0.1329	2.2000e-004		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	18.5111	18.5111	1.0400e-003	0.0000	18.5371
Total	**1.1216**	**0.1706**	**0.1329**	**2.2000e-004**		**1.0300e-003**	**1.0300e-003**		**1.0300e-003**	**1.0300e-003**	**0.0000**	**18.5111**	**18.5111**	**1.0400e-003**	**0.0000**	**18.5371**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0500e-003	5.0200e-003	0.0660	1.9000e-004	0.0239	1.2000e-004	0.0240	6.3300e-003	1.1000e-004	6.4400e-003	0.0000	18.2292	18.2292	4.4000e-004	4.7000e-004	18.3798
Total	**7.0500e-003**	**5.0200e-003**	**0.0660**	**1.9000e-004**	**0.0239**	**1.2000e-004**	**0.0240**	**6.3300e-003**	**1.1000e-004**	**6.4400e-003**	**0.0000**	**18.2292**	**18.2292**	**4.4000e-004**	**4.7000e-004**	**18.3798**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3387	2.1669	3.7894	0.0146	0.9407	0.0196	0.9603	0.2542	0.0187	0.2729	0.0000	1,401.8346	1,401.8346	0.0645	0.1514	1,448.5557
Unmitigated	0.3387	2.1669	3.7894	0.0146	0.9407	0.0196	0.9603	0.2542	0.0187	0.2729	0.0000	1,401.8346	1,401.8346	0.0645	0.1514	1,448.5557

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	328.95	328.95	328.95	1,409,798	1,409,798
General Light Industry	224.46	224.46	224.46	993,964	993,964
Total	553.41	553.41	553.41	2,403,762	2,403,762

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Unrefrigerated Warehouse-No Rail	0.284283	0.056059	0.172680	0.136494	0.026304	0.007104	0.049000	0.243000	0.000000	0.000000	0.025076	0.000000	0.000000
General Light Industry	0.347283	0.056059	0.172680	0.136494	0.026304	0.007104	0.057000	0.172000	0.000000	0.000000	0.025076	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	163.8586	163.8586	0.0138	1.6800e-003	164.7040
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	163.8586	163.8586	0.0138	1.6800e-003	164.7040
NaturalGas Mitigated	0.0101	0.0920	0.0773	5.5000e-004		6.9900e-003	6.9900e-003		6.9900e-003	6.9900e-003	0.0000	100.1507	100.1507	1.9200e-003	1.8400e-003	100.7459
NaturalGas Unmitigated	0.0101	0.0920	0.0773	5.5000e-004		6.9900e-003	6.9900e-003		6.9900e-003	6.9900e-003	0.0000	100.1507	100.1507	1.9200e-003	1.8400e-003	100.7459

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	1.49009e+006	8.0300e-003	0.0730	0.0614	4.4000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003	0.0000	79.5169	79.5169	1.5200e-003	1.4600e-003	79.9894
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	386664	2.0800e-003	0.0190	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	20.6339	20.6339	4.0000e-004	3.8000e-004	20.7565
Total		**0.0101**	**0.0920**	**0.0773**	**5.5000e-004**		**6.9900e-003**	**6.9900e-003**		**6.9900e-003**	**6.9900e-003**	**0.0000**	**100.1507**	**100.1507**	**1.9200e-003**	**1.8400e-003**	**100.7459**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	1.49009e+006	8.0300e-003	0.0730	0.0614	4.4000e-004		5.5500e-003	5.5500e-003		5.5500e-003	5.5500e-003	0.0000	79.5169	79.5169	1.5200e-003	1.4600e-003	79.9894
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	386664	2.0800e-003	0.0190	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	20.6339	20.6339	4.0000e-004	3.8000e-004	20.7565
Total		**0.0101**	**0.0920**	**0.0773**	**5.5000e-004**		**6.9900e-003**	**6.9900e-003**		**6.9900e-003**	**6.9900e-003**	**0.0000**	**100.1507**	**100.1507**	**1.9200e-003**	**1.8400e-003**	**100.7459**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	457213	81.0847	6.8400e-003	8.3000e-004	81.5030
Parking Lot	20440	3.6249	3.1000e-004	4.0000e-005	3.6436
Unrefrigerated Warehouse-No Rail	446298	79.1490	6.6800e-003	8.1000e-004	79.5574
Total		**163.8586**	**0.0138**	**1.6800e-003**	**164.7040**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	457213	81.0847	6.8400e-003	8.3000e-004	81.5030
Parking Lot	20440	3.6249	3.1000e-004	4.0000e-005	3.6436
Unrefrigerated Warehouse-No Rail	446298	79.1490	6.6800e-003	8.1000e-004	79.5574
Total		**163.8586**	**0.0138**	**1.6800e-003**	**164.7040**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9778	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Unmitigated	0.9778	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1113					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8660					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.5000e-004	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Total	**0.9778**	**4.0000e-005**	**4.9200e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**9.5800e-003**	**9.5800e-003**	**3.0000e-005**	**0.0000**	**0.0102**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1113					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8660					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.5000e-004	4.0000e-005	4.9200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.5800e-003	9.5800e-003	3.0000e-005	0.0000	0.0102
Total	**0.9778**	**4.0000e-005**	**4.9200e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**9.5800e-003**	**9.5800e-003**	**3.0000e-005**	**0.0000**	**0.0102**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	148.1908	1.8079	0.0438	206.4301
Unmitigated	148.1908	1.8079	0.0438	206.4301

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.70382	3.3571	2.8000e-004	3.0000e-005	3.3744
General Light Industry	10.6583 / 0	27.9937	0.3494	8.4500e-003	39.2470
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	44.4856 / 0	116.8400	1.4582	0.0353	163.8088
Total		**148.1908**	**1.8079**	**0.0438**	**206.4301**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.70382	3.3571	2.8000e-004	3.0000e-005	3.3744
General Light Industry	10.6583 / 0	27.9937	0.3494	8.4500e-003	39.2470
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	44.4856 / 0	116.8400	1.4582	0.0353	163.8088
Total		**148.1908**	**1.8079**	**0.0438**	**206.4301**

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	48.3322	2.8564	0.0000	119.7409
Unmitigated	48.3322	2.8564	0.0000	119.7409

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.12	0.0244	1.4400e-003	0.0000	0.0604
General Light Industry	57.15	11.6009	0.6856	0.0000	28.7408
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	180.83	36.7069	2.1693	0.0000	90.9397
Total		**48.3322**	**2.8564**	**0.0000**	**119.7409**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.12	0.0244	1.4400e-003	0.0000	0.0604
General Light Industry	57.15	11.6009	0.6856	0.0000	28.7408
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	180.83	36.7069	2.1693	0.0000	90.9397
Total		**48.3322**	**2.8564**	**0.0000**	**119.7409**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	77.70	1000sqft	1.78	77,696.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational run only

Off-road Equipment - default equipment

Grading - Balanced site

Demolition -

Vehicle Trips - Based on a trip generation of 15 ADT

Fleet Mix - Based on 224 ADT, 13 medium trucks, and 39 heavy trucks for general light industry and 329 ADT, 16 medium trucks, and 80 heavy truck for unrefrigerated warehouse

Energy Use - Using historical data

Construction Off-road Equipment Mitigation -

Area Mitigation -

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	0.00
tblVehicleTrips	ST_TR	1.74	0.19
tblVehicleTrips	SU_TR	1.74	0.19
tblVehicleTrips	WD_TR	1.74	0.19

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3169	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9300e-003	1.9300e-003	1.0000e-005	0.0000	2.0600e-003
Energy	1.0500e-003	9.5600e-003	8.0300e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	54.2242	54.2242	3.9000e-003	6.4000e-004	54.5121
Mobile	9.5900e-003	0.0182	0.1092	2.4000e-004	0.0239	2.3000e-004	0.0241	6.3700e-003	2.1000e-004	6.5900e-003	0.0000	22.4453	22.4453	1.2400e-003	1.1300e-003	22.8118
Waste						0.0000	0.0000		0.0000	0.0000	14.8265	0.0000	14.8265	0.8762	0.0000	36.7319
Water						0.0000	0.0000		0.0000	0.0000	5.7005	41.4923	47.1927	0.5890	0.0143	66.1639
Total	**0.3275**	**0.0278**	**0.1182**	**3.0000e-004**	**0.0239**	**9.6000e-004**	**0.0248**	**6.3700e-003**	**9.4000e-004**	**7.3200e-003**	**20.5269**	**118.1637**	**138.6906**	**1.4704**	**0.0160**	**180.2217**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3169	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9300e-003	1.9300e-003	1.0000e-005	0.0000	2.0600e-003
Energy	1.0500e-003	9.5600e-003	8.0300e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	54.2242	54.2242	3.9000e-003	6.4000e-004	54.5121
Mobile	9.5900e-003	0.0182	0.1092	2.4000e-004	0.0239	2.3000e-004	0.0241	6.3700e-003	2.1000e-004	6.5900e-003	0.0000	22.4453	22.4453	1.2400e-003	1.1300e-003	22.8118
Waste						0.0000	0.0000		0.0000	0.0000	14.8265	0.0000	14.8265	0.8762	0.0000	36.7319
Water						0.0000	0.0000		0.0000	0.0000	5.7005	41.4923	47.1927	0.5890	0.0143	66.1639
Total	**0.3275**	**0.0278**	**0.1182**	**3.0000e-004**	**0.0239**	**9.6000e-004**	**0.0248**	**6.3700e-003**	**9.4000e-004**	**7.3200e-003**	**20.5269**	**118.1637**	**138.6906**	**1.4704**	**0.0160**	**180.2217**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/12/2022	9/11/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	9.5900e-003	0.0182	0.1092	2.4000e-004	0.0239	2.3000e-004	0.0241	6.3700e-003	2.1000e-004	6.5900e-003	0.0000	22.4453	22.4453	1.2400e-003	1.1300e-003	22.8118
Unmitigated	9.5900e-003	0.0182	0.1092	2.4000e-004	0.0239	2.3000e-004	0.0241	6.3700e-003	2.1000e-004	6.5900e-003	0.0000	22.4453	22.4453	1.2400e-003	1.1300e-003	22.8118

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14.76	14.76	14.76	63,267	63,267
Total	14.76	14.76	14.76	63,267	63,267

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	43.8174	43.8174	3.7000e-003	4.5000e-004	44.0434
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	43.8174	43.8174	3.7000e-003	4.5000e-004	44.0434
NaturalGas Mitigated	1.0500e-003	9.5600e-003	8.0300e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4069	10.4069	2.0000e-004	1.9000e-004	10.4687
NaturalGas Unmitigated	1.0500e-003	9.5600e-003	8.0300e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4069	10.4069	2.0000e-004	1.9000e-004	10.4687

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	195017	1.0500e-003	9.5600e-003	8.0300e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4069	10.4069	2.0000e-004	1.9000e-004	10.4687
Total		**1.0500e-003**	**9.5600e-003**	**8.0300e-003**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**	**0.0000**	**10.4069**	**10.4069**	**2.0000e-004**	**1.9000e-004**	**10.4687**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	195017	1.0500e-003	9.5600e-003	8.0300e-003	6.0000e-005		7.3000e-004	7.3000e-004		7.3000e-004	7.3000e-004	0.0000	10.4069	10.4069	2.0000e-004	1.9000e-004	10.4687
Total		**1.0500e-003**	**9.5600e-003**	**8.0300e-003**	**6.0000e-005**		**7.3000e-004**	**7.3000e-004**		**7.3000e-004**	**7.3000e-004**	**0.0000**	**10.4069**	**10.4069**	**2.0000e-004**	**1.9000e-004**	**10.4687**

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	247073	43.8174	3.7000e-003	4.5000e-004	44.0434
Total		**43.8174**	**3.7000e-003**	**4.5000e-004**	**44.0434**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	247073	43.8174	3.7000e-003	4.5000e-004	44.0434
Total		**43.8174**	**3.7000e-003**	**4.5000e-004**	**44.0434**

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3169	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9300e-003	1.9300e-003	1.0000e-005	0.0000	2.0600e-003
Unmitigated	0.3169	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9300e-003	1.9300e-003	1.0000e-005	0.0000	2.0600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0360					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2808					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9300e-003	1.9300e-003	1.0000e-005	0.0000	2.0600e-003
Total	**0.3169**	**1.0000e-005**	**9.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.9300e-003**	**1.9300e-003**	**1.0000e-005**	**0.0000**	**2.0600e-003**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0360					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2808					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.0000e-005	1.0000e-005	9.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9300e-003	1.9300e-003	1.0000e-005	0.0000	2.0600e-003
Total	**0.3169**	**1.0000e-005**	**9.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.9300e-003**	**1.9300e-003**	**1.0000e-005**	**0.0000**	**2.0600e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	47.1927	0.5890	0.0143	66.1639
Unmitigated	47.1927	0.5890	0.0143	66.1639

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	17.9681 / 0	47.1927	0.5890	0.0143	66.1639
Total		**47.1927**	**0.5890**	**0.0143**	**66.1639**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	17.9681 / 0	47.1927	0.5890	0.0143	66.1639
Total		**47.1927**	**0.5890**	**0.0143**	**66.1639**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.8265	0.8762	0.0000	36.7319
Unmitigated	14.8265	0.8762	0.0000	36.7319

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	73.04	14.8265	0.8762	0.0000	36.7319
Total		**14.8265**	**0.8762**	**0.0000**	**36.7319**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	73.04	14.8265	0.8762	0.0000	36.7319
Total		**14.8265**	**0.8762**	**0.0000**	**36.7319**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

627 Bon View Warehouse Project - Existing Uses

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	77.70	1000sqft	1.78	77,696.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational run only

Off-road Equipment - default equipment

Demolition -

Grading - Balanced site

Vehicle Trips - Based on a trip generation of 15 ADT

Energy Use - Using historical data

Construction Off-road Equipment Mitigation -

Area Mitigation -

Fleet Mix - Based on 224 ADT, 13 medium trucks, and 39 heavy trucks for general light industry and 329 ADT, 16 medium trucks, and 80 heavy truck for unrefrigerated warehouse

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	0.00
tblLandUse	LandUseSquareFeet	77,700.00	77,696.00
tblVehicleTrips	ST_TR	1.74	0.19
tblVehicleTrips	SU_TR	1.74	0.19
tblVehicleTrips	WD_TR	1.74	0.19

2.0 Emissions Summary

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.6230	0.0000	0.0000	0.5732	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.6230**	**0.0000**	**0.0000**	**0.5732**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.6230	0.0000	0.0000	0.5732	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.6230**	**0.0000**	**0.0000**	**0.5732**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7365	7.0000e-005	7.9500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0170	0.0170	4.0000e-005		0.0181
Energy	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8580	62.8580	1.2000e-003	1.1500e-003	63.2315
Mobile	0.0599	0.0925	0.6533	1.4100e-003	0.1336	1.2400e-003	0.1349	0.0357	1.1600e-003	0.0368		144.6200	144.6200	7.3300e-003	6.5600e-003	146.7569
Total	**1.8021**	**0.1450**	**0.7052**	**1.7200e-003**	**0.1336**	**5.2500e-003**	**0.1389**	**0.0357**	**5.1700e-003**	**0.0408**		**207.4950**	**207.4950**	**8.5700e-003**	**7.7100e-003**	**210.0065**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7365	7.0000e-005	7.9500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0170	0.0170	4.0000e-005		0.0181
Energy	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8580	62.8580	1.2000e-003	1.1500e-003	63.2315
Mobile	0.0599	0.0925	0.6533	1.4100e-003	0.1336	1.2400e-003	0.1349	0.0357	1.1600e-003	0.0368		144.6200	144.6200	7.3300e-003	6.5600e-003	146.7569
Total	**1.8021**	**0.1450**	**0.7052**	**1.7200e-003**	**0.1336**	**5.2500e-003**	**0.1389**	**0.0357**	**5.1700e-003**	**0.0408**		**207.4950**	**207.4950**	**8.5700e-003**	**7.7100e-003**	**210.0065**

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/12/2022	9/11/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0599	0.0925	0.6533	1.4100e-003	0.1336	1.2400e-003	0.1349	0.0357	1.1600e-003	0.0368		144.6200	144.6200	7.3300e-003	6.5600e-003	146.7569
Unmitigated	0.0599	0.0925	0.6533	1.4100e-003	0.1336	1.2400e-003	0.1349	0.0357	1.1600e-003	0.0368		144.6200	144.6200	7.3300e-003	6.5600e-003	146.7569

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14.76	14.76	14.76	63,270	63,270
Total	14.76	14.76	14.76	63,270	63,270

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8580	62.8580	1.2000e-003	1.1500e-003	63.2315
NaturalGas Unmitigated	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8580	62.8580	1.2000e-003	1.1500e-003	63.2315

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	534.293	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8580	62.8580	1.2000e-003	1.1500e-003	63.2315
Total		**5.7600e-003**	**0.0524**	**0.0440**	**3.1000e-004**		**3.9800e-003**	**3.9800e-003**		**3.9800e-003**	**3.9800e-003**		**62.8580**	**62.8580**	**1.2000e-003**	**1.1500e-003**	**63.2315**

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	0.534293	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8580	62.8580	1.2000e-003	1.1500e-003	63.2315
Total		**5.7600e-003**	**0.0524**	**0.0440**	**3.1000e-004**		**3.9800e-003**	**3.9800e-003**		**3.9800e-003**	**3.9800e-003**		**62.8580**	**62.8580**	**1.2000e-003**	**1.1500e-003**	**63.2315**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7365	7.0000e-005	7.9500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0170	0.0170	4.0000e-005		0.0181
Unmitigated	1.7365	7.0000e-005	7.9500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0170	0.0170	4.0000e-005		0.0181

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5384					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.4000e-004	7.0000e-005	7.9500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0170	0.0170	4.0000e-005		0.0181
Total	**1.7365**	**7.0000e-005**	**7.9500e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0170**	**0.0170**	**4.0000e-005**		**0.0181**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5384					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.4000e-004	7.0000e-005	7.9500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0170	0.0170	4.0000e-005		0.0181
Total	**1.7365**	**7.0000e-005**	**7.9500e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0170**	**0.0170**	**4.0000e-005**		**0.0181**

7.0 Water Detail

7.1 Mitigation Measures Water

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

627 Bon View Warehouse Project - Existing Uses

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	77.70	1000sqft	1.78	77,696.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Operational run only

Off-road Equipment - default equipment

Demolition -

Grading - Balanced site

Vehicle Trips - Based on a trip generation of 15 ADT

Energy Use - Using historical data

Construction Off-road Equipment Mitigation -

Area Mitigation -

Fleet Mix - Based on 224 ADT, 13 medium trucks, and 39 heavy trucks for general light industry and 329 ADT, 16 medium trucks, and 80 heavy truck for unrefrigerated warehouse

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	0.00
tblLandUse	LandUseSquareFeet	77,700.00	77,696.00
tblVehicleTrips	ST_TR	1.74	0.19
tblVehicleTrips	SU_TR	1.74	0.19
tblVehicleTrips	WD_TR	1.74	0.19

2.0 Emissions Summary

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.6230	0.0000	0.0000	0.5732	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.6230**	**0.0000**	**0.0000**	**0.5732**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.6230	0.0000	0.0000	0.5732	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.6230**	**0.0000**	**0.0000**	**0.5732**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7365	7.0000e-005	7.9500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0170	0.0170	4.0000e-005		0.0181
Energy	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8580	62.8580	1.2000e-003	1.1500e-003	63.2315
Mobile	0.0530	0.0980	0.5751	1.3100e-003	0.1336	1.2400e-003	0.1349	0.0357	1.1600e-003	0.0368		134.0894	134.0894	7.4400e-003	6.7200e-003	136.2768
Total	**1.7952**	**0.1504**	**0.6270**	**1.6200e-003**	**0.1336**	**5.2500e-003**	**0.1389**	**0.0357**	**5.1700e-003**	**0.0408**		**196.9644**	**196.9644**	**8.6800e-003**	**7.8700e-003**	**199.5265**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.7365	7.0000e-005	7.9500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0170	0.0170	4.0000e-005		0.0181
Energy	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8580	62.8580	1.2000e-003	1.1500e-003	63.2315
Mobile	0.0530	0.0980	0.5751	1.3100e-003	0.1336	1.2400e-003	0.1349	0.0357	1.1600e-003	0.0368		134.0894	134.0894	7.4400e-003	6.7200e-003	136.2768
Total	**1.7952**	**0.1504**	**0.6270**	**1.6200e-003**	**0.1336**	**5.2500e-003**	**0.1389**	**0.0357**	**5.1700e-003**	**0.0408**		**196.9644**	**196.9644**	**8.6800e-003**	**7.8700e-003**	**199.5265**

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	9/12/2022	9/11/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0530	0.0980	0.5751	1.3100e-003	0.1336	1.2400e-003	0.1349	0.0357	1.1600e-003	0.0368		134.0894	134.0894	7.4400e-003	6.7200e-003	136.2768
Unmitigated	0.0530	0.0980	0.5751	1.3100e-003	0.1336	1.2400e-003	0.1349	0.0357	1.1600e-003	0.0368		134.0894	134.0894	7.4400e-003	6.7200e-003	136.2768

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	14.76	14.76	14.76	63,270	63,270
Total	14.76	14.76	14.76	63,270	63,270

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.534251	0.055593	0.171990	0.141576	0.027719	0.007281	0.011628	0.017336	0.000569	0.000257	0.025522	0.000954	0.005323

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8580	62.8580	1.2000e-003	1.1500e-003	63.2315
NaturalGas Unmitigated	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8580	62.8580	1.2000e-003	1.1500e-003	63.2315

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	534.293	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8580	62.8580	1.2000e-003	1.1500e-003	63.2315
Total		**5.7600e-003**	**0.0524**	**0.0440**	**3.1000e-004**		**3.9800e-003**	**3.9800e-003**		**3.9800e-003**	**3.9800e-003**		**62.8580**	**62.8580**	**1.2000e-003**	**1.1500e-003**	**63.2315**

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	0.534293	5.7600e-003	0.0524	0.0440	3.1000e-004		3.9800e-003	3.9800e-003		3.9800e-003	3.9800e-003		62.8580	62.8580	1.2000e-003	1.1500e-003	63.2315
Total		**5.7600e-003**	**0.0524**	**0.0440**	**3.1000e-004**		**3.9800e-003**	**3.9800e-003**		**3.9800e-003**	**3.9800e-003**		**62.8580**	**62.8580**	**1.2000e-003**	**1.1500e-003**	**63.2315**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7365	7.0000e-005	7.9500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0170	0.0170	4.0000e-005		0.0181
Unmitigated	1.7365	7.0000e-005	7.9500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0170	0.0170	4.0000e-005		0.0181

627 Bon View Warehouse Project - Existing Uses - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5384					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.4000e-004	7.0000e-005	7.9500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0170	0.0170	4.0000e-005		0.0181
Total	**1.7365**	**7.0000e-005**	**7.9500e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0170**	**0.0170**	**4.0000e-005**		**0.0181**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5384					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.4000e-004	7.0000e-005	7.9500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0170	0.0170	4.0000e-005		0.0181
Total	**1.7365**	**7.0000e-005**	**7.9500e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**		**0.0170**	**0.0170**	**4.0000e-005**		**0.0181**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

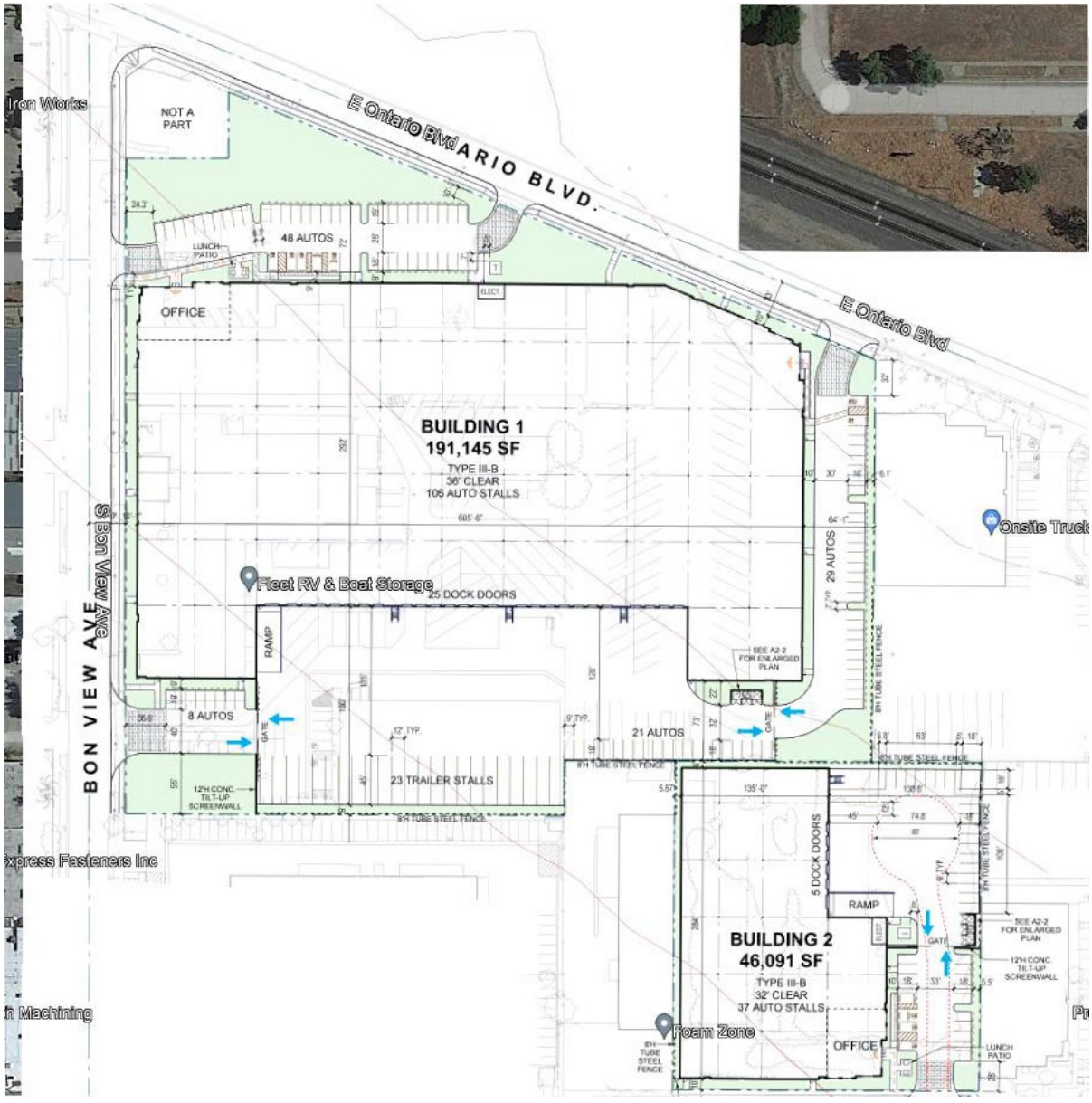
Equipment Type	Number

11.0 Vegetation

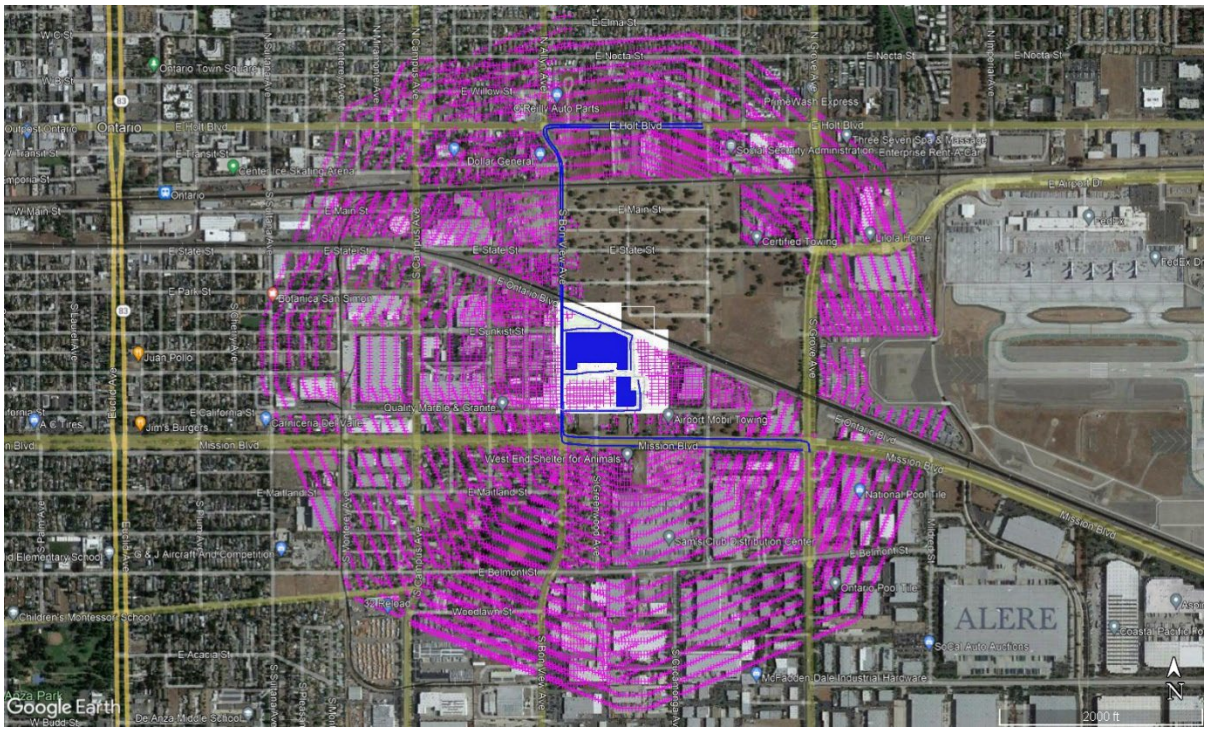
APPENDIX B

HRA ANALYSIS AND DATA OUTPUTS

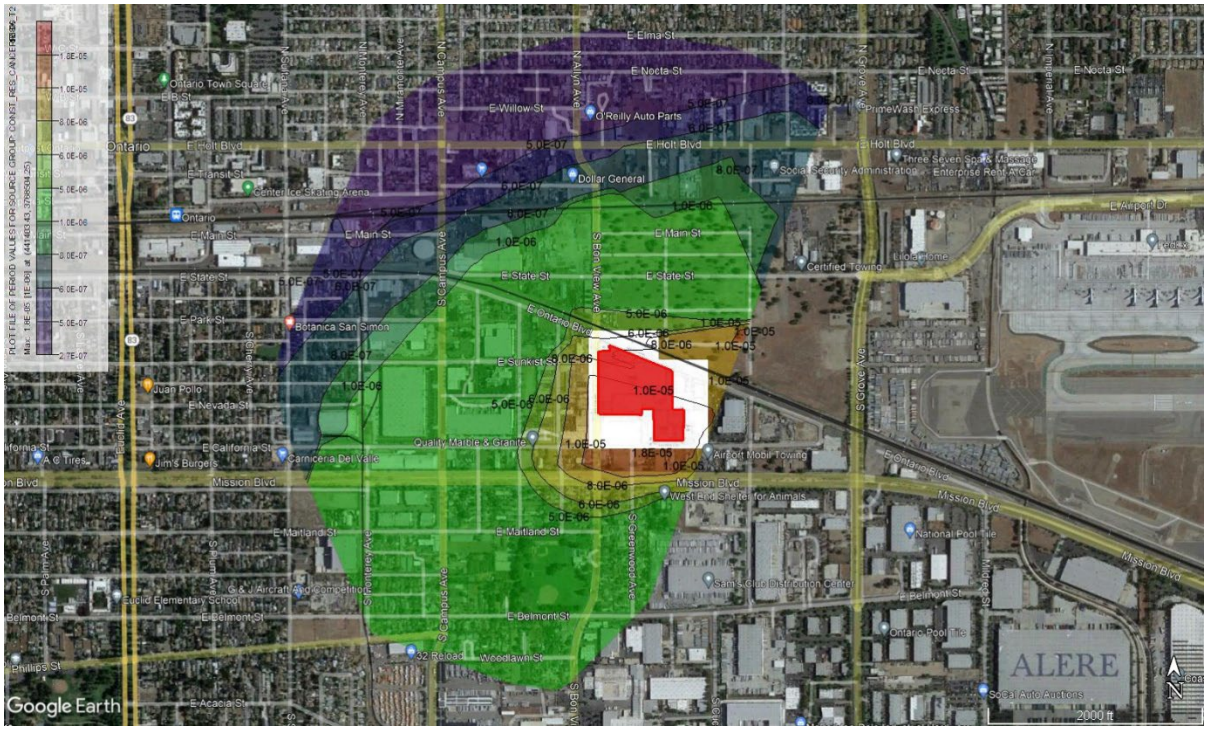
Project Layout



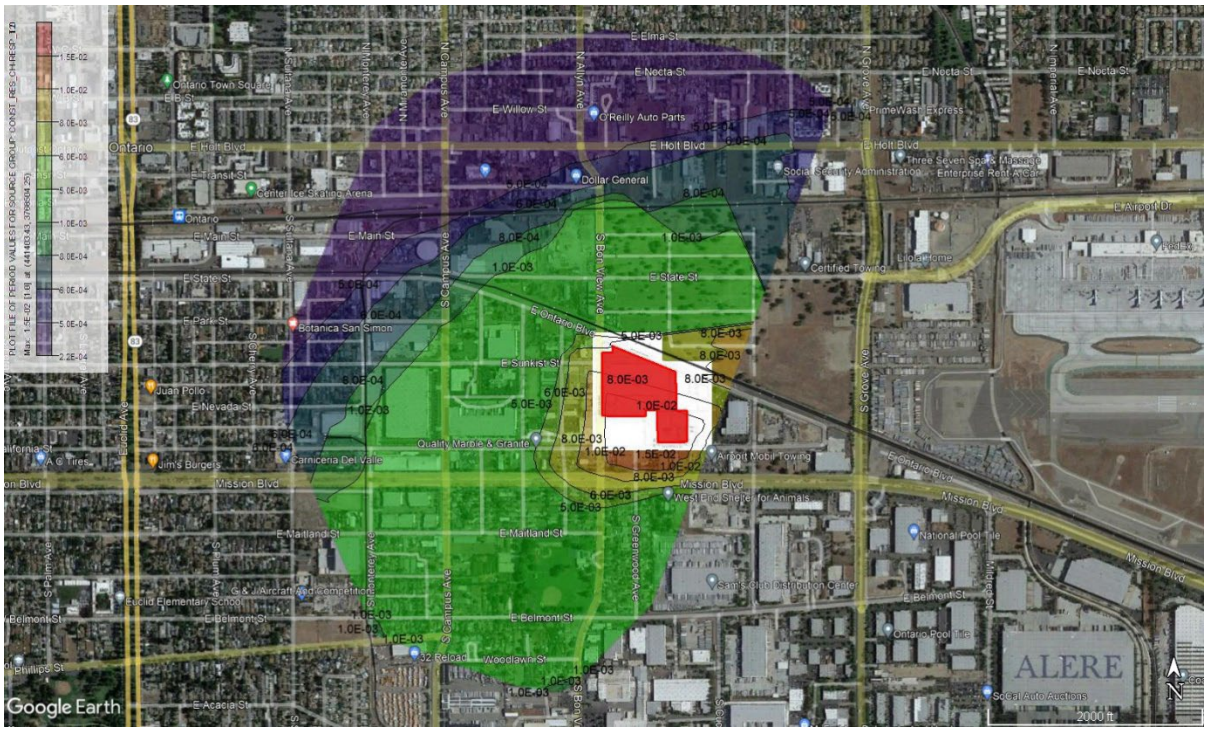
Receptors



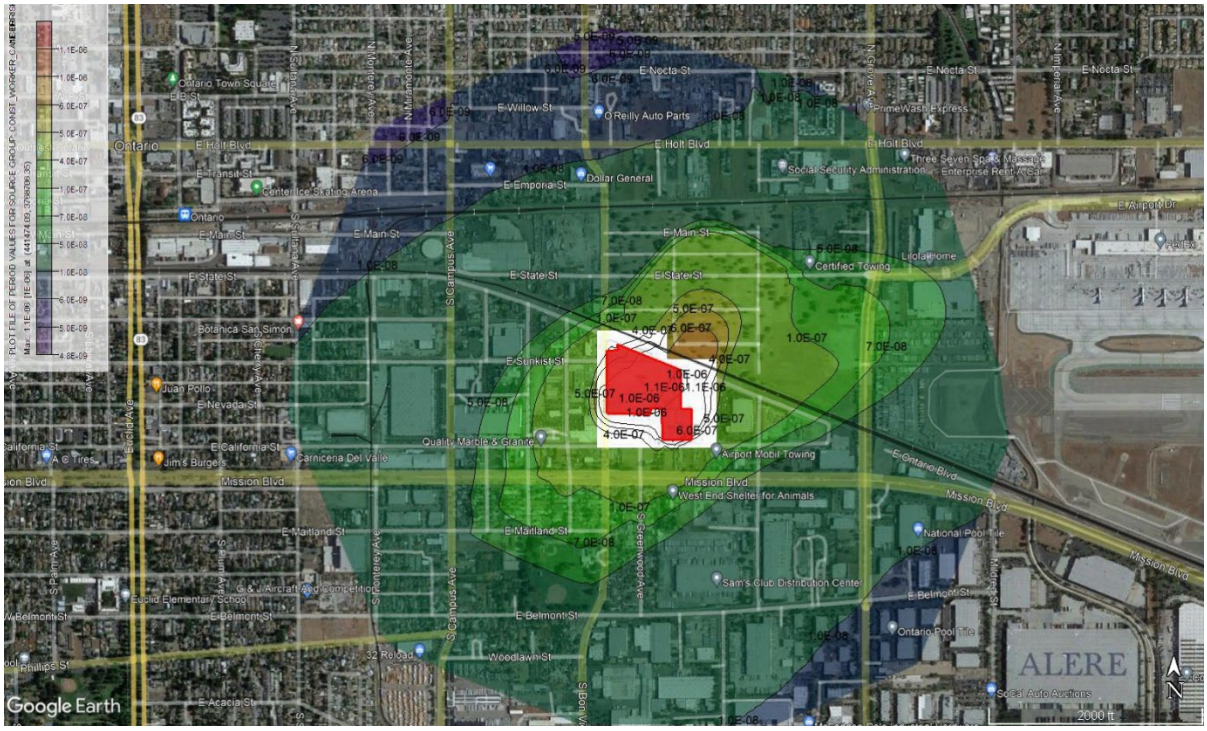
Unmitigated Construction Cancer Risk – Sensitive Receptors



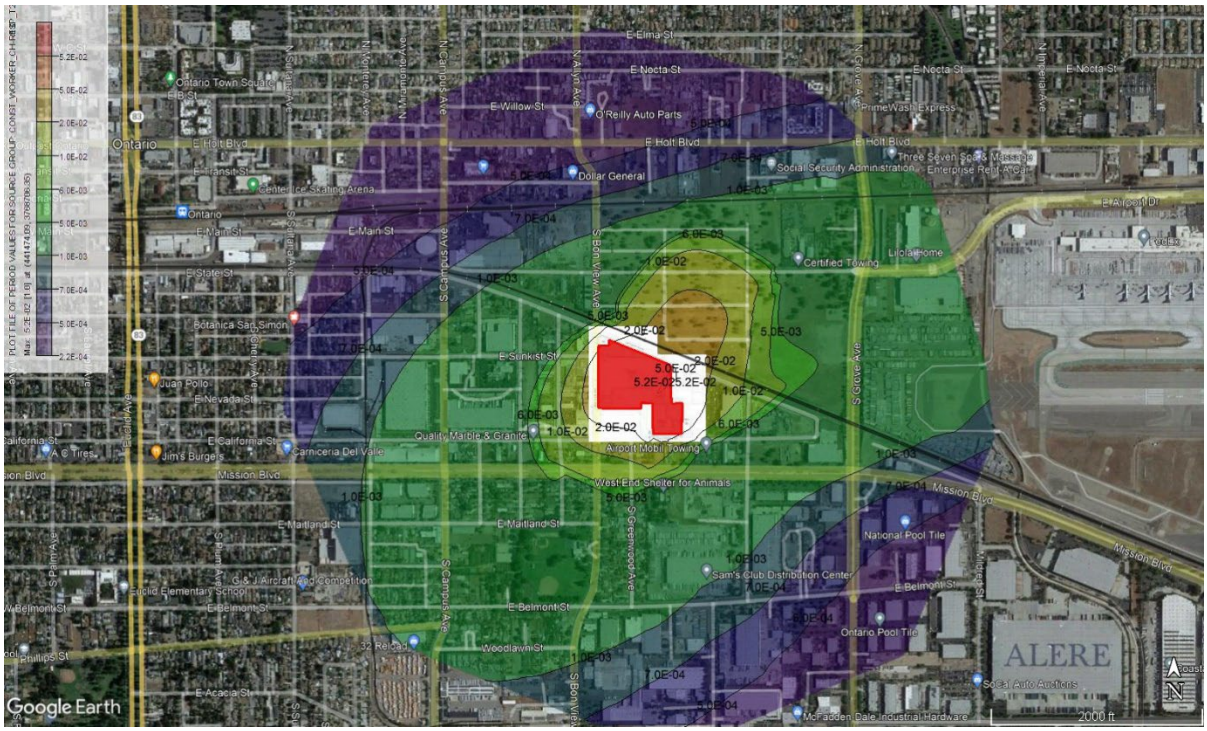
Unmitigated Construction Chronic Hazard Index – Sensitive Receptors



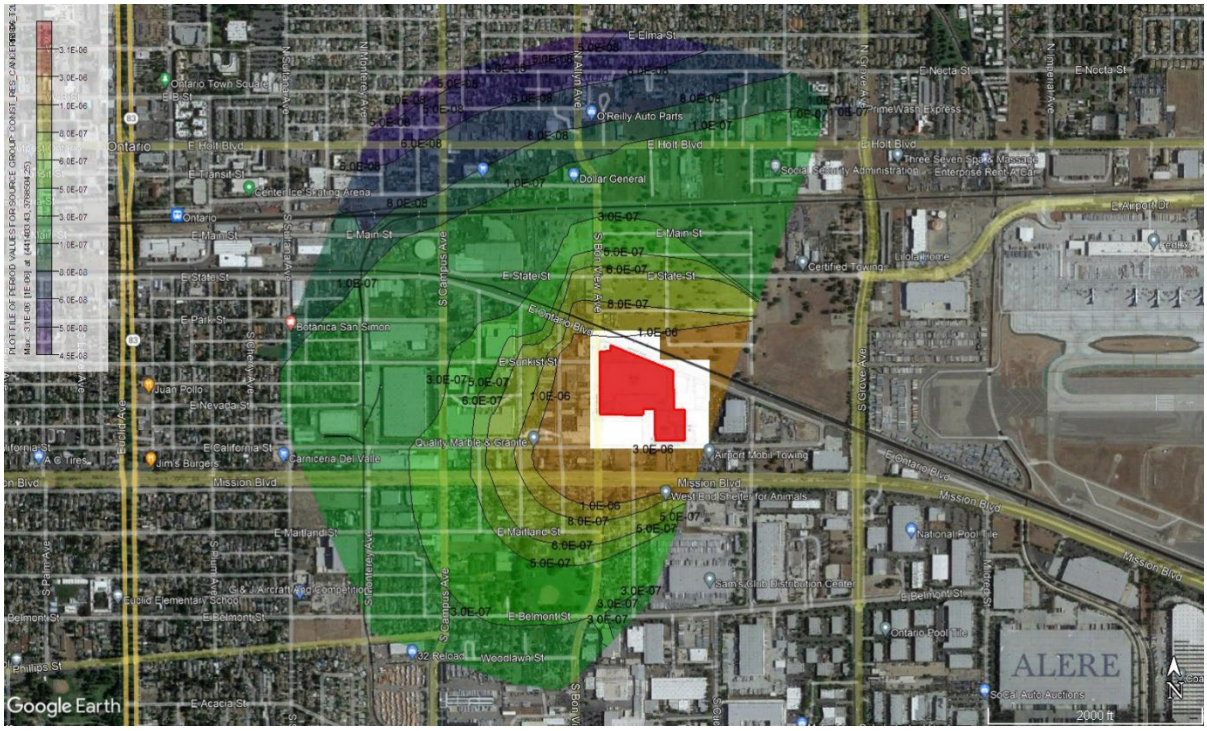
Unmitigated Construction Cancer Risk – Worker Receptors



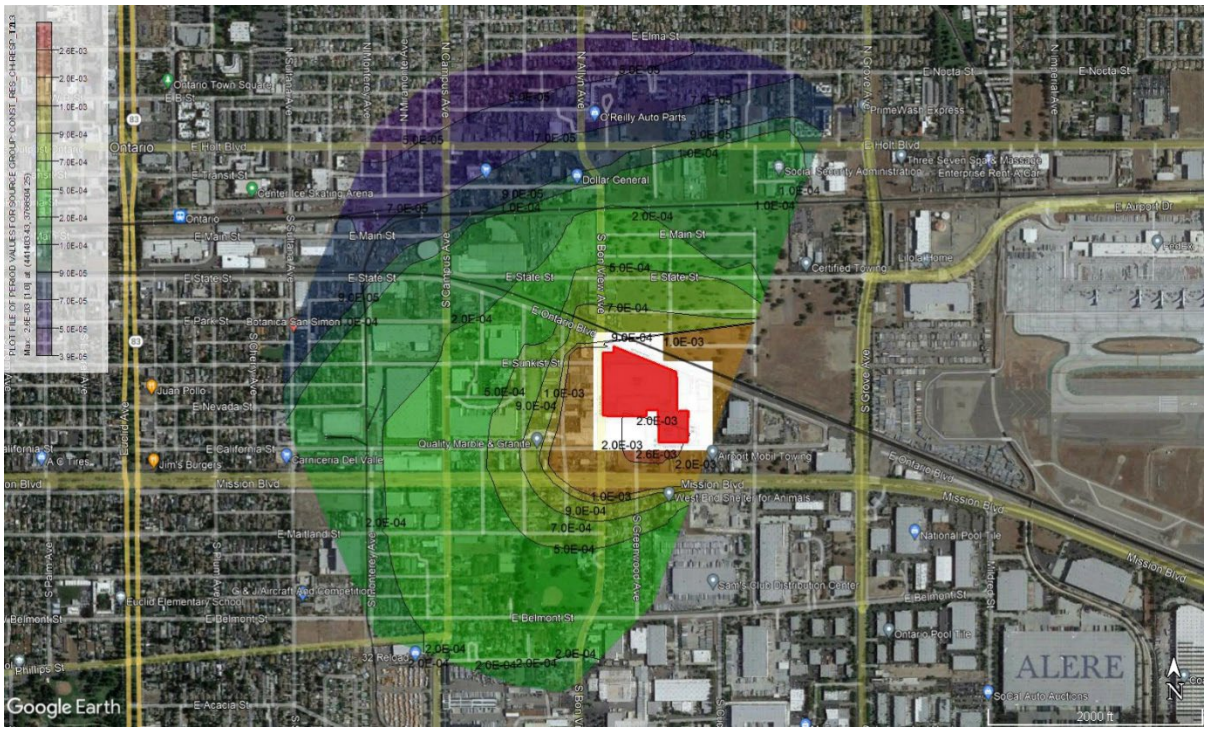
Unmitigated Construction Chronic Hazard Index – Worker Receptors



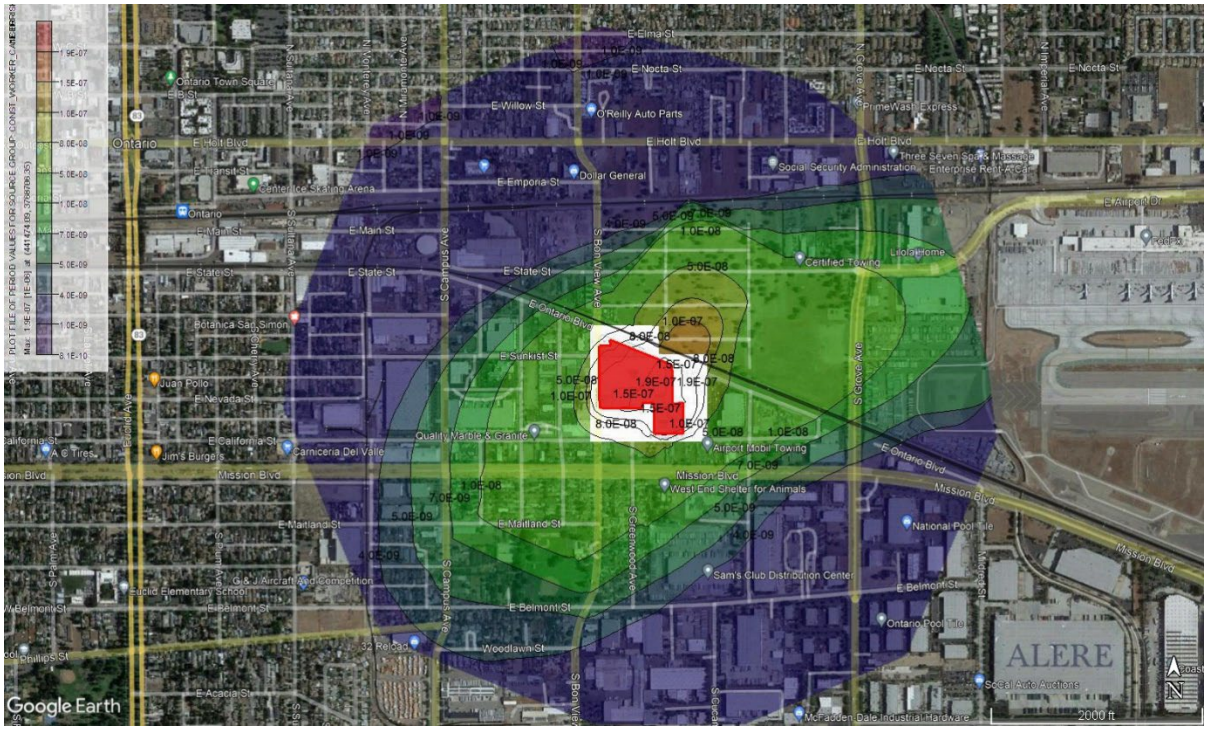
Mitigated Construction Cancer Risk – Sensitive Receptors



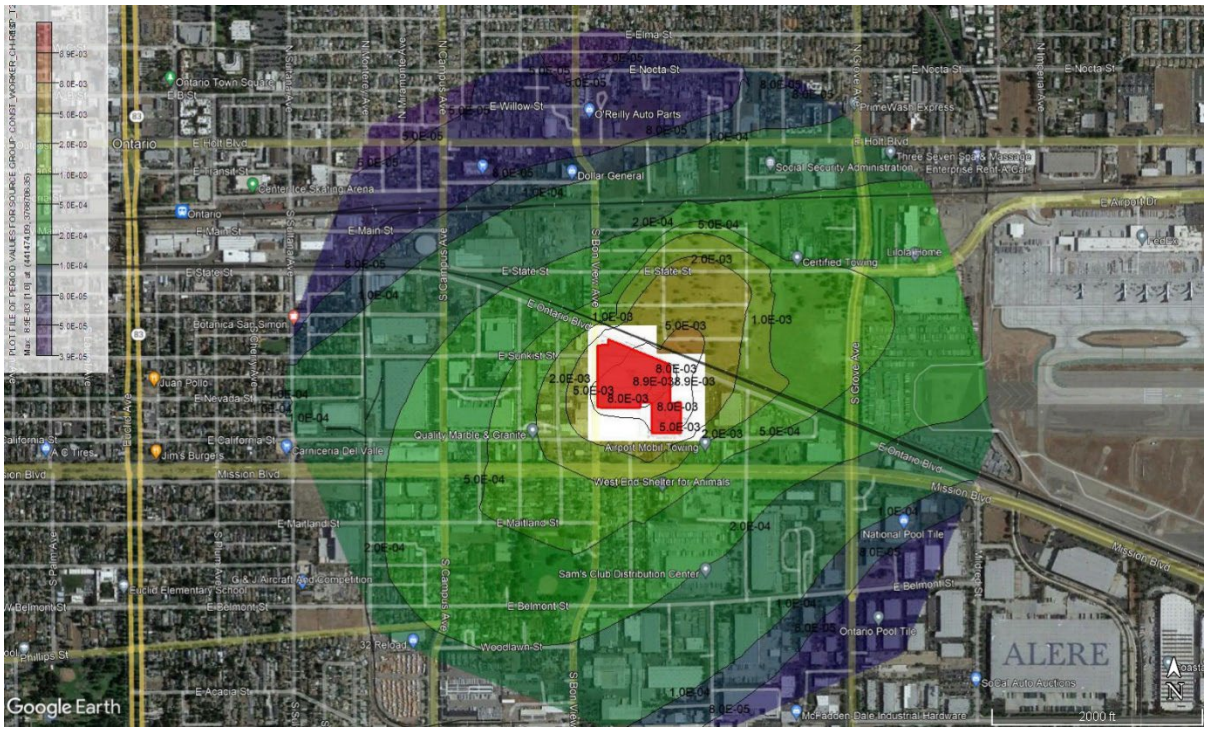
Mitigated Construction Chronic Hazard Index – Sensitive Receptors



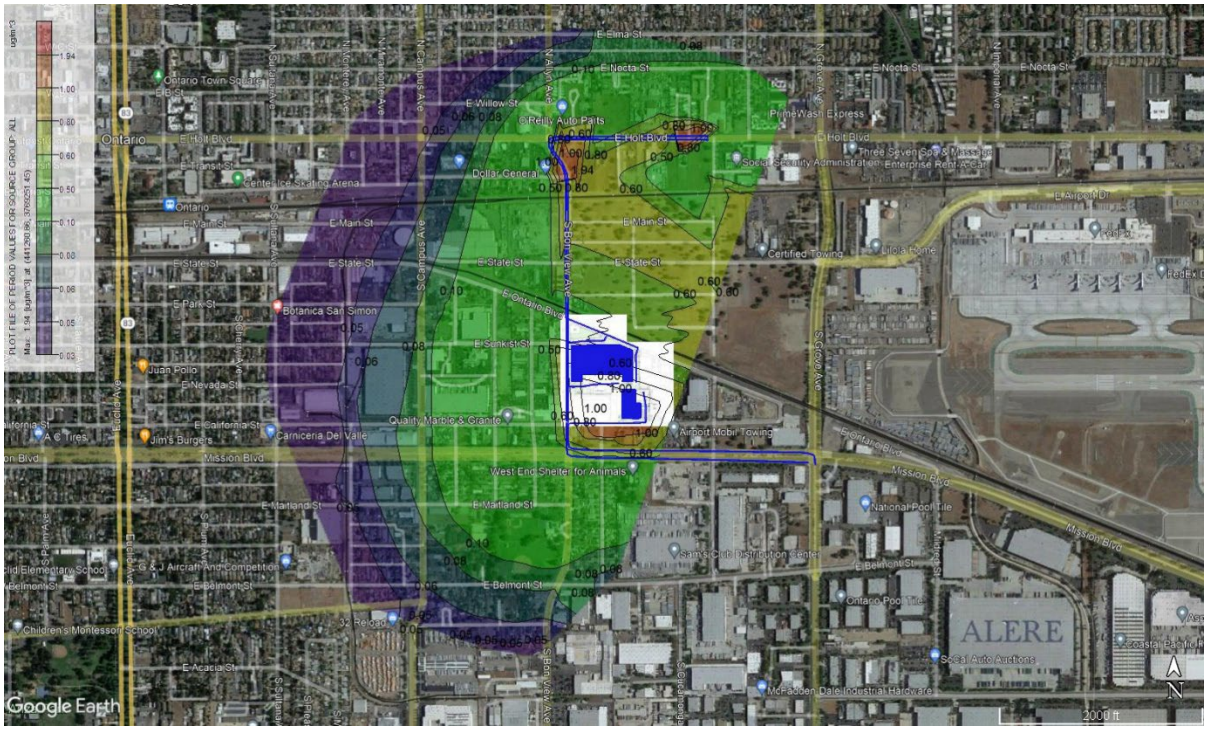
Mitigated Construction Cancer Risk – Worker Receptors



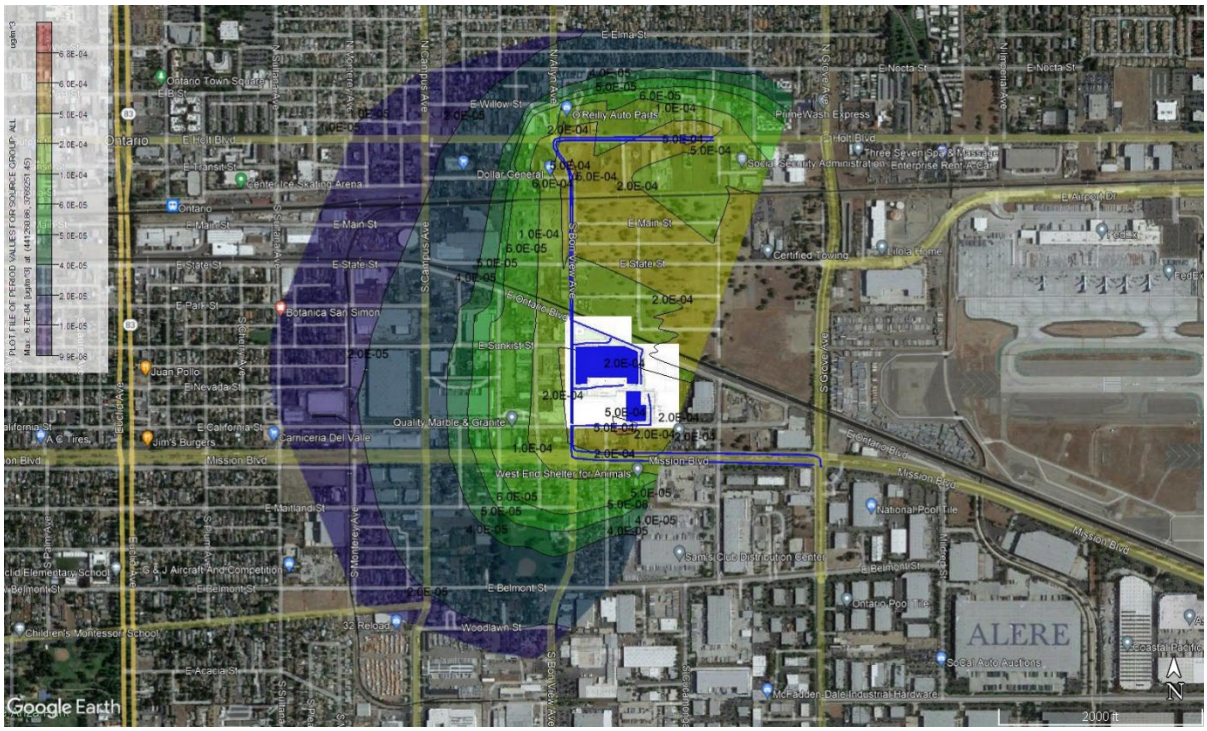
Mitigated Construction Chronic Hazard Index – Worker Receptors



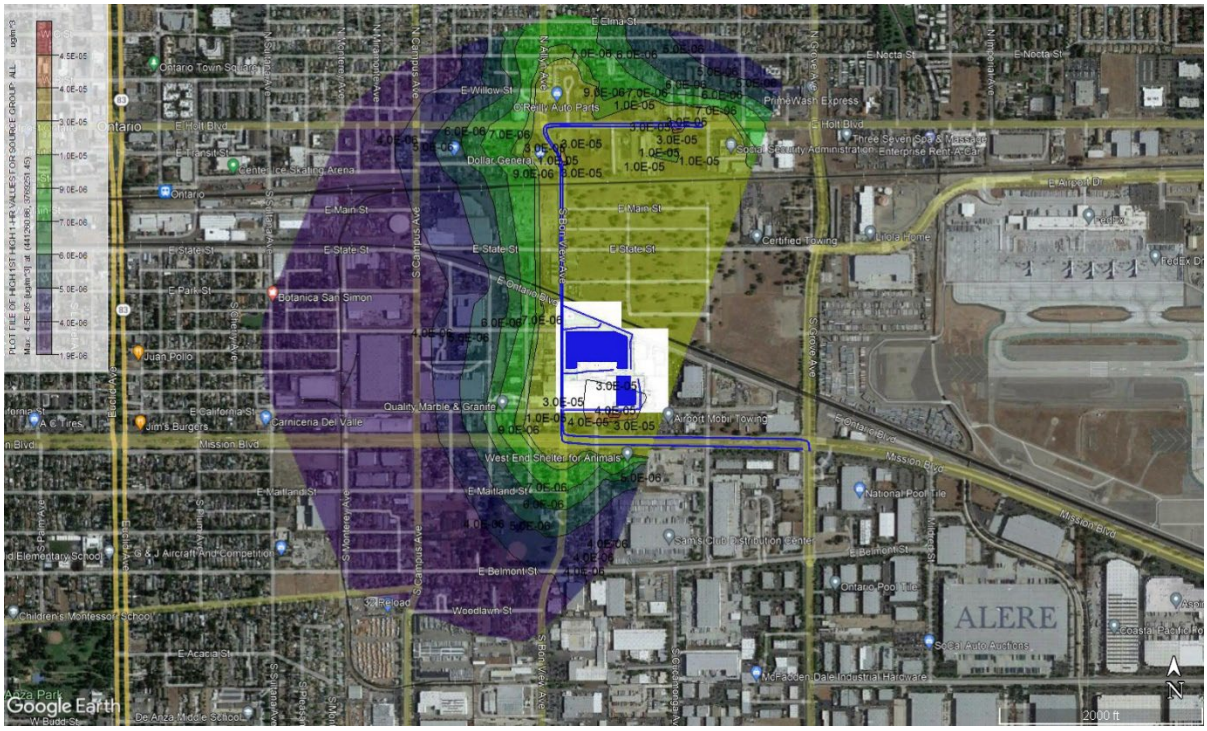
Operational Cancer Risk – Sensitive Receptors



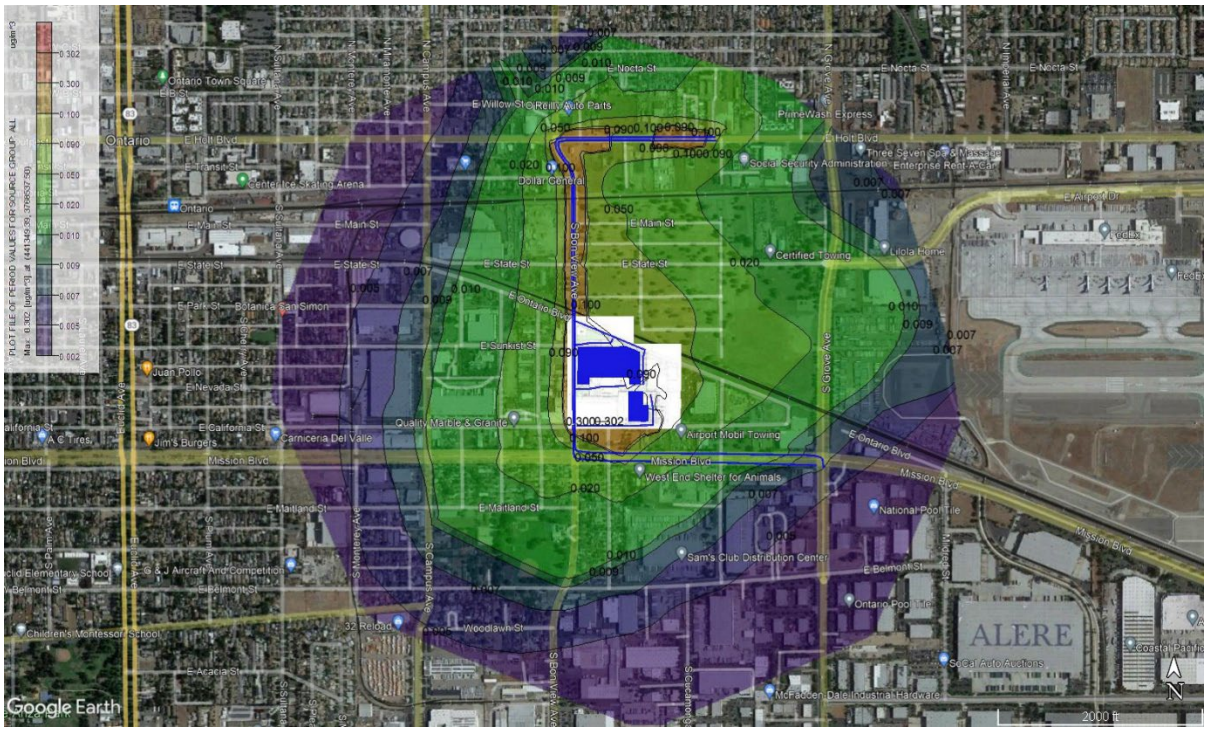
Operational Chronic Hazard Index – Sensitive Receptors



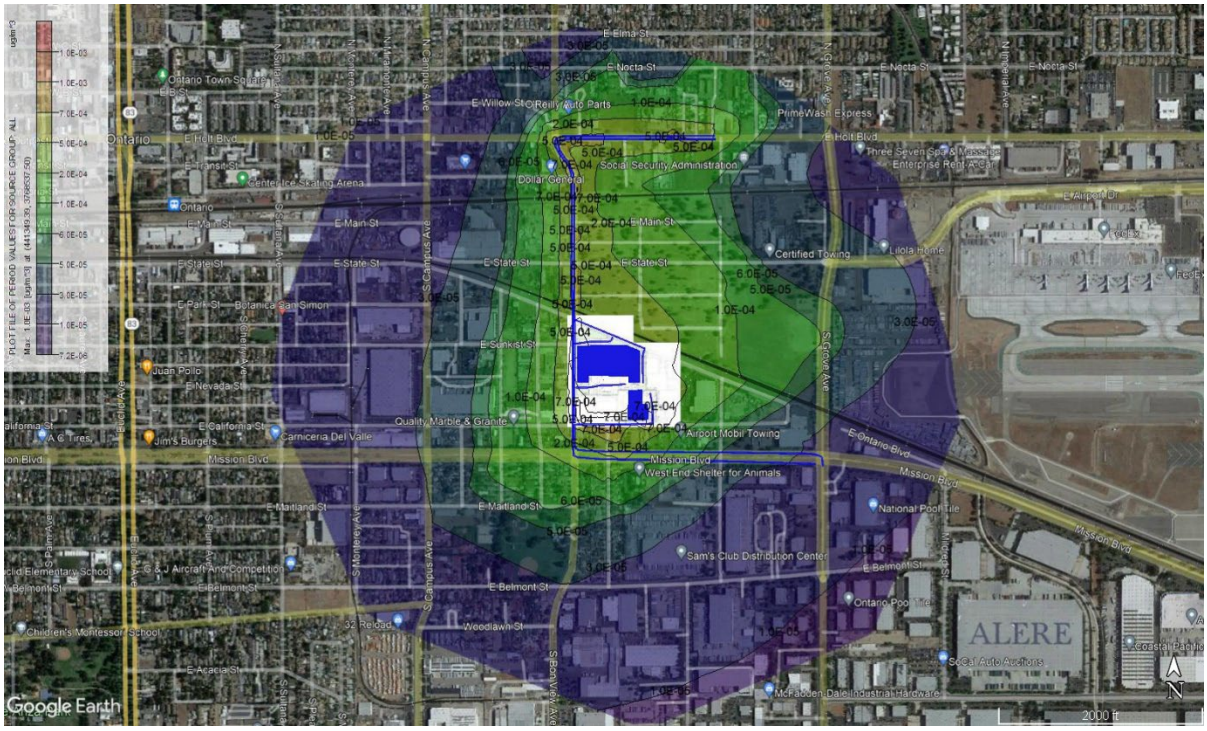
Operational Acute Hazard Index – Sensitive Receptors



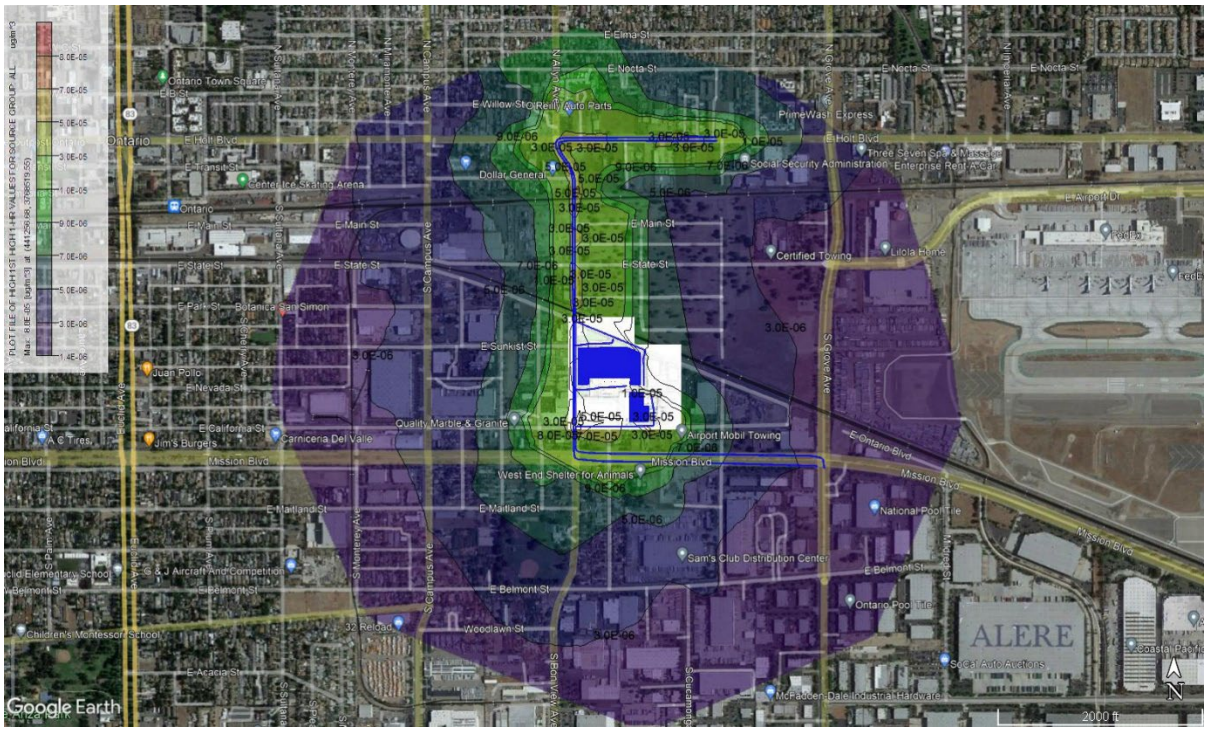
Operational Cancer Risk – Worker Receptors



Operational Chronic Hazard Index – Worker Receptors



Operational Acute Hazard Index – Worker Receptors



Construction	Worker Receptor	Sensitive Receptor
Cancer Risk (in a Million)	0.75	14.00
Chronic HI	3.17E-02	1.06E-02
Acute HI	0.0	0.0
PM 2.5	0.170	0.050

Construction (T2)	Worker Receptor	Sensitive Receptor
Cancer Risk (in a Million)	0.97	18.20
Chronic HI	4.61E-02	1.54E-02
Acute HI	0.0	0.0
PM 2.5	0.192	0.009

Construction (T2L3)	Worker Receptor	Sensitive Receptor
Cancer Risk (in a Million)	0.16	3.08
Chronic HI	7.85E-03	2.63E-03
Acute HI	0.0	0.0
PM 2.5	0.032	0.009

Construction (T4)	Worker Receptor	Sensitive Receptor
Cancer Risk (in a Million)	0.07	1.28
Chronic HI	3.15E-03	1.05E-03
Acute HI	0.0	0.0
PM 2.5	0.014	0.004

Operational	Worker Receptor	Sensitive Receptor
30Yr Cancer Risk (in a Million)	---	1.94
70Yr Cancer Risk (in a Million)	---	2.26
25Yr Cancer Risk (in a Million)	0.30	---
Chronic HI	1.00E-03	6.73E-04
Acute HI	7.98E-05	4.46E-05
PM 2.5	0.0049	0.0032

PM 10				
Tons/Yr	UM	T2	T2L3	T4
Year 1	0.0566	0.0638	0.0107	4.68E-03
Year 2	0.069	0.1003	0.0171	6.85E-03
Year 3	0	0	0	0

PM 2.5				
Tons/Yr	UM	T2	T2L3	T4
Year 1	0.0529	0.0637	0.0106	4.60E-03
Year 2	0.0651	0.1001	0.0169	6.71E-03
Year 3	0	0	0	0

PM 10				
Lbs /Yr	UM	T2	T2L3	T4
Year 1	113.2	127.6	21.4	9.36
Year 2	138	200.6	34.2	13.7
Year 3	0	0	0	0

PM 2.5				
Lbs /Yr	UM	T2	T2L3	T4
Year 1	105.8	127.4	21.2	9.2
Year 2	130.2	200.2	33.8	13.42
Year 3	0	0	0	0

PM 10				
% Chng	UM	M	T2L3	T4
Year 1	100%	113%	19%	8%
Year 2	100%	145%	25%	10%
Year 3	0%	0%	0%	0%

PM 2.5				
g/sec	UM	T2	T2L3	T4
Year 1	0.001522	0.001832	0.000305	0.000132
Year 2	0.001873	0.00288	0.000486	0.000193
Year 3	0	0	0	0

			UnMitigated				T2				T2L3				T4			
						1.40E-05				1.82E-05				3.08E-06				1.28E-06
			Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	441773.55	3769395.36	2.60E-07	2.93E-07	0.00E+00	5.53E-07	2.93E-07	4.26E-07	0.00E+00	7.19E-07	4.92E-08	7.26E-08	0.00E+00	1.22E-07	2.15E-08	2.91E-08	0.00E+00	5.06E-08
2	441766.02	3769401.46	2.55E-07	2.87E-07	0.00E+00	5.42E-07	2.88E-07	4.18E-07	0.00E+00	7.05E-07	4.82E-08	7.12E-08	0.00E+00	1.19E-07	2.11E-08	2.85E-08	0.00E+00	4.96E-08
3	441758.5	3769407.56	2.50E-07	2.82E-07	0.00E+00	5.32E-07	2.82E-07	4.09E-07	0.00E+00	6.91E-07	4.73E-08	6.98E-08	0.00E+00	1.17E-07	2.07E-08	2.80E-08	0.00E+00	4.86E-08
4	441750.97	3769413.66	2.45E-07	2.76E-07	0.00E+00	5.21E-07	2.76E-07	4.01E-07	0.00E+00	6.78E-07	4.63E-08	6.84E-08	0.00E+00	1.15E-07	2.03E-08	2.74E-08	0.00E+00	4.77E-08
5	441773.47	3769444.73	2.24E-07	2.52E-07	0.00E+00	4.76E-07	2.52E-07	3.66E-07	0.00E+00	6.19E-07	4.23E-08	6.25E-08	0.00E+00	1.05E-07	1.85E-08	2.50E-08	0.00E+00	4.35E-08
6	441766.05	3769450.75	2.20E-07	2.48E-07	0.00E+00	4.68E-07	2.48E-07	3.60E-07	0.00E+00	6.08E-07	4.16E-08	6.14E-08	0.00E+00	1.03E-07	1.82E-08	2.46E-08	0.00E+00	4.28E-08
7	441811.24	3769463.43	2.15E-07	2.42E-07	0.00E+00	4.57E-07	2.42E-07	3.51E-07	0.00E+00	5.93E-07	4.06E-08	5.99E-08	0.00E+00	1.01E-07	1.78E-08	2.40E-08	0.00E+00	4.18E-08
8	441803.75	3769469.5	2.11E-07	2.38E-07	0.00E+00	4.49E-07	2.38E-07	3.46E-07	0.00E+00	5.84E-07	3.99E-08	5.89E-08	0.00E+00	9.88E-08	1.75E-08	2.36E-08	0.00E+00	4.11E-08
9	441796.26	3769475.57	2.08E-07	2.34E-07	0.00E+00	4.41E-07	2.34E-07	3.40E-07	0.00E+00	5.74E-07	3.92E-08	5.79E-08	0.00E+00	9.71E-08	1.72E-08	2.32E-08	0.00E+00	4.04E-08
10	441826.7	3769500.21	1.98E-07	2.23E-07	0.00E+00	4.21E-07	2.23E-07	3.24E-07	0.00E+00	5.47E-07	3.74E-08	5.52E-08	0.00E+00	9.26E-08	1.64E-08	2.21E-08	0.00E+00	3.85E-08
11	441819.15	3769506.32	1.94E-07	2.18E-07	0.00E+00	4.12E-07	2.19E-07	3.17E-07	0.00E+00	5.36E-07	3.67E-08	5.41E-08	0.00E+00	9.08E-08	1.60E-08	2.17E-08	0.00E+00	3.77E-08
12	441811.61	3769512.44	1.90E-07	2.14E-07	0.00E+00	4.04E-07	2.14E-07	3.11E-07	0.00E+00	5.26E-07	3.60E-08	5.31E-08	0.00E+00	8.91E-08	1.57E-08	2.13E-08	0.00E+00	3.70E-08
13	441804.06	3769518.56	1.87E-07	2.11E-07	0.00E+00	3.97E-07	2.11E-07	3.06E-07	0.00E+00	5.17E-07	3.53E-08	5.22E-08	0.00E+00	8.75E-08	1.55E-08	2.09E-08	0.00E+00	3.64E-08
14	441908.55	3769483.16	2.19E-07	2.46E-07	0.00E+00	4.65E-07	2.47E-07	3.58E-07	0.00E+00	6.05E-07	4.14E-08	6.11E-08	0.00E+00	1.02E-07	1.81E-08	2.45E-08	0.00E+00	4.25E-08
15	441826.52	3769549.66	1.76E-07	1.98E-07	0.00E+00	3.74E-07	1.98E-07	2.88E-07	0.00E+00	4.86E-07	3.32E-08	4.90E-08	0.00E+00	8.23E-08	1.45E-08	1.96E-08	0.00E+00	3.42E-08
16	441819.06	3769555.71	1.73E-07	1.94E-07	0.00E+00	3.67E-07	1.95E-07	2.83E-07	0.00E+00	4.77E-07	3.26E-08	4.82E-08	0.00E+00	8.08E-08	1.43E-08	1.93E-08	0.00E+00	3.36E-08
17	441580.93	3769286.81	3.14E-07	3.54E-07	0.00E+00	6.68E-07	3.54E-07	5.14E-07	0.00E+00	8.69E-07	5.94E-08	8.77E-08	0.00E+00	1.47E-07	2.60E-08	3.51E-08	0.00E+00	6.11E-08
18	441607.7	3769315.78	2.98E-07	3.36E-07	0.00E+00	6.34E-07	3.36E-07	4.88E-07	0.00E+00	8.24E-07	5.64E-08	8.32E-08	0.00E+00	1.40E-07	2.47E-08	3.33E-08	0.00E+00	5.80E-08
19	441598.64	3769319.41	2.93E-07	3.30E-07	0.00E+00	6.22E-07	3.30E-07	4.79E-07	0.00E+00	8.09E-07	5.53E-08	8.17E-08	0.00E+00	1.37E-07	2.42E-08	3.27E-08	0.00E+00	5.69E-08
20	441589.57	3769323.04	2.83E-07	3.18E-07	0.00E+00	6.01E-07	3.19E-07	4.63E-07	0.00E+00	7.82E-07	5.35E-08	7.89E-08	0.00E+00	1.32E-07	2.34E-08	3.16E-08	0.00E+00	5.50E-08
21	441580.51	3769326.67	2.77E-07	3.11E-07	0.00E+00	5.88E-07	3.12E-07	4.53E-07	0.00E+00	7.64E-07	5.23E-08	7.72E-08	0.00E+00	1.29E-07	2.29E-08	3.09E-08	0.00E+00	5.38E-08
22	441607.33	3769355.62	2.64E-07	2.97E-07	0.00E+00	5.61E-07	2.98E-07	4.32E-07	0.00E+00	7.30E-07	4.99E-08	7.37E-08	0.00E+00	1.24E-07	2.18E-08	2.95E-08	0.00E+00	5.14E-08
23	441634.28	3769384.52	2.44E-07	2.75E-07	0.00E+00	5.19E-07	2.75E-07	4.00E-07	0.00E+00	6.75E-07	4.62E-08	6.81E-08	0.00E+00	1.14E-07	2.02E-08	2.73E-08	0.00E+00	4.75E-08
24	441625.16	3769388.17	2.40E-07	2.71E-07	0.00E+00	5.11E-07	2.71E-07	3.93E-07	0.00E+00	6.64E-07	4.54E-08	6.71E-08	0.00E+00	1.12E-07	1.99E-08	2.69E-08	0.00E+00	4.67E-08
25	441616.05	3769391.82	2.37E-07	2.66E-07	0.00E+00	5.03E-07	2.67E-07	3.87E-07	0.00E+00	6.54E-07	4.47E-08	6.60E-08	0.00E+00	1.11E-07	1.96E-08	2.64E-08	0.00E+00	4.60E-08
26	441606.93	3769395.47	2.33E-07	2.62E-07	0.00E+00	4.95E-07	2.63E-07	3.81E-07	0.00E+00	6.44E-07	4.40E-08	6.50E-08	0.00E+00	1.09E-07	1.93E-08	2.60E-08	0.00E+00	4.53E-08
27	441597.82	3769399.12	2.32E-07	2.61E-07	0.00E+00	4.92E-07	2.61E-07	3.79E-07	0.00E+00	6.40E-07	4.38E-08	6.46E-08	0.00E+00	1.08E-07	1.92E-08	2.59E-08	0.00E+00	4.50E-08
28	441588.7	3769402.77	2.25E-07	2.54E-07	0.00E+00	4.79E-07	2.54E-07	3.69E-07	0.00E+00	6.22E-07	4.26E-08	6.28E-08	0.00E+00	1.05E-07	1.86E-08	2.52E-08	0.00E+00	4.38E-08
29	441579.59	3769406.42	2.21E-07	2.49E-07	0.00E+00	4.70E-07	2.49E-07	3.62E-07	0.00E+00	6.11E-07	4.18E-08	6.17E-08	0.00E+00	1.04E-07	1.83E-08	2.47E-08	0.00E+00	4.30E-08
30	441570.47	3769410.07	2.17E-07	2.45E-07	0.00E+00	4.62E-07	2.45E-07	3.56E-07	0.00E+00	6.01E-07	4.11E-08	6.06E-08	0.00E+00	1.02E-07	1.80E-08	2.43E-08	0.00E+00	4.23E-08
31	441561.36	3769413.72	2.13E-07	2.40E-07	0.00E+00	4.53E-07	2.40E-07	3.49E-07	0.00E+00	5.90E-07	4.03E-08	5.95E-08	0.00E+00	9.98E-08	1.76E-08	2.38E-08	0.00E+00	4.15E-08
32	441725.29	3769387.76	2.60E-07	2.92E-07	0.00E+00	5.52E-07	2.93E-07	4.25E-07	0.00E+00	7.18E-07	4.91E-08	7.24E-08	0.00E+00	1.22E-07	2.15E-08	2.90E-08	0.00E+00	5.05E-08
33	441716.16	3769391.42	2.56E-07	2.88E-07	0.00E+00	5.44E-07	2.88E-07	4.18E-07	0.00E+00	7.07E-07	4.83E-08	7.13E-08	0.00E+00	1.20E-07	2.11E-08	2.86E-08	0.00E+00	4.97E-08
34	441707.02	3769395.08	2.52E-07	2.83E-07	0.00E+00	5.35E-07	2.84E-07	4.12E-07	0.00E+00	6.96E-07	4.76E-08	7.02E-08	0.00E+00	1.18E-07	2.08E-08	2.81E-08	0.00E+00	4.90E-08
35	441697.88	3769398.74	2.48E-07	2.79E-07	0.00E+00	5.27E-07	2.79E-07	4.06E-07	0.00E+00	6.85E-07	4.69E-08	6.92E-08	0.00E+00	1.16E-07	2.05E-08	2.77E-08	0.00E+00	4.82E-08
36	441688.74	3769402.4	2.44E-07	2.75E-07	0.00E+00	5.19E-07	2.75E-07	3.99E-07	0.00E+00	6.74E-07	4.61E-08	6.81E-08	0.00E+00	1.14E-07	2.02E-08	2.73E-08	0.00E+00	4.74E-08
37	441679.6	3769406.06	2.40E-07	2.70E-07	0.00E+00	5.11E-07	2.71E-07	3.93E-07	0.00E+00	6.64E-07	4.54E-08	6.70E-08	0.00E+00	1.12E-07	1.99E-08	2.68E-08	0.00E+00	4.67E-08
38	441670.47	3769409.72	2.34E-07	2.63E-07	0.00E+00	4.97E-07	2.63E-07	3.82E-07	0.00E+00	6.46E-07	4.42E-08	6.52E-08	0.00E+00	1.09E-07	1.93E-08	2.61E-08	0.00E+00	4.54E-08
39	441661.33	3769413.38	2.30E-07	2.59E-07	0.00E+00	4.89E-07	2.59E-07	3.76E-07	0.00E+00	6.35E-07	4.35E-08	6.41E-08	0.00E+00	1.08E-07	1.90E-08	2.57E-08	0.00E+00	4.47E-08
40	441652.19	3769417.04	2.26E-07	2.55E-07	0.00E+00	4.81E-07	2.55E-07	3.71E-07	0.00E+00	6.26E-07	4.28E-08	6.32E-08	0.00E+00	1.06E-07	1.87E-08	2.53E-08	0.00E+00	4.40E-08
41	441643.05	3769420.7	2.23E-07	2.51E-07	0.00E+00	4.74E-07	2.51E-07	3.65E-07	0.00E+00	6.17E-07	4.22E-08	6.22E-08	0.00E+00	1.04E-07	1.84E-08	2.49E-08	0.00E+00	4.34E-08
42	441633.92	3769424.36	2.20E-07	2.47E-07	0.00E+00	4.67E-07	2.48E-07	3.60E-07	0.00E+00	6.08E-07	4.16E-08	6.13E-08	0.00E+00	1.03E-07	1.82E-08	2.46E-08	0.00E+00	4.27E-08
43	441624.78	3769428.02	2.19E-07	2.46E-07	0.00E+00	4.65E-07	2.47E-07	3.58E-07	0.00E+00	6.05E-07	4.14E-08	6.10E-08	0.00E+00	1.02E-07	1.81E-08	2.44E-08	0.00E+00	4.25E-08
44	441615.64	3769431.68	2.15E-07	2.42E-07	0.00E+00	4.58E-07	2.43E-07	3.52E-07	0.00E+00	5.95E-07	4.07E-08	6.01E-08	0.00E+00	1.01E-07	1.78E-08	2.41E-08	0.00E+00	4.19E-08
45	441606.5	3769435.34	2.12E-07	2.39E-07	0.00E+00	4.51E-07	2.39E-07	3.47E-07	0.00E+00	5.86E-07	4.01E-08	5.91E-08	0.00E+00	9.92E-08	1.75E-08	2.37E-08	0.00E+00	4.12E-08
46	441597.36	3769439	2.09E-07	2.35E-07	0.00E+00	4.43E-07	2.35E-07	3.41E-07	0.00E+00	5.76E-07	3.94E-08	5.82E-08	0.00E+00	9.76E-08	1.72E-08	2.33E-08	0.00E+00	4.06E-08
47	441588.23	3769442.65	2.03E-07	2.29E-07	0.00E+00	4.32E-07	2.29E-07	3.32E-07	0.00E+00	5.61E-07	3.84E-08	5.66E-08	0.00E+00	9.50E-08	1.68E-08	2.27E-08	0.00E+00	3.95E-08
48	441579.09	3769446.31	1.99E-07	2.25E-07	0.00E+00	4.24E-07	2.25E-07	3.26E-07	0.00E+00	5.51E-07	3.77E-08	5.56E-08	0.00E+00	9.34E-08	1.65E-08	2.23E-08	0.00E+00	3.88E-08
49	441569.95	3769449.97	1.96E-07	2.21E-07	0.00E+00	4.17E-07	2.21E-07	3.21E-07	0.00E+00	5.42E-07	3.70E-08	5.47E-08	0.00E+00	9.17E-08	1.62E-08	2.19E-08	0.00E+00	3.81E-08
50	441560.81	3769453.63	1.93E-07	2.17E-07	0.00E+00	4.09E-07	2.17E-07	3.15E-07	0.00E+00	5.32E-07	3.64E-08	5.37E-08	0.00E+00	9.01E-08	1.59E-08	2.15E-08	0.00E+00	3.74E-08
51	441775.86	3769407.2	2.52E-07	2.84E-07	0.00E+00	5.36E-07	2.84E-07	4.13E-07	0.00E+00	6.97E-07	4.77E-08	7.04E-08	0.00E+00	1.18E-07	2.09E-08	2.82E-08	0.00E+00	4.91E-08
52	441739.74	3769421.67	2.38E-07	2.68E-07	0.00E+00	5.07E-07	2.69E-07	3.90E-07	0.00E+00	6.59E-07	4.51E-08	6.65E-08	0.00E+00	1.12E-07	1.97E-08	2.67E-08	0.00E+00	4.64E-08
53	441730.7	3769425.29	2.35E-07	2.65E-07	0.00E+00	4.99E-07	2.65E-07	3.85E-07	0.00E+00	6.49E-07	4.44E-08	6.56E-08	0.00E+00	1.10E-07	1.94E-08	2.63E-08	0.00E+00	4.57E-08
54	441721.67	3769428.91	2.31E-07	2.61E-07	0.00E+00	4.92E-07	2.61E-07	3.79E-07	0.00E+00	6.40E-07	4.38E-08	6.46E-08	0.00E+00	1.08E-07	1.91E-08	2.59E-08	0.00E+00	4.50E-08
55	441712.64	3769432.52	2.25E-07	2.53E-07	0.00E+00	4.79E-07	2.54E-07	3.68E-07	0.00E+00	6.22E-07	4.26E-08	6.28E-08	0.00E+00	1.05E-07	1.86E-08	2.52E-08	0.00E+00	4.38E-08
56	441703.61	3769436.14	2.22E-07	2.49E-07	0.00E+00	4.71E-07	2.50E-07	3.63E-07	0.00E+00	6.12E-07	4.19E-08	6.18E-08	0.00E+00	1.04E-07	1.83E-08	2.48E-08	0.00E+00	4.31E-08
57	441694.58	3769439.76	2.18E-07	2.45E-07	0.00E+00	4.63E-07	2.46E-07	3.57E-07	0.00E+00	6.03E-07	4.12E-08	6.08E-08	0.00E+00	1.02E-07	1.80E-08	2.44E-08	0.00E+00	4.24E-08
58	441685.55	3769443.37	2.15E-07	2.42E-07	0.00E+00	4.57E-07	2.42E-07	3.52E-07	0.00E+00	5.94E-07	4.06E-08	6.00E-08	0.00E+00	1.01E-07	1.78E-08	2.40E-08	0.00E+00	4.18E-08
59	441676.51	3769446.99	2.12E-07	2.39E-07	0.00E+00	4.51E-07	2.39E-07	3.47E-07	0.00E+00	5.86E-07	4.01E-08	5.92E-08	0.00E+00	9.93E-08	1.75E-08	2.37E-08	0.00E+00	4.12E-08
60	441667.48	3769450.61	2.09E-07	2.36E-07	0.00E+00	4.45E-07	2.36E-07	3.42E-07	0.00E+00	5.78E-07	3.96E-08	5.84E-08	0.00E+00	9.79E-08	1.73E-08	2.34E-08	0.00E+00	4.07E-08
61	441658.45	3769454.22	2.06E-07	2.32E-07	0.00E+00	4.39E-07	2.33E-07	3.38E-07	0.00E+00	5.70E-07	3.90E-08	5.76E-08	0.00E+00	9.66E-08	1.71E-08	2.31E-08	0.00E+00	4.01E-08
62	441649.42	3769457.84	2.03E-07	2.29E-07	0.00E+00	4.33E-07	2.29E-07	3.33E-07	0.00E+00	5.62E-07	3.85E-08	5.68E-08	0.00E+00	9.52E-08	1.68E-08	2.27E-08	0.00E+00	3.96E-08
63	441640.39	3769461.46	2.01E-07	2.26E-07	0.00E+00	4.26E-07	2.26E-07	3.28E-07	0.00E+00	5.54E-07	3.79E-08	5.60E-08	0.00E+00	9.39E-08	1.66E-08	2.24E-08	0.00E+00	3.90E-08
64	441631.36	3769465.07	1.98E-07	2.23E-07	0.00E+00	4.20E-07	2.23E-07	3.24E-07	0.00E+00	5.47E-07	3.74E-08	5.52E-08	0.00E+00	9.26E-08	1.64E-08	2.21E-08	0.00E+00	3.85E-08
65	441622.33	3769468.69	1.95E-07	2.19E-07	0.00E+00	4.14E-07	2.19E-07	3.19E-07	0.00E+00	5.38E-07	3.68E-08	5.43E-08	0.00E+00	9.11E-08	1.61E-08	2.18E-08	0.00E+00	3.79E-08
66	441613.29	3769472.31	1.92E-07	2.16E-07	0.00E+00	4.07E-07	2.16E-07	3.14E-07	0.00E+00	5.30E-07	3.62E-08	5.35E-08	0.00E+00	8.97E-08	1.58E-08	2.14E-08	0.00E+00	3.73E-08
67	441604.26	3769475.92	1.89E-07	2.12E-07	0.00E+00	4.01E-07	2.13E-07	3.09E-07	0.00E+00	5.21E-07	3.56E-08	5.26E-08	0.00E+00	8.82E-08	1.56E-08	2.11E-08	0.00E+00	3.67E-08
68	441595.23	3769479.54	1.85E-07	2.09E-07	0.00E+00	3.94E-07	2.09E-07	3.03E-07	0.00E+00	5.13E-07	3.51E-08	5.17E-08	0.00E+00	8.68E-08	1.53E-08	2.07E-08	0.00E+00	3.61E-08
69	441586.2	3769483.16	1.82E-07	2.05E-07	0.00E+00	3.88E-07	2.06E-07	2.98E-07	0.00E+00	5.04E-07	3.45E-08	5.09E-08	0.00E+00	8.54E-08	1.51E-08	2.04E-08	0.00E+00	3.55E-08
70	441577.17	3769486.78	1.79E-07	2.02E-07	0.00E+00	3.81E-07	2.02E-07	2.94E-07	0.00E+00	4.96E-07	3.39E-08	5.00E-08	0.00E+00	8.40E-08	1.48E-08	2.00E-08	0.00E+00	3.49E-08
71	441568.14	3769490.39	1.76E-07	1.99E-07	0.00E+00	3.75E-07	1.99E-07	2.89E-07	0.00E+00	4.87E-07	3.33E-08	4.92E-08	0.00E+00	8.25E-08	1.46E-08	1.97E-08	0.00E+00	3.43E-08
72	441559.1	3769494.01	1.73E-07	1.95E-07	0.00E+00	3.69E-07	1.95E-07	2.84E-07	0.00E+00	4.79E-07	3.28E-08	4.84E-08	0.00E+00	8.11E-08	1.43E-08	1.94E-08	0.00E+00	3.37E-08
73	441382.84	3768408.92	2.56E-06	2.88E-06	0.00E+00	5.44E-06	2.88E-06	4.18E-06	0.00E+00	7.07E-06	4.83E-07	7.13E-07	0.00E+00	1.20E-06	2.11E-07	2.86E-07	0.00E+00	4.97E-07
74	441391.84	3768405.23	2.45E-06	2.75E-06	0.00E+00	5.20E-06	2.76E-06	4.00E-06	0.00E+00	6.76E-06	4.63E-07	6.83E-07	0.00E+00	1.15E-06	2.02E-07	2.73E-07	0.00E+00	4.76E-07
75	441331.58	3768409.94	2.77E-06	3.12E-06	0.00E+00	5.89E-06	3.12E-06	4.54E-06	0.00E+00	7.66E-06	5.24E-07	7.73E-07	0.00E+00	1.30E-06	2.29E-07	3.10E-07	0.00E+00	5.39E-07
76	441357.69	3768399.25	2.49E-06	2.81E-06	0.00E+00	5.30E-06	2.81E-06	4.08E-06	0.00E+00	6.89E-06	4.71E-07	6.96E-07	0.00E+00	1.17E-06	2.06E-07	2.79E-07	0.00E+00	4.85E-07
77	441366.39	3768395.68	2.40E-06	2.71E-06	0.00E+00	5.11E-06	2.71E-06	3.93E-06	0.00E+00	6.64E-06	4.54E-07	6.71E-07	0.00E+00	1.13E-06	1.99E-07	2.69E-07	0.00E+00	4.67E-07
78	441375.09	3768392.12	2.32E-06	2.61E-06	0.00E+00	4.92E-06	2.61E-06	3.79E-06	0.00E+00	6.40E-06	4.38E-07	6.46E-07	0.00E+00	1.08E-06	1.92E-07	2.59E-07	0.00E+00	4.50E-07
79	441383.8	3768388.55	2.23E-06	2.51E-06	0.00E+00	4.73E-06	2.51E-06	3.64E-06	0.00E+00	6.15E-06	4.21E-07	6.21E-07	0.00E+00	1.04E-06	1.84E-07	2.49E-07	0.00E+00	4.33E-07
80	441392.5	3768384.99	2.13E-06	2.40E-06	0.00E+00	4.54E-06	2.41E-06	3.49E-06	0.00E+00	5.90E-06	4.03E-07	5.95E-07	0.00E+00	9.99E-07	1.76E-07	2.39E-07	0.00E+00	4.15E-07
81	441291.79	3768406.27	2.79E-06	3.14E-06	0.00E+00	5.92E-06	3.14E-06	4.56E-06	0.00E+00	7.70E-06	5.27E-07	7.77E-07	0.00E+00	1.30E-06	2.30E-07	3.11E-07	0.00E+00	5.42E-07
82	441300.88	3768402.55	2.70E-06	3.04E-06	0.00E+00	5.74E-06	3.04E-06	4.42E-06	0.00E+00	7.46E-06	5.10E-07	7.53E-07	0.00E+00	1.26E-06	2.23E-07	3.02E-07	0.00E+00	5.25E-07
83	441309.97	3768398.82	2.62E-06	2.95E-06	0.00E+00	5.57E-06	2.95E-06	4.29E-06	0.00E+00	7.24E-06	4.95E-07	7.31E-07	0.00E+00	1.23E-06	2.17E-07	2.93E-07	0.00E+00	5.10E-07
84	441319.06	3768395.1	2.54E-06	2.86E-06	0.00E+00	5.40E-06	2.86E-06	4.16E-06	0.00E+00	7.02E-06	4.80E-07	7.09E-07	0.00E+00	1.19E-06	2.10E-07	2.84E-07	0.00E+00	4.94E-07
85	441328.15	3768391.37	2.45E-06	2.76E-06	0.00E+00	5.22E-06	2.77E-06	4.02E-06	0.00E+00	6.78E-06	4.64E-07	6.85E-07	0.00E+00	1.15E-06	2.03E-07	2.74E-07	0.00E+00	4.77E-07
86	441355.42	3768380.2	2.21E-06	2.49E-06	0.00E+00	4.70E-06	2.49E-06	3.62E-06	0.00E+00	6.11E-06	4.18E-07	6.17E-07	0.00E+00	1.03E-06	1.83E-07	2.47E-07	0.00E+00	4.30E-07
87	441364.51	3768376.48	2.13E-06	2.40E-06	0.00E+00	4.52E-06	2.40E-06	3.48E-06	0.00E+00	5.88E-06	4.02E-07	5.94E-07	0.00E+00	9.96E-07	1.76E-07	2.38E-07	0.00E+00	4.14E-07
88	441373.6	3768372.76	2.05E-06	2.30E-06	0.00E+00	4.35E-06	2.31E-06	3.35E-06	0.00E+00	5.66E-06	3.87E-07	5.71E-07	0.00E+00	9.58E-07	1.69E-07	2.29E-07	0.00E+00	3.98E-07
89	441382.69	3768369.03	1.97E-06	2.21E-06	0.00E+00	4.18E-06	2.22E-06	3.22E-06	0.00E+00	5.43E-06	3.72E-07	5.48E-07	0.00E+00	9.20E-07	1.63E-07	2.20E-07	0.00E+00	3.82E-07
90	441391.78	3768365.31	1.88E-06	2.12E-06	0.00E+00	4.00E-06	2.12E-06	3.08E-06	0.00E+00	5.20E-06	3.56E-07	5.25E-07	0.00E+00	8.81E-07	1.56E-07	2.10E-07	0.00E+00	3.66E-07
91	441235.31	3768475.02	3.89E-06	4.38E-06	0.00E+00	8.26E-06	4.38E-06	6.36E-06	0.00E+00	1.07E-05	7.35E-07	1.08E-06	0.00E+00	1.82E-06	3.21E-07	4.34E-07	0.00E+00	7.56E-07
92	441261.22	3768413.39	2.92E-06	3.29E-06	0.00E+00	6.21E-06	3.29E-06	4.78E-06	0.00E+00	8.08E-06	5.52E-07	8.15E-07	0.00E+00	1.37E-06	2.42E-07	3.27E-07	0.00E+00	5.68E-07
93	441264.92	3768404.59	2.79E-06	3.14E-06	0.00E+00	5.92E-06	3.14E-06	4.56E-06	0.00E+00	7.70E-06	5.27E-07	7.77E-07	0.00E+00	1.30E-06	2.30E-07	3.11E-07	0.00E+00	5.42E-07
94	441277.46	3768392.17	2.59E-06	2.91E-06	0.00E+00	5.50E-06	2.92E-06	4.24E-06	0.00E+00	7.15E-06	4.89E-07	7.22E-07	0.00E+00	1.21E-06	2.14E-07	2.89E-07	0.00E+00	5.03E-07
95	441286.3	3768388.55	2.52E-06	2.83E-06	0.00E+00	5.35E-06	2.84E-06	4.12E-06	0.00E+00	6.95E-06	4.76E-07	7.02E-07	0.00E+00	1.18E-06	2.08E-07	2.81E-07	0.00E+00	4.89E-07
96	441295.14	3768384.93	2.44E-06	2.74E-06	0.00E+00	5.18E-06	2.75E-06	3.99E-06	0.00E+00	6.74E-06	4.61E-07	6.80E-07	0.00E+00	1.14E-06	2.02E-07	2.72E-07	0.00E+00	4.74E-07
97	441303.98	3768381.3	2.36E-06	2.66E-06	0.00E+00	5.02E-06	2.66E-06	3.87E-06	0.00E+00	6.53E-06	4.47E-07	6.59E-07	0.00E+00	1.11E-06	1.95E-07	2.64E-07	0.00E+00	4.59E-07
98	441312.81	3768377.68	2.29E-06	2.58E-06	0.00E+00	4.88E-06	2.59E-06	3.75E-06	0.00E+00	6.34E-06	4.34E-07	6.40E-07	0.00E+00	1.07E-06	1.90E-07	2.56E-07	0.00E+00	4.46E-07
99	441321.65	3768374.06	2.23E-06	2.51E-06	0.00E+00	4.73E-06	2.51E-06	3.64E-06	0.00E+00	6.15E-06	4.21E-07	6.21E-07	0.00E+00	1.04E-06	1.84E-07	2.49E-07	0.00E+00	4.33E-07
100	441330.49	3768370.44	2.16E-06	2.43E-06	0.00E+00	4.58E-06	2.43E-06	3.53E-06	0.00E+00	5.96E-06	4.08E-07	6.01E-07	0.00E+00	1.01E-06	1.78E-07	2.41E-07	0.00E+00	4.19E-07
101	441357	3768359.58	1.94E-06	2.19E-06	0.00E+00	4.13E-06	2.19E-06	3.18E-06	0.00E+00	5.37E-06	3.67E-07	5.42E-07	0.00E+00	9.09E-07	1.61E-07	2.17E-07	0.00E+00	3.78E-07
102	441365.84	3768355.96	1.87E-06	2.11E-06	0.00E+00	3.98E-06	2.11E-06	3.06E-06	0.00E+00	5.18E-06	3.54E-07	5.23E-07	0.00E+00	8.77E-07	1.55E-07	2.09E-07	0.00E+00	3.64E-07
103	441374.68	3768352.34	1.80E-06	2.03E-06	0.00E+00	3.84E-06	2.03E-06	2.95E-06	0.00E+00	4.99E-06	3.41E-07	5.03E-07	0.00E+00	8.45E-07	1.49E-07	2.02E-07	0.00E+00	3.51E-07
104	441383.52	3768348.72	1.74E-06	1.95E-06	0.00E+00	3.69E-06	1.96E-06	2.84E-06	0.00E+00	4.80E-06	3.28E-07	4.84E-07	0.00E+00	8.12E-07	1.44E-07	1.94E-07	0.00E+00	3.37E-07
105	441392.35	3768345.1	1.67E-06	1.88E-06	0.00E+00	3.54E-06	1.88E-06	2.73E-06	0.00E+00	4.60E-06	3.15E-07	4.65E-07	0.00E+00	7.80E-07	1.38E-07	1.86E-07	0.00E+00	3.24E-07
106	441216.22	3768472.72	3.69E-06	4.15E-06	0.00E+00	7.84E-06	4.16E-06	6.04E-06	0.00E+00	1.02E-05	6.98E-07	1.03E-06	0.00E+00	1.73E-06	3.05E-07	4.12E-07	0.00E+00	7.17E-07
107	441220.05	3768463.61	3.56E-06	4.01E-06	0.00E+00	7.58E-06	4.02E-06	5.83E-06	0.00E+00	9.85E-06	6.74E-07	9.94E-07	0.00E+00	1.67E-06	2.95E-07	3.98E-07	0.00E+00	6.93E-07
108	441263.7	3768377.83	2.40E-06	2.70E-06	0.00E+00	5.10E-06	2.70E-06	3.92E-06	0.00E+00	6.63E-06	4.53E-07	6.69E-07	0.00E+00	1.12E-06	1.98E-07	2.68E-07	0.00E+00	4.66E-07
109	441272.85	3768374.08	2.34E-06	2.64E-06	0.00E+00	4.98E-06	2.64E-06	3.83E-06	0.00E+00	6.47E-06	4.43E-07	6.53E-07	0.00E+00	1.10E-06	1.94E-07	2.62E-07	0.00E+00	4.55E-07
110	441282	3768370.33	2.27E-06	2.56E-06	0.00E+00	4.83E-06	2.56E-06	3.72E-06	0.00E+00	6.28E-06	4.30E-07	6.34E-07	0.00E+00	1.06E-06	1.88E-07	2.54E-07	0.00E+00	4.42E-07
111	441291.15	3768366.59	2.20E-06	2.48E-06	0.00E+00	4.68E-06	2.48E-06	3.60E-06	0.00E+00	6.08E-06	4.16E-07	6.14E-07	0.00E+00	1.03E-06	1.82E-07	2.46E-07	0.00E+00	4.28E-07
112	441300.3	3768362.84	2.12E-06	2.39E-06	0.00E+00	4.51E-06	2.39E-06	3.47E-06	0.00E+00	5.87E-06	4.01E-07	5.92E-07	0.00E+00	9.94E-07	1.76E-07	2.37E-07	0.00E+00	4.13E-07
113	441309.45	3768359.09	2.06E-06	2.32E-06	0.00E+00	4.39E-06	2.33E-06	3.38E-06	0.00E+00	5.70E-06	3.90E-07	5.76E-07	0.00E+00	9.66E-07	1.71E-07	2.31E-07	0.00E+00	4.01E-07
114	441318.6	3768355.34	2.00E-06	2.26E-06	0.00E+00	4.26E-06	2.26E-06	3.28E-06	0.00E+00	5.54E-06	3.79E-07	5.59E-07	0.00E+00	9.38E-07	1.66E-07	2.24E-07	0.00E+00	3.90E-07
115	441327.75	3768351.59	1.94E-06	2.19E-06	0.00E+00	4.13E-06	2.19E-06	3.18E-06	0.00E+00	5.37E-06	3.67E-07	5.42E-07	0.00E+00	9.09E-07	1.61E-07	2.17E-07	0.00E+00	3.78E-07
116	441355.19	3768340.35	1.75E-06	1.96E-06	0.00E+00	3.71E-06	1.97E-06	2.86E-06	0.00E+00	4.82E-06	3.30E-07	4.87E-07	0.00E+00	8.17E-07	1.44E-07	1.95E-07	0.00E+00	3.39E-07
117	441364.34	3768336.6	1.68E-06	1.89E-06	0.00E+00	3.57E-06	1.89E-06	2.75E-06	0.00E+00	4.64E-06	3.18E-07	4.69E-07	0.00E+00	7.87E-07	1.39E-07	1.88E-07	0.00E+00	3.27E-07
118	441373.49	3768332.85	1.62E-06	1.82E-06	0.00E+00	3.44E-06	1.82E-06	2.65E-06	0.00E+00	4.47E-06	3.06E-07	4.52E-07	0.00E+00	7.58E-07	1.34E-07	1.81E-07	0.00E+00	3.15E-07
119	441382.64	3768329.11	1.56E-06	1.75E-06	0.00E+00	3.31E-06	1.75E-06	2.55E-06	0.00E+00	4.30E-06	2.94E-07	4.34E-07	0.00E+00	7.29E-07	1.29E-07	1.74E-07	0.00E+00	3.03E-07
120	441391.79	3768325.36	1.49E-06	1.68E-06	0.00E+00	3.17E-06	1.68E-06	2.44E-06	0.00E+00	4.13E-06	2.82E-07	4.17E-07	0.00E+00	6.99E-07	1.23E-07	1.67E-07	0.00E+00	2.90E-07

121	441195.58	3768474.13	3.55E-06	3.99E-06	0.00E+00	7.54E-06	4.00E-06	5.80E-06	0.00E+00	9.80E-06	6.70E-07	9.89E-07	0.00E+00	1.66E-06	2.93E-07	3.96E-07	0.00E+00	6.90E-07
122	441199.32	3768465.23	3.44E-06	3.87E-06	0.00E+00	7.31E-06	3.88E-06	5.63E-06	0.00E+00	9.50E-06	6.50E-07	9.60E-07	0.00E+00	1.61E-06	2.84E-07	3.84E-07	0.00E+00	6.69E-07
123	441221.77	3768411.85	2.78E-06	3.13E-06	0.00E+00	5.92E-06	3.14E-06	4.55E-06	0.00E+00	7.69E-06	5.26E-07	7.76E-07	0.00E+00	1.30E-06	2.30E-07	3.11E-07	0.00E+00	5.41E-07
124	441225.51	3768402.96	2.67E-06	3.01E-06	0.00E+00	5.68E-06	3.01E-06	4.37E-06	0.00E+00	7.39E-06	5.05E-07	7.46E-07	0.00E+00	1.25E-06	2.21E-07	2.99E-07	0.00E+00	5.20E-07
125	441229.25	3768394.06	2.57E-06	2.89E-06	0.00E+00	5.46E-06	2.89E-06	4.20E-06	0.00E+00	7.09E-06	4.85E-07	7.16E-07	0.00E+00	1.20E-06	2.12E-07	2.87E-07	0.00E+00	4.99E-07
126	441232.99	3768385.16	2.46E-06	2.77E-06	0.00E+00	5.24E-06	2.78E-06	4.03E-06	0.00E+00	6.81E-06	4.66E-07	6.87E-07	0.00E+00	1.15E-06	2.04E-07	2.75E-07	0.00E+00	4.79E-07
127	441236.73	3768376.27	2.36E-06	2.66E-06	0.00E+00	5.02E-06	2.66E-06	3.86E-06	0.00E+00	6.52E-06	4.46E-07	6.59E-07	0.00E+00	1.10E-06	1.95E-07	2.64E-07	0.00E+00	4.59E-07
128	441258.33	3768360.05	2.18E-06	2.45E-06	0.00E+00	4.63E-06	2.46E-06	3.57E-06	0.00E+00	6.02E-06	4.12E-07	6.08E-07	0.00E+00	1.02E-06	1.80E-07	2.44E-07	0.00E+00	4.24E-07
129	441267.26	3768356.4	2.13E-06	2.40E-06	0.00E+00	4.53E-06	2.40E-06	3.49E-06	0.00E+00	5.89E-06	4.03E-07	5.94E-07	0.00E+00	9.97E-07	1.76E-07	2.38E-07	0.00E+00	4.14E-07
130	441276.19	3768352.74	2.07E-06	2.33E-06	0.00E+00	4.41E-06	2.34E-06	3.39E-06	0.00E+00	5.73E-06	3.92E-07	5.78E-07	0.00E+00	9.70E-07	1.71E-07	2.32E-07	0.00E+00	4.03E-07
131	441285.13	3768349.08	2.01E-06	2.26E-06	0.00E+00	4.27E-06	2.27E-06	3.29E-06	0.00E+00	5.56E-06	3.80E-07	5.61E-07	0.00E+00	9.41E-07	1.66E-07	2.25E-07	0.00E+00	3.91E-07
132	441294.06	3768345.42	1.95E-06	2.19E-06	0.00E+00	4.14E-06	2.20E-06	3.19E-06	0.00E+00	5.39E-06	3.68E-07	5.44E-07	0.00E+00	9.12E-07	1.61E-07	2.18E-07	0.00E+00	3.79E-07
133	441302.99	3768341.76	1.89E-06	2.13E-06	0.00E+00	4.02E-06	2.13E-06	3.09E-06	0.00E+00	5.23E-06	3.57E-07	5.28E-07	0.00E+00	8.85E-07	1.56E-07	2.11E-07	0.00E+00	3.68E-07
134	441311.92	3768338.1	1.84E-06	2.07E-06	0.00E+00	3.91E-06	2.07E-06	3.01E-06	0.00E+00	5.08E-06	3.48E-07	5.13E-07	0.00E+00	8.60E-07	1.52E-07	2.05E-07	0.00E+00	3.57E-07
135	441320.85	3768334.45	1.78E-06	2.01E-06	0.00E+00	3.79E-06	2.01E-06	2.92E-06	0.00E+00	4.93E-06	3.37E-07	4.98E-07	0.00E+00	8.35E-07	1.48E-07	1.99E-07	0.00E+00	3.47E-07
136	441329.78	3768330.79	1.73E-06	1.95E-06	0.00E+00	3.67E-06	1.95E-06	2.83E-06	0.00E+00	4.78E-06	3.27E-07	4.82E-07	0.00E+00	8.09E-07	1.43E-07	1.93E-07	0.00E+00	3.36E-07
137	441356.57	3768319.81	1.55E-06	1.75E-06	0.00E+00	3.30E-06	1.75E-06	2.54E-06	0.00E+00	4.29E-06	2.93E-07	4.33E-07	0.00E+00	7.26E-07	1.28E-07	1.73E-07	0.00E+00	3.02E-07
138	441365.5	3768316.15	1.50E-06	1.68E-06	0.00E+00	3.18E-06	1.69E-06	2.45E-06	0.00E+00	4.13E-06	2.83E-07	4.17E-07	0.00E+00	7.00E-07	1.24E-07	1.67E-07	0.00E+00	2.91E-07
139	441374.43	3768312.49	1.44E-06	1.62E-06	0.00E+00	3.06E-06	1.63E-06	2.36E-06	0.00E+00	3.98E-06	2.73E-07	4.02E-07	0.00E+00	6.75E-07	1.19E-07	1.61E-07	0.00E+00	2.80E-07
140	441383.36	3768308.84	1.39E-06	1.56E-06	0.00E+00	2.95E-06	1.57E-06	2.27E-06	0.00E+00	3.84E-06	2.62E-07	3.87E-07	0.00E+00	6.50E-07	1.15E-07	1.55E-07	0.00E+00	2.70E-07
141	441392.29	3768305.18	1.34E-06	1.50E-06	0.00E+00	2.84E-06	1.50E-06	2.19E-06	0.00E+00	3.69E-06	2.52E-07	3.73E-07	0.00E+00	6.25E-07	1.10E-07	1.49E-07	0.00E+00	2.60E-07
142	441175.06	3768475.24	3.37E-06	3.79E-06	0.00E+00	7.16E-06	3.80E-06	5.51E-06	0.00E+00	9.31E-06	6.37E-07	9.40E-07	0.00E+00	1.58E-06	2.78E-07	3.76E-07	0.00E+00	6.55E-07
143	441178.73	3768466.52	3.28E-06	3.70E-06	0.00E+00	6.98E-06	3.70E-06	5.38E-06	0.00E+00	9.08E-06	6.21E-07	9.16E-07	0.00E+00	1.54E-06	2.72E-07	3.67E-07	0.00E+00	6.39E-07
144	441200.73	3768414.2	2.72E-06	3.06E-06	0.00E+00	5.78E-06	3.07E-06	4.45E-06	0.00E+00	7.52E-06	5.14E-07	7.59E-07	0.00E+00	1.27E-06	2.25E-07	3.04E-07	0.00E+00	5.29E-07
145	441204.39	3768405.48	2.62E-06	2.95E-06	0.00E+00	5.58E-06	2.96E-06	4.30E-06	0.00E+00	7.25E-06	4.96E-07	7.32E-07	0.00E+00	1.23E-06	2.17E-07	2.93E-07	0.00E+00	5.10E-07
146	441208.06	3768396.76	2.53E-06	2.85E-06	0.00E+00	5.38E-06	2.85E-06	4.14E-06	0.00E+00	6.99E-06	4.78E-07	7.06E-07	0.00E+00	1.18E-06	2.09E-07	2.83E-07	0.00E+00	4.92E-07
147	441211.73	3768388.04	2.44E-06	2.74E-06	0.00E+00	5.18E-06	2.75E-06	3.99E-06	0.00E+00	6.74E-06	4.61E-07	6.80E-07	0.00E+00	1.14E-06	2.02E-07	2.72E-07	0.00E+00	4.74E-07
148	441215.39	3768379.32	2.35E-06	2.64E-06	0.00E+00	4.99E-06	2.64E-06	3.84E-06	0.00E+00	6.48E-06	4.44E-07	6.55E-07	0.00E+00	1.10E-06	1.94E-07	2.62E-07	0.00E+00	4.56E-07
149	441219.06	3768370.6	2.26E-06	2.54E-06	0.00E+00	4.80E-06	2.54E-06	3.69E-06	0.00E+00	6.24E-06	4.27E-07	6.30E-07	0.00E+00	1.06E-06	1.87E-07	2.52E-07	0.00E+00	4.39E-07
150	441222.73	3768361.88	2.17E-06	2.44E-06	0.00E+00	4.62E-06	2.45E-06	3.55E-06	0.00E+00	6.00E-06	4.10E-07	6.06E-07	0.00E+00	1.02E-06	1.80E-07	2.43E-07	0.00E+00	4.22E-07
151	441235.15	3768349.58	2.06E-06	2.32E-06	0.00E+00	4.37E-06	2.32E-06	3.37E-06	0.00E+00	5.69E-06	3.89E-07	5.74E-07	0.00E+00	9.63E-07	1.70E-07	2.30E-07	0.00E+00	4.00E-07
152	441261.41	3768338.82	1.94E-06	2.18E-06	0.00E+00	4.12E-06	2.18E-06	3.17E-06	0.00E+00	5.36E-06	3.66E-07	5.41E-07	0.00E+00	9.07E-07	1.60E-07	2.17E-07	0.00E+00	3.77E-07
153	441270.16	3768335.23	1.89E-06	2.13E-06	0.00E+00	4.02E-06	2.13E-06	3.09E-06	0.00E+00	5.23E-06	3.57E-07	5.28E-07	0.00E+00	8.85E-07	1.56E-07	2.11E-07	0.00E+00	3.68E-07
154	441278.92	3768331.65	1.84E-06	2.07E-06	0.00E+00	3.91E-06	2.08E-06	3.01E-06	0.00E+00	5.09E-06	3.48E-07	5.14E-07	0.00E+00	8.62E-07	1.52E-07	2.06E-07	0.00E+00	3.58E-07
155	441287.67	3768328.06	1.79E-06	2.02E-06	0.00E+00	3.80E-06	2.02E-06	2.93E-06	0.00E+00	4.95E-06	3.38E-07	4.99E-07	0.00E+00	8.38E-07	1.48E-07	2.00E-07	0.00E+00	3.48E-07
156	441296.42	3768324.48	1.74E-06	1.95E-06	0.00E+00	3.69E-06	1.96E-06	2.84E-06	0.00E+00	4.80E-06	3.28E-07	4.84E-07	0.00E+00	8.13E-07	1.44E-07	1.94E-07	0.00E+00	3.38E-07
157	441305.18	3768320.89	1.68E-06	1.90E-06	0.00E+00	3.58E-06	1.90E-06	2.76E-06	0.00E+00	4.66E-06	3.18E-07	4.70E-07	0.00E+00	7.88E-07	1.39E-07	1.88E-07	0.00E+00	3.28E-07
158	441313.93	3768317.31	1.63E-06	1.84E-06	0.00E+00	3.47E-06	1.84E-06	2.67E-06	0.00E+00	4.51E-06	3.09E-07	4.56E-07	0.00E+00	7.65E-07	1.35E-07	1.83E-07	0.00E+00	3.18E-07
159	441322.68	3768313.72	1.58E-06	1.78E-06	0.00E+00	3.36E-06	1.78E-06	2.59E-06	0.00E+00	4.37E-06	2.99E-07	4.41E-07	0.00E+00	7.40E-07	1.31E-07	1.77E-07	0.00E+00	3.08E-07
160	441331.44	3768310.13	1.53E-06	1.72E-06	0.00E+00	3.25E-06	1.72E-06	2.50E-06	0.00E+00	4.23E-06	2.89E-07	4.27E-07	0.00E+00	7.16E-07	1.26E-07	1.71E-07	0.00E+00	2.97E-07
161	441357.7	3768299.38	1.39E-06	1.56E-06	0.00E+00	2.94E-06	1.56E-06	2.27E-06	0.00E+00	3.83E-06	2.62E-07	3.86E-07	0.00E+00	6.48E-07	1.15E-07	1.55E-07	0.00E+00	2.69E-07
162	441366.45	3768295.79	1.34E-06	1.51E-06	0.00E+00	2.85E-06	1.51E-06	2.19E-06	0.00E+00	3.70E-06	2.53E-07	3.74E-07	0.00E+00	6.27E-07	1.11E-07	1.50E-07	0.00E+00	2.60E-07
163	441375.21	3768292.2	1.29E-06	1.46E-06	0.00E+00	2.75E-06	1.46E-06	2.12E-06	0.00E+00	3.57E-06	2.44E-07	3.61E-07	0.00E+00	6.05E-07	1.07E-07	1.45E-07	0.00E+00	2.51E-07
164	441383.96	3768288.62	1.25E-06	1.41E-06	0.00E+00	2.65E-06	1.41E-06	2.04E-06	0.00E+00	3.45E-06	2.36E-07	3.48E-07	0.00E+00	5.84E-07	1.03E-07	1.39E-07	0.00E+00	2.43E-07
165	441392.71	3768285.03	1.20E-06	1.35E-06	0.00E+00	2.56E-06	1.36E-06	1.97E-06	0.00E+00	3.33E-06	2.27E-07	3.36E-07	0.00E+00	5.63E-07	9.95E-08	1.35E-07	0.00E+00	2.34E-07
166	441155.78	3768473.42	3.13E-06	3.52E-06	0.00E+00	6.65E-06	3.53E-06	5.12E-06	0.00E+00	8.65E-06	5.92E-07	8.73E-07	0.00E+00	1.47E-06	2.59E-07	3.50E-07	0.00E+00	6.09E-07
167	441159.55	3768464.45	3.06E-06	3.45E-06	0.00E+00	6.51E-06	3.45E-06	5.01E-06	0.00E+00	8.47E-06	5.79E-07	8.55E-07	0.00E+00	1.43E-06	2.53E-07	3.42E-07	0.00E+00	5.96E-07
168	441182.16	3768410.67	2.58E-06	2.90E-06	0.00E+00	5.48E-06	2.90E-06	4.22E-06	0.00E+00	7.12E-06	4.87E-07	7.19E-07	0.00E+00	1.21E-06	2.13E-07	2.88E-07	0.00E+00	5.01E-07
169	441185.93	3768401.7	2.49E-06	2.81E-06	0.00E+00	5.30E-06	2.81E-06	4.08E-06	0.00E+00	6.89E-06	4.71E-07	6.95E-07	0.00E+00	1.17E-06	2.06E-07	2.79E-07	0.00E+00	4.85E-07
170	441189.7	3768392.74	2.41E-06	2.71E-06	0.00E+00	5.12E-06	2.71E-06	3.94E-06	0.00E+00	6.66E-06	4.55E-07	6.72E-07	0.00E+00	1.13E-06	1.99E-07	2.69E-07	0.00E+00	4.68E-07
171	441193.47	3768383.78	2.32E-06	2.62E-06	0.00E+00	4.94E-06	2.62E-06	3.80E-06	0.00E+00	6.42E-06	4.39E-07	6.48E-07	0.00E+00	1.09E-06	1.92E-07	2.60E-07	0.00E+00	4.52E-07
172	441197.24	3768374.81	2.24E-06	2.52E-06	0.00E+00	4.76E-06	2.52E-06	3.67E-06	0.00E+00	6.19E-06	4.23E-07	6.25E-07	0.00E+00	1.05E-06	1.85E-07	2.50E-07	0.00E+00	4.36E-07
173	441201.01	3768365.85	2.16E-06	2.43E-06	0.00E+00	4.59E-06	2.43E-06	3.53E-06	0.00E+00	5.97E-06	4.08E-07	6.02E-07	0.00E+00	1.01E-06	1.79E-07	2.41E-07	0.00E+00	4.20E-07
174	441204.78	3768356.88	2.08E-06	2.34E-06	0.00E+00	4.42E-06	2.34E-06	3.40E-06	0.00E+00	5.75E-06	3.93E-07	5.80E-07	0.00E+00	9.73E-07	1.72E-07	2.32E-07	0.00E+00	4.04E-07
175	441208.55	3768347.92	2.00E-06	2.25E-06	0.00E+00	4.25E-06	2.25E-06	3.27E-06	0.00E+00	5.53E-06	3.78E-07	5.58E-07	0.00E+00	9.36E-07	1.65E-07	2.24E-07	0.00E+00	3.89E-07
176	441221.32	3768335.27	1.90E-06	2.14E-06	0.00E+00	4.04E-06	2.14E-06	3.11E-06	0.00E+00	5.25E-06	3.59E-07	5.30E-07	0.00E+00	8.88E-07	1.57E-07	2.12E-07	0.00E+00	3.69E-07
177	441230.32	3768331.58	1.87E-06	2.11E-06	0.00E+00	3.98E-06	2.11E-06	3.06E-06	0.00E+00	5.17E-06	3.54E-07	5.22E-07	0.00E+00	8.76E-07	1.55E-07	2.09E-07	0.00E+00	3.64E-07
178	441257.31	3768320.53	1.76E-06	1.99E-06	0.00E+00	3.75E-06	1.99E-06	2.89E-06	0.00E+00	4.88E-06	3.33E-07	4.92E-07	0.00E+00	8.26E-07	1.46E-07	1.97E-07	0.00E+00	3.43E-07
179	441266.31	3768316.84	1.72E-06	1.93E-06	0.00E+00	3.65E-06	1.94E-06	2.81E-06	0.00E+00	4.75E-06	3.25E-07	4.79E-07	0.00E+00	8.04E-07	1.42E-07	1.92E-07	0.00E+00	3.34E-07
180	441275.31	3768313.15	1.67E-06	1.88E-06	0.00E+00	3.55E-06	1.88E-06	2.73E-06	0.00E+00	4.62E-06	3.16E-07	4.66E-07	0.00E+00	7.82E-07	1.38E-07	1.87E-07	0.00E+00	3.25E-07
181	441284.31	3768309.47	1.62E-06	1.83E-06	0.00E+00	3.45E-06	1.83E-06	2.65E-06	0.00E+00	4.48E-06	3.07E-07	4.52E-07	0.00E+00	7.59E-07	1.34E-07	1.81E-07	0.00E+00	3.15E-07
182	441293.3	3768305.78	1.57E-06	1.77E-06	0.00E+00	3.34E-06	1.77E-06	2.57E-06	0.00E+00	4.34E-06	2.97E-07	4.39E-07	0.00E+00	7.36E-07	1.30E-07	1.76E-07	0.00E+00	3.06E-07
183	441302.3	3768302.1	1.52E-06	1.71E-06	0.00E+00	3.24E-06	1.72E-06	2.49E-06	0.00E+00	4.21E-06	2.88E-07	4.25E-07	0.00E+00	7.13E-07	1.26E-07	1.70E-07	0.00E+00	2.96E-07
184	441311.3	3768298.41	1.48E-06	1.66E-06	0.00E+00	3.14E-06	1.66E-06	2.42E-06	0.00E+00	4.08E-06	2.79E-07	4.12E-07	0.00E+00	6.91E-07	1.22E-07	1.65E-07	0.00E+00	2.87E-07
185	441320.3	3768294.72	1.43E-06	1.61E-06	0.00E+00	3.05E-06	1.62E-06	2.34E-06	0.00E+00	3.96E-06	2.71E-07	4.00E-07	0.00E+00	6.71E-07	1.18E-07	1.60E-07	0.00E+00	2.79E-07
186	441329.3	3768291.04	1.39E-06	1.56E-06	0.00E+00	2.95E-06	1.57E-06	2.27E-06	0.00E+00	3.84E-06	2.62E-07	3.87E-07	0.00E+00	6.50E-07	1.15E-07	1.55E-07	0.00E+00	2.70E-07
187	441356.29	3768279.98	1.26E-06	1.42E-06	0.00E+00	2.68E-06	1.42E-06	2.06E-06	0.00E+00	3.48E-06	2.38E-07	3.51E-07	0.00E+00	5.89E-07	1.04E-07	1.41E-07	0.00E+00	2.45E-07
188	441365.29	3768276.29	1.22E-06	1.37E-06	0.00E+00	2.58E-06	1.37E-06	1.99E-06	0.00E+00	3.36E-06	2.30E-07	3.39E-07	0.00E+00	5.69E-07	1.01E-07	1.36E-07	0.00E+00	2.36E-07
189	441374.29	3768272.61	1.17E-06	1.32E-06	0.00E+00	2.50E-06	1.32E-06	1.92E-06	0.00E+00	3.25E-06	2.22E-07	3.28E-07	0.00E+00	5.50E-07	9.71E-08	1.31E-07	0.00E+00	2.28E-07
190	441383.29	3768268.92	1.13E-06	1.28E-06	0.00E+00	2.41E-06	1.28E-06	1.86E-06	0.00E+00	3.14E-06	2.14E-07	3.17E-07	0.00E+00	5.31E-07	9.38E-08	1.27E-07	0.00E+00	2.21E-07
191	441392.29	3768265.23	1.10E-06	1.23E-06	0.00E+00	2.33E-06	1.23E-06	1.79E-06	0.00E+00	3.03E-06	2.07E-07	3.06E-07	0.00E+00	5.13E-07	9.06E-08	1.22E-07	0.00E+00	2.13E-07
192	441135.31	3768474.42	2.89E-06	3.26E-06	0.00E+00	6.15E-06	3.26E-06	4.73E-06	0.00E+00	7.99E-06	5.47E-07	8.07E-07	0.00E+00	1.35E-06	2.39E-07	3.23E-07	0.00E+00	5.62E-07
193	441139.01	3768465.61	2.85E-06	3.21E-06	0.00E+00	6.06E-06	3.21E-06	4.66E-06	0.00E+00	7.88E-06	5.39E-07	7.95E-07	0.00E+00	1.33E-06	2.36E-07	3.18E-07	0.00E+00	5.54E-07
194	441161.22	3768412.79	2.46E-06	2.77E-06	0.00E+00	5.24E-06	2.78E-06	4.03E-06	0.00E+00	6.81E-06	4.66E-07	6.88E-07	0.00E+00	1.15E-06	2.04E-07	2.75E-07	0.00E+00	4.79E-07
195	441164.92	3768403.98	2.40E-06	2.70E-06	0.00E+00	5.10E-06	2.70E-06	3.92E-06	0.00E+00	6.63E-06	4.53E-07	6.69E-07	0.00E+00	1.12E-06	1.98E-07	2.68E-07	0.00E+00	4.66E-07
196	441168.63	3768395.18	2.33E-06	2.62E-06	0.00E+00	4.95E-06	2.63E-06	3.81E-06	0.00E+00	6.44E-06	4.41E-07	6.50E-07	0.00E+00	1.09E-06	1.93E-07	2.60E-07	0.00E+00	4.53E-07
197	441172.33	3768386.38	2.26E-06	2.55E-06	0.00E+00	4.81E-06	2.55E-06	3.70E-06	0.00E+00	6.25E-06	4.27E-07	6.31E-07	0.00E+00	1.06E-06	1.87E-07	2.53E-07	0.00E+00	4.40E-07
198	441176.03	3768377.57	2.19E-06	2.46E-06	0.00E+00	4.65E-06	2.47E-06	3.58E-06	0.00E+00	6.05E-06	4.14E-07	6.11E-07	0.00E+00	1.02E-06	1.81E-07	2.45E-07	0.00E+00	4.26E-07
199	441179.73	3768368.77	2.12E-06	2.38E-06	0.00E+00	4.50E-06	2.38E-06	3.46E-06	0.00E+00	5.85E-06	4.00E-07	5.90E-07	0.00E+00	9.90E-07	1.75E-07	2.36E-07	0.00E+00	4.11E-07
200	441183.43	3768359.96	2.04E-06	2.30E-06	0.00E+00	4.35E-06	2.30E-06	3.35E-06	0.00E+00	5.65E-06	3.86E-07	5.70E-07	0.00E+00	9.57E-07	1.69E-07	2.28E-07	0.00E+00	3.97E-07
201	441187.14	3768351.16	1.97E-06	2.22E-06	0.00E+00	4.20E-06	2.22E-06	3.23E-06	0.00E+00	5.45E-06	3.73E-07	5.51E-07	0.00E+00	9.24E-07	1.63E-07	2.21E-07	0.00E+00	3.84E-07
202	441190.84	3768342.36	1.90E-06	2.14E-06	0.00E+00	4.05E-06	2.15E-06	3.12E-06	0.00E+00	5.26E-06	3.60E-07	5.31E-07	0.00E+00	8.91E-07	1.57E-07	2.13E-07	0.00E+00	3.70E-07
203	441194.54	3768333.55	1.84E-06	2.07E-06	0.00E+00	3.90E-06	2.07E-06	3.00E-06	0.00E+00	5.07E-06	3.47E-07	5.12E-07	0.00E+00	8.59E-07	1.52E-07	2.05E-07	0.00E+00	3.57E-07
204	441207.08	3768321.13	1.76E-06	1.98E-06	0.00E+00	3.74E-06	1.98E-06	2.88E-06	0.00E+00	4.86E-06	3.33E-07	4.91E-07	0.00E+00	8.23E-07	1.45E-07	1.97E-07	0.00E+00	3.42E-07
205	441215.92	3768317.51	1.74E-06	1.96E-06	0.00E+00	3.70E-06	1.96E-06	2.85E-06	0.00E+00	4.81E-06	3.29E-07	4.86E-07	0.00E+00	8.15E-07	1.44E-07	1.95E-07	0.00E+00	3.39E-07
206	441224.75	3768313.89	1.72E-06	1.94E-06	0.00E+00	3.65E-06	1.94E-06	2.81E-06	0.00E+00	4.75E-06	3.25E-07	4.80E-07	0.00E+00	8.04E-07	1.42E-07	1.92E-07	0.00E+00	3.34E-07
207	441233.59	3768310.27	1.69E-06	1.91E-06	0.00E+00	3.60E-06	1.91E-06	2.77E-06	0.00E+00	4.68E-06	3.20E-07	4.73E-07	0.00E+00	7.93E-07	1.40E-07	1.89E-07	0.00E+00	3.29E-07
208	441260.11	3768299.41	1.58E-06	1.78E-06	0.00E+00	3.36E-06	1.78E-06	2.59E-06	0.00E+00	4.37E-06	2.99E-07	4.41E-07	0.00E+00	7.40E-07	1.31E-07	1.77E-07	0.00E+00	3.07E-07
209	441268.94	3768295.79	1.54E-06	1.73E-06	0.00E+00	3.27E-06	1.73E-06	2.52E-06	0.00E+00	4.25E-06	2.91E-07	4.29E-07	0.00E+00	7.19E-07	1.27E-07	1.72E-07	0.00E+00	2.99E-07
210	441277.78	3768292.17	1.50E-06	1.68E-06	0.00E+00	3.18E-06	1.69E-06	2.45E-06	0.00E+00	4.13E-06	2.83E-07	4.17E-07	0.00E+00	7.00E-07	1.24E-07	1.67E-07	0.00E+00	2.91E-07
211	441286.62	3768288.55	1.46E-06	1.64E-06	0.00E+00	3.09E-06	1.64E-06	2.38E-06	0.00E+00	4.02E-06	2.75E-07	4.06E-07	0.00E+00	6.81E-07	1.20E-07	1.63E-07	0.00E+00	2.83E-07
212	441295.46	3768284.93	1.42E-06	1.59E-06	0.00E+00	3.01E-06	1.60E-06	2.32E-06	0.00E+00	3.91E-06	2.68E-07	3.95E-07	0.00E+00	6.63E-07	1.17E-07	1.58E-07	0.00E+00	2.75E-07
213	441304.29	3768281.31	1.38E-06	1.55E-06	0.00E+00	2.93E-06	1.55E-06	2.25E-06	0.00E+00	3.80E-06	2.60E-07	3.84E-07	0.00E+00	6.44E-07	1.14E-07	1.54E-07	0.00E+00	2.68E-07
214	441313.13	3768277.68	1.34E-06	1.51E-06	0.00E+00	2.84E-06	1.51E-06	2.19E-06	0.00E+00	3.70E-06	2.53E-07	3.73E-07	0.00E+00	6.26E-07	1.11E-07	1.49E-07	0.00E+00	2.60E-07
215	441321.97	3768274.06	1.30E-06	1.46E-06	0.00E+00	2.76E-06	1.46E-06	2.12E-06	0.00E+00	3.59E-06	2.45E-07	3.62E-07	0.00E+00	6.08E-07	1.07E-07	1.45E-07	0.00E+00	2.52E-07
216	441330.81	3768270.44	1.26E-06	1.42E-06	0.00E+00	2.68E-06	1.42E-06	2.06E-06	0.00E+00	3.48E-06	2.38E-07	3.51E-07	0.00E+00	5.89E-07	1.04E-07	1.41E-07	0.00E+00	2.45E-07
217	441357.32	3768259.58	1.14E-06	1.28E-06	0.00E+00	2.42E-06	1.28E-06	1.86E-06	0.00E+00	3.15E-06	2.15E-07	3.18E-07	0.00E+00	5.33E-07	9.41E-08	1.27E-07	0.00E+00	2.21E-07
218	441366.16	3768255.96	1.10E-06	1.24E-06	0.00E+00	2.34E-06	1.24E-06	1.80E-06	0.00E+00	3.05E-06	2.08E-07	3.07E-07	0.00E+00	5.16E-07	9.11E-08	1.23E-07	0.00E+00	2.14E-07
219	441375	3768252.34	1.07E-06	1.20E-06	0.00E+00	2.27E-06	1.20E-06	1.75E-06	0.00E+00	2.95E-06	2.02E-07	2.98E-07	0.00E+00	4.99E-07	8.82E-08	1.19E-07	0.00E+00	2.07E-07
220	441383.83	3768248.72	1.03E-06	1.16E-06	0.00E+00	2.19E-06	1.16E-06	1.69E-06	0.00E+00	2.85E-06	1.95E-07	2.88E-07	0.00E+00	4.83E-07	8.53E-08	1.15E-07	0.00E+00	2.01E-07
221	441392.67	3768245.1	9.99E-07	1.13E-06	0.00E+00	2.12E-06	1.13E-06	1.64E-06	0.00E+00	2.76E-06	1.89E-07	2.79E-07	0.00E+00	4.68E-07	8.26E-08	1.12E-07	0.00E+00	1.94E-07
222	441099.23	3768464.85	2.40E-06	2.71E-06	0.00E+00	5.11E-06	2.71E-06	3.93E-06	0.00E+00	6.64E-06	4.54E-07	6.70E-07	0.00E+00	1.12E-06	1.99E-07	2.69E-07	0.00E+00	4.67E-07
223	441121.61	3768411.63	2.17E-06	2.44E-06	0.00E+00	4.62E-06	2.45E-06	3.55E-06	0.00E+00	6.00E-06	4.10E-07	6.06E-07	0.00E+00	1.02E-06	1.80E-07	2.43E-07	0.00E+00	4.22E-07
224	441125.34	3768402.76	2.13E-06	2.40E-06	0.00E+00	4.53E-06	2.40E-06	3.49E-06	0.00E+00	5.89E-06	4.03E-07	5.94E-07	0.00E+00	9.97E-07	1.76E-07	2.38E-07	0.00E+00	4.14E-07
225	441129.07	3768393.89	2.09E-06	2.35E-06	0.00E+00	4.43E-06	2.35E-06	3.41E-06	0.00E+00	5.77E-06	3.94E-07	5.82E-07	0.00E+00	9.76E-07	1.72E-07	2.33E-07	0.00E+00	4.06E-07
226	441132.8	3768385.03	2.04E-06	2.30E-06	0.00E+00	4.34E-06	2.30E-06	3.34E-06	0.00E+00	5.64E-06	3.86E-07	5.70E-07	0.00E+00	9.56E-07	1.69E-07	2.28E-07	0.00E+00	3.97E-07
227	441136.52	3768376.16	2.00E-06	2.25E-06	0.00E+00	4.25E-06	2.25E-06	3.27E-06	0.00E+00	5.52E-06	3.78E-07	5.57E-07	0.00E+00	9.35E-07	1.65E-07	2.23E-07	0.00E+00	3.88E-07
228	441155.17	3768331.81	1.73E-06	1.95E-06	0.00E+00	3.68E-06	1.95E-06	2.83E-06	0.00E+00	4.78E-06	3.27E-07	4.83E-07	0.00E+00	8.10E-07	1.43E-07	1.93E-07	0.00E+00	3.36E-07
229	441158.9	3768322.94	1.68E-06	1.89E-06	0.00E+00	3.57E-06	1.89E-06	2.75E-06	0.00E+00	4.64E-06	3.17E-07	4.68E-07	0.00E+00	7.85E-07	1.39E-07	1.88E-07	0.00E+00	3.26E-07
230	441162.63	3768314.07	1.63E-06	1.83E-06	0.00E+00	3.46E-06	1.83E-06	2.66E-06	0.00E+00	4.50E-06	3.08E-07	4.54E-07	0.00E+00	7.62E-07	1.35E-07	1.82E-07	0.00E+00	3.16E-07
231	441166.36	3768305.2	1.58E-06	1.78E-06	0.00E+00	3.35E-06	1.78E-06	2.58E-06	0.00E+00	4.36E-06	2.98E-07	4.40E-07	0.00E+00	7.38E-07	1.30E-07	1.76E-07	0.00E+00	3.07E-07
232	441178.99	3768292.69	1.52E-06	1.71E-06	0.00E+00	3.23E-06	1.71E-06	2.49E-06	0.00E+00	4.20E-06	2.87E-07	4.24E-07	0.00E+00	7.11E-07	1.26E-07	1.70E-07	0.00E+00	2.95E-07
233	441214.6	3768278.1	1.46E-06	1.64E-06	0.00E+00	3.10E-06	1.65E-06	2.39E-06	0.00E+00	4.04E-06	2.76E-07	4.07E-07	0.00E+00	6.83E-07	1.21E-07	1.63E-07	0.00E+00	2.84E-07
234	441223.51	3768274.45	1.44E-06	1.62E-06	0.00E+00	3.05E-06	1.62E-06	2.35E-06	0.00E+00	3.97E-06	2.71E-07	4.01E-07	0.00E+00	6.72E-07	1.19E-07	1.60E-07	0.00E+00	2.79E-07
235	441259.12	3768259.86	1.32E-06	1.49E-06	0.00E+00	2.81E-06	1.49E-06	2.16E-06	0.00E+00	3.65E-06	2.49E-07	3.68E-07	0.00E+00	6.18E-07	1.09E-07	1.47E-07	0.00E+00	2.57E-07
236	441268.02	3768256.22	1.29E-06	1.45E-06	0.00E+00	2.74E-06	1.45E-06	2.11E-06	0.00E+00	3.56E-06	2.44E-07	3.60E-07	0.00E+00	6.03E-07	1.07E-07	1.44E-07	0.00E+00	2.51E-07
237	441276.93	3768252.57	1.26E-06	1.42E-06	0.00E+00	2.67E-06	1.42E-06	2.06E-06	0.00E+00	3.48E-06	2.38E-07	3.51E-07	0.00E+00	5.89E-07	1.04E-07	1.41E-07	0.00E+00	2.45E-07
238	441285.83	3768248.92	1.23E-06	1.38E-06	0.00E+00	2.60E-06	1.38E-06	2.00E-06	0.00E+00	3.39E-06	2.32E-07	3.42E-07	0.00E+00	5.73E-07	1.01E-07	1.37E-07	0.00E+00	2.38E-07
239	441294.73	3768245.27	1.19E-06	1.34E-06	0.00E+00	2.53E-06	1.34E-06	1.95E-06	0.00E+00	3.29E-06	2.25E-07	3.32E-07	0.00E+00	5.58E-07	9.85E-08	1.33E-07	0.00E+00	2.32E-07
240	441303.64	3768241.63	1.16E-06	1.30E-06	0.00E+00	2.46E-06	1.30E-06	1.89E-06	0.00E+00	3.20E-06	2.19E-07	3.23E-07	0.00E+00	5.41E-07	9.57E-08	1.29E-07	0.00E+00	2.25E-07
241	441312.54	3768237.98	1.12E-06	1.26E-06	0.00E+00	2.38E-06	1.26E-06	1.84E-06	0.00E+00	3.10E-06	2.12E-07	3.13E-07	0.00E+00	5.25E-07	9.27E-08	1.25E-07	0.00E+00	2.18E-07
242	441321.44	3768234.33	1.09E-06	1.22E-06	0.00E+00	2.31E-06	1.23E-06	1.78E-06	0.00E+00	3.00E-06	2.05E-07	3.03E-07	0.00E+00	5.09E-07	8.99E-08	1.21E-07	0.00E+00	2.11E-07
243	441330.35	3768230.69	1.05E-06	1.18E-06	0.00E+00	2.24E-06	1.19E-06	1.72E-06	0.00E+00	2.91E-06	1.99E-07	2.94E-07	0.00E+00	4.93E-07	8.70E-08	1.18E-07	0.00E+00	2.05E-07

244	441357.06	3768219.74	9.54E-07	1.07E-06	0.00E+00	2.03E-06	1.08E-06	1.56E-06	0.00E+00	2.64E-06	1.80E-07	2.66E-07	0.00E+00	4.47E-07	7.89E-08	1.07E-07	0.00E+00	1.86E-07
245	441365.96	3768216.1	9.25E-07	1.04E-06	0.00E+00	1.97E-06	1.04E-06	1.51E-06	0.00E+00	2.56E-06	1.75E-07	2.58E-07	0.00E+00	4.33E-07	7.65E-08	1.03E-07	0.00E+00	1.80E-07
246	441374.86	3768212.45	8.97E-07	1.01E-06	0.00E+00	1.91E-06	1.01E-06	1.47E-06	0.00E+00	2.48E-06	1.70E-07	2.50E-07	0.00E+00	4.20E-07	7.42E-08	1.00E-07	0.00E+00	1.75E-07
247	441383.77	3768208.8	8.71E-07	9.80E-07	0.00E+00	1.85E-06	9.82E-07	1.43E-06	0.00E+00	2.41E-06	1.65E-07	2.43E-07	0.00E+00	4.08E-07	7.20E-08	9.73E-08	0.00E+00	1.69E-07
248	441392.67	3768205.16	8.46E-07	9.52E-07	0.00E+00	1.80E-06	9.54E-07	1.38E-06	0.00E+00	2.34E-06	1.60E-07	2.36E-07	0.00E+00	3.96E-07	6.99E-08	9.46E-08	0.00E+00	1.64E-07
249	441078.16	3768419.58	1.94E-06	2.19E-06	0.00E+00	4.13E-06	2.19E-06	3.18E-06	0.00E+00	5.37E-06	3.67E-07	5.42E-07	0.00E+00	9.09E-07	1.61E-07	2.17E-07	0.00E+00	3.78E-07
250	441081.91	3768410.66	1.92E-06	2.16E-06	0.00E+00	4.09E-06	2.17E-06	3.15E-06	0.00E+00	5.31E-06	3.63E-07	5.36E-07	0.00E+00	9.00E-07	1.59E-07	2.15E-07	0.00E+00	3.74E-07
251	441085.67	3768401.74	1.90E-06	2.14E-06	0.00E+00	4.03E-06	2.14E-06	3.10E-06	0.00E+00	5.24E-06	3.59E-07	5.29E-07	0.00E+00	8.88E-07	1.57E-07	2.12E-07	0.00E+00	3.69E-07
252	441089.42	3768392.82	1.87E-06	2.10E-06	0.00E+00	3.97E-06	2.11E-06	3.06E-06	0.00E+00	5.16E-06	3.53E-07	5.21E-07	0.00E+00	8.75E-07	1.54E-07	2.09E-07	0.00E+00	3.63E-07
253	441093.17	3768383.9	1.84E-06	2.07E-06	0.00E+00	3.91E-06	2.07E-06	3.01E-06	0.00E+00	5.08E-06	3.48E-07	5.13E-07	0.00E+00	8.61E-07	1.52E-07	2.06E-07	0.00E+00	3.58E-07
254	441096.92	3768374.97	1.81E-06	2.04E-06	0.00E+00	3.85E-06	2.04E-06	2.96E-06	0.00E+00	5.00E-06	3.42E-07	5.05E-07	0.00E+00	8.47E-07	1.50E-07	2.02E-07	0.00E+00	3.52E-07
255	441100.67	3768366.05	1.78E-06	2.00E-06	0.00E+00	3.78E-06	2.01E-06	2.91E-06	0.00E+00	4.92E-06	3.36E-07	4.96E-07	0.00E+00	8.33E-07	1.47E-07	1.99E-07	0.00E+00	3.46E-07
256	441104.42	3768357.13	1.75E-06	1.97E-06	0.00E+00	3.71E-06	1.97E-06	2.86E-06	0.00E+00	4.83E-06	3.30E-07	4.87E-07	0.00E+00	8.18E-07	1.44E-07	1.95E-07	0.00E+00	3.40E-07
257	441108.17	3768348.21	1.71E-06	1.93E-06	0.00E+00	3.64E-06	1.93E-06	2.80E-06	0.00E+00	4.74E-06	3.24E-07	4.78E-07	0.00E+00	8.02E-07	1.42E-07	1.92E-07	0.00E+00	3.33E-07
258	441111.93	3768339.29	1.68E-06	1.89E-06	0.00E+00	3.57E-06	1.89E-06	2.75E-06	0.00E+00	4.64E-06	3.17E-07	4.68E-07	0.00E+00	7.86E-07	1.39E-07	1.88E-07	0.00E+00	3.26E-07
259	441115.68	3768330.37	1.64E-06	1.85E-06	0.00E+00	3.49E-06	1.85E-06	2.69E-06	0.00E+00	4.54E-06	3.10E-07	4.58E-07	0.00E+00	7.68E-07	1.36E-07	1.83E-07	0.00E+00	3.19E-07
260	441119.43	3768321.45	1.60E-06	1.80E-06	0.00E+00	3.41E-06	1.81E-06	2.62E-06	0.00E+00	4.43E-06	3.03E-07	4.47E-07	0.00E+00	7.50E-07	1.32E-07	1.79E-07	0.00E+00	3.12E-07
261	441123.18	3768312.53	1.56E-06	1.76E-06	0.00E+00	3.32E-06	1.76E-06	2.56E-06	0.00E+00	4.32E-06	2.95E-07	4.36E-07	0.00E+00	7.31E-07	1.29E-07	1.75E-07	0.00E+00	3.04E-07
262	441126.93	3768303.6	1.52E-06	1.71E-06	0.00E+00	3.23E-06	1.71E-06	2.49E-06	0.00E+00	4.20E-06	2.87E-07	4.24E-07	0.00E+00	7.12E-07	1.26E-07	1.70E-07	0.00E+00	2.96E-07
263	441138.18	3768276.84	1.39E-06	1.57E-06	0.00E+00	2.96E-06	1.57E-06	2.28E-06	0.00E+00	3.85E-06	2.63E-07	3.89E-07	0.00E+00	6.52E-07	1.15E-07	1.56E-07	0.00E+00	2.71E-07
264	441150.89	3768264.25	1.34E-06	1.51E-06	0.00E+00	2.86E-06	1.51E-06	2.20E-06	0.00E+00	3.71E-06	2.54E-07	3.75E-07	0.00E+00	6.29E-07	1.11E-07	1.50E-07	0.00E+00	2.61E-07
265	441159.85	3768260.58	1.34E-06	1.50E-06	0.00E+00	2.84E-06	1.51E-06	2.19E-06	0.00E+00	3.69E-06	2.53E-07	3.73E-07	0.00E+00	6.26E-07	1.11E-07	1.49E-07	0.00E+00	2.60E-07
266	441168.8	3768256.91	1.33E-06	1.49E-06	0.00E+00	2.82E-06	1.50E-06	2.17E-06	0.00E+00	3.67E-06	2.51E-07	3.70E-07	0.00E+00	6.21E-07	1.10E-07	1.48E-07	0.00E+00	2.58E-07
267	441177.76	3768253.24	1.32E-06	1.48E-06	0.00E+00	2.80E-06	1.48E-06	2.16E-06	0.00E+00	3.64E-06	2.49E-07	3.67E-07	0.00E+00	6.16E-07	1.09E-07	1.47E-07	0.00E+00	2.56E-07
268	441186.71	3768249.58	1.30E-06	1.47E-06	0.00E+00	2.77E-06	1.47E-06	2.13E-06	0.00E+00	3.60E-06	2.46E-07	3.64E-07	0.00E+00	6.10E-07	1.08E-07	1.46E-07	0.00E+00	2.53E-07
269	441195.67	3768245.91	1.29E-06	1.45E-06	0.00E+00	2.73E-06	1.45E-06	2.11E-06	0.00E+00	3.56E-06	2.43E-07	3.59E-07	0.00E+00	6.02E-07	1.06E-07	1.44E-07	0.00E+00	2.50E-07
270	441204.62	3768242.24	1.27E-06	1.43E-06	0.00E+00	2.70E-06	1.43E-06	2.07E-06	0.00E+00	3.50E-06	2.40E-07	3.54E-07	0.00E+00	5.93E-07	1.05E-07	1.42E-07	0.00E+00	2.47E-07
271	441213.58	3768238.57	1.25E-06	1.40E-06	0.00E+00	2.65E-06	1.41E-06	2.04E-06	0.00E+00	3.45E-06	2.36E-07	3.48E-07	0.00E+00	5.84E-07	1.03E-07	1.39E-07	0.00E+00	2.43E-07
272	441222.54	3768234.9	1.23E-06	1.38E-06	0.00E+00	2.61E-06	1.38E-06	2.01E-06	0.00E+00	3.39E-06	2.32E-07	3.42E-07	0.00E+00	5.74E-07	1.01E-07	1.37E-07	0.00E+00	2.39E-07
273	441258.36	3768220.23	1.13E-06	1.28E-06	0.00E+00	2.41E-06	1.28E-06	1.85E-06	0.00E+00	3.13E-06	2.14E-07	3.16E-07	0.00E+00	5.30E-07	9.37E-08	1.27E-07	0.00E+00	2.20E-07
274	441267.31	3768216.56	1.11E-06	1.25E-06	0.00E+00	2.36E-06	1.25E-06	1.81E-06	0.00E+00	3.06E-06	2.09E-07	3.09E-07	0.00E+00	5.19E-07	9.16E-08	1.24E-07	0.00E+00	2.15E-07
275	441276.27	3768212.89	1.08E-06	1.22E-06	0.00E+00	2.29E-06	1.22E-06	1.77E-06	0.00E+00	2.98E-06	2.04E-07	3.01E-07	0.00E+00	5.05E-07	8.93E-08	1.21E-07	0.00E+00	2.10E-07
276	441285.23	3768209.22	1.05E-06	1.18E-06	0.00E+00	2.23E-06	1.18E-06	1.72E-06	0.00E+00	2.90E-06	1.98E-07	2.93E-07	0.00E+00	4.91E-07	8.67E-08	1.17E-07	0.00E+00	2.04E-07
277	441294.18	3768205.55	1.02E-06	1.14E-06	0.00E+00	2.16E-06	1.15E-06	1.66E-06	0.00E+00	2.81E-06	1.92E-07	2.84E-07	0.00E+00	4.76E-07	8.40E-08	1.14E-07	0.00E+00	1.98E-07
278	441303.14	3768201.88	9.84E-07	1.11E-06	0.00E+00	2.09E-06	1.11E-06	1.61E-06	0.00E+00	2.72E-06	1.86E-07	2.75E-07	0.00E+00	4.61E-07	8.14E-08	1.10E-07	0.00E+00	1.91E-07
279	441312.09	3768198.22	9.54E-07	1.07E-06	0.00E+00	2.03E-06	1.08E-06	1.56E-06	0.00E+00	2.64E-06	1.80E-07	2.66E-07	0.00E+00	4.46E-07	7.89E-08	1.07E-07	0.00E+00	1.85E-07
280	441321.05	3768194.55	9.23E-07	1.04E-06	0.00E+00	1.96E-06	1.04E-06	1.51E-06	0.00E+00	2.55E-06	1.74E-07	2.57E-07	0.00E+00	4.32E-07	7.63E-08	1.03E-07	0.00E+00	1.79E-07
281	441330	3768190.88	8.92E-07	1.00E-06	0.00E+00	1.90E-06	1.01E-06	1.46E-06	0.00E+00	2.46E-06	1.69E-07	2.49E-07	0.00E+00	4.17E-07	7.37E-08	9.97E-08	0.00E+00	1.73E-07
282	441338.96	3768187.21	8.66E-07	9.75E-07	0.00E+00	1.84E-06	9.76E-07	1.42E-06	0.00E+00	2.39E-06	1.64E-07	2.42E-07	0.00E+00	4.05E-07	7.16E-08	9.68E-08	0.00E+00	1.68E-07
283	441347.91	3768183.54	8.41E-07	9.47E-07	0.00E+00	1.79E-06	9.48E-07	1.38E-06	0.00E+00	2.33E-06	1.59E-07	2.35E-07	0.00E+00	3.94E-07	6.96E-08	9.40E-08	0.00E+00	1.64E-07
284	441356.87	3768179.87	8.18E-07	9.21E-07	0.00E+00	1.74E-06	9.23E-07	1.34E-06	0.00E+00	2.26E-06	1.55E-07	2.28E-07	0.00E+00	3.83E-07	6.77E-08	9.15E-08	0.00E+00	1.59E-07
285	441365.83	3768176.2	7.96E-07	8.96E-07	0.00E+00	1.69E-06	8.97E-07	1.30E-06	0.00E+00	2.20E-06	1.50E-07	2.22E-07	0.00E+00	3.72E-07	6.58E-08	8.89E-08	0.00E+00	1.55E-07
286	441374.78	3768172.54	7.73E-07	8.70E-07	0.00E+00	1.64E-06	8.71E-07	1.26E-06	0.00E+00	2.14E-06	1.46E-07	2.16E-07	0.00E+00	3.62E-07	6.39E-08	8.64E-08	0.00E+00	1.50E-07
287	441383.74	3768168.87	7.50E-07	8.45E-07	0.00E+00	1.59E-06	8.46E-07	1.23E-06	0.00E+00	2.07E-06	1.42E-07	2.09E-07	0.00E+00	3.51E-07	6.20E-08	8.38E-08	0.00E+00	1.46E-07
288	441392.69	3768165.2	7.27E-07	8.19E-07	0.00E+00	1.55E-06	8.20E-07	1.19E-06	0.00E+00	2.01E-06	1.38E-07	2.03E-07	0.00E+00	3.41E-07	6.02E-08	8.13E-08	0.00E+00	1.41E-07
289	440996.94	3768517.39	1.60E-06	1.81E-06	0.00E+00	3.41E-06	1.81E-06	2.63E-06	0.00E+00	4.43E-06	3.03E-07	4.48E-07	0.00E+00	7.51E-07	1.33E-07	1.79E-07	0.00E+00	3.12E-07
290	441000.71	3768508.42	1.63E-06	1.83E-06	0.00E+00	3.46E-06	1.83E-06	2.66E-06	0.00E+00	4.50E-06	3.08E-07	4.54E-07	0.00E+00	7.61E-07	1.35E-07	1.82E-07	0.00E+00	3.16E-07
291	441004.47	3768499.46	1.65E-06	1.86E-06	0.00E+00	3.51E-06	1.86E-06	2.70E-06	0.00E+00	4.56E-06	3.12E-07	4.60E-07	0.00E+00	7.72E-07	1.36E-07	1.84E-07	0.00E+00	3.21E-07
292	441008.24	3768490.5	1.67E-06	1.88E-06	0.00E+00	3.55E-06	1.88E-06	2.73E-06	0.00E+00	4.61E-06	3.15E-07	4.66E-07	0.00E+00	7.81E-07	1.38E-07	1.87E-07	0.00E+00	3.24E-07
293	441012.01	3768481.53	1.69E-06	1.90E-06	0.00E+00	3.58E-06	1.90E-06	2.76E-06	0.00E+00	4.66E-06	3.19E-07	4.70E-07	0.00E+00	7.89E-07	1.39E-07	1.88E-07	0.00E+00	3.28E-07
294	441015.78	3768472.57	1.70E-06	1.91E-06	0.00E+00	3.61E-06	1.91E-06	2.78E-06	0.00E+00	4.70E-06	3.21E-07	4.74E-07	0.00E+00	7.95E-07	1.40E-07	1.90E-07	0.00E+00	3.30E-07
295	441019.55	3768463.6	1.71E-06	1.92E-06	0.00E+00	3.63E-06	1.92E-06	2.79E-06	0.00E+00	4.72E-06	3.23E-07	4.76E-07	0.00E+00	7.99E-07	1.41E-07	1.91E-07	0.00E+00	3.32E-07
296	441042.17	3768409.82	1.68E-06	1.89E-06	0.00E+00	3.57E-06	1.90E-06	2.75E-06	0.00E+00	4.65E-06	3.18E-07	4.69E-07	0.00E+00	7.87E-07	1.39E-07	1.88E-07	0.00E+00	3.27E-07
297	441045.94	3768400.86	1.67E-06	1.88E-06	0.00E+00	3.56E-06	1.89E-06	2.74E-06	0.00E+00	4.62E-06	3.16E-07	4.67E-07	0.00E+00	7.83E-07	1.38E-07	1.87E-07	0.00E+00	3.25E-07
298	441049.71	3768391.89	1.66E-06	1.87E-06	0.00E+00	3.53E-06	1.87E-06	2.72E-06	0.00E+00	4.59E-06	3.14E-07	4.63E-07	0.00E+00	7.77E-07	1.37E-07	1.86E-07	0.00E+00	3.23E-07
299	441053.47	3768382.93	1.65E-06	1.86E-06	0.00E+00	3.51E-06	1.86E-06	2.70E-06	0.00E+00	4.56E-06	3.12E-07	4.60E-07	0.00E+00	7.72E-07	1.36E-07	1.84E-07	0.00E+00	3.21E-07
300	441057.24	3768373.96	1.64E-06	1.84E-06	0.00E+00	3.48E-06	1.85E-06	2.68E-06	0.00E+00	4.53E-06	3.10E-07	4.57E-07	0.00E+00	7.66E-07	1.35E-07	1.83E-07	0.00E+00	3.18E-07
301	441061.01	3768365	1.62E-06	1.83E-06	0.00E+00	3.45E-06	1.83E-06	2.65E-06	0.00E+00	4.48E-06	3.07E-07	4.52E-07	0.00E+00	7.59E-07	1.34E-07	1.81E-07	0.00E+00	3.15E-07
302	441064.78	3768356.04	1.60E-06	1.80E-06	0.00E+00	3.41E-06	1.81E-06	2.62E-06	0.00E+00	4.43E-06	3.03E-07	4.47E-07	0.00E+00	7.50E-07	1.33E-07	1.79E-07	0.00E+00	3.12E-07
303	441068.55	3768347.07	1.58E-06	1.78E-06	0.00E+00	3.36E-06	1.78E-06	2.59E-06	0.00E+00	4.37E-06	2.99E-07	4.42E-07	0.00E+00	7.41E-07	1.31E-07	1.77E-07	0.00E+00	3.08E-07
304	441072.32	3768338.11	1.56E-06	1.76E-06	0.00E+00	3.32E-06	1.76E-06	2.55E-06	0.00E+00	4.31E-06	2.95E-07	4.35E-07	0.00E+00	7.30E-07	1.29E-07	1.74E-07	0.00E+00	3.03E-07
305	441076.09	3768329.14	1.54E-06	1.73E-06	0.00E+00	3.27E-06	1.73E-06	2.51E-06	0.00E+00	4.25E-06	2.90E-07	4.29E-07	0.00E+00	7.19E-07	1.27E-07	1.72E-07	0.00E+00	2.99E-07
306	441079.86	3768320.18	1.51E-06	1.70E-06	0.00E+00	3.21E-06	1.70E-06	2.47E-06	0.00E+00	4.17E-06	2.85E-07	4.21E-07	0.00E+00	7.06E-07	1.25E-07	1.69E-07	0.00E+00	2.93E-07
307	441083.63	3768311.22	1.48E-06	1.67E-06	0.00E+00	3.15E-06	1.67E-06	2.42E-06	0.00E+00	4.09E-06	2.80E-07	4.13E-07	0.00E+00	6.93E-07	1.22E-07	1.65E-07	0.00E+00	2.88E-07
308	441087.4	3768302.25	1.45E-06	1.63E-06	0.00E+00	3.08E-06	1.63E-06	2.37E-06	0.00E+00	4.01E-06	2.74E-07	4.04E-07	0.00E+00	6.78E-07	1.20E-07	1.62E-07	0.00E+00	2.82E-07
309	441091.17	3768293.29	1.42E-06	1.60E-06	0.00E+00	3.01E-06	1.60E-06	2.32E-06	0.00E+00	3.92E-06	2.68E-07	3.96E-07	0.00E+00	6.64E-07	1.17E-07	1.58E-07	0.00E+00	2.76E-07
310	441098.71	3768275.36	1.35E-06	1.52E-06	0.00E+00	2.88E-06	1.52E-06	2.21E-06	0.00E+00	3.74E-06	2.56E-07	3.77E-07	0.00E+00	6.33E-07	1.12E-07	1.51E-07	0.00E+00	2.63E-07
311	441102.47	3768266.4	1.32E-06	1.49E-06	0.00E+00	2.81E-06	1.49E-06	2.16E-06	0.00E+00	3.65E-06	2.50E-07	3.68E-07	0.00E+00	6.18E-07	1.09E-07	1.48E-07	0.00E+00	2.57E-07
312	441106.24	3768257.43	1.29E-06	1.45E-06	0.00E+00	2.74E-06	1.45E-06	2.11E-06	0.00E+00	3.56E-06	2.44E-07	3.60E-07	0.00E+00	6.04E-07	1.07E-07	1.44E-07	0.00E+00	2.51E-07
313	441110.01	3768248.47	1.26E-06	1.42E-06	0.00E+00	2.67E-06	1.42E-06	2.06E-06	0.00E+00	3.47E-06	2.38E-07	3.51E-07	0.00E+00	5.88E-07	1.04E-07	1.41E-07	0.00E+00	2.44E-07
314	441122.78	3768235.82	1.21E-06	1.36E-06	0.00E+00	2.58E-06	1.37E-06	1.98E-06	0.00E+00	3.35E-06	2.29E-07	3.38E-07	0.00E+00	5.67E-07	1.00E-07	1.36E-07	0.00E+00	2.36E-07
315	441131.78	3768232.13	1.21E-06	1.36E-06	0.00E+00	2.56E-06	1.36E-06	1.97E-06	0.00E+00	3.33E-06	2.28E-07	3.36E-07	0.00E+00	5.64E-07	9.97E-08	1.35E-07	0.00E+00	2.34E-07
316	441140.78	3768228.45	1.20E-06	1.35E-06	0.00E+00	2.54E-06	1.35E-06	1.96E-06	0.00E+00	3.31E-06	2.26E-07	3.34E-07	0.00E+00	5.60E-07	9.89E-08	1.34E-07	0.00E+00	2.33E-07
317	441149.78	3768224.76	1.19E-06	1.33E-06	0.00E+00	2.52E-06	1.34E-06	1.94E-06	0.00E+00	3.28E-06	2.24E-07	3.31E-07	0.00E+00	5.55E-07	9.80E-08	1.32E-07	0.00E+00	2.30E-07
318	441158.77	3768221.07	1.18E-06	1.32E-06	0.00E+00	2.50E-06	1.33E-06	1.92E-06	0.00E+00	3.25E-06	2.22E-07	3.28E-07	0.00E+00	5.50E-07	9.72E-08	1.31E-07	0.00E+00	2.29E-07
319	441167.77	3768217.39	1.17E-06	1.31E-06	0.00E+00	2.48E-06	1.31E-06	1.91E-06	0.00E+00	3.22E-06	2.20E-07	3.25E-07	0.00E+00	5.45E-07	9.63E-08	1.30E-07	0.00E+00	2.27E-07
320	441176.77	3768213.7	1.15E-06	1.30E-06	0.00E+00	2.45E-06	1.30E-06	1.89E-06	0.00E+00	3.19E-06	2.18E-07	3.22E-07	0.00E+00	5.40E-07	9.53E-08	1.29E-07	0.00E+00	2.24E-07
321	441185.77	3768210.02	1.14E-06	1.28E-06	0.00E+00	2.42E-06	1.28E-06	1.86E-06	0.00E+00	3.15E-06	2.15E-07	3.18E-07	0.00E+00	5.33E-07	9.41E-08	1.27E-07	0.00E+00	2.21E-07
322	441194.77	3768206.33	1.12E-06	1.26E-06	0.00E+00	2.39E-06	1.27E-06	1.84E-06	0.00E+00	3.10E-06	2.12E-07	3.13E-07	0.00E+00	5.25E-07	9.28E-08	1.25E-07	0.00E+00	2.18E-07
323	441203.77	3768202.64	1.11E-06	1.25E-06	0.00E+00	2.35E-06	1.25E-06	1.81E-06	0.00E+00	3.06E-06	2.09E-07	3.09E-07	0.00E+00	5.18E-07	9.14E-08	1.24E-07	0.00E+00	2.15E-07
324	441212.77	3768198.96	1.09E-06	1.22E-06	0.00E+00	2.31E-06	1.23E-06	1.78E-06	0.00E+00	3.01E-06	2.06E-07	3.04E-07	0.00E+00	5.09E-07	8.99E-08	1.22E-07	0.00E+00	2.12E-07
325	441221.76	3768195.27	1.07E-06	1.20E-06	0.00E+00	2.27E-06	1.20E-06	1.75E-06	0.00E+00	2.95E-06	2.02E-07	2.98E-07	0.00E+00	5.00E-07	8.83E-08	1.19E-07	0.00E+00	2.08E-07
326	441257.76	3768180.53	9.76E-07	1.10E-06	0.00E+00	2.07E-06	1.10E-06	1.60E-06	0.00E+00	2.70E-06	1.85E-07	2.72E-07	0.00E+00	4.57E-07	8.07E-08	1.09E-07	0.00E+00	1.90E-07
327	441266.76	3768176.84	9.4929E-07	1.0688E-06	0.00E+00	2.02E-06	1.07E-06	1.55E-06	0.00E+00	2.62E-06	1.79E-07	2.65E-07	0.00E+00	4.44E-07	7.85E-08	1.06E-07	0.00E+00	1.85E-07
328	441275.75	3768173.15	9.2191E-07	1.0379E-06	0.00E+00	1.96E-06	1.04E-06	1.51E-06	0.00E+00	2.55E-06	1.74E-07	2.57E-07	0.00E+00	4.32E-07	7.62E-08	1.03E-07	0.00E+00	1.79E-07
329	441284.75	3768169.47	8.9405E-07	1.0066E-06	0.00E+00	1.90E-06	1.01E-06	1.46E-06	0.00E+00	2.47E-06	1.69E-07	2.49E-07	0.00E+00	4.18E-07	7.39E-08	9.99E-08	0.00E+00	1.74E-07
330	441293.75	3768165.78	8.6579E-07	9.7477E-07	0.00E+00	1.84E-06	9.76E-07	1.42E-06	0.00E+00	2.39E-06	1.64E-07	2.42E-07	0.00E+00	4.05E-07	7.16E-08	9.68E-08	0.00E+00	1.68E-07
331	441302.75	3768162.1	8.3799E-07	9.4346E-07	0.00E+00	1.78E-06	9.45E-07	1.37E-06	0.00E+00	2.32E-06	1.58E-07	2.34E-07	0.00E+00	3.92E-07	6.93E-08	9.37E-08	0.00E+00	1.63E-07
332	441311.75	3768158.41	8.1227E-07	9.145E-07	0.00E+00	1.73E-06	9.16E-07	1.33E-06	0.00E+00	2.24E-06	1.54E-07	2.27E-07	0.00E+00	3.80E-07	6.72E-08	9.08E-08	0.00E+00	1.58E-07
333	441320.75	3768154.72	7.8742E-07	8.8653E-07	0.00E+00	1.67E-06	8.88E-07	1.29E-06	0.00E+00	2.18E-06	1.49E-07	2.20E-07	0.00E+00	3.69E-07	6.51E-08	8.80E-08	0.00E+00	1.53E-07
334	441329.75	3768151.04	7.6357E-07	8.5967E-07	0.00E+00	1.62E-06	8.61E-07	1.25E-06	0.00E+00	2.11E-06	1.44E-07	2.13E-07	0.00E+00	3.57E-07	6.31E-08	8.53E-08	0.00E+00	1.48E-07
335	441338.74	3768147.35	7.4447E-07	8.3817E-07	0.00E+00	1.58E-06	8.39E-07	1.22E-06	0.00E+00	2.06E-06	1.41E-07	2.08E-07	0.00E+00	3.48E-07	6.16E-08	8.32E-08	0.00E+00	1.45E-07
336	441347.74	3768143.67	7.2551E-07	8.1682E-07	0.00E+00	1.54E-06	8.18E-07	1.19E-06	0.00E+00	2.01E-06	1.37E-07	2.02E-07	0.00E+00	3.40E-07	6.00E-08	8.11E-08	0.00E+00	1.41E-07
337	441356.74	3768139.98	7.0642E-07	7.9533E-07	0.00E+00	1.50E-06	7.96E-07	1.16E-06	0.00E+00	1.95E-06	1.34E-07	1.97E-07	0.00E+00	3.31E-07	5.84E-08	7.90E-08	0.00E+00	1.37E-07
338	441365.74	3768136.29	6.8639E-07	7.7278E-07	0.00E+00	1.46E-06	7.74E-07	1.12E-06	0.00E+00	1.90E-06	1.30E-07	1.92E-07	0.00E+00	3.21E-07	5.68E-08	7.67E-08	0.00E+00	1.33E-07
339	441374.74	3768132.61	6.6593E-07	7.4974E-07	0.00E+00	1.42E-06	7.51E-07	1.09E-06	0.00E+00	1.84E-06	1.26E-07	1.86E-07	0.00E+00	3.12E-07	5.51E-08	7.44E-08	0.00E+00	1.29E-07
340	441383.74	3768128.92	6.4566E-07	7.2692E-07	0.00E+00	1.37E-06	7.28E-07	1.06E-06	0.00E+00	1.78E-06	1.22E-07	1.80E-07	0.00E+00	3.02E-07	5.34E-08	7.22E-08	0.00E+00	1.26E-07
341	441392.73	3768125.23	6.261E-07	7.049E-07	0.00E+00	1.33E-06	7.06E-07	1.02E-06	0.00E+00	1.73E-06	1.18E-07	1.75E-07	0.00E+00	2.93E-07	5.18E-08	7.00E-08	0.00E+00	1.22E-07
342	440998.59	3768418.08	1.4867E-06	1.6738E-06	0.00E+00	3.16E-06	1.68E-06	2.43E-06	0.00E+00	4.11E-06	2.81E-07	4.15E-07	0.00E+00	6.96E-07	1.23E-07	1.66E-07	0.00E+00	2.89E-07
343	441002.38	3768409.08	1.4836E-06	1.6703E-06	0.00E+00	3.15E-06	1.67E-06	2.43E-06	0.00E+00	4.10E-06	2.80E-07	4.14E-07	0.00E+00	6.94E-07	1.23E-07	1.66E-07	0.00E+00	2.88E-07
344	441006.16	3768400.08	1.4787E-06	1.6649E-06	0.00E+00	3.14E-06	1.67E-06	2.42E-06	0.00E+00	4.09E-06	2.80E-07	4.13E-07	0.00E+00	6.92E-07	1.22E-07	1.65E-07	0.00E+00	2.88E-07
345	441009.95	3768391.08	1.4725E-06	1.6578E-06	0.00E+00	3.13E-06	1.66E-06	2.41E-06	0.00E+00	4.07E-06	2.78E-07	4.11E-07	0.00E+00	6.89E-07	1.22E-07	1.65E-07	0.00E+00	2.86E-07
346	441013.73	3768382.08	1.4685E-06	1.6534E-06	0.00E+00	3.12E-06	1.66E-06	2.40E-06	0.00E+00	4.06E-06	2.78E-07	4.10E-07	0.00E+00	6.87E-07	1.21E-07	1.64E-07	0.00E+00	2.86E-07
347	441017.51	3768373.08	1.4644E-06	1.6487E-06	0.00E+00	3.11E-06	1.65E-06	2.40E-06	0.00E+00	4.05E-06	2.77E-07	4.09E-07	0.00E+00	6.85E-07	1.21E-07	1.64E-07	0.00E+00	2.85E-07
348	441036.43	3768328.08	1.4162E-06	1.5945E-06	0.00E+00	3.01E-06	1.60E-06	2.32E-06	0.00E+00	3.91E-06	2.68E-07	3.95E-07	0.00E+00	6.63E-07	1.17E-07	1.58E-07	0.00E+00	2.75E-07
349	441040.22	3768319.08	1.3998E-06	0.000001576	0.00E+00	2.98E-06	1.58E-06	2.29E-06	0.00E+00	3.87E-06	2.65E-07	3.91E-07	0.00E+00	6.55E-07	1.16E-07	1.56E-07	0.00E+00	2.72E-07
350	441044	3768310.08	0.000001382	0.000001556	0.00E+00	2.94E-06	1.56E-06	2.26E-06	0.00E+00	3.82E-06	2.61E-07	3.86E-07	0.00E+00	6.47E-07	1.14E-07	1.54E-07	0.00E+00	2.69E-07
351	441047.79	3768301.09	1.3629E-06	1.5344E-06	0.00E+00	2.90E-06	1.54E-06	2.23E-06	0.00E+00	3.77E-06	2.58E-07	3.80E-07	0.00E+00	6.38E-07	1.13E-07	1.52E-07	0.00E+00	2.65E-07
352	441051.57	3768292.09	1.3426E-06	1.5115E-06	0.00E+00	2.85E-06	1.51E-06	2.20E-06	0.00E+00	3.71E-06	2.54E-07	3.75E-07	0.00E+00	6.28E-07	1.11E-07	1.50E-07	0.00E+00	2.61E-07
353	441059.14	3768274.09	0.000001299	1.4625E-06	0.00E+00	2.76E-06	1.46E-06	2.13E-06	0.00E+00	3.59E-06	2.46E-07	3.62E-07	0.00E+00	6.08E-07	1.07E-07	1.45E-07	0.00E+00	2.53E-07
354	441062.92	3768265.09	0.000001275	1.4355E-06	0.00E+00	2.71E-06	1.44E-06	2.09E-06	0.00E+00	3.52E-06	2.41E-07	3.56E-07	0.00E+00	5.97E-07	1.05E-07	1.43E-07	0.00E+00	2.48E-07
355	441066.71	3768256.09	1.2505E-06	1.4079E-06	0.00E+00	2.66E-06	1.41E-06	2.05E-06	0.00E+00	3.46E-06	2.36E-07	3.49E-07	0.00E+00	5.85E-07	1.03E-07	1.40E-07	0.00E+00	2.43E-07
356	441070.49	3768247.09	1.2258E-06	1.3801E-06	0.00E+00	2.61E-06	1.38E-06	2.01E-06	0.00E+00	3.39E-06	2.32E-07	3.42E-07	0.00E+00	5.74E-07	1.01E-07	1.37E-07	0.00E+00	2.38E-07
357	441074.28	3768238.09	1.2007E-06	1.3518E-06	0.00E+00	2.55E-06	1.35E-06	1.97E-06	0.00E+00	3.32E-06	2.27E-07	3.35E-07	0.00E+00	5.62E-07	9.93E-08	1.34E-07	0.00E+00	2.33E-07
358	441078.06	3768229.09	1.1738E-06	1.3215E-06	0.00E+00	2.50E-06	1.32E-06	1.92E-06	0.00E+00	3.24E-06	2.22E-07	3.28E-07	0.00E+00	5.49E-07	9.71E-08	1.31E-07	0.00E+00	2.28E-07
359	441081.84	3768220.09	1.1466E-06	1.2909E-06	0.00E+00	2.44E-06	1.29E-06	1.88E-06	0.00E+00	3.17E-06	2.17E-07	3.20E-07	0.00E+00	5.37E-07	9.48E-08	1.28E-07	0.00E+00	2.23E-07
360	441094.66	3768207.39	1.1101E-06	1.2499E-06	0.00E+00	2.36E-06	1.25E-06	1.82E-06	0.00E+00	3.07E-06	2.10E-07	3.10E-07	0.00E+00	5.20E-07	9.18E-08	1.24E-07	0.00E+00	2.16E-07
361	441103.7	3768203.69	1.0986E-06	1.2369E-06	0.00E+00	2.34E-06	1.24E-06	1.80E-06	0.00E+00	3.04E-06	2.08E-07	3.07E-07	0.00E+00	5.14E-07	9.08E-08	1.23E-07	0.00E+00	2.14E-07
362	441112.73	3768199.99	1.0857E-06	1.2223E-06	0.00E+00	2.31E-06	1.22E-06	1.78E-06	0.00E+00	3.00E-06	2.05E-07	3.03E-07	0.00E+00	5.08E-07	8.98E-08	1.21E-07	0.00E+00	2.11E-07
363	441121.77	3768196.29	1.0727E-06	1.2077E-06	0.00E+00	2.28E-06	1.21E-06	1.76E-06	0.00E+00	2.96E-06	2.03E-07	2.99E-07	0.00E+00	5.02E-07	8.87E-08	1.20E-07	0.00E+00	2.09E-07
364	441130.8	3768192.59	1.0635E-06	1.1973E-06	0.00E+00	2.26E-06	1.20E-06	1.74E-06	0.00E+00	2.94E-06	2.01E-07	2.97E-07	0.00E+00	4.98E-07	8.79E-08	1.19E-07	0.00E+00	2.07E-07
365	441139.83	3768188.89	1.0551E-06	1.1879E-06	0.00E+00	2.24E-06	1.19E-06	1.73E-06	0.00E+00	2.92E-06	1.99E-07	2.94E-07	0.00E+00	4.94E-07	8.72E-08	1.18E-07	0.00E+00	2.05E-07
366	441148.87	3768185.18	1.0474E-06	1.1792E-06	0.00E+00	2.23E-06	1.18E-06	1.71E-06	0.00E+00	2.89E-06	1.98E-07	2.92E-07	0.00E+00	4.90E-07	8.66E-08	1.17E-07	0.00E+00	2.04E-07

367	441157.9	3768181.48	1.0387E-06	1.1695E-06	0.00E+00	2.21E-06	1.17E-06	1.70E-06	0.00E+00	2.87E-06	1.96E-07	2.90E-07	0.00E+00	4.86E-07	8.59E-08	1.16E-07	0.00E+00	2.02E-07
368	441166.94	3768177.78	1.0286E-06	0.000001158	0.00E+00	2.19E-06	1.16E-06	1.68E-06	0.00E+00	2.84E-06	1.94E-07	2.87E-07	0.00E+00	4.81E-07	8.51E-08	1.15E-07	0.00E+00	2.00E-07
369	441175.97	3768174.08	1.0175E-06	1.1456E-06	0.00E+00	2.16E-06	1.15E-06	1.67E-06	0.00E+00	2.81E-06	1.92E-07	2.84E-07	0.00E+00	4.76E-07	8.41E-08	1.14E-07	0.00E+00	1.98E-07
370	441185	3768170.38	1.0041E-06	1.1305E-06	0.00E+00	2.13E-06	1.13E-06	1.64E-06	0.00E+00	2.78E-06	1.90E-07	2.80E-07	0.00E+00	4.70E-07	8.30E-08	1.12E-07	0.00E+00	1.95E-07
371	441194.04	3768166.68	9.8891E-07	1.1134E-06	0.00E+00	2.10E-06	1.11E-06	1.62E-06	0.00E+00	2.73E-06	1.87E-07	2.76E-07	0.00E+00	4.63E-07	8.18E-08	1.11E-07	0.00E+00	1.92E-07
372	441203.07	3768162.98	9.7324E-07	1.0957E-06	0.00E+00	2.07E-06	1.10E-06	1.59E-06	0.00E+00	2.69E-06	1.84E-07	2.72E-07	0.00E+00	4.56E-07	8.05E-08	1.09E-07	0.00E+00	1.89E-07
373	441212.11	3768159.28	9.5634E-07	1.0767E-06	0.00E+00	2.03E-06	1.08E-06	1.57E-06	0.00E+00	2.64E-06	1.81E-07	2.67E-07	0.00E+00	4.48E-07	7.91E-08	1.07E-07	0.00E+00	1.86E-07
374	441221.14	3768155.58	9.3604E-07	1.0539E-06	0.00E+00	1.99E-06	1.06E-06	1.53E-06	0.00E+00	2.59E-06	1.77E-07	2.61E-07	0.00E+00	4.38E-07	7.74E-08	1.05E-07	0.00E+00	1.82E-07
375	441257.28	3768140.78	8.4305E-07	9.4916E-07	0.00E+00	1.79E-06	9.50E-07	1.38E-06	0.00E+00	2.33E-06	1.59E-07	2.35E-07	0.00E+00	3.95E-07	6.97E-08	9.42E-08	0.00E+00	1.64E-07
376	441266.31	3768137.07	0.000000819	9.2208E-07	0.00E+00	1.74E-06	9.23E-07	1.34E-06	0.00E+00	2.26E-06	1.55E-07	2.29E-07	0.00E+00	3.83E-07	6.77E-08	9.15E-08	0.00E+00	1.59E-07
377	441275.35	3768133.37	7.9537E-07	8.9547E-07	0.00E+00	1.69E-06	8.97E-07	1.30E-06	0.00E+00	2.20E-06	1.50E-07	2.22E-07	0.00E+00	3.72E-07	6.58E-08	8.89E-08	0.00E+00	1.55E-07
378	441284.38	3768129.67	7.7222E-07	8.6941E-07	0.00E+00	1.64E-06	8.70E-07	1.26E-06	0.00E+00	2.13E-06	1.46E-07	2.15E-07	0.00E+00	3.61E-07	6.39E-08	8.63E-08	0.00E+00	1.50E-07
379	441293.42	3768125.97	7.4965E-07	0.000000844	0.00E+00	1.59E-06	8.45E-07	1.23E-06	0.00E+00	2.07E-06	1.42E-07	2.09E-07	0.00E+00	3.51E-07	6.20E-08	8.38E-08	0.00E+00	1.46E-07
380	441302.45	3768122.27	7.2829E-07	8.1996E-07	0.00E+00	1.55E-06	8.21E-07	1.19E-06	0.00E+00	2.01E-06	1.38E-07	2.03E-07	0.00E+00	3.41E-07	6.02E-08	8.14E-08	0.00E+00	1.42E-07
381	441311.48	3768118.57	7.0876E-07	7.9797E-07	0.00E+00	1.51E-06	7.99E-07	1.16E-06	0.00E+00	1.96E-06	1.34E-07	1.98E-07	0.00E+00	3.32E-07	5.86E-08	7.92E-08	0.00E+00	1.38E-07
382	441320.52	3768114.87	6.899E-07	7.7673E-07	0.00E+00	1.47E-06	7.78E-07	1.13E-06	0.00E+00	1.91E-06	1.30E-07	1.92E-07	0.00E+00	3.23E-07	5.70E-08	7.71E-08	0.00E+00	1.34E-07
383	441329.55	3768111.17	6.718E-07	7.5636E-07	0.00E+00	1.43E-06	7.57E-07	1.10E-06	0.00E+00	1.86E-06	1.27E-07	1.87E-07	0.00E+00	3.14E-07	5.55E-08	7.51E-08	0.00E+00	1.31E-07
384	441338.59	3768107.47	6.547E-07	7.371E-07	0.00E+00	1.39E-06	7.38E-07	1.07E-06	0.00E+00	1.81E-06	1.24E-07	1.83E-07	0.00E+00	3.06E-07	5.41E-08	7.32E-08	0.00E+00	1.27E-07
385	441347.62	3768103.77	6.3756E-07	7.1781E-07	0.00E+00	1.36E-06	7.19E-07	1.04E-06	0.00E+00	1.76E-06	1.21E-07	1.78E-07	0.00E+00	2.98E-07	5.27E-08	7.13E-08	0.00E+00	1.24E-07
386	441356.65	3768100.07	6.205E-07	6.986E-07	0.00E+00	1.32E-06	6.99E-07	1.02E-06	0.00E+00	1.71E-06	1.17E-07	1.73E-07	0.00E+00	2.90E-07	5.13E-08	6.94E-08	0.00E+00	1.21E-07
387	441365.69	3768096.37	6.0404E-07	6.8006E-07	0.00E+00	1.28E-06	6.81E-07	9.89E-07	0.00E+00	1.67E-06	1.14E-07	1.69E-07	0.00E+00	2.83E-07	4.99E-08	6.75E-08	0.00E+00	1.17E-07
388	441374.72	3768092.67	5.8851E-07	6.6258E-07	0.00E+00	1.25E-06	6.63E-07	9.63E-07	0.00E+00	1.63E-06	1.11E-07	1.64E-07	0.00E+00	2.75E-07	4.87E-08	6.58E-08	0.00E+00	1.14E-07
389	441383.76	3768088.96	5.7384E-07	6.4607E-07	0.00E+00	1.22E-06	6.47E-07	9.39E-07	0.00E+00	1.59E-06	1.08E-07	1.60E-07	0.00E+00	2.69E-07	4.74E-08	6.41E-08	0.00E+00	1.12E-07
390	441392.79	3768085.26	5.6016E-07	6.3066E-07	0.00E+00	1.19E-06	6.31E-07	9.17E-07	0.00E+00	1.55E-06	1.06E-07	1.56E-07	0.00E+00	2.62E-07	4.63E-08	6.26E-08	0.00E+00	1.09E-07
391	440958.76	3768417.45	1.3019E-06	1.4657E-06	0.00E+00	2.77E-06	1.47E-06	2.13E-06	0.00E+00	3.60E-06	2.46E-07	3.63E-07	0.00E+00	6.09E-07	1.08E-07	1.46E-07	0.00E+00	2.53E-07
392	440962.55	3768408.42	1.3049E-06	1.4692E-06	0.00E+00	2.77E-06	1.47E-06	2.14E-06	0.00E+00	3.61E-06	2.47E-07	3.64E-07	0.00E+00	6.11E-07	1.08E-07	1.46E-07	0.00E+00	2.54E-07
393	440966.35	3768399.39	1.3057E-06	0.00000147	0.00E+00	2.78E-06	1.47E-06	2.14E-06	0.00E+00	3.61E-06	2.47E-07	3.64E-07	0.00E+00	6.11E-07	1.08E-07	1.46E-07	0.00E+00	2.54E-07
394	440970.15	3768390.36	1.3039E-06	0.000001468	0.00E+00	2.77E-06	1.47E-06	2.13E-06	0.00E+00	3.60E-06	2.46E-07	3.64E-07	0.00E+00	6.10E-07	1.08E-07	1.46E-07	0.00E+00	2.54E-07
395	440973.95	3768381.33	1.3022E-06	1.4661E-06	0.00E+00	2.77E-06	1.47E-06	2.13E-06	0.00E+00	3.60E-06	2.46E-07	3.63E-07	0.00E+00	6.10E-07	1.08E-07	1.46E-07	0.00E+00	2.53E-07
396	440977.74	3768372.3	1.2993E-06	1.4628E-06	0.00E+00	2.76E-06	1.46E-06	2.13E-06	0.00E+00	3.59E-06	2.46E-07	3.63E-07	0.00E+00	6.08E-07	1.07E-07	1.45E-07	0.00E+00	2.53E-07
397	440981.54	3768363.27	1.2954E-06	1.4585E-06	0.00E+00	2.75E-06	1.46E-06	2.12E-06	0.00E+00	3.58E-06	2.45E-07	3.61E-07	0.00E+00	6.06E-07	1.07E-07	1.45E-07	0.00E+00	2.52E-07
398	440985.34	3768354.24	1.2919E-06	1.4545E-06	0.00E+00	2.75E-06	1.46E-06	2.11E-06	0.00E+00	3.57E-06	2.44E-07	3.60E-07	0.00E+00	6.05E-07	1.07E-07	1.44E-07	0.00E+00	2.51E-07
399	440989.13	3768345.21	0.000001288	1.4501E-06	0.00E+00	2.74E-06	1.45E-06	2.11E-06	0.00E+00	3.56E-06	2.43E-07	3.59E-07	0.00E+00	6.03E-07	1.06E-07	1.44E-07	0.00E+00	2.50E-07
400	440992.93	3768336.18	1.2832E-06	1.4447E-06	0.00E+00	2.73E-06	1.45E-06	2.10E-06	0.00E+00	3.55E-06	2.43E-07	3.58E-07	0.00E+00	6.01E-07	1.06E-07	1.43E-07	0.00E+00	2.50E-07
401	440996.73	3768327.15	1.2772E-06	0.000001438	0.00E+00	2.72E-06	1.44E-06	2.09E-06	0.00E+00	3.53E-06	2.41E-07	3.56E-07	0.00E+00	5.98E-07	1.06E-07	1.43E-07	0.00E+00	2.48E-07
402	441000.52	3768318.12	1.2701E-06	1.4299E-06	0.00E+00	2.70E-06	1.43E-06	2.08E-06	0.00E+00	3.51E-06	2.40E-07	3.54E-07	0.00E+00	5.94E-07	1.05E-07	1.42E-07	0.00E+00	2.47E-07
403	441004.32	3768309.09	1.2613E-06	1.4201E-06	0.00E+00	2.68E-06	1.42E-06	2.06E-06	0.00E+00	3.49E-06	2.38E-07	3.52E-07	0.00E+00	5.90E-07	1.04E-07	1.41E-07	0.00E+00	2.45E-07
404	441008.12	3768300.06	1.2511E-06	1.4086E-06	0.00E+00	2.66E-06	1.41E-06	2.05E-06	0.00E+00	3.46E-06	2.37E-07	3.49E-07	0.00E+00	5.86E-07	1.03E-07	1.40E-07	0.00E+00	2.43E-07
405	441015.71	3768282	1.2251E-06	1.3793E-06	0.00E+00	2.60E-06	1.38E-06	2.00E-06	0.00E+00	3.39E-06	2.32E-07	3.42E-07	0.00E+00	5.73E-07	1.01E-07	1.37E-07	0.00E+00	2.38E-07
406	441019.51	3768272.97	1.2109E-06	1.3633E-06	0.00E+00	2.57E-06	1.36E-06	1.98E-06	0.00E+00	3.35E-06	2.29E-07	3.38E-07	0.00E+00	5.67E-07	1.00E-07	1.35E-07	0.00E+00	2.35E-07
407	441023.3	3768263.94	1.1949E-06	1.3453E-06	0.00E+00	2.54E-06	1.35E-06	1.96E-06	0.00E+00	3.30E-06	2.26E-07	3.33E-07	0.00E+00	5.59E-07	9.88E-08	1.34E-07	0.00E+00	2.32E-07
408	441027.1	3768254.91	0.000001178	1.3263E-06	0.00E+00	2.50E-06	1.33E-06	1.93E-06	0.00E+00	3.26E-06	2.23E-07	3.29E-07	0.00E+00	5.51E-07	9.74E-08	1.32E-07	0.00E+00	2.29E-07
409	441030.9	3768245.88	1.1602E-06	1.3062E-06	0.00E+00	2.47E-06	1.31E-06	1.90E-06	0.00E+00	3.21E-06	2.19E-07	3.24E-07	0.00E+00	5.43E-07	9.59E-08	1.30E-07	0.00E+00	2.26E-07
410	441034.69	3768236.85	1.1406E-06	1.2841E-06	0.00E+00	2.42E-06	1.29E-06	1.87E-06	0.00E+00	3.15E-06	2.16E-07	3.18E-07	0.00E+00	5.34E-07	9.43E-08	1.27E-07	0.00E+00	2.22E-07
411	441038.49	3768227.82	1.1199E-06	1.2609E-06	0.00E+00	2.38E-06	1.26E-06	1.83E-06	0.00E+00	3.10E-06	2.12E-07	3.12E-07	0.00E+00	5.24E-07	9.26E-08	1.25E-07	0.00E+00	2.18E-07
412	441042.29	3768218.79	1.0991E-06	1.2375E-06	0.00E+00	2.34E-06	1.24E-06	1.80E-06	0.00E+00	3.04E-06	2.08E-07	3.07E-07	0.00E+00	5.14E-07	9.09E-08	1.23E-07	0.00E+00	2.14E-07
413	441046.09	3768209.76	1.0782E-06	1.2139E-06	0.00E+00	2.29E-06	1.22E-06	1.76E-06	0.00E+00	2.98E-06	2.04E-07	3.01E-07	0.00E+00	5.05E-07	8.92E-08	1.21E-07	0.00E+00	2.10E-07
414	441049.88	3768200.73	1.0546E-06	1.1874E-06	0.00E+00	2.24E-06	1.19E-06	1.73E-06	0.00E+00	2.91E-06	1.99E-07	2.94E-07	0.00E+00	4.94E-07	8.72E-08	1.18E-07	0.00E+00	2.05E-07
415	441053.68	3768191.7	1.0305E-06	1.1602E-06	0.00E+00	2.19E-06	1.16E-06	1.69E-06	0.00E+00	2.85E-06	1.95E-07	2.88E-07	0.00E+00	4.82E-07	8.52E-08	1.15E-07	0.00E+00	2.00E-07
416	441066.54	3768178.96	9.9779E-07	1.1234E-06	0.00E+00	2.12E-06	1.12E-06	1.63E-06	0.00E+00	2.76E-06	1.89E-07	2.78E-07	0.00E+00	4.67E-07	8.25E-08	1.12E-07	0.00E+00	1.94E-07
417	441075.6	3768175.25	9.8639E-07	1.1105E-06	0.00E+00	2.10E-06	1.11E-06	1.61E-06	0.00E+00	2.73E-06	1.86E-07	2.75E-07	0.00E+00	4.62E-07	8.16E-08	1.10E-07	0.00E+00	1.92E-07
418	441084.67	3768171.54	9.7318E-07	1.0957E-06	0.00E+00	2.07E-06	1.10E-06	1.59E-06	0.00E+00	2.69E-06	1.84E-07	2.72E-07	0.00E+00	4.56E-07	8.05E-08	1.09E-07	0.00E+00	1.89E-07
419	441093.73	3768167.82	9.6014E-07	0.000001081	0.00E+00	2.04E-06	1.08E-06	1.57E-06	0.00E+00	2.65E-06	1.82E-07	2.68E-07	0.00E+00	4.49E-07	7.94E-08	1.07E-07	0.00E+00	1.87E-07
420	441102.8	3768164.11	9.4904E-07	1.0685E-06	0.00E+00	2.02E-06	1.07E-06	1.55E-06	0.00E+00	2.62E-06	1.79E-07	2.65E-07	0.00E+00	4.44E-07	7.85E-08	1.06E-07	0.00E+00	1.85E-07
421	441111.86	3768160.4	9.374E-07	1.0554E-06	0.00E+00	1.99E-06	1.06E-06	1.53E-06	0.00E+00	2.59E-06	1.77E-07	2.62E-07	0.00E+00	4.39E-07	7.75E-08	1.05E-07	0.00E+00	1.82E-07
422	441120.93	3768156.68	9.2634E-07	1.0429E-06	0.00E+00	1.97E-06	1.04E-06	1.52E-06	0.00E+00	2.56E-06	1.75E-07	2.58E-07	0.00E+00	4.34E-07	7.66E-08	1.04E-07	0.00E+00	1.80E-07
423	441129.99	3768152.97	9.2355E-07	1.0398E-06	0.00E+00	1.96E-06	1.04E-06	1.51E-06	0.00E+00	2.55E-06	1.75E-07	2.58E-07	0.00E+00	4.32E-07	7.64E-08	1.03E-07	0.00E+00	1.80E-07
424	441139.06	3768149.26	9.2069E-07	1.0366E-06	0.00E+00	1.96E-06	1.04E-06	1.51E-06	0.00E+00	2.54E-06	1.74E-07	2.57E-07	0.00E+00	4.31E-07	7.61E-08	1.03E-07	0.00E+00	1.79E-07
425	441148.12	3768145.54	9.1759E-07	1.0331E-06	0.00E+00	1.95E-06	1.03E-06	1.50E-06	0.00E+00	2.54E-06	1.73E-07	2.56E-07	0.00E+00	4.29E-07	7.59E-08	1.03E-07	0.00E+00	1.78E-07
426	441157.18	3768141.83	9.1116E-07	1.0258E-06	0.00E+00	1.94E-06	1.03E-06	1.49E-06	0.00E+00	2.52E-06	1.72E-07	2.54E-07	0.00E+00	4.26E-07	7.53E-08	1.02E-07	0.00E+00	1.77E-07
427	441166.25	3768138.12	9.0284E-07	1.0165E-06	0.00E+00	1.92E-06	1.02E-06	1.48E-06	0.00E+00	2.50E-06	1.71E-07	2.52E-07	0.00E+00	4.23E-07	7.47E-08	1.01E-07	0.00E+00	1.76E-07
428	441175.31	3768134.4	0.000000893	1.0054E-06	0.00E+00	1.90E-06	1.01E-06	1.46E-06	0.00E+00	2.47E-06	1.69E-07	2.49E-07	0.00E+00	4.18E-07	7.38E-08	9.98E-08	0.00E+00	1.74E-07
429	441184.38	3768130.69	8.8062E-07	9.9146E-07	0.00E+00	1.87E-06	9.93E-07	1.44E-06	0.00E+00	2.43E-06	1.66E-07	2.46E-07	0.00E+00	4.12E-07	7.28E-08	9.84E-08	0.00E+00	1.71E-07
430	441193.44	3768126.98	8.6631E-07	9.7535E-07	0.00E+00	1.84E-06	9.77E-07	1.42E-06	0.00E+00	2.39E-06	1.64E-07	2.42E-07	0.00E+00	4.05E-07	7.16E-08	9.68E-08	0.00E+00	1.68E-07
431	441202.51	3768123.26	8.515E-07	9.5867E-07	0.00E+00	1.81E-06	9.60E-07	1.39E-06	0.00E+00	2.35E-06	1.61E-07	2.38E-07	0.00E+00	3.99E-07	7.04E-08	9.52E-08	0.00E+00	1.66E-07
432	441211.57	3768119.55	8.3551E-07	9.4067E-07	0.00E+00	1.78E-06	9.42E-07	1.37E-06	0.00E+00	2.31E-06	1.58E-07	2.33E-07	0.00E+00	3.91E-07	6.91E-08	9.34E-08	0.00E+00	1.62E-07
433	441220.63	3768115.84	8.1535E-07	9.1797E-07	0.00E+00	1.73E-06	9.19E-07	1.33E-06	0.00E+00	2.25E-06	1.54E-07	2.27E-07	0.00E+00	3.82E-07	6.74E-08	9.11E-08	0.00E+00	1.59E-07
434	441247.83	3768104.7	7.5653E-07	8.5175E-07	0.00E+00	1.61E-06	8.53E-07	1.24E-06	0.00E+00	2.09E-06	1.43E-07	2.11E-07	0.00E+00	3.54E-07	6.26E-08	8.46E-08	0.00E+00	1.47E-07
435	441256.89	3768100.99	7.3819E-07	8.311E-07	0.00E+00	1.57E-06	8.32E-07	1.21E-06	0.00E+00	2.04E-06	1.40E-07	2.06E-07	0.00E+00	3.46E-07	6.10E-08	8.25E-08	0.00E+00	1.44E-07
436	441265.96	3768097.27	7.1984E-07	8.1044E-07	0.00E+00	1.53E-06	8.11E-07	1.18E-06	0.00E+00	1.99E-06	1.36E-07	2.01E-07	0.00E+00	3.37E-07	5.95E-08	8.05E-08	0.00E+00	1.40E-07
437	441275.02	3768093.56	7.0096E-07	7.8919E-07	0.00E+00	1.49E-06	7.90E-07	1.15E-06	0.00E+00	1.94E-06	1.33E-07	1.96E-07	0.00E+00	3.28E-07	5.80E-08	7.83E-08	0.00E+00	1.36E-07
438	441284.09	3768089.85	6.8144E-07	7.672E-07	0.00E+00	1.45E-06	7.68E-07	1.12E-06	0.00E+00	1.88E-06	1.29E-07	1.90E-07	0.00E+00	3.19E-07	5.63E-08	7.62E-08	0.00E+00	1.33E-07
439	441293.15	3768086.13	6.6177E-07	7.4506E-07	0.00E+00	1.41E-06	7.46E-07	1.08E-06	0.00E+00	1.83E-06	1.25E-07	1.85E-07	0.00E+00	3.10E-07	5.47E-08	7.40E-08	0.00E+00	1.29E-07
440	441302.21	3768082.42	6.4313E-07	7.2408E-07	0.00E+00	1.37E-06	7.25E-07	1.05E-06	0.00E+00	1.78E-06	1.22E-07	1.79E-07	0.00E+00	3.01E-07	5.32E-08	7.19E-08	0.00E+00	1.25E-07
441	441311.28	3768078.71	6.2789E-07	7.0692E-07	0.00E+00	1.33E-06	7.08E-07	1.03E-06	0.00E+00	1.74E-06	1.19E-07	1.75E-07	0.00E+00	2.94E-07	5.19E-08	7.02E-08	0.00E+00	1.22E-07
442	441320.34	3768074.99	6.1288E-07	6.9001E-07	0.00E+00	1.30E-06	6.91E-07	1.00E-06	0.00E+00	1.69E-06	1.16E-07	1.71E-07	0.00E+00	2.87E-07	5.07E-08	6.85E-08	0.00E+00	1.19E-07
443	441329.41	3768071.28	5.9813E-07	6.7341E-07	0.00E+00	1.27E-06	6.74E-07	9.79E-07	0.00E+00	1.65E-06	1.13E-07	1.67E-07	0.00E+00	2.80E-07	4.95E-08	6.69E-08	0.00E+00	1.16E-07
444	441338.47	3768067.57	5.8423E-07	6.5777E-07	0.00E+00	1.24E-06	6.59E-07	9.56E-07	0.00E+00	1.61E-06	1.10E-07	1.63E-07	0.00E+00	2.73E-07	4.83E-08	6.53E-08	0.00E+00	1.14E-07
445	441347.54	3768063.85	5.7114E-07	6.4302E-07	0.00E+00	1.21E-06	6.44E-07	9.35E-07	0.00E+00	1.58E-06	1.08E-07	1.59E-07	0.00E+00	2.67E-07	4.72E-08	6.38E-08	0.00E+00	1.11E-07
446	441356.6	3768060.14	5.5888E-07	6.2922E-07	0.00E+00	1.19E-06	6.30E-07	9.15E-07	0.00E+00	1.54E-06	1.06E-07	1.56E-07	0.00E+00	2.62E-07	4.62E-08	6.25E-08	0.00E+00	1.09E-07
447	440922.71	3768407.81	1.1391E-06	1.2825E-06	0.00E+00	2.42E-06	1.28E-06	1.86E-06	0.00E+00	3.15E-06	2.15E-07	3.18E-07	0.00E+00	5.33E-07	9.42E-08	1.27E-07	0.00E+00	2.22E-07
448	440926.52	3768398.76	0.000001145	1.2891E-06	0.00E+00	2.43E-06	1.29E-06	1.87E-06	0.00E+00	3.16E-06	2.16E-07	3.19E-07	0.00E+00	5.36E-07	9.47E-08	1.28E-07	0.00E+00	2.23E-07
449	440930.32	3768389.7	1.1495E-06	1.2942E-06	0.00E+00	2.44E-06	1.30E-06	1.88E-06	0.00E+00	3.18E-06	2.17E-07	3.21E-07	0.00E+00	5.38E-07	9.50E-08	1.28E-07	0.00E+00	2.24E-07
450	440934.13	3768380.65	1.1528E-06	1.2979E-06	0.00E+00	2.45E-06	1.30E-06	1.89E-06	0.00E+00	3.19E-06	2.18E-07	3.22E-07	0.00E+00	5.40E-07	9.53E-08	1.29E-07	0.00E+00	2.24E-07
451	440937.94	3768371.59	1.1547E-06	0.0000013	0.00E+00	2.45E-06	1.30E-06	1.89E-06	0.00E+00	3.19E-06	2.18E-07	3.22E-07	0.00E+00	5.40E-07	9.55E-08	1.29E-07	0.00E+00	2.25E-07
452	440941.75	3768362.54	1.1548E-06	1.3002E-06	0.00E+00	2.46E-06	1.30E-06	1.89E-06	0.00E+00	3.19E-06	2.18E-07	3.22E-07	0.00E+00	5.41E-07	9.55E-08	1.29E-07	0.00E+00	2.25E-07
453	440945.55	3768353.48	1.1544E-06	1.2997E-06	0.00E+00	2.45E-06	1.30E-06	1.89E-06	0.00E+00	3.19E-06	2.18E-07	3.22E-07	0.00E+00	5.40E-07	9.55E-08	1.29E-07	0.00E+00	2.24E-07
454	440949.36	3768344.42	1.1532E-06	1.2983E-06	0.00E+00	2.45E-06	1.30E-06	1.89E-06	0.00E+00	3.19E-06	2.18E-07	3.22E-07	0.00E+00	5.40E-07	9.54E-08	1.29E-07	0.00E+00	2.24E-07
455	440953.17	3768335.37	1.1507E-06	1.2955E-06	0.00E+00	2.45E-06	1.30E-06	1.88E-06	0.00E+00	3.18E-06	2.18E-07	3.21E-07	0.00E+00	5.39E-07	9.51E-08	1.29E-07	0.00E+00	2.24E-07
456	440956.98	3768326.31	1.1468E-06	1.2912E-06	0.00E+00	2.44E-06	1.29E-06	1.88E-06	0.00E+00	3.17E-06	2.17E-07	3.20E-07	0.00E+00	5.37E-07	9.48E-08	1.28E-07	0.00E+00	2.23E-07
457	440960.78	3768317.26	1.1418E-06	1.2855E-06	0.00E+00	2.43E-06	1.29E-06	1.87E-06	0.00E+00	3.16E-06	2.16E-07	3.19E-07	0.00E+00	5.34E-07	9.44E-08	1.28E-07	0.00E+00	2.22E-07
458	440964.59	3768308.2	1.1355E-06	1.2784E-06	0.00E+00	2.41E-06	1.28E-06	1.86E-06	0.00E+00	3.14E-06	2.15E-07	3.17E-07	0.00E+00	5.31E-07	9.39E-08	1.27E-07	0.00E+00	2.21E-07
459	440968.4	3768299.15	0.000001128	0.00000127	0.00E+00	2.40E-06	1.27E-06	1.85E-06	0.00E+00	3.12E-06	2.13E-07	3.15E-07	0.00E+00	5.28E-07	9.33E-08	1.26E-07	0.00E+00	2.19E-07
460	440976.02	3768281.04	1.1132E-06	1.2533E-06	0.00E+00	2.37E-06	1.25E-06	1.82E-06	0.00E+00	3.08E-06	2.10E-07	3.11E-07	0.00E+00	5.21E-07	9.20E-08	1.24E-07	0.00E+00	2.16E-07
461	440979.82	3768271.98	1.1045E-06	1.2435E-06	0.00E+00	2.35E-06	1.25E-06	1.81E-06	0.00E+00	3.05E-06	2.09E-07	3.08E-07	0.00E+00	5.17E-07	9.13E-08	1.23E-07	0.00E+00	2.15E-07
462	440983.63	3768262.93	1.0936E-06	1.2313E-06	0.00E+00	2.32E-06	1.23E-06	1.79E-06	0.00E+00	3.02E-06	2.07E-07	3.05E-07	0.00E+00	5.12E-07	9.04E-08	1.22E-07	0.00E+00	2.13E-07
463	440987.44	3768253.87	1.0815E-06	1.2176E-06	0.00E+00	2.30E-06	1.22E-06	1.77E-06	0.00E+00	2.99E-06	2.04E-07	3.02E-07	0.00E+00	5.06E-07	8.94E-08	1.21E-07	0.00E+00	2.10E-07
464	440991.25	3768244.81	1.0685E-06	0.000001203	0.00E+00	2.27E-06	1.20E-06	1.75E-06	0.00E+00	2.95E-06	2.02E-07	2.98E-07	0.00E+00	5.00E-07	8.83E-08	1.19E-07	0.00E+00	2.08E-07
465	440995.05	3768235.76	1.0547E-06	1.1874E-06	0.00E+00	2.24E-06	1.19E-06	1.73E-06	0.00E+00	2.91E-06	1.99E-07	2.94E-07	0.00E+00	4.94E-07	8.72E-08	1.18E-07	0.00E+00	2.05E-07
466	440998.86	3768226.7	1.0402E-06	1.1712E-06	0.00E+00	2.21E-06	1.17E-06	1.70E-06	0.00E+00	2.88E-06	1.97E-07	2.90E-07	0.00E+00	4.87E-07	8.60E-08	1.16E-07	0.00E+00	2.02E-07
467	441002.67	3768217.65	1.0257E-06	1.1548E-06	0.00E+00	2.18E-06	1.16E-06	1.68E-06	0.00E+00	2.83E-06	1.94E-07	2.86E-07	0.00E+00	4.80E-07	8.48E-08	1.15E-07	0.00E+00	1.99E-07
468	441006.48	3768208.59	1.0105E-06	1.1377E-06	0.00E+00	2.15E-06	1.14E-06	1.65E-06	0.00E+00	2.79E-06	1.91E-07	2.82E-07	0.00E+00	4.73E-07	8.36E-08	1.13E-07	0.00E+00	1.96E-07
469	441010.28	3768199.54	9.9356E-07	1.1186E-06	0.00E+00	2.11E-06	1.12E-06	1.63E-06	0.00E+00	2.75E-06	1.88E-07	2.77E-07	0.00E+00	4.65E-07	8.22E-08	1.11E-07	0.00E+00	1.93E-07
470	441014.09	3768190.48	9.7625E-07	1.0991E-06	0.00E+00	2.08E-06	1.10E-06	1.60E-06	0.00E+00	2.70E-06	1.85E-07	2.72E-07	0.00E+00	4.57E-07	8.07E-08	1.09E-07	0.00E+00	1.90E-07
471	441017.9	3768181.43	9.5862E-07	1.0793E-06	0.00E+00	2.04E-06	1.08E-06	1.57E-06	0.00E+00	2.65E-06	1.81E-07	2.67E-07	0.00E+00	4.49E-07	7.93E-08	1.07E-07	0.00E+00	1.86E-07
472	441021.71	3768172.37	9.4013E-07	1.0585E-06	0.00E+00	2.00E-06	1.06E-06	1.54E-06	0.00E+00	2.60E-06	1.78E-07	2.62E-07	0.00E+00	4.40E-07	7.77E-08	1.05E-07	0.00E+00	1.83E-07
473	441025.52	3768163.32	9.2071E-07	1.0366E-06	0.00E+00	1.96E-06	1.04E-06	1.51E-06	0.00E+00	2.54E-06	1.74E-07	2.57E-07	0.00E+00	4.31E-07	7.61E-08	1.03E-07	0.00E+00	1.79E-07
474	441038.41	3768150.54	8.9552E-07	1.0082E-06	0.00E+00	1.90E-06	1.01E-06	1.47E-06	0.00E+00	2.47E-06	1.69E-07	2.50E-07	0.00E+00	4.19E-07	7.40E-08	1.00E-07	0.00E+00	1.74E-07
475	441047.5	3768146.81	8.9095E-07	1.0031E-06	0.00E+00	1.89E-06	1.00E-06	1.46E-06	0.00E+00	2.46E-06	1.68E-07	2.49E-07	0.00E+00	4.17E-07	7.37E-08	9.96E-08	0.00E+00	1.73E-07
476	441056.59	3768143.09	8.8657E-07	9.9816E-07	0.00E+00	1.88E-06	9.99E-07	1.45E-06	0.00E+00	2.45E-06	1.68E-07	2.47E-07	0.00E+00	4.15E-07	7.33E-08	9.91E-08	0.00E+00	1.72E-07
477	441065.68	3768139.37	8.7977E-07	9.905E-07	0.00E+00	1.87E-06	9.92E-07	1.44E-06	0.00E+00	2.43E-06	1.66E-07	2.45E-07	0.00E+00	4.12E-07	7.27E-08	9.83E-08	0.00E+00	1.71E-07
478	441074.77	3768135.64	8.7114E-07	9.8078E-07	0.00E+00	1.85E-06	9.82E-07	1.43E-06	0.00E+00	2.41E-06	1.65E-07	2.43E-07	0.00E+00	4.08E-07	7.20E-08	9.74E-08	0.00E+00	1.69E-07
479	441083.86	3768131.92	8.6202E-07	9.7051E-07	0.00E+00	1.83E-06	9.72E-07	1.41E-06	0.00E+00	2.38E-06	1.63E-07	2.41E-07	0.00E+00	4.03E-07	7.13E-08	9.63E-08	0.00E+00	1.68E-07
480	441092.95	3768128.19	8.5366E-07	9.611E-07	0.00E+00	1.81E-06	9.62E-07	1.40E-06	0.00E+00	2.36E-06	1.61E-07	2.38E-07	0.00E+00	4.00E-07	7.06E-08	9.54E-08	0.00E+00	1.66E-07
481	441102.05	3768124.47	8.4731E-07	9.5395E-07	0.00E+00	1.80E-06	9.55E-07	1.39E-06	0.00E+00	2.34E-06	1.60E-07	2.36E-07	0.00E+00	3.97E-07	7.01E-08	9.47E-08	0.00E+00	1.65E-07
482	441111.14	3768120.75	8.402E-07	9.4595E-07	0.00E+00	1.79E-06	9.47E-07	1.38E-06	0.00E+00	2.32E-06	1.59E-07	2.34E-07	0.00E+00	3.93E-07	6.95E-08	9.39E-08	0.00E+00	1.63E-07
483	441120.23	3768117.02	8.3245E-07	9.3722E-07	0.00E+00	1.77E-06	9.38E-07	1.36E-06	0.00E+00	2.30E-06	1.57E-07	2.32E-07	0.00E+00	3.90E-07	6.88E-08	9.30E-08	0.00E+00	1.62E-07
484	441129.32	3768113.3	8.2776E-07	9.3194E-07	0.00E+00	1.76E-06	9.33E-07	1.35E-06	0.00E+00	2.29E-06	1.56E-07	2.31E-07	0.00E+00	3.87E-07	6.84E-08	9.25E-08	0.00E+00	1.61E-07
485	441138.41	3768109.58	8.214E-07	9.2478E-07	0.00E+00	1.75E-06	9.26E-07	1.34E-06	0.00E+00	2.27E-06	1.55E-07	2.29E-07	0.00E+00	3.84E-07	6.79E-08	9.18E-08	0.00E+00	1.60E-07
486	441147.5	3768105.85	8.135E-07	9.1589E-07	0.00E+00	1.73E-06	9.17E-07	1.33E-06	0.00E+00	2.25E-06	1.54E-07	2.27E-07	0.00E+00	3.81E-07	6.73E-08	9.09E-08	0.00E+00	1.58E-07
487	441156.59	3768102.13	8.0478E-07	9.0607E-07	0.00E+00	1.71E-06	9.07E-07	1.32E-06	0.00E+00	2.22E-06	1.52E-07	2.25E-07	0.00E+00	3.77E-07	6.65E-08	9.00E-08	0.00E+00	1.56E-07
488	441165.68	3768098.4	7.9517E-07	8.9525E-07	0.00E+00	1.69E-06	8.96E-07	1.30E-06	0.00E+00	2.20E-06	1.50E-07	2.22E-07	0.00E+00	3.72E-07	6.57E-08	8.89E-08	0.00E+00	1.55E-07
489	441174.77	3768094.68	7.8468E-07	8.8345E-07	0.00E+00	1.67E-06	8.84E-07	1.28E-06	0.00E+00	2.17E-06	1.48E-07	2.19E-07	0.00E+00	3.67E-07	6.49E-08	8.77E-08	0.00E+00	1.53E-07

490	441183.86	3768090.96	7.7296E-07	8.7025E-07	0.00E+00	1.64E-06	8.71E-07	1.27E-06	0.00E+00	2.14E-06	1.46E-07	2.16E-07	0.00E+00	3.62E-07	6.39E-08	8.64E-08	0.00E+00	1.50E-07
491	441192.95	3768087.23	7.6017E-07	8.5585E-07	0.00E+00	1.62E-06	8.57E-07	1.24E-06	0.00E+00	2.10E-06	1.44E-07	2.12E-07	0.00E+00	3.56E-07	6.29E-08	8.50E-08	0.00E+00	1.48E-07
492	441202.04	3768083.51	7.471E-07	8.4113E-07	0.00E+00	1.59E-06	8.42E-07	1.22E-06	0.00E+00	2.06E-06	1.41E-07	2.08E-07	0.00E+00	3.50E-07	6.18E-08	8.35E-08	0.00E+00	1.45E-07
493	441238.4	3768068.61	6.8642E-07	7.7281E-07	0.00E+00	1.46E-06	7.74E-07	1.12E-06	0.00E+00	1.90E-06	1.30E-07	1.92E-07	0.00E+00	3.21E-07	5.68E-08	7.67E-08	0.00E+00	1.33E-07
494	441247.49	3768064.89	6.7111E-07	7.5557E-07	0.00E+00	1.43E-06	7.56E-07	1.10E-06	0.00E+00	1.85E-06	1.27E-07	1.87E-07	0.00E+00	3.14E-07	5.55E-08	7.50E-08	0.00E+00	1.31E-07
495	441256.58	3768061.17	6.5608E-07	7.3865E-07	0.00E+00	1.39E-06	7.40E-07	1.07E-06	0.00E+00	1.81E-06	1.24E-07	1.83E-07	0.00E+00	3.07E-07	5.42E-08	7.33E-08	0.00E+00	1.28E-07
496	441265.67	3768057.44	6.4058E-07	7.212E-07	0.00E+00	1.36E-06	7.22E-07	1.05E-06	0.00E+00	1.77E-06	1.21E-07	1.79E-07	0.00E+00	3.00E-07	5.30E-08	7.16E-08	0.00E+00	1.25E-07
497	440879.02	3768416.34	9.8026E-07	1.1036E-06	0.00E+00	2.08E-06	1.10E-06	1.60E-06	0.00E+00	2.71E-06	1.85E-07	2.74E-07	0.00E+00	4.59E-07	8.11E-08	1.10E-07	0.00E+00	1.91E-07
498	440882.84	3768407.26	9.892E-07	1.1137E-06	0.00E+00	2.10E-06	1.12E-06	1.62E-06	0.00E+00	2.73E-06	1.87E-07	2.76E-07	0.00E+00	4.63E-07	8.18E-08	1.11E-07	0.00E+00	1.92E-07
499	440886.66	3768398.18	9.9741E-07	1.1229E-06	0.00E+00	2.12E-06	1.12E-06	1.63E-06	0.00E+00	2.76E-06	1.89E-07	2.78E-07	0.00E+00	4.67E-07	8.25E-08	1.11E-07	0.00E+00	1.94E-07
500	440890.47	3768389.1	1.0048E-06	1.1312E-06	0.00E+00	2.14E-06	1.13E-06	1.64E-06	0.00E+00	2.78E-06	1.90E-07	2.80E-07	0.00E+00	4.70E-07	8.31E-08	1.12E-07	0.00E+00	1.95E-07
501	440894.29	3768380.02	1.0119E-06	1.1392E-06	0.00E+00	2.15E-06	1.14E-06	1.66E-06	0.00E+00	2.80E-06	1.91E-07	2.82E-07	0.00E+00	4.74E-07	8.37E-08	1.13E-07	0.00E+00	1.97E-07
502	440898.11	3768370.95	1.0177E-06	1.1458E-06	0.00E+00	2.16E-06	1.15E-06	1.67E-06	0.00E+00	2.81E-06	1.92E-07	2.84E-07	0.00E+00	4.76E-07	8.41E-08	1.14E-07	0.00E+00	1.98E-07
503	440921.01	3768316.48	1.0313E-06	1.1611E-06	0.00E+00	2.19E-06	1.16E-06	1.69E-06	0.00E+00	2.85E-06	1.95E-07	2.88E-07	0.00E+00	4.83E-07	8.53E-08	1.15E-07	0.00E+00	2.01E-07
504	440924.83	3768307.4	1.0298E-06	1.1594E-06	0.00E+00	2.19E-06	1.16E-06	1.69E-06	0.00E+00	2.85E-06	1.95E-07	2.87E-07	0.00E+00	4.82E-07	8.51E-08	1.15E-07	0.00E+00	2.00E-07
505	440936.28	3768280.17	1.0188E-06	0.000001147	0.00E+00	2.17E-06	1.15E-06	1.67E-06	0.00E+00	2.82E-06	1.93E-07	2.84E-07	0.00E+00	4.77E-07	8.42E-08	1.14E-07	0.00E+00	1.98E-07
506	440940.1	3768271.09	1.0136E-06	1.1412E-06	0.00E+00	2.15E-06	1.14E-06	1.66E-06	0.00E+00	2.80E-06	1.92E-07	2.83E-07	0.00E+00	4.74E-07	8.38E-08	1.13E-07	0.00E+00	1.97E-07
507	440943.91	3768262.01	1.0044E-06	1.1308E-06	0.00E+00	2.14E-06	1.13E-06	1.64E-06	0.00E+00	2.78E-06	1.90E-07	2.80E-07	0.00E+00	4.70E-07	8.30E-08	1.12E-07	0.00E+00	1.95E-07
508	440947.73	3768252.93	9.9417E-07	1.1193E-06	0.00E+00	2.11E-06	1.12E-06	1.63E-06	0.00E+00	2.75E-06	1.88E-07	2.77E-07	0.00E+00	4.65E-07	8.22E-08	1.11E-07	0.00E+00	1.93E-07
509	440951.55	3768243.86	9.8348E-07	1.1073E-06	0.00E+00	2.09E-06	1.11E-06	1.61E-06	0.00E+00	2.72E-06	1.86E-07	2.74E-07	0.00E+00	4.60E-07	8.13E-08	1.10E-07	0.00E+00	1.91E-07
510	440955.36	3768234.78	9.7142E-07	1.0937E-06	0.00E+00	2.07E-06	1.09E-06	1.59E-06	0.00E+00	2.68E-06	1.84E-07	2.71E-07	0.00E+00	4.55E-07	8.03E-08	1.09E-07	0.00E+00	1.89E-07
511	440959.18	3768225.7	9.5827E-07	1.0789E-06	0.00E+00	2.04E-06	1.08E-06	1.57E-06	0.00E+00	2.65E-06	1.81E-07	2.67E-07	0.00E+00	4.49E-07	7.92E-08	1.07E-07	0.00E+00	1.86E-07
512	440963	3768216.62	9.4489E-07	1.0638E-06	0.00E+00	2.01E-06	1.07E-06	1.55E-06	0.00E+00	2.61E-06	1.79E-07	2.64E-07	0.00E+00	4.42E-07	7.81E-08	1.06E-07	0.00E+00	1.84E-07
513	440966.82	3768207.55	9.317E-07	0.000001049	0.00E+00	1.98E-06	1.05E-06	1.52E-06	0.00E+00	2.58E-06	1.76E-07	2.60E-07	0.00E+00	4.36E-07	7.70E-08	1.04E-07	0.00E+00	1.81E-07
514	440970.63	3768198.47	9.1971E-07	1.0355E-06	0.00E+00	1.96E-06	1.04E-06	1.51E-06	0.00E+00	2.54E-06	1.74E-07	2.57E-07	0.00E+00	4.30E-07	7.60E-08	1.03E-07	0.00E+00	1.79E-07
515	440974.45	3768189.39	9.0785E-07	1.0221E-06	0.00E+00	1.93E-06	1.02E-06	1.49E-06	0.00E+00	2.51E-06	1.72E-07	2.53E-07	0.00E+00	4.25E-07	7.51E-08	1.01E-07	0.00E+00	1.77E-07
516	440978.27	3768180.31	8.9505E-07	1.0077E-06	0.00E+00	1.90E-06	1.01E-06	1.46E-06	0.00E+00	2.47E-06	1.69E-07	2.50E-07	0.00E+00	4.19E-07	7.40E-08	1.00E-07	0.00E+00	1.74E-07
517	440982.08	3768171.23	8.8298E-07	9.9411E-07	0.00E+00	1.88E-06	9.95E-07	1.45E-06	0.00E+00	2.44E-06	1.67E-07	2.46E-07	0.00E+00	4.13E-07	7.30E-08	9.87E-08	0.00E+00	1.72E-07
518	440985.9	3768162.16	8.7012E-07	9.7963E-07	0.00E+00	1.85E-06	9.81E-07	1.42E-06	0.00E+00	2.40E-06	1.64E-07	2.43E-07	0.00E+00	4.07E-07	7.19E-08	9.73E-08	0.00E+00	1.69E-07
519	440989.72	3768153.08	8.5656E-07	9.6437E-07	0.00E+00	1.82E-06	9.66E-07	1.40E-06	0.00E+00	2.37E-06	1.62E-07	2.39E-07	0.00E+00	4.01E-07	7.08E-08	9.57E-08	0.00E+00	1.67E-07
520	440993.54	3768144	8.4423E-07	9.5049E-07	0.00E+00	1.79E-06	9.52E-07	1.38E-06	0.00E+00	2.33E-06	1.60E-07	2.36E-07	0.00E+00	3.95E-07	6.98E-08	9.44E-08	0.00E+00	1.64E-07
521	440997.35	3768134.92	8.3208E-07	9.3681E-07	0.00E+00	1.77E-06	9.38E-07	1.36E-06	0.00E+00	2.30E-06	1.57E-07	2.32E-07	0.00E+00	3.89E-07	6.88E-08	9.30E-08	0.00E+00	1.62E-07
522	441010.28	3768122.11	8.1748E-07	9.2037E-07	0.00E+00	1.74E-06	9.21E-07	1.34E-06	0.00E+00	2.26E-06	1.55E-07	2.28E-07	0.00E+00	3.83E-07	6.76E-08	9.14E-08	0.00E+00	1.59E-07
523	441019.4	3768118.38	8.1451E-07	9.1702E-07	0.00E+00	1.73E-06	9.18E-07	1.33E-06	0.00E+00	2.25E-06	1.54E-07	2.27E-07	0.00E+00	3.81E-07	6.73E-08	9.10E-08	0.00E+00	1.58E-07
524	441028.51	3768114.65	8.1059E-07	9.1261E-07	0.00E+00	1.72E-06	9.14E-07	1.33E-06	0.00E+00	2.24E-06	1.53E-07	2.26E-07	0.00E+00	3.79E-07	6.70E-08	9.06E-08	0.00E+00	1.58E-07
525	441037.62	3768110.91	8.0778E-07	9.0945E-07	0.00E+00	1.72E-06	9.11E-07	1.32E-06	0.00E+00	2.23E-06	1.53E-07	2.25E-07	0.00E+00	3.78E-07	6.68E-08	9.03E-08	0.00E+00	1.57E-07
526	441046.73	3768107.18	8.0435E-07	9.0559E-07	0.00E+00	1.71E-06	9.07E-07	1.32E-06	0.00E+00	2.22E-06	1.52E-07	2.24E-07	0.00E+00	3.76E-07	6.65E-08	8.99E-08	0.00E+00	1.56E-07
527	441055.85	3768103.45	7.9991E-07	9.0059E-07	0.00E+00	1.70E-06	9.02E-07	1.31E-06	0.00E+00	2.21E-06	1.51E-07	2.23E-07	0.00E+00	3.74E-07	6.61E-08	8.94E-08	0.00E+00	1.56E-07
528	441064.96	3768099.71	7.9419E-07	8.9415E-07	0.00E+00	1.69E-06	8.95E-07	1.30E-06	0.00E+00	2.19E-06	1.50E-07	2.22E-07	0.00E+00	3.72E-07	6.57E-08	8.88E-08	0.00E+00	1.54E-07
529	441074.07	3768095.98	7.8834E-07	8.8756E-07	0.00E+00	1.68E-06	8.89E-07	1.29E-06	0.00E+00	2.18E-06	1.49E-07	2.20E-07	0.00E+00	3.69E-07	6.52E-08	8.81E-08	0.00E+00	1.53E-07
530	441083.18	3768092.25	7.8277E-07	8.8129E-07	0.00E+00	1.66E-06	8.82E-07	1.28E-06	0.00E+00	2.16E-06	1.48E-07	2.18E-07	0.00E+00	3.66E-07	6.47E-08	8.75E-08	0.00E+00	1.52E-07
531	441092.3	3768088.52	7.7638E-07	8.741E-07	0.00E+00	1.65E-06	8.75E-07	1.27E-06	0.00E+00	2.15E-06	1.47E-07	2.17E-07	0.00E+00	3.63E-07	6.42E-08	8.68E-08	0.00E+00	1.51E-07
532	441101.41	3768084.78	7.6763E-07	8.6424E-07	0.00E+00	1.63E-06	8.65E-07	1.26E-06	0.00E+00	2.12E-06	1.45E-07	2.14E-07	0.00E+00	3.59E-07	6.35E-08	8.58E-08	0.00E+00	1.49E-07
533	441110.52	3768081.05	7.5867E-07	8.5416E-07	0.00E+00	1.61E-06	8.55E-07	1.24E-06	0.00E+00	2.10E-06	1.43E-07	2.12E-07	0.00E+00	3.55E-07	6.27E-08	8.48E-08	0.00E+00	1.48E-07
534	441119.64	3768077.32	7.495E-07	8.4383E-07	0.00E+00	1.59E-06	8.45E-07	1.23E-06	0.00E+00	2.07E-06	1.42E-07	2.09E-07	0.00E+00	3.51E-07	6.20E-08	8.38E-08	0.00E+00	1.46E-07
535	441128.75	3768073.58	7.4129E-07	8.3459E-07	0.00E+00	1.58E-06	8.36E-07	1.21E-06	0.00E+00	2.05E-06	1.40E-07	2.07E-07	0.00E+00	3.47E-07	6.13E-08	8.29E-08	0.00E+00	1.44E-07
536	441137.86	3768069.85	7.3294E-07	8.2519E-07	0.00E+00	1.56E-06	8.26E-07	1.20E-06	0.00E+00	2.03E-06	1.39E-07	2.05E-07	0.00E+00	3.43E-07	6.06E-08	8.19E-08	0.00E+00	1.43E-07
537	441146.97	3768066.12	7.2438E-07	8.1556E-07	0.00E+00	1.54E-06	8.17E-07	1.19E-06	0.00E+00	2.00E-06	1.37E-07	2.02E-07	0.00E+00	3.39E-07	5.99E-08	8.10E-08	0.00E+00	1.41E-07
538	441156.09	3768062.39	7.1501E-07	0.000000805	0.00E+00	1.52E-06	8.06E-07	1.17E-06	0.00E+00	1.98E-06	1.35E-07	2.00E-07	0.00E+00	3.35E-07	5.91E-08	7.99E-08	0.00E+00	1.39E-07
539	441165.2	3768058.65	7.047E-07	7.9339E-07	0.00E+00	1.50E-06	7.94E-07	1.15E-06	0.00E+00	1.95E-06	1.33E-07	1.97E-07	0.00E+00	3.30E-07	5.83E-08	7.88E-08	0.00E+00	1.37E-07
540	440839.13	3768415.84	8.5545E-07	9.6312E-07	0.00E+00	1.82E-06	9.64E-07	1.40E-06	0.00E+00	2.36E-06	1.62E-07	2.39E-07	0.00E+00	4.00E-07	7.07E-08	9.56E-08	0.00E+00	1.66E-07
541	440842.96	3768406.74	8.6355E-07	9.7223E-07	0.00E+00	1.84E-06	9.73E-07	1.41E-06	0.00E+00	2.39E-06	1.63E-07	2.41E-07	0.00E+00	4.04E-07	7.14E-08	9.65E-08	0.00E+00	1.68E-07
542	440846.78	3768397.64	8.7169E-07	9.814E-07	0.00E+00	1.85E-06	9.83E-07	1.43E-06	0.00E+00	2.41E-06	1.65E-07	2.43E-07	0.00E+00	4.08E-07	7.21E-08	9.74E-08	0.00E+00	1.70E-07
543	440850.61	3768388.55	8.7994E-07	9.9069E-07	0.00E+00	1.87E-06	9.92E-07	1.44E-06	0.00E+00	2.43E-06	1.66E-07	2.46E-07	0.00E+00	4.12E-07	7.28E-08	9.84E-08	0.00E+00	1.71E-07
544	440854.43	3768379.45	8.878E-07	9.9954E-07	0.00E+00	1.89E-06	1.00E-06	1.45E-06	0.00E+00	2.45E-06	1.68E-07	2.48E-07	0.00E+00	4.16E-07	7.34E-08	9.92E-08	0.00E+00	1.73E-07
545	440858.26	3768370.35	8.9502E-07	1.0077E-06	0.00E+00	1.90E-06	1.01E-06	1.46E-06	0.00E+00	2.47E-06	1.69E-07	2.50E-07	0.00E+00	4.19E-07	7.40E-08	1.00E-07	0.00E+00	1.74E-07
546	440862.08	3768361.25	9.0148E-07	1.0149E-06	0.00E+00	1.92E-06	1.02E-06	1.48E-06	0.00E+00	2.49E-06	1.70E-07	2.52E-07	0.00E+00	4.22E-07	7.45E-08	1.01E-07	0.00E+00	1.75E-07
547	440865.91	3768352.16	9.0729E-07	1.0215E-06	0.00E+00	1.93E-06	1.02E-06	1.48E-06	0.00E+00	2.51E-06	1.72E-07	2.53E-07	0.00E+00	4.25E-07	7.50E-08	1.01E-07	0.00E+00	1.76E-07
548	440869.73	3768343.06	9.1232E-07	1.0271E-06	0.00E+00	1.94E-06	1.03E-06	1.49E-06	0.00E+00	2.52E-06	1.72E-07	2.55E-07	0.00E+00	4.27E-07	7.54E-08	1.02E-07	0.00E+00	1.77E-07
549	440873.56	3768333.96	9.1658E-07	1.0319E-06	0.00E+00	1.95E-06	1.03E-06	1.50E-06	0.00E+00	2.53E-06	1.73E-07	2.56E-07	0.00E+00	4.29E-07	7.58E-08	1.02E-07	0.00E+00	1.78E-07
550	440877.38	3768324.86	9.1996E-07	1.0358E-06	0.00E+00	1.96E-06	1.04E-06	1.51E-06	0.00E+00	2.54E-06	1.74E-07	2.57E-07	0.00E+00	4.31E-07	7.61E-08	1.03E-07	0.00E+00	1.79E-07
551	440881.21	3768315.77	9.226E-07	1.0387E-06	0.00E+00	1.96E-06	1.04E-06	1.51E-06	0.00E+00	2.55E-06	1.74E-07	2.57E-07	0.00E+00	4.32E-07	7.63E-08	1.03E-07	0.00E+00	1.79E-07
552	440885.03	3768306.67	9.2436E-07	1.0407E-06	0.00E+00	1.97E-06	1.04E-06	1.51E-06	0.00E+00	2.55E-06	1.75E-07	2.58E-07	0.00E+00	4.33E-07	7.64E-08	1.03E-07	0.00E+00	1.80E-07
553	440888.86	3768297.57	9.2493E-07	1.0413E-06	0.00E+00	1.97E-06	1.04E-06	1.51E-06	0.00E+00	2.56E-06	1.75E-07	2.58E-07	0.00E+00	4.33E-07	7.65E-08	1.03E-07	0.00E+00	1.80E-07
554	440896.51	3768279.38	9.2176E-07	1.0378E-06	0.00E+00	1.96E-06	1.04E-06	1.51E-06	0.00E+00	2.55E-06	1.74E-07	2.57E-07	0.00E+00	4.31E-07	7.62E-08	1.03E-07	0.00E+00	1.79E-07
555	440900.34	3768270.28	9.1895E-07	1.0346E-06	0.00E+00	1.95E-06	1.04E-06	1.50E-06	0.00E+00	2.54E-06	1.74E-07	2.56E-07	0.00E+00	4.30E-07	7.60E-08	1.03E-07	0.00E+00	1.79E-07
556	440904.16	3768261.18	9.1551E-07	1.0307E-06	0.00E+00	1.95E-06	1.03E-06	1.50E-06	0.00E+00	2.53E-06	1.73E-07	2.55E-07	0.00E+00	4.29E-07	7.57E-08	1.02E-07	0.00E+00	1.78E-07
557	440907.99	3768252.09	9.1102E-07	1.0257E-06	0.00E+00	1.94E-06	1.03E-06	1.49E-06	0.00E+00	2.52E-06	1.72E-07	2.54E-07	0.00E+00	4.26E-07	7.53E-08	1.02E-07	0.00E+00	1.77E-07
558	440911.81	3768242.99	9.0537E-07	1.0193E-06	0.00E+00	1.92E-06	1.02E-06	1.48E-06	0.00E+00	2.50E-06	1.71E-07	2.53E-07	0.00E+00	4.24E-07	7.49E-08	1.01E-07	0.00E+00	1.76E-07
559	440915.64	3768233.89	8.9772E-07	1.0107E-06	0.00E+00	1.91E-06	1.01E-06	1.47E-06	0.00E+00	2.48E-06	1.70E-07	2.50E-07	0.00E+00	4.20E-07	7.42E-08	1.00E-07	0.00E+00	1.75E-07
560	440919.46	3768224.79	8.8855E-07	1.0004E-06	0.00E+00	1.89E-06	1.00E-06	1.45E-06	0.00E+00	2.46E-06	1.68E-07	2.48E-07	0.00E+00	4.16E-07	7.35E-08	9.93E-08	0.00E+00	1.73E-07
561	440923.29	3768215.7	8.7822E-07	9.8875E-07	0.00E+00	1.87E-06	9.90E-07	1.44E-06	0.00E+00	2.43E-06	1.66E-07	2.45E-07	0.00E+00	4.11E-07	7.26E-08	9.82E-08	0.00E+00	1.71E-07
562	440927.11	3768206.6	8.6684E-07	9.7594E-07	0.00E+00	1.84E-06	9.77E-07	1.42E-06	0.00E+00	2.40E-06	1.64E-07	2.42E-07	0.00E+00	4.06E-07	7.17E-08	9.69E-08	0.00E+00	1.69E-07
563	440930.94	3768197.5	8.5511E-07	9.6273E-07	0.00E+00	1.82E-06	9.64E-07	1.40E-06	0.00E+00	2.36E-06	1.62E-07	2.39E-07	0.00E+00	4.00E-07	7.07E-08	9.56E-08	0.00E+00	1.66E-07
564	440934.76	3768188.4	8.4318E-07	9.4931E-07	0.00E+00	1.79E-06	9.50E-07	1.38E-06	0.00E+00	2.33E-06	1.59E-07	2.35E-07	0.00E+00	3.95E-07	6.97E-08	9.42E-08	0.00E+00	1.64E-07
565	440938.59	3768179.31	8.3139E-07	9.3603E-07	0.00E+00	1.77E-06	9.37E-07	1.36E-06	0.00E+00	2.30E-06	1.57E-07	2.32E-07	0.00E+00	3.89E-07	6.87E-08	9.29E-08	0.00E+00	1.62E-07
566	440942.41	3768170.21	8.2306E-07	9.2665E-07	0.00E+00	1.75E-06	9.28E-07	1.35E-06	0.00E+00	2.27E-06	1.56E-07	2.30E-07	0.00E+00	3.85E-07	6.81E-08	9.20E-08	0.00E+00	1.60E-07
567	440946.24	3768161.11	8.1473E-07	9.1728E-07	0.00E+00	1.73E-06	9.18E-07	1.33E-06	0.00E+00	2.25E-06	1.54E-07	2.27E-07	0.00E+00	3.81E-07	6.74E-08	9.11E-08	0.00E+00	1.58E-07
568	440950.06	3768152.01	8.0588E-07	9.0731E-07	0.00E+00	1.71E-06	9.08E-07	1.32E-06	0.00E+00	2.23E-06	1.52E-07	2.25E-07	0.00E+00	3.77E-07	6.66E-08	9.01E-08	0.00E+00	1.57E-07
569	440953.89	3768142.92	7.9935E-07	8.9996E-07	0.00E+00	1.70E-06	9.01E-07	1.31E-06	0.00E+00	2.21E-06	1.51E-07	2.23E-07	0.00E+00	3.74E-07	6.61E-08	8.93E-08	0.00E+00	1.55E-07
570	440957.72	3768133.82	7.9262E-07	8.9238E-07	0.00E+00	1.69E-06	8.93E-07	1.30E-06	0.00E+00	2.19E-06	1.50E-07	2.21E-07	0.00E+00	3.71E-07	6.55E-08	8.86E-08	0.00E+00	1.54E-07
571	440961.54	3768124.72	7.8488E-07	8.8367E-07	0.00E+00	1.67E-06	8.85E-07	1.28E-06	0.00E+00	2.17E-06	1.48E-07	2.19E-07	0.00E+00	3.67E-07	6.49E-08	8.77E-08	0.00E+00	1.53E-07
572	440965.37	3768115.63	7.7571E-07	8.7334E-07	0.00E+00	1.65E-06	8.74E-07	1.27E-06	0.00E+00	2.14E-06	1.47E-07	2.16E-07	0.00E+00	3.63E-07	6.41E-08	8.67E-08	0.00E+00	1.51E-07
573	440969.19	3768106.53	7.6526E-07	8.6158E-07	0.00E+00	1.63E-06	8.63E-07	1.25E-06	0.00E+00	2.12E-06	1.45E-07	2.14E-07	0.00E+00	3.58E-07	6.33E-08	8.55E-08	0.00E+00	1.49E-07
574	440982.15	3768093.69	7.5416E-07	8.4908E-07	0.00E+00	1.60E-06	8.50E-07	1.23E-06	0.00E+00	2.08E-06	1.43E-07	2.10E-07	0.00E+00	3.53E-07	6.24E-08	8.43E-08	0.00E+00	1.47E-07
575	440991.28	3768089.95	7.5346E-07	8.483E-07	0.00E+00	1.60E-06	8.49E-07	1.23E-06	0.00E+00	2.08E-06	1.42E-07	2.10E-07	0.00E+00	3.53E-07	6.23E-08	8.42E-08	0.00E+00	1.47E-07
576	441000.41	3768086.21	7.5164E-07	8.4624E-07	0.00E+00	1.60E-06	8.47E-07	1.23E-06	0.00E+00	2.08E-06	1.42E-07	2.10E-07	0.00E+00	3.52E-07	6.21E-08	8.40E-08	0.00E+00	1.46E-07
577	441009.55	3768082.47	7.4694E-07	8.4095E-07	0.00E+00	1.59E-06	8.42E-07	1.22E-06	0.00E+00	2.06E-06	1.41E-07	2.08E-07	0.00E+00	3.50E-07	6.18E-08	8.35E-08	0.00E+00	1.45E-07
578	441018.68	3768078.73	7.4123E-07	8.3453E-07	0.00E+00	1.58E-06	8.36E-07	1.21E-06	0.00E+00	2.05E-06	1.40E-07	2.07E-07	0.00E+00	3.47E-07	6.13E-08	8.28E-08	0.00E+00	1.44E-07
579	441027.81	3768074.98	7.3446E-07	8.2691E-07	0.00E+00	1.56E-06	8.28E-07	1.20E-06	0.00E+00	2.03E-06	1.39E-07	2.05E-07	0.00E+00	3.44E-07	6.07E-08	8.21E-08	0.00E+00	1.43E-07
580	441036.94	3768071.24	7.2853E-07	8.2022E-07	0.00E+00	1.55E-06	8.21E-07	1.19E-06	0.00E+00	2.01E-06	1.38E-07	2.03E-07	0.00E+00	3.41E-07	6.02E-08	8.14E-08	0.00E+00	1.42E-07
581	441046.08	3768067.5	7.2227E-07	8.1317E-07	0.00E+00	1.54E-06	8.14E-07	1.18E-06	0.00E+00	2.00E-06	1.37E-07	2.02E-07	0.00E+00	3.38E-07	5.97E-08	8.07E-08	0.00E+00	1.40E-07
582	441055.21	3768063.76	7.151E-07	8.0511E-07	0.00E+00	1.52E-06	8.06E-07	1.17E-06	0.00E+00	1.98E-06	1.35E-07	2.00E-07	0.00E+00	3.35E-07	5.91E-08	7.99E-08	0.00E+00	1.39E-07
583	441064.34	3768060.02	7.0828E-07	7.9743E-07	0.00E+00	1.51E-06	7.98E-07	1.16E-06	0.00E+00	1.96E-06	1.34E-07	1.98E-07	0.00E+00	3.32E-07	5.86E-08	7.92E-08	0.00E+00	1.38E-07
584	441119.13	3768037.57	6.6736E-07	7.5136E-07	0.00E+00	1.42E-06	7.52E-07	1.09E-06	0.00E+00	1.84E-06	1.26E-07	1.86E-07	0.00E+00	3.12E-07	5.52E-08	7.46E-08	0.00E+00	1.30E-07
585	441128.27	3768033.83	6.6019E-07	7.4328E-07	0.00E+00	1.40E-06	7.44E-07	1.08E-06	0.00E+00	1.82E-06	1.25E-07	1.84E-07	0.00E+00	3.09E-07	5.46E-08	7.38E-08	0.00E+00	1.28E-07
586	441137.4	3768030.09	6.5261E-07	7.3475E-07	0.00E+00	1.39E-06	7.36E-07	1.07E-06	0.00E+00	1.80E-06	1.23E-07	1.82E-07	0.00E+00	3.05E-07	5.40E-08	7.29E-08	0.00E+00	1.27E-07
587	441146.53	3768026.35	6.4437E-07	7.2548E-07	0.00E+00	1.37E-06	7.26E-07	1.05E-06	0.00E+00	1.78E-06	1.22E-07	1.80E-07	0.00E+00	3.02E-07	5.33E-08	7.20E-08	0.00E+00	1.25E-07
588	441155.66	3768022.61	6.3491E-07	7.1482E-07	0.00E+00	1.35E-06	7.16E-07	1.04E-06	0.00E+00	1.75E-06	1.20E-07	1.77E-07	0.00E+00	2.97E-07	5.25E-08	7.10E-08	0.00E+00	1.23E-07
589	441164.8	3768018.87	6.2466E-07	7.0328E-07	0.00E+00	1.33E-06	7.04E-07	1.02E-06	0.00E+00	1.73E-06	1.18E-07	1.74E-07	0.00E+00	2.92E-07	5.17E-08	6.98E-08	0.00E+00	1.21E-07
590	441173.93	3768015.13	6.1399E-07	6.9126E-07	0.00E+00	1.31E-06	6.92E-07	1.00E-06	0.00E+00	1.70E-06	1.16E-07	1.71E-07	0.00E+00	2.87E-07	5.08E-08	6.86E-08	0.00E+00	1.19E-07
591	440822.22	3768360.68	7.9761E-07	0.000000898	0.00E+00	1.70E-06	8.99E-07	1.31E-06	0.00E+00	2.20E-06	1.51E-07	2.23E-07	0.00E+00	3.73E-07	6.60E-08	8.91E-08	0.00E+00	1.55E-07
592	440826.05	3768351.57	8.0492E-07	9.0623E-07	0.00E+00	1.71E-06	9.07E-07	1.32E-06	0.00E+00	2.22E-06	1.52E-07	2.25E-07	0.00E+00	3.77E-07	6.66E-08	9.00E-08	0.00E+00	1.57E-07
593	440829.89	3768342.45	8.1141E-07	9.1354E-07	0.00E+00	1.72E-06	9.15E-07	1.33E-06	0.00E+00	2.24E-06	1.53E-07	2.26E-07	0.00E+00	3.80E-07	6.71E-08	9.07E-08	0.00E+00	1.58E-07
594	440833.72	3768333.34	8.1705E-07	9.1988E-07	0.00E+00	1.74E-06	9.21E-07	1.34E-06	0.00E+00	2.26E-06	1.54E-07	2.28E-07	0.00E+00	3.82E-07	6.76E-08	9.13E-08	0.00E+00	1.59E-07
595	440837.55	3768324.23	8.2148E-07	9.2487E-07	0.00E+00	1.75E-06	9.26E-07	1.34E-06	0.00E+00	2.27E-06	1.55E-07	2.29E-07	0.00E+00	3.85E-07	6.79E-08	9.18E-08	0.00E+00	1.60E-07
596	440841.38	3768315.11	8.2506E-07	9.289E-07	0.00E+00	1.75E-06	9.30E-07	1.35E-06	0.00E+00	2.28E-06	1.56E-07	2.30E-07	0.00E+00	3.86E-07	6.82E-08	9.22E-08	0.00E+00	1.60E-07
597	440845.22	3768306	8.2802E-07	9.3223E-07	0.00E+00	1.76E-06	9.33E-07	1.36E-06	0.00E+00	2.29E-06	1.57E-07	2.31E-07	0.00E+00	3.88E-07	6.85E-08	9.25E-08	0.00E+00	1.61E-07
598	440856.71	3768278.65	8.3309E-07	9.3794E-07	0.00E+00	1.77E-06	9.39E-07	1.36E-06	0.00E+00	2.30E-06	1.57E-07	2.32E-07	0.00E+00	3.90E-07	6.89E-08	9.31E-08	0.00E+00	1.62E-07
599	440860.55	3768269.54	8.3315E-07	9.3801E-07	0.00E+00	1.77E-06	9.39E-07	1.36E-06	0.00E+00	2.30E-06	1.58E-07	2.32E-07	0.00E+00	3.90E-07	6.89E-08	9.31E-08	0.00E+00	1.62E-07
600	440864.38	3768260.42	8.3271E-07	9.3752E-07	0.00E+00	1.77E-06	9.39E-07	1.36E-06	0.00E+00	2.30E-06	1.57E-07	2.32E-07	0.00E+00	3.90E-07	6.89E-08	9.31E-08	0.00E+00	1.62E-07
601	440868.21	3768251.31	8.3161E-07	9.3628E-07	0.00E+00	1.77E-06	9.37E-07	1.36E-06	0.00E+00	2.30E-06	1.57E-07	2.32E-07	0.00E+00	3.89E-07	6.88E-08	9.29E-08	0.00E+00	1.62E-07
602	440872.04	3768242.19	8.2984E-07	9.3428E-07	0.00E+00	1.76E-06	9.35E-07	1.36E-06	0.00E+00	2.29E-06	1.57E-07	2.32E-07	0.00E+00	3.88E-07	6.86E-08	9.28E-08	0.00E+00	1.61E-07
603	440875.88	3768233.08	8.2579E-07	9.2972E-07	0.00E+00	1.76E-06	9.31E-07	1.35E-06	0.00E+00	2.28E-06	1.56E-07	2.30E-07	0.00E+00	3.87E-07	6.83E-08	9.23E-08	0.00E+00	1.61E-07
604	440879.71	3768223.96	8.2023E-07	9.2347E-07	0.00E+00	1.74E-06	9.25E-07	1.34E-06	0.00E+00	2.27E-06	1.55E-07	2.29E-07	0.00E+00	3.84E-07	6.78E-08	9.17E-08	0.00E+00	1.59E-07
605	440883.54	3768214.85	8.1404E-07	9.1649E-07	0.00E+00	1.73E-06	9.18E-07	1.33E-06	0.00E+00	2.25E-06	1.54E-07	2.27E-07	0.00E+00	3.81E-07	6.73E-08	9.10E-08	0.00E+00	1.58E-07
606	440887.37	3768205.74	8.071E-07	9.0869E-07	0.00E+00	1.72E-06	9.10E-07	1.32E-06	0.00E+00	2.23E-06	1.53E-07	2.25E-07	0.00E+00	3.78E-07	6.67E-08	9.02E-08	0.00E+00	1.57E-07
607	440891.21	3768196.62	7.991E-07	8.9968E-07	0.00E+00	1.70E-06	9.01E-07	1.31E-06	0.00E+00	2.21E-06	1.51E-07	2.23E-07	0.00E+00	3.74E-07	6.61E-08	8.93E-08	0.00E+00	1.55E-07
608	440895.04	3768187.51	7.9013E-07	8.8958E-07	0.00E+00	1.68E-06	8.91E-07	1.29E-06	0.00E+00	2.18E-06	1.49E-07	2.20E-07	0.00E+00	3.70E-07	6.53E-08	8.83E-08	0.00E+00	1.54E-07
609	440898.87	3768178.39	7.8066E-07	8.7892E-07	0.00E+00	1.66E-06	8.80E-07	1.28E-06	0.00E+00	2.16E-06	1.48E-07	2.18E-07	0.00E+00	3.65E-07	6.45E-08	8.73E-08	0.00E+00	1.52E-07
610	440902.71	3768169.28	7.724E-07	8.6961E-07	0.00E+00	1.64E-06	8.71E-07	1.26E-06	0.00E+00	2.13E-06	1.46E-07	2.16E-07	0.00E+00	3.62E-07	6.39E-08	8.63E-08	0.00E+00	1.50E-07
611	440906.54	3768160.16	7.636E-07	8.597E-07	0.00E+00	1.62E-06	8.61E-07	1.25E-06	0.00E+00	2.11E-06	1.44E-07	2.13E-07	0.00E+00	3.57E-07	6.31E-08	8.53E-08	0.00E+00	1.48E-07
612	440910.37	3768151.05	7.5457E-07	8.4954E-07	0.00E+00	1.60E-06	8.51E-07	1.23E-06	0.00E+00	2.09E-06	1.43E-07	2.11E-07	0.00E+00	3.53E-07	6.24E-08	8.43E-08	0.00E+00	1.47E-07

613	440914.2	3768141.93	7.5093E-07	8.4544E-07	0.00E+00	1.60E-06	8.46E-07	1.23E-06	0.00E+00	2.08E-06	1.42E-07	2.10E-07	0.00E+00	3.51E-07	6.21E-08	8.39E-08	0.00E+00	1.46E-07
614	440918.04	3768132.82	7.4724E-07	8.4129E-07	0.00E+00	1.59E-06	8.42E-07	1.22E-06	0.00E+00	2.07E-06	1.41E-07	2.08E-07	0.00E+00	3.50E-07	6.18E-08	8.35E-08	0.00E+00	1.45E-07
615	440921.87	3768123.7	7.4281E-07	8.363E-07	0.00E+00	1.58E-06	8.37E-07	1.22E-06	0.00E+00	2.05E-06	1.40E-07	2.07E-07	0.00E+00	3.48E-07	6.14E-08	8.30E-08	0.00E+00	1.44E-07
616	440925.7	3768114.59	7.3702E-07	8.2979E-07	0.00E+00	1.57E-06	8.31E-07	1.21E-06	0.00E+00	2.04E-06	1.39E-07	2.06E-07	0.00E+00	3.45E-07	6.09E-08	8.24E-08	0.00E+00	1.43E-07
617	440929.53	3768105.47	7.3028E-07	8.2219E-07	0.00E+00	1.55E-06	8.23E-07	1.20E-06	0.00E+00	2.02E-06	1.38E-07	2.04E-07	0.00E+00	3.42E-07	6.04E-08	8.16E-08	0.00E+00	1.42E-07
618	440933.37	3768096.36	7.2304E-07	8.1405E-07	0.00E+00	1.54E-06	8.15E-07	1.18E-06	0.00E+00	2.00E-06	1.37E-07	2.02E-07	0.00E+00	3.38E-07	5.98E-08	8.08E-08	0.00E+00	1.41E-07
619	440937.2	3768087.24	7.1477E-07	8.0474E-07	0.00E+00	1.52E-06	8.06E-07	1.17E-06	0.00E+00	1.98E-06	1.35E-07	1.99E-07	0.00E+00	3.35E-07	5.91E-08	7.99E-08	0.00E+00	1.39E-07
620	440941.03	3768078.13	7.0486E-07	7.9357E-07	0.00E+00	1.50E-06	7.95E-07	1.15E-06	0.00E+00	1.95E-06	1.33E-07	1.97E-07	0.00E+00	3.30E-07	5.83E-08	7.88E-08	0.00E+00	1.37E-07
621	440954.01	3768065.27	6.9447E-07	7.8188E-07	0.00E+00	1.48E-06	7.83E-07	1.14E-06	0.00E+00	1.92E-06	1.31E-07	1.94E-07	0.00E+00	3.25E-07	5.74E-08	7.76E-08	0.00E+00	1.35E-07
622	440963.16	3768061.52	6.9391E-07	7.8125E-07	0.00E+00	1.48E-06	7.82E-07	1.14E-06	0.00E+00	1.92E-06	1.31E-07	1.94E-07	0.00E+00	3.25E-07	5.74E-08	7.76E-08	0.00E+00	1.35E-07
623	441018.06	3768039.03	6.7063E-07	7.5503E-07	0.00E+00	1.43E-06	7.56E-07	1.10E-06	0.00E+00	1.85E-06	1.27E-07	1.87E-07	0.00E+00	3.14E-07	5.55E-08	7.50E-08	0.00E+00	1.30E-07
624	441027.21	3768035.28	6.6351E-07	7.4702E-07	0.00E+00	1.41E-06	7.48E-07	1.09E-06	0.00E+00	1.83E-06	1.25E-07	1.85E-07	0.00E+00	3.11E-07	5.49E-08	7.42E-08	0.00E+00	1.29E-07
625	441036.36	3768031.53	6.5691E-07	7.3959E-07	0.00E+00	1.40E-06	7.40E-07	1.08E-06	0.00E+00	1.82E-06	1.24E-07	1.83E-07	0.00E+00	3.07E-07	5.43E-08	7.34E-08	0.00E+00	1.28E-07
626	441045.51	3768027.79	6.505E-07	7.3237E-07	0.00E+00	1.38E-06	7.33E-07	1.06E-06	0.00E+00	1.80E-06	1.23E-07	1.82E-07	0.00E+00	3.04E-07	5.38E-08	7.27E-08	0.00E+00	1.26E-07
627	441054.66	3768024.04	6.4387E-07	7.2491E-07	0.00E+00	1.37E-06	7.26E-07	1.05E-06	0.00E+00	1.78E-06	1.22E-07	1.80E-07	0.00E+00	3.01E-07	5.32E-08	7.20E-08	0.00E+00	1.25E-07
628	441063.81	3768020.29	6.374E-07	7.1763E-07	0.00E+00	1.36E-06	7.18E-07	1.04E-06	0.00E+00	1.76E-06	1.20E-07	1.78E-07	0.00E+00	2.98E-07	5.27E-08	7.12E-08	0.00E+00	1.24E-07
629	441072.96	3768016.54	6.3158E-07	7.1108E-07	0.00E+00	1.34E-06	7.12E-07	1.03E-06	0.00E+00	1.75E-06	1.19E-07	1.76E-07	0.00E+00	2.96E-07	5.22E-08	7.06E-08	0.00E+00	1.23E-07
630	441082.11	3768012.79	6.2568E-07	7.0443E-07	0.00E+00	1.33E-06	7.05E-07	1.02E-06	0.00E+00	1.73E-06	1.18E-07	1.75E-07	0.00E+00	2.93E-07	5.17E-08	6.99E-08	0.00E+00	1.22E-07
631	441091.26	3768009.05	6.1977E-07	6.9778E-07	0.00E+00	1.32E-06	6.99E-07	1.01E-06	0.00E+00	1.71E-06	1.17E-07	1.73E-07	0.00E+00	2.90E-07	5.12E-08	6.93E-08	0.00E+00	1.21E-07
632	441100.41	3768005.3	6.1397E-07	6.9125E-07	0.00E+00	1.31E-06	6.92E-07	1.00E-06	0.00E+00	1.70E-06	1.16E-07	1.71E-07	0.00E+00	2.87E-07	5.08E-08	6.86E-08	0.00E+00	1.19E-07
633	441109.56	3768001.55	6.0757E-07	6.8404E-07	0.00E+00	1.29E-06	6.85E-07	9.94E-07	0.00E+00	1.68E-06	1.15E-07	1.70E-07	0.00E+00	2.84E-07	5.02E-08	6.79E-08	0.00E+00	1.18E-07
634	441118.71	3767997.8	6.004E-07	6.7596E-07	0.00E+00	1.28E-06	6.77E-07	9.83E-07	0.00E+00	1.66E-06	1.14E-07	1.68E-07	0.00E+00	2.81E-07	4.96E-08	6.71E-08	0.00E+00	1.17E-07
635	441127.86	3767994.05	5.9154E-07	6.6599E-07	0.00E+00	1.26E-06	6.67E-07	9.68E-07	0.00E+00	1.63E-06	1.12E-07	1.65E-07	0.00E+00	2.77E-07	4.89E-08	6.61E-08	0.00E+00	1.15E-07
636	441137.01	3767990.31	5.8189E-07	6.5513E-07	0.00E+00	1.24E-06	6.56E-07	9.52E-07	0.00E+00	1.61E-06	1.10E-07	1.62E-07	0.00E+00	2.72E-07	4.81E-08	6.50E-08	0.00E+00	1.13E-07
637	441146.16	3767986.56	5.7158E-07	6.4352E-07	0.00E+00	1.22E-06	6.44E-07	9.35E-07	0.00E+00	1.58E-06	1.08E-07	1.59E-07	0.00E+00	2.68E-07	4.73E-08	6.39E-08	0.00E+00	1.11E-07
638	441155.31	3767982.81	5.6158E-07	6.3226E-07	0.00E+00	1.19E-06	6.33E-07	9.19E-07	0.00E+00	1.55E-06	1.06E-07	1.57E-07	0.00E+00	2.63E-07	4.64E-08	6.28E-08	0.00E+00	1.09E-07
639	441164.46	3767979.06	5.5227E-07	6.2178E-07	0.00E+00	1.17E-06	6.23E-07	9.04E-07	0.00E+00	1.53E-06	1.04E-07	1.54E-07	0.00E+00	2.58E-07	4.57E-08	6.17E-08	0.00E+00	1.07E-07
640	440820.73	3768268.85	7.5981E-07	8.5544E-07	0.00E+00	1.62E-06	8.56E-07	1.24E-06	0.00E+00	2.10E-06	1.44E-07	2.12E-07	0.00E+00	3.56E-07	6.28E-08	8.49E-08	0.00E+00	1.48E-07
641	440824.57	3768259.72	7.607E-07	8.5645E-07	0.00E+00	1.62E-06	8.57E-07	1.24E-06	0.00E+00	2.10E-06	1.44E-07	2.12E-07	0.00E+00	3.56E-07	6.29E-08	8.50E-08	0.00E+00	1.48E-07
642	440828.41	3768250.59	7.6103E-07	8.5681E-07	0.00E+00	1.62E-06	8.58E-07	1.25E-06	0.00E+00	2.10E-06	1.44E-07	2.12E-07	0.00E+00	3.56E-07	6.29E-08	8.51E-08	0.00E+00	1.48E-07
643	440832.25	3768241.46	7.6079E-07	8.5654E-07	0.00E+00	1.62E-06	8.58E-07	1.25E-06	0.00E+00	2.10E-06	1.44E-07	2.12E-07	0.00E+00	3.56E-07	6.29E-08	8.50E-08	0.00E+00	1.48E-07
644	440836.09	3768232.33	7.592E-07	8.5475E-07	0.00E+00	1.61E-06	8.56E-07	1.24E-06	0.00E+00	2.10E-06	1.44E-07	2.12E-07	0.00E+00	3.55E-07	6.28E-08	8.49E-08	0.00E+00	1.48E-07
645	440839.93	3768223.2	7.5686E-07	8.5212E-07	0.00E+00	1.61E-06	8.53E-07	1.24E-06	0.00E+00	2.09E-06	1.43E-07	2.11E-07	0.00E+00	3.54E-07	6.26E-08	8.46E-08	0.00E+00	1.47E-07
646	440843.77	3768214.07	7.5388E-07	8.4877E-07	0.00E+00	1.60E-06	8.50E-07	1.23E-06	0.00E+00	2.08E-06	1.43E-07	2.10E-07	0.00E+00	3.53E-07	6.23E-08	8.43E-08	0.00E+00	1.47E-07
647	440847.61	3768204.94	7.5037E-07	8.4482E-07	0.00E+00	1.60E-06	8.46E-07	1.23E-06	0.00E+00	2.07E-06	1.42E-07	2.09E-07	0.00E+00	3.51E-07	6.20E-08	8.39E-08	0.00E+00	1.46E-07
648	440851.45	3768195.81	7.4622E-07	8.4015E-07	0.00E+00	1.59E-06	8.41E-07	1.22E-06	0.00E+00	2.06E-06	1.41E-07	2.08E-07	0.00E+00	3.49E-07	6.17E-08	8.34E-08	0.00E+00	1.45E-07
649	440855.29	3768186.68	7.4117E-07	8.3445E-07	0.00E+00	1.58E-06	8.35E-07	1.21E-06	0.00E+00	2.05E-06	1.40E-07	2.07E-07	0.00E+00	3.47E-07	6.13E-08	8.28E-08	0.00E+00	1.44E-07
650	440859.12	3768177.55	7.3537E-07	8.2793E-07	0.00E+00	1.56E-06	8.29E-07	1.20E-06	0.00E+00	2.03E-06	1.39E-07	2.05E-07	0.00E+00	3.44E-07	6.08E-08	8.22E-08	0.00E+00	1.43E-07
651	440862.96	3768168.42	7.2923E-07	8.2101E-07	0.00E+00	1.55E-06	8.22E-07	1.19E-06	0.00E+00	2.02E-06	1.38E-07	2.03E-07	0.00E+00	3.41E-07	6.03E-08	8.15E-08	0.00E+00	1.42E-07
652	440866.8	3768159.29	7.2259E-07	8.1354E-07	0.00E+00	1.54E-06	8.15E-07	1.18E-06	0.00E+00	2.00E-06	1.37E-07	2.02E-07	0.00E+00	3.38E-07	5.97E-08	8.08E-08	0.00E+00	1.41E-07
653	440870.64	3768150.16	7.1549E-07	8.0554E-07	0.00E+00	1.52E-06	8.07E-07	1.17E-06	0.00E+00	1.98E-06	1.35E-07	2.00E-07	0.00E+00	3.35E-07	5.92E-08	8.00E-08	0.00E+00	1.39E-07
654	440874.48	3768141.03	7.1098E-07	8.0046E-07	0.00E+00	1.51E-06	8.01E-07	1.16E-06	0.00E+00	1.96E-06	1.34E-07	1.98E-07	0.00E+00	3.33E-07	5.88E-08	7.95E-08	0.00E+00	1.38E-07
655	440878.32	3768131.9	7.0661E-07	7.9555E-07	0.00E+00	1.50E-06	7.96E-07	1.16E-06	0.00E+00	1.95E-06	1.34E-07	1.97E-07	0.00E+00	3.31E-07	5.84E-08	7.90E-08	0.00E+00	1.37E-07
656	440882.16	3768122.77	7.0239E-07	7.908E-07	0.00E+00	1.49E-06	7.92E-07	1.15E-06	0.00E+00	1.94E-06	1.33E-07	1.96E-07	0.00E+00	3.29E-07	5.81E-08	7.85E-08	0.00E+00	1.37E-07
657	440886	3768113.64	6.9728E-07	7.8504E-07	0.00E+00	1.48E-06	7.86E-07	1.14E-06	0.00E+00	1.93E-06	1.32E-07	1.95E-07	0.00E+00	3.26E-07	5.77E-08	7.79E-08	0.00E+00	1.36E-07
658	440889.84	3768104.51	6.9175E-07	7.7881E-07	0.00E+00	1.47E-06	7.80E-07	1.13E-06	0.00E+00	1.91E-06	1.31E-07	1.93E-07	0.00E+00	3.24E-07	5.72E-08	7.73E-08	0.00E+00	1.35E-07
659	440893.68	3768095.38	6.8599E-07	7.7233E-07	0.00E+00	1.46E-06	7.73E-07	1.12E-06	0.00E+00	1.90E-06	1.30E-07	1.91E-07	0.00E+00	3.21E-07	5.67E-08	7.67E-08	0.00E+00	1.33E-07
660	440897.52	3768086.25	6.795E-07	7.6503E-07	0.00E+00	1.44E-06	7.66E-07	1.11E-06	0.00E+00	1.88E-06	1.28E-07	1.90E-07	0.00E+00	3.18E-07	5.62E-08	7.59E-08	0.00E+00	1.32E-07
661	440901.35	3768077.12	6.7193E-07	7.5651E-07	0.00E+00	1.43E-06	7.57E-07	1.10E-06	0.00E+00	1.86E-06	1.27E-07	1.87E-07	0.00E+00	3.15E-07	5.56E-08	7.51E-08	0.00E+00	1.31E-07
662	440905.19	3768067.99	6.6409E-07	7.4768E-07	0.00E+00	1.41E-06	7.49E-07	1.09E-06	0.00E+00	1.84E-06	1.26E-07	1.85E-07	0.00E+00	3.11E-07	5.49E-08	7.42E-08	0.00E+00	1.29E-07
663	440925.88	3768036.85	6.4028E-07	7.2087E-07	0.00E+00	1.36E-06	7.22E-07	1.05E-06	0.00E+00	1.77E-06	1.21E-07	1.79E-07	0.00E+00	3.00E-07	5.29E-08	7.16E-08	0.00E+00	1.25E-07
664	440935.04	3768033.09	6.4085E-07	7.2151E-07	0.00E+00	1.36E-06	7.22E-07	1.05E-06	0.00E+00	1.77E-06	1.21E-07	1.79E-07	0.00E+00	3.00E-07	5.30E-08	7.16E-08	0.00E+00	1.25E-07
665	440944.21	3768029.34	6.4025E-07	7.2083E-07	0.00E+00	1.36E-06	7.22E-07	1.05E-06	0.00E+00	1.77E-06	1.21E-07	1.79E-07	0.00E+00	3.00E-07	5.29E-08	7.16E-08	0.00E+00	1.25E-07
666	440953.37	3768025.58	6.3822E-07	7.1855E-07	0.00E+00	1.36E-06	7.19E-07	1.04E-06	0.00E+00	1.76E-06	1.21E-07	1.78E-07	0.00E+00	2.99E-07	5.28E-08	7.13E-08	0.00E+00	1.24E-07
667	440962.54	3768021.83	6.3593E-07	7.1596E-07	0.00E+00	1.35E-06	7.17E-07	1.04E-06	0.00E+00	1.76E-06	1.20E-07	1.77E-07	0.00E+00	2.98E-07	5.26E-08	7.11E-08	0.00E+00	1.24E-07
668	440971.7	3768018.07	6.3327E-07	7.1297E-07	0.00E+00	1.35E-06	7.14E-07	1.04E-06	0.00E+00	1.75E-06	1.20E-07	1.77E-07	0.00E+00	2.96E-07	5.24E-08	7.08E-08	0.00E+00	1.23E-07
669	440980.87	3768014.32	0.00000063	7.093E-07	0.00E+00	1.34E-06	7.10E-07	1.03E-06	0.00E+00	1.74E-06	1.19E-07	1.76E-07	0.00E+00	2.95E-07	5.21E-08	7.04E-08	0.00E+00	1.23E-07
670	440990.03	3768010.57	6.2626E-07	7.0508E-07	0.00E+00	1.33E-06	7.06E-07	1.02E-06	0.00E+00	1.73E-06	1.18E-07	1.75E-07	0.00E+00	2.93E-07	5.18E-08	7.00E-08	0.00E+00	1.22E-07
671	440999.2	3768006.81	6.2208E-07	7.0037E-07	0.00E+00	1.32E-06	7.01E-07	1.02E-06	0.00E+00	1.72E-06	1.18E-07	1.74E-07	0.00E+00	2.91E-07	5.14E-08	6.95E-08	0.00E+00	1.21E-07
672	441008.36	3768003.06	6.1664E-07	6.9426E-07	0.00E+00	1.31E-06	6.95E-07	1.01E-06	0.00E+00	1.70E-06	1.17E-07	1.72E-07	0.00E+00	2.89E-07	5.10E-08	6.89E-08	0.00E+00	1.20E-07
673	441017.53	3767999.3	6.1066E-07	6.8751E-07	0.00E+00	1.30E-06	6.88E-07	9.99E-07	0.00E+00	1.69E-06	1.15E-07	1.70E-07	0.00E+00	2.86E-07	5.05E-08	6.83E-08	0.00E+00	1.19E-07
674	441026.69	3767995.55	6.0424E-07	6.803E-07	0.00E+00	1.28E-06	6.81E-07	9.89E-07	0.00E+00	1.67E-06	1.14E-07	1.69E-07	0.00E+00	2.83E-07	5.00E-08	6.75E-08	0.00E+00	1.17E-07
675	441035.86	3767991.79	5.9829E-07	6.7359E-07	0.00E+00	1.27E-06	6.74E-07	9.79E-07	0.00E+00	1.65E-06	1.13E-07	1.67E-07	0.00E+00	2.80E-07	4.95E-08	6.69E-08	0.00E+00	1.16E-07
676	441045.02	3767988.04	5.9255E-07	6.6713E-07	0.00E+00	1.26E-06	6.68E-07	9.70E-07	0.00E+00	1.64E-06	1.12E-07	1.65E-07	0.00E+00	2.77E-07	4.90E-08	6.62E-08	0.00E+00	1.15E-07
677	441054.19	3767984.28	5.867E-07	6.6055E-07	0.00E+00	1.25E-06	6.61E-07	9.60E-07	0.00E+00	1.62E-06	1.11E-07	1.64E-07	0.00E+00	2.75E-07	4.85E-08	6.56E-08	0.00E+00	1.14E-07
678	441063.35	3767980.53	5.8122E-07	6.5437E-07	0.00E+00	1.24E-06	6.55E-07	9.51E-07	0.00E+00	1.61E-06	1.10E-07	1.62E-07	0.00E+00	2.72E-07	4.81E-08	6.50E-08	0.00E+00	1.13E-07
679	441072.52	3767976.78	5.763E-07	6.4883E-07	0.00E+00	1.23E-06	6.50E-07	9.43E-07	0.00E+00	1.59E-06	1.09E-07	1.61E-07	0.00E+00	2.70E-07	4.77E-08	6.44E-08	0.00E+00	1.12E-07
680	441081.68	3767973.02	5.7102E-07	6.4289E-07	0.00E+00	1.21E-06	6.44E-07	9.35E-07	0.00E+00	1.58E-06	1.08E-07	1.59E-07	0.00E+00	2.67E-07	4.72E-08	6.38E-08	0.00E+00	1.11E-07
681	441090.85	3767969.27	5.6517E-07	6.363E-07	0.00E+00	1.20E-06	6.37E-07	9.25E-07	0.00E+00	1.56E-06	1.07E-07	1.58E-07	0.00E+00	2.65E-07	4.67E-08	6.32E-08	0.00E+00	1.10E-07
682	441100.01	3767965.51	5.5681E-07	6.269E-07	0.00E+00	1.18E-06	6.28E-07	9.11E-07	0.00E+00	1.54E-06	1.05E-07	1.55E-07	0.00E+00	2.61E-07	4.60E-08	6.22E-08	0.00E+00	1.08E-07
683	441109.18	3767961.76	5.4802E-07	6.1699E-07	0.00E+00	1.17E-06	6.18E-07	8.97E-07	0.00E+00	1.51E-06	1.04E-07	1.53E-07	0.00E+00	2.57E-07	4.53E-08	6.13E-08	0.00E+00	1.07E-07
684	441118.34	3767958	5.3882E-07	6.0664E-07	0.00E+00	1.15E-06	6.07E-07	8.82E-07	0.00E+00	1.49E-06	1.02E-07	1.50E-07	0.00E+00	2.52E-07	4.46E-08	6.02E-08	0.00E+00	1.05E-07
685	441127.51	3767954.25	5.289E-07	5.9547E-07	0.00E+00	1.12E-06	5.96E-07	8.66E-07	0.00E+00	1.46E-06	1.00E-07	1.48E-07	0.00E+00	2.48E-07	4.37E-08	5.91E-08	0.00E+00	1.03E-07
686	441136.67	3767950.5	5.1874E-07	5.8403E-07	0.00E+00	1.10E-06	5.85E-07	8.49E-07	0.00E+00	1.43E-06	9.81E-08	1.45E-07	0.00E+00	2.43E-07	4.29E-08	5.80E-08	0.00E+00	1.01E-07
687	441145.84	3767946.74	5.0846E-07	5.7246E-07	0.00E+00	1.08E-06	5.73E-07	8.32E-07	0.00E+00	1.41E-06	9.61E-08	1.42E-07	0.00E+00	2.38E-07	4.20E-08	5.68E-08	0.00E+00	9.89E-08
688	441155	3767942.99	5.0006E-07	5.6299E-07	0.00E+00	1.06E-06	5.64E-07	8.18E-07	0.00E+00	1.38E-06	9.45E-08	1.40E-07	0.00E+00	2.34E-07	4.13E-08	5.59E-08	0.00E+00	9.72E-08
689	440820.54	3768173.94	6.8632E-07	7.727E-07	0.00E+00	1.46E-06	7.74E-07	1.12E-06	0.00E+00	1.90E-06	1.30E-07	1.91E-07	0.00E+00	3.21E-07	5.67E-08	7.67E-08	0.00E+00	1.33E-07
690	440824.32	3768164.95	6.8272E-07	7.6864E-07	0.00E+00	1.45E-06	7.70E-07	1.12E-06	0.00E+00	1.89E-06	1.29E-07	1.90E-07	0.00E+00	3.20E-07	5.65E-08	7.63E-08	0.00E+00	1.33E-07
691	440828.1	3768155.96	6.7872E-07	7.6414E-07	0.00E+00	1.44E-06	7.65E-07	1.11E-06	0.00E+00	1.88E-06	1.28E-07	1.89E-07	0.00E+00	3.18E-07	5.61E-08	7.59E-08	0.00E+00	1.32E-07
692	440831.88	3768146.98	6.7419E-07	7.5904E-07	0.00E+00	1.43E-06	7.60E-07	1.10E-06	0.00E+00	1.86E-06	1.27E-07	1.88E-07	0.00E+00	3.16E-07	5.57E-08	7.54E-08	0.00E+00	1.31E-07
693	440835.66	3768137.99	6.6945E-07	7.5371E-07	0.00E+00	1.42E-06	7.55E-07	1.10E-06	0.00E+00	1.85E-06	1.27E-07	1.87E-07	0.00E+00	3.13E-07	5.54E-08	7.48E-08	0.00E+00	1.30E-07
694	440839.44	3768129	6.6481E-07	7.4848E-07	0.00E+00	1.41E-06	7.49E-07	1.09E-06	0.00E+00	1.84E-06	1.26E-07	1.85E-07	0.00E+00	3.11E-07	5.50E-08	7.43E-08	0.00E+00	1.29E-07
695	440843.22	3768120.02	6.6025E-07	7.4335E-07	0.00E+00	1.40E-06	7.44E-07	1.08E-06	0.00E+00	1.82E-06	1.25E-07	1.84E-07	0.00E+00	3.09E-07	5.46E-08	7.38E-08	0.00E+00	1.28E-07
696	440846.99	3768111.03	6.5601E-07	7.3857E-07	0.00E+00	1.39E-06	7.39E-07	1.07E-06	0.00E+00	1.81E-06	1.24E-07	1.83E-07	0.00E+00	3.07E-07	5.42E-08	7.33E-08	0.00E+00	1.28E-07
697	440850.77	3768102.05	6.5142E-07	7.3341E-07	0.00E+00	1.38E-06	7.34E-07	1.07E-06	0.00E+00	1.80E-06	1.23E-07	1.82E-07	0.00E+00	3.05E-07	5.39E-08	7.28E-08	0.00E+00	1.27E-07
698	440854.55	3768093.06	6.4646E-07	7.2783E-07	0.00E+00	1.37E-06	7.29E-07	1.06E-06	0.00E+00	1.79E-06	1.22E-07	1.80E-07	0.00E+00	3.03E-07	5.35E-08	7.23E-08	0.00E+00	1.26E-07
699	440858.33	3768084.07	6.4127E-07	7.2198E-07	0.00E+00	1.36E-06	7.23E-07	1.05E-06	0.00E+00	1.77E-06	1.21E-07	1.79E-07	0.00E+00	3.00E-07	5.30E-08	7.17E-08	0.00E+00	1.25E-07
700	440862.11	3768075.09	6.3572E-07	7.1573E-07	0.00E+00	1.35E-06	7.17E-07	1.04E-06	0.00E+00	1.76E-06	1.20E-07	1.77E-07	0.00E+00	2.98E-07	5.26E-08	7.11E-08	0.00E+00	1.24E-07
701	440865.89	3768066.1	6.2989E-07	7.0917E-07	0.00E+00	1.34E-06	7.10E-07	1.03E-06	0.00E+00	1.74E-06	1.19E-07	1.76E-07	0.00E+00	2.95E-07	5.21E-08	7.04E-08	0.00E+00	1.22E-07
702	440877.22	3768039.14	6.0905E-07	6.8571E-07	0.00E+00	1.29E-06	6.87E-07	9.97E-07	0.00E+00	1.68E-06	1.15E-07	1.70E-07	0.00E+00	2.85E-07	5.04E-08	6.81E-08	0.00E+00	1.18E-07
703	440881	3768030.16	6.0164E-07	6.7737E-07	0.00E+00	1.28E-06	6.78E-07	9.85E-07	0.00E+00	1.66E-06	1.14E-07	1.68E-07	0.00E+00	2.82E-07	4.97E-08	6.72E-08	0.00E+00	1.17E-07
704	440884.78	3768021.17	5.9428E-07	6.6908E-07	0.00E+00	1.26E-06	6.70E-07	9.73E-07	0.00E+00	1.64E-06	1.12E-07	1.66E-07	0.00E+00	2.78E-07	4.91E-08	6.64E-08	0.00E+00	1.16E-07
705	440897.58	3768008.49	5.8848E-07	6.6255E-07	0.00E+00	1.25E-06	6.63E-07	9.63E-07	0.00E+00	1.63E-06	1.11E-07	1.64E-07	0.00E+00	2.75E-07	4.87E-08	6.58E-08	0.00E+00	1.14E-07
706	440906.6	3768004.8	5.8978E-07	6.6401E-07	0.00E+00	1.25E-06	6.65E-07	9.65E-07	0.00E+00	1.63E-06	1.11E-07	1.65E-07	0.00E+00	2.76E-07	4.88E-08	6.59E-08	0.00E+00	1.15E-07
707	440915.62	3768001.1	5.9021E-07	6.6449E-07	0.00E+00	1.25E-06	6.65E-07	9.66E-07	0.00E+00	1.63E-06	1.12E-07	1.65E-07	0.00E+00	2.76E-07	4.88E-08	6.60E-08	0.00E+00	1.15E-07
708	440924.64	3767997.41	5.8982E-07	6.6406E-07	0.00E+00	1.25E-06	6.65E-07	9.65E-07	0.00E+00	1.63E-06	1.12E-07	1.65E-07	0.00E+00	2.76E-07	4.88E-08	6.59E-08	0.00E+00	1.15E-07
709	440933.66	3767993.71	5.889E-07	6.6302E-07	0.00E+00	1.25E-06	6.64E-07	9.64E-07	0.00E+00	1.63E-06	1.11E-07	1.64E-07	0.00E+00	2.76E-07	4.87E-08	6.58E-08	0.00E+00	1.15E-07
710	440942.68	3767990.01	5.8747E-07	6.6141E-07	0.00E+00	1.25E-06	6.62E-07	9.61E-07	0.00E+00	1.62E-06	1.11E-07	1.64E-07	0.00E+00	2.75E-07	4.86E-08	6.57E-08	0.00E+00	1.14E-07
711	440951.7	3767986.32	5.8548E-07	6.5917E-07	0.00E+00	1.24E-06	6.60E-07	9.58E-07	0.00E+00	1.62E-06	1.11E-07	1.63E-07	0.00E+00	2.74E-07	4.84E-08	6.54E-08	0.00E+00	1.14E-07
712	440960.72	3767982.62	5.8323E-07	6.5663E-07	0.00E+00	1.24E-06	6.57E-07	9.54E-07	0.00E+00	1.61E-06	1.10E-07	1.63E-07	0.00E+00	2.73E-07	4.82E-08	6.52E-08	0.00E+00	1.13E-07
713	440969.74	3767978.93	5.8084E-07	6.5395E-07	0.00E+00	1.23E-06	6.55E-07	9.51E-07	0.00E+00	1.61E-06	1.10E-07	1.62E-07	0.00E+00	2.72E-07	4.80E-08	6.49E-08	0.00E+00	1.13E-07
714	440978.76	3767975.23	5.7696E-07	6.4957E-07	0.00E+00	1.23E-06	6.50E-07	9.44E-07	0.00E+00	1.59E-06	1.09E-07	1.61E-07	0.00E+00	2.70E-07	4.77E-08	6.45E-08	0.00E+00	1.12E-07
715	440987.78	3767971.54	5.7267E-07	6.4474E-07	0.00E+00	1.22E-06	6.46E-07	9.37E-07	0.00E+00	1.58E-06	1.08E-07	1.60E-07	0.00E+00	2.68E-07	4.74E-08	6.40E-08	0.00E+00	1.11E-07
716	440996.8	3767967.84	5.6781E-07	6.3928E-07	0.00E+00	1.21E-06	6.40E-07	9.29E-07	0.00E+00	1.57E-06	1.07E-07	1.58E-07	0.00E+00	2.66E-07	4.69E-08	6.35E-08	0.00E+00	1.10E-07
717	441005.83	3767964.15	5.6259E-07	6.334E-07	0.00E+00	1.20E-06	6.34E-07	9.21E-07	0.00E+00	1.55E-06	1.06E-07	1.57E-07	0.00E+00	2.63E-07	4.65E-08	6.29E-08	0.00E+00	1.09E-07
718	441014.85	3767960.45	5.5727E-07	6.2741E-07	0.00E+00	1.18E-06	6.28E-07	9.12E-07	0.00E+00	1.54E-06	1.05E-07	1.55E-07	0.00E+00	2.61E-07	4.61E-08	6.23E-08	0.00E+00	1.08E-07
719	441023.87	3767956.76	5.518E-07	6.2125E-07	0.00E+00	1.17E-06	6.22E-07	9.03E-07	0.00E+00	1.53E-06	1.04E-07	1.54E-07	0.00E+00	2.58E-07	4.56E-08	6.17E-08	0.00E+00	1.07E-07
720	441032.89	3767953.06	5.4652E-07	6.153E-07	0.00E+00	1.16E-06	6.16E-07	8.94E-07	0.00E+00	1.51E-06	1.03E-07	1.52E-07	0.00E+00	2.56E-07	4.52E-08	6.11E-08	0.00E+00	1.06E-07
721	441041.91	3767949.37	5.4175E-07	6.0994E-07	0.00E+00	1.15E-06	6.11E-07	8.87E-07	0.00E+00	1.50E-06	1.02E-07	1.51E-07	0.00E+00	2.54E-07	4.48E-08	6.06E-08	0.00E+00	1.05E-07
722	441050.93	3767945.67	5.3687E-07	6.0444E-07	0.00E+00	1.14E-06	6.05E-07	8.79E-07	0.00E+00	1.48E-06	1.01E-07	1.50E-07	0.00E+00	2.51E-07	4.44E-08	6.00E-08	0.00E+00	1.04E-07
723	441059.95	3767941.98	5.3198E-07	5.9893E-07	0.00E+00	1.13E-06	6.00E-07	8.71E-07	0.00E+00	1.47E-06	1.01E-07	1.48E-07	0.00E+00	2.49E-07	4.40E-08	5.95E-08	0.00E+00	1.03E-07
724	441068.97	3767938.28	5.259E-07	5.9209E-07	0.00E+00	1.12E-06	5.93E-07	8.61E-07	0.00E+00	1.45E-06	9.94E-08	1.47E-07	0.00E+00	2.46E-07	4.35E-08	5.88E-08	0.00E+00	1.02E-07
725	441105.05	3767923.5	4.9649E-07	5.5898E-07	0.00E+00	1.06E-06	5.60E-07	8.13E-07	0.00E+00	1.37E-06	9.39E-08	1.39E-07	0.00E+00	2.32E-07	4.11E-08	5.55E-08	0.00E+00	9.65E-08
726	441114.07	3767919.81	4.8839E-07	5.4985E-07	0.00E+00	1.04E-06	5.51E-07	7.99E-07	0.00E+00	1.35E-06	9.23E-08	1.36E-07	0.00E+00	2.29E-07	4.04E-08	5.46E-08	0.00E+00	9.50E-08
727	441123.09	3767916.11	4.8036E-07	5.4082E-07	0.00E+00	1.02E-06	5.41E-07	7.86E-07	0.00E+00	1.33E-06	9.08E-08	1.34E-07	0.00E+00	2.25E-07	3.97E-08	5.37E-08	0.00E+00	9.34E-08
728	441132.11	3767912.42	4.7246E-07	5.3192E-07	0.00E+00	1.00E-06	5.33E-07	7.73E-07	0.00E+00	1.31E-06	8.93E-08	1.32E-07	0.00E+00	2.21E-07	3.91E-08	5.28E-08	0.00E+00	9.19E-08
729	441141.13	3767908.72	4.6473E-07	5.2323E-07	0.00E+00	9.88E-07	5.24E-07	7.61E-07	0.00E+00	1.28E-06	8.79E-08	1.30E-07	0.00E+00	2.18E-07	3.84E-08	5.19E-08	0.00E+00	9.04E-08
730	441150.16	3767905.02	4.5706E-07	5.1459E-07	0.00E+00	9.72E-07	5.15E-07	7.48E-07	0.00E+00	1.26E-06	8.64E-08	1.28E-07	0.00E+00	2.14E-07	3.78E-08	5.11E-08	0.00E+00	8.89E-08
731	441159.18	3767901.33	4.5073E-07	5.0746E-07	0.00E+00	9.58E-07	5.08E-07	7.38E-07	0.00E+00	1.25E-06	8.52E-08	1.26E-07	0.00E+00	2.11E-07	3.73E-08	5.04E-08	0.00E+00	8.76E-08
732	440765.73	3768208.92	6.3843E-07	7.1879E-07	0.00E+00	1.36E-06	7.20E-07	1.04E-06	0.00E+00	1.76E-06	1.21E-07	1.78E-07	0.00E+00	2.99E-07	5.28E-08	7.14E-08	0.00E+00	1.24E-07
733	440769.52	3768199.91	6.3868E-07	7.1906E-07	0.00E+00	1.36E-06	7.20E-07	1.05E-06	0.00E+00	1.77E-06	1.21E-07	1.78E-07	0.00E+00	2.99E-07	5.28E-08	7.14E-08	0.00E+00	1.24E-07
734	440773.31	3768190.91	6.3854E-07	7.1891E-07	0.00E+00	1.36E-06	7.20E-07	1.05E-06	0.00E+00	1.76E-06	1.21E-07	1.78E-07	0.00E+00	2.99E-07	5.28E-08	7.14E-08	0.00E+00	1.24E-07
735	440777.09	3768181.9	6.3797E-07	7.1826E-07	0.00E+00	1.36E-06	7.19E-07	1.04E-06	0.00E+00	1.76E-06	1.21E-07	1.78E-07	0.00E+00	2.99E-07	5.28E-08	7.13E-08	0.00E+00	1.24E-07

736	440784.67	3768163.89	6.3486E-07	7.1477E-07	0.00E+00	1.35E-06	7.16E-07	1.04E-06	0.00E+00	1.75E-06	1.20E-07	1.77E-07	0.00E+00	2.97E-07	5.25E-08	7.10E-08	0.00E+00	1.23E-07
737	440788.45	3768154.88	6.3209E-07	7.1165E-07	0.00E+00	1.34E-06	7.12E-07	1.03E-06	0.00E+00	1.75E-06	1.19E-07	1.76E-07	0.00E+00	2.96E-07	5.23E-08	7.06E-08	0.00E+00	1.23E-07
738	440792.24	3768145.88	6.2912E-07	7.083E-07	0.00E+00	1.34E-06	7.09E-07	1.03E-06	0.00E+00	1.74E-06	1.19E-07	1.76E-07	0.00E+00	2.94E-07	5.20E-08	7.03E-08	0.00E+00	1.22E-07
739	440796.03	3768136.87	6.2609E-07	7.0489E-07	0.00E+00	1.33E-06	7.06E-07	1.02E-06	0.00E+00	1.73E-06	1.18E-07	1.75E-07	0.00E+00	2.93E-07	5.18E-08	7.00E-08	0.00E+00	1.22E-07
740	440799.81	3768127.87	6.225E-07	7.0085E-07	0.00E+00	1.32E-06	7.02E-07	1.02E-06	0.00E+00	1.72E-06	1.18E-07	1.74E-07	0.00E+00	2.91E-07	5.15E-08	6.96E-08	0.00E+00	1.21E-07
741	440818.75	3768082.84	6.0374E-07	6.7973E-07	0.00E+00	1.28E-06	6.81E-07	9.88E-07	0.00E+00	1.67E-06	1.14E-07	1.68E-07	0.00E+00	2.83E-07	4.99E-08	6.75E-08	0.00E+00	1.17E-07
742	440822.54	3768073.83	6.0029E-07	6.7584E-07	0.00E+00	1.28E-06	6.77E-07	9.82E-07	0.00E+00	1.66E-06	1.13E-07	1.67E-07	0.00E+00	2.81E-07	4.96E-08	6.71E-08	0.00E+00	1.17E-07
743	440826.32	3768064.82	5.9652E-07	6.7159E-07	0.00E+00	1.27E-06	6.72E-07	9.76E-07	0.00E+00	1.65E-06	1.13E-07	1.66E-07	0.00E+00	2.79E-07	4.93E-08	6.67E-08	0.00E+00	1.16E-07
744	440837.68	3768037.81	5.8052E-07	6.5359E-07	0.00E+00	1.23E-06	6.54E-07	9.50E-07	0.00E+00	1.60E-06	1.10E-07	1.62E-07	0.00E+00	2.72E-07	4.80E-08	6.49E-08	0.00E+00	1.13E-07
745	440841.47	3768028.8	5.7414E-07	6.464E-07	0.00E+00	1.22E-06	6.47E-07	9.40E-07	0.00E+00	1.59E-06	1.09E-07	1.60E-07	0.00E+00	2.69E-07	4.75E-08	6.42E-08	0.00E+00	1.12E-07
746	440845.26	3768019.8	5.6667E-07	0.000000638	0.00E+00	1.20E-06	6.39E-07	9.27E-07	0.00E+00	1.57E-06	1.07E-07	1.58E-07	0.00E+00	2.65E-07	4.69E-08	6.33E-08	0.00E+00	1.10E-07
747	440849.04	3768010.79	5.5881E-07	6.2914E-07	0.00E+00	1.19E-06	6.30E-07	9.15E-07	0.00E+00	1.54E-06	1.06E-07	1.56E-07	0.00E+00	2.62E-07	4.62E-08	6.25E-08	0.00E+00	1.09E-07
748	440852.83	3768001.78	5.5156E-07	6.2099E-07	0.00E+00	1.17E-06	6.22E-07	9.03E-07	0.00E+00	1.52E-06	1.04E-07	1.54E-07	0.00E+00	2.58E-07	4.56E-08	6.16E-08	0.00E+00	1.07E-07
749	440856.62	3767992.78	5.4565E-07	6.1432E-07	0.00E+00	1.16E-06	6.15E-07	8.93E-07	0.00E+00	1.51E-06	1.03E-07	1.52E-07	0.00E+00	2.55E-07	4.51E-08	6.10E-08	0.00E+00	1.06E-07
750	440869.44	3767980.07	5.4117E-07	6.0928E-07	0.00E+00	1.15E-06	6.10E-07	8.86E-07	0.00E+00	1.50E-06	1.02E-07	1.51E-07	0.00E+00	2.53E-07	4.47E-08	6.05E-08	0.00E+00	1.05E-07
751	440878.49	3767976.36	5.4215E-07	6.1039E-07	0.00E+00	1.15E-06	6.11E-07	8.87E-07	0.00E+00	1.50E-06	1.02E-07	1.51E-07	0.00E+00	2.54E-07	4.48E-08	6.06E-08	0.00E+00	1.05E-07
752	440887.53	3767972.66	5.4265E-07	6.1095E-07	0.00E+00	1.15E-06	6.12E-07	8.88E-07	0.00E+00	1.50E-06	1.03E-07	1.51E-07	0.00E+00	2.54E-07	4.49E-08	6.07E-08	0.00E+00	1.06E-07
753	440896.57	3767968.96	5.4272E-07	6.1102E-07	0.00E+00	1.15E-06	6.12E-07	8.88E-07	0.00E+00	1.50E-06	1.03E-07	1.51E-07	0.00E+00	2.54E-07	4.49E-08	6.07E-08	0.00E+00	1.06E-07
754	440905.61	3767965.25	5.4249E-07	6.1077E-07	0.00E+00	1.15E-06	6.11E-07	8.88E-07	0.00E+00	1.50E-06	1.03E-07	1.51E-07	0.00E+00	2.54E-07	4.49E-08	6.06E-08	0.00E+00	1.05E-07
755	440914.65	3767961.55	5.4187E-07	6.1007E-07	0.00E+00	1.15E-06	6.11E-07	8.87E-07	0.00E+00	1.50E-06	1.02E-07	1.51E-07	0.00E+00	2.54E-07	4.48E-08	6.06E-08	0.00E+00	1.05E-07
756	440923.69	3767957.85	5.4099E-07	6.0908E-07	0.00E+00	1.15E-06	6.10E-07	8.85E-07	0.00E+00	1.50E-06	1.02E-07	1.51E-07	0.00E+00	2.53E-07	4.47E-08	6.05E-08	0.00E+00	1.05E-07
757	440932.73	3767954.14	5.3975E-07	6.0769E-07	0.00E+00	1.15E-06	6.08E-07	8.83E-07	0.00E+00	1.49E-06	1.02E-07	1.51E-07	0.00E+00	2.53E-07	4.46E-08	6.03E-08	0.00E+00	1.05E-07
758	440941.77	3767950.44	5.3813E-07	6.0586E-07	0.00E+00	1.14E-06	6.07E-07	8.81E-07	0.00E+00	1.49E-06	1.02E-07	1.50E-07	0.00E+00	2.52E-07	4.45E-08	6.01E-08	0.00E+00	1.05E-07
759	440950.81	3767946.74	5.3572E-07	6.0314E-07	0.00E+00	1.14E-06	6.04E-07	8.77E-07	0.00E+00	1.48E-06	1.01E-07	1.49E-07	0.00E+00	2.51E-07	4.43E-08	5.99E-08	0.00E+00	1.04E-07
760	440959.85	3767943.03	5.3278E-07	5.9984E-07	0.00E+00	1.13E-06	6.01E-07	8.72E-07	0.00E+00	1.47E-06	1.01E-07	1.49E-07	0.00E+00	2.49E-07	4.41E-08	5.95E-08	0.00E+00	1.04E-07
761	440968.89	3767939.33	5.2944E-07	5.9607E-07	0.00E+00	1.13E-06	5.97E-07	8.66E-07	0.00E+00	1.46E-06	1.00E-07	1.48E-07	0.00E+00	2.48E-07	4.38E-08	5.92E-08	0.00E+00	1.03E-07
762	441005.05	3767924.52	5.1008E-07	5.7428E-07	0.00E+00	1.08E-06	5.75E-07	8.35E-07	0.00E+00	1.41E-06	9.64E-08	1.42E-07	0.00E+00	2.39E-07	4.22E-08	5.70E-08	0.00E+00	9.92E-08
763	441014.09	3767920.81	5.0522E-07	5.6881E-07	0.00E+00	1.07E-06	5.69E-07	8.27E-07	0.00E+00	1.40E-06	9.55E-08	1.41E-07	0.00E+00	2.36E-07	4.18E-08	5.65E-08	0.00E+00	9.82E-08
764	441023.14	3767917.11	5.0012E-07	5.6307E-07	0.00E+00	1.06E-06	5.64E-07	8.18E-07	0.00E+00	1.38E-06	9.45E-08	1.40E-07	0.00E+00	2.34E-07	4.14E-08	5.59E-08	0.00E+00	9.73E-08
765	441032.18	3767913.41	4.9503E-07	5.5734E-07	0.00E+00	1.05E-06	5.58E-07	8.10E-07	0.00E+00	1.37E-06	9.36E-08	1.38E-07	0.00E+00	2.32E-07	4.09E-08	5.53E-08	0.00E+00	9.63E-08
766	441041.22	3767909.7	4.9033E-07	5.5205E-07	0.00E+00	1.04E-06	5.53E-07	8.02E-07	0.00E+00	1.36E-06	9.27E-08	1.37E-07	0.00E+00	2.30E-07	4.05E-08	5.48E-08	0.00E+00	9.53E-08
767	441050.26	3767906	4.8604E-07	5.4721E-07	0.00E+00	1.03E-06	5.48E-07	7.95E-07	0.00E+00	1.34E-06	9.19E-08	1.36E-07	0.00E+00	2.27E-07	4.02E-08	5.43E-08	0.00E+00	9.45E-08
768	441059.3	3767902.3	4.8153E-07	5.4214E-07	0.00E+00	1.02E-06	5.43E-07	7.88E-07	0.00E+00	1.33E-06	9.10E-08	1.34E-07	0.00E+00	2.25E-07	3.98E-08	5.38E-08	0.00E+00	9.36E-08
769	441068.34	3767898.59	4.7614E-07	5.3607E-07	0.00E+00	1.01E-06	5.37E-07	7.79E-07	0.00E+00	1.32E-06	9.00E-08	1.33E-07	0.00E+00	2.23E-07	3.94E-08	5.32E-08	0.00E+00	9.26E-08
770	441077.38	3767894.89	4.7055E-07	5.2978E-07	0.00E+00	1.00E-06	5.30E-07	7.70E-07	0.00E+00	1.30E-06	8.90E-08	1.31E-07	0.00E+00	2.20E-07	3.89E-08	5.26E-08	0.00E+00	9.15E-08
771	441086.42	3767891.19	4.6483E-07	5.2334E-07	0.00E+00	9.88E-07	5.24E-07	7.61E-07	0.00E+00	1.28E-06	8.79E-08	1.30E-07	0.00E+00	2.18E-07	3.84E-08	5.20E-08	0.00E+00	9.04E-08
772	441095.46	3767887.48	4.5856E-07	5.1627E-07	0.00E+00	9.75E-07	5.17E-07	7.50E-07	0.00E+00	1.27E-06	8.67E-08	1.28E-07	0.00E+00	2.15E-07	3.79E-08	5.13E-08	0.00E+00	8.92E-08
773	441104.5	3767883.78	4.5192E-07	5.088E-07	0.00E+00	9.61E-07	5.09E-07	7.40E-07	0.00E+00	1.25E-06	8.54E-08	1.26E-07	0.00E+00	2.12E-07	3.74E-08	5.05E-08	0.00E+00	8.79E-08
774	441113.54	3767880.08	4.4518E-07	5.0122E-07	0.00E+00	9.46E-07	5.02E-07	7.29E-07	0.00E+00	1.23E-06	8.42E-08	1.24E-07	0.00E+00	2.08E-07	3.68E-08	4.98E-08	0.00E+00	8.66E-08
775	441122.58	3767876.37	4.3862E-07	4.9382E-07	0.00E+00	9.32E-07	4.94E-07	7.18E-07	0.00E+00	1.21E-06	8.29E-08	1.22E-07	0.00E+00	2.05E-07	3.63E-08	4.90E-08	0.00E+00	8.53E-08
776	441131.62	3767872.67	4.3187E-07	4.8622E-07	0.00E+00	9.18E-07	4.87E-07	7.07E-07	0.00E+00	1.19E-06	8.16E-08	1.20E-07	0.00E+00	2.02E-07	3.57E-08	4.83E-08	0.00E+00	8.40E-08
777	441140.66	3767868.97	4.2493E-07	4.7841E-07	0.00E+00	9.03E-07	4.79E-07	6.95E-07	0.00E+00	1.17E-06	8.03E-08	1.19E-07	0.00E+00	1.99E-07	3.51E-08	4.75E-08	0.00E+00	8.26E-08
778	441149.7	3767865.26	4.1773E-07	4.703E-07	0.00E+00	8.88E-07	4.71E-07	6.84E-07	0.00E+00	1.15E-06	7.90E-08	1.17E-07	0.00E+00	1.96E-07	3.45E-08	4.67E-08	0.00E+00	8.12E-08
779	441158.74	3767861.56	4.1107E-07	4.6281E-07	0.00E+00	8.74E-07	4.63E-07	6.73E-07	0.00E+00	1.14E-06	7.77E-08	1.15E-07	0.00E+00	1.92E-07	3.40E-08	4.59E-08	0.00E+00	7.99E-08
780	441167.78	3767857.86	4.0427E-07	4.5515E-07	0.00E+00	8.59E-07	4.56E-07	6.62E-07	0.00E+00	1.12E-06	7.64E-08	1.13E-07	0.00E+00	1.89E-07	3.34E-08	4.52E-08	0.00E+00	7.86E-08
781	440695.65	3768280.22	5.6406E-07	6.3505E-07	0.00E+00	1.20E-06	6.36E-07	9.23E-07	0.00E+00	1.56E-06	1.07E-07	1.57E-07	0.00E+00	2.64E-07	4.66E-08	6.30E-08	0.00E+00	1.10E-07
782	440699.44	3768271.2	5.6742E-07	6.3884E-07	0.00E+00	1.21E-06	6.40E-07	9.29E-07	0.00E+00	1.57E-06	1.07E-07	1.58E-07	0.00E+00	2.66E-07	4.69E-08	6.34E-08	0.00E+00	1.10E-07
783	440703.24	3768262.17	5.7057E-07	6.4238E-07	0.00E+00	1.21E-06	6.43E-07	9.34E-07	0.00E+00	1.58E-06	1.08E-07	1.59E-07	0.00E+00	2.67E-07	4.72E-08	6.38E-08	0.00E+00	1.11E-07
784	440707.03	3768253.15	5.7336E-07	6.4553E-07	0.00E+00	1.22E-06	6.46E-07	9.38E-07	0.00E+00	1.58E-06	1.08E-07	1.60E-07	0.00E+00	2.68E-07	4.74E-08	6.41E-08	0.00E+00	1.11E-07
785	440710.83	3768244.12	5.7594E-07	6.4842E-07	0.00E+00	1.22E-06	6.49E-07	9.43E-07	0.00E+00	1.59E-06	1.09E-07	1.61E-07	0.00E+00	2.70E-07	4.76E-08	6.44E-08	0.00E+00	1.12E-07
786	440714.62	3768235.1	5.7821E-07	6.5098E-07	0.00E+00	1.23E-06	6.52E-07	9.46E-07	0.00E+00	1.60E-06	1.09E-07	1.61E-07	0.00E+00	2.71E-07	4.78E-08	6.46E-08	0.00E+00	1.12E-07
787	440718.42	3768226.08	5.8021E-07	6.5323E-07	0.00E+00	1.23E-06	6.54E-07	9.50E-07	0.00E+00	1.60E-06	1.10E-07	1.62E-07	0.00E+00	2.72E-07	4.80E-08	6.48E-08	0.00E+00	1.13E-07
788	440722.21	3768217.05	5.819E-07	6.5514E-07	0.00E+00	1.24E-06	6.56E-07	9.52E-07	0.00E+00	1.61E-06	1.10E-07	1.62E-07	0.00E+00	2.72E-07	4.81E-08	6.50E-08	0.00E+00	1.13E-07
789	440726.01	3768208.03	5.8332E-07	6.5674E-07	0.00E+00	1.24E-06	6.58E-07	9.55E-07	0.00E+00	1.61E-06	1.10E-07	1.63E-07	0.00E+00	2.73E-07	4.82E-08	6.52E-08	0.00E+00	1.13E-07
790	440729.8	3768199	5.8436E-07	6.5791E-07	0.00E+00	1.24E-06	6.59E-07	9.56E-07	0.00E+00	1.62E-06	1.10E-07	1.63E-07	0.00E+00	2.74E-07	4.83E-08	6.53E-08	0.00E+00	1.14E-07
791	440733.59	3768189.98	5.8509E-07	6.5874E-07	0.00E+00	1.24E-06	6.60E-07	9.58E-07	0.00E+00	1.62E-06	1.11E-07	1.63E-07	0.00E+00	2.74E-07	4.84E-08	6.54E-08	0.00E+00	1.14E-07
792	440737.39	3768180.96	5.8557E-07	6.5927E-07	0.00E+00	1.24E-06	6.60E-07	9.58E-07	0.00E+00	1.62E-06	1.11E-07	1.63E-07	0.00E+00	2.74E-07	4.84E-08	6.54E-08	0.00E+00	1.14E-07
793	440744.98	3768162.91	5.8677E-07	6.6062E-07	0.00E+00	1.25E-06	6.61E-07	9.60E-07	0.00E+00	1.62E-06	1.11E-07	1.64E-07	0.00E+00	2.75E-07	4.85E-08	6.56E-08	0.00E+00	1.14E-07
794	440748.77	3768153.88	5.8693E-07	6.6081E-07	0.00E+00	1.25E-06	6.62E-07	9.61E-07	0.00E+00	1.62E-06	1.11E-07	1.64E-07	0.00E+00	2.75E-07	4.85E-08	6.56E-08	0.00E+00	1.14E-07
795	440752.57	3768144.86	5.8643E-07	6.6024E-07	0.00E+00	1.25E-06	6.61E-07	9.60E-07	0.00E+00	1.62E-06	1.11E-07	1.64E-07	0.00E+00	2.74E-07	4.85E-08	6.55E-08	0.00E+00	1.14E-07
796	440756.36	3768135.84	5.853E-07	6.5896E-07	0.00E+00	1.24E-06	6.60E-07	9.58E-07	0.00E+00	1.62E-06	1.11E-07	1.63E-07	0.00E+00	2.74E-07	4.84E-08	6.54E-08	0.00E+00	1.14E-07
797	440760.16	3768126.81	5.8363E-07	6.5709E-07	0.00E+00	1.24E-06	6.58E-07	9.55E-07	0.00E+00	1.61E-06	1.10E-07	1.63E-07	0.00E+00	2.73E-07	4.83E-08	6.52E-08	0.00E+00	1.13E-07
798	440763.95	3768117.79	5.8137E-07	6.5455E-07	0.00E+00	1.24E-06	6.55E-07	9.51E-07	0.00E+00	1.61E-06	1.10E-07	1.62E-07	0.00E+00	2.72E-07	4.81E-08	6.50E-08	0.00E+00	1.13E-07
799	440767.74	3768108.76	5.7934E-07	6.5225E-07	0.00E+00	1.23E-06	6.53E-07	9.48E-07	0.00E+00	1.60E-06	1.10E-07	1.62E-07	0.00E+00	2.71E-07	4.79E-08	6.48E-08	0.00E+00	1.13E-07
800	440771.54	3768099.74	0.000000577	6.4962E-07	0.00E+00	1.23E-06	6.50E-07	9.44E-07	0.00E+00	1.59E-06	1.09E-07	1.61E-07	0.00E+00	2.70E-07	4.77E-08	6.45E-08	0.00E+00	1.12E-07
801	440775.33	3768090.72	5.7436E-07	6.4665E-07	0.00E+00	1.22E-06	6.47E-07	9.40E-07	0.00E+00	1.59E-06	1.09E-07	1.60E-07	0.00E+00	2.69E-07	4.75E-08	6.42E-08	0.00E+00	1.12E-07
802	440779.13	3768081.69	5.7206E-07	6.4406E-07	0.00E+00	1.22E-06	6.45E-07	9.36E-07	0.00E+00	1.58E-06	1.08E-07	1.60E-07	0.00E+00	2.68E-07	4.73E-08	6.39E-08	0.00E+00	1.11E-07
803	440782.92	3768072.67	5.6951E-07	6.412E-07	0.00E+00	1.21E-06	6.42E-07	9.32E-07	0.00E+00	1.57E-06	1.08E-07	1.59E-07	0.00E+00	2.67E-07	4.71E-08	6.37E-08	0.00E+00	1.11E-07
804	440786.72	3768063.64	5.667E-07	6.3802E-07	0.00E+00	1.20E-06	6.39E-07	9.27E-07	0.00E+00	1.57E-06	1.07E-07	1.58E-07	0.00E+00	2.65E-07	4.69E-08	6.33E-08	0.00E+00	1.10E-07
805	440798.1	3768036.57	5.5494E-07	6.2478E-07	0.00E+00	1.18E-06	6.26E-07	9.08E-07	0.00E+00	1.53E-06	1.05E-07	1.55E-07	0.00E+00	2.60E-07	4.59E-08	6.20E-08	0.00E+00	1.08E-07
806	440817.07	3767991.45	5.285E-07	5.9502E-07	0.00E+00	1.12E-06	5.96E-07	8.65E-07	0.00E+00	1.46E-06	9.99E-08	1.47E-07	0.00E+00	2.47E-07	4.37E-08	5.91E-08	0.00E+00	1.03E-07
807	440820.87	3767982.43	5.2288E-07	5.8869E-07	0.00E+00	1.11E-06	5.89E-07	8.56E-07	0.00E+00	1.45E-06	9.88E-08	1.46E-07	0.00E+00	2.45E-07	4.32E-08	5.84E-08	0.00E+00	1.02E-07
808	440824.66	3767973.4	5.1704E-07	5.8212E-07	0.00E+00	1.10E-06	5.83E-07	8.46E-07	0.00E+00	1.43E-06	9.77E-08	1.44E-07	0.00E+00	2.42E-07	4.28E-08	5.78E-08	0.00E+00	1.01E-07
809	440828.46	3767964.38	5.1088E-07	5.7518E-07	0.00E+00	1.09E-06	5.76E-07	8.36E-07	0.00E+00	1.41E-06	9.66E-08	1.43E-07	0.00E+00	2.39E-07	4.22E-08	5.71E-08	0.00E+00	9.93E-08
810	440841.31	3767951.65	5.0493E-07	5.6848E-07	0.00E+00	1.07E-06	5.69E-07	8.26E-07	0.00E+00	1.40E-06	9.55E-08	1.41E-07	0.00E+00	2.36E-07	4.18E-08	5.64E-08	0.00E+00	9.82E-08
811	440850.37	3767947.93	5.0514E-07	5.6871E-07	0.00E+00	1.07E-06	5.69E-07	8.27E-07	0.00E+00	1.40E-06	9.55E-08	1.41E-07	0.00E+00	2.36E-07	4.18E-08	5.65E-08	0.00E+00	9.82E-08
812	440859.43	3767944.22	5.0565E-07	5.693E-07	0.00E+00	1.07E-06	5.70E-07	8.28E-07	0.00E+00	1.40E-06	9.56E-08	1.41E-07	0.00E+00	2.37E-07	4.18E-08	5.65E-08	0.00E+00	9.83E-08
813	440868.49	3767940.51	5.0573E-07	5.6938E-07	0.00E+00	1.08E-06	5.70E-07	8.28E-07	0.00E+00	1.40E-06	9.56E-08	1.41E-07	0.00E+00	2.37E-07	4.18E-08	5.65E-08	0.00E+00	9.83E-08
814	440913.78	3767921.96	5.0122E-07	5.643E-07	0.00E+00	1.07E-06	5.65E-07	8.20E-07	0.00E+00	1.39E-06	9.48E-08	1.40E-07	0.00E+00	2.35E-07	4.14E-08	5.60E-08	0.00E+00	9.75E-08
815	440922.84	3767918.25	5.0009E-07	5.6304E-07	0.00E+00	1.06E-06	5.64E-07	8.18E-07	0.00E+00	1.38E-06	9.45E-08	1.40E-07	0.00E+00	2.34E-07	4.14E-08	5.59E-08	0.00E+00	9.72E-08
816	440931.9	3767914.54	4.9869E-07	5.6145E-07	0.00E+00	1.06E-06	5.62E-07	8.16E-07	0.00E+00	1.38E-06	9.43E-08	1.39E-07	0.00E+00	2.33E-07	4.12E-08	5.57E-08	0.00E+00	9.70E-08
817	440940.96	3767910.83	4.9687E-07	5.5941E-07	0.00E+00	1.06E-06	5.60E-07	8.13E-07	0.00E+00	1.37E-06	9.39E-08	1.39E-07	0.00E+00	2.33E-07	4.11E-08	5.55E-08	0.00E+00	9.66E-08
818	440950.01	3767907.12	4.934E-07	5.555E-07	0.00E+00	1.05E-06	5.56E-07	8.07E-07	0.00E+00	1.36E-06	9.33E-08	1.38E-07	0.00E+00	2.31E-07	4.08E-08	5.51E-08	0.00E+00	9.59E-08
819	440959.07	3767903.4	4.8959E-07	5.5121E-07	0.00E+00	1.04E-06	5.52E-07	8.01E-07	0.00E+00	1.35E-06	9.26E-08	1.37E-07	0.00E+00	2.29E-07	4.05E-08	5.47E-08	0.00E+00	9.52E-08
820	440968.13	3767899.69	4.8557E-07	5.4668E-07	0.00E+00	1.03E-06	5.47E-07	7.95E-07	0.00E+00	1.34E-06	9.18E-08	1.35E-07	0.00E+00	2.27E-07	4.01E-08	5.43E-08	0.00E+00	9.44E-08
821	440977.19	3767895.98	4.8124E-07	5.418E-07	0.00E+00	1.02E-06	5.42E-07	7.88E-07	0.00E+00	1.33E-06	9.10E-08	1.34E-07	0.00E+00	2.25E-07	3.98E-08	5.38E-08	0.00E+00	9.36E-08
822	440986.25	3767892.27	4.7698E-07	5.3701E-07	0.00E+00	1.01E-06	5.38E-07	7.81E-07	0.00E+00	1.32E-06	9.02E-08	1.33E-07	0.00E+00	2.23E-07	3.94E-08	5.33E-08	0.00E+00	9.28E-08
823	440995.31	3767888.56	4.7283E-07	5.3234E-07	0.00E+00	1.01E-06	5.33E-07	7.74E-07	0.00E+00	1.31E-06	8.94E-08	1.32E-07	0.00E+00	2.21E-07	3.91E-08	5.28E-08	0.00E+00	9.19E-08
824	441004.37	3767884.85	4.6868E-07	5.2766E-07	0.00E+00	9.96E-07	5.28E-07	7.67E-07	0.00E+00	1.30E-06	8.86E-08	1.31E-07	0.00E+00	2.19E-07	3.88E-08	5.24E-08	0.00E+00	9.11E-08
825	441013.43	3767881.14	4.6407E-07	5.2248E-07	0.00E+00	9.87E-07	5.23E-07	7.59E-07	0.00E+00	1.28E-06	8.77E-08	1.29E-07	0.00E+00	2.17E-07	3.84E-08	5.19E-08	0.00E+00	9.02E-08
826	441022.48	3767877.43	4.591E-07	5.1688E-07	0.00E+00	9.76E-07	5.18E-07	7.51E-07	0.00E+00	1.27E-06	8.68E-08	1.28E-07	0.00E+00	2.15E-07	3.80E-08	5.13E-08	0.00E+00	8.93E-08
827	441031.54	3767873.72	4.541E-07	5.1126E-07	0.00E+00	9.65E-07	5.12E-07	7.43E-07	0.00E+00	1.26E-06	8.58E-08	1.27E-07	0.00E+00	2.13E-07	3.75E-08	5.08E-08	0.00E+00	8.83E-08
828	441040.6	3767870.01	4.4988E-07	5.065E-07	0.00E+00	9.56E-07	5.07E-07	7.36E-07	0.00E+00	1.24E-06	8.50E-08	1.26E-07	0.00E+00	2.11E-07	3.72E-08	5.03E-08	0.00E+00	8.75E-08
829	441049.66	3767866.3	4.4532E-07	5.0137E-07	0.00E+00	9.47E-07	5.02E-07	7.29E-07	0.00E+00	1.23E-06	8.42E-08	1.24E-07	0.00E+00	2.08E-07	3.68E-08	4.98E-08	0.00E+00	8.66E-08
830	441058.72	3767862.59	4.4043E-07	4.9587E-07	0.00E+00	9.36E-07	4.96E-07	7.21E-07	0.00E+00	1.22E-06	8.33E-08	1.23E-07	0.00E+00	2.06E-07	3.64E-08	4.92E-08	0.00E+00	8.56E-08
831	441067.78	3767858.88	4.3552E-07	4.9034E-07	0.00E+00	9.26E-07	4.91E-07	7.13E-07	0.00E+00	1.20E-06	8.23E-08	1.22E-07	0.00E+00	2.04E-07	3.60E-08	4.87E-08	0.00E+00	8.47E-08
832	441094.95	3767847.74	4.2067E-07	4.7362E-07	0.00E+00	8.94E-07	4.74E-07	6.88E-07	0.00E+00	1.16E-06	7.95E-08	1.17E-07	0.00E+00	1.97E-07	3.48E-08	4.70E-08	0.00E+00	8.18E-08
833	441104.01	3767844.03	4.1519E-07	4.6745E-07	0.00E+00	8.83E-07	4.68E-07	6.79E-07	0.00E+00	1.15E-06	7.85E-08	1.16E-07	0.00E+00	1.94E-07	3.43E-08	4.64E-08	0.00E+00	8.07E-08
834	441113.07	3767840.32	4.0963E-07	4.6119E-07	0.00E+00	8.71E-07	4.62E-07	6.70E-07	0.00E+00	1.13E-06	7.74E-08	1.14E-07	0.00E+00	1.92E-07	3.39E-08	4.58E-08	0.00E+00	7.97E-08
835	441122.13	3767836.61	4.0382E-07	4.5465E-07	0.00E+00	8.58E-07	4.55E-07	6.61E-07	0.00E+00	1.12E-06	7.63E-08	1.13E-07	0.00E+00	1.89E-07	3.34E-08	4.51E-08	0.00E+00	7.85E-08
836	440655.84	3768279.52	5.1463E-07	5.7941E-07	0.00E+00	1.09E-06	5.80E-07	8.42E-07	0.00E+00	1.42E-06	9.73E-08	1.44E-07	0.00E+00	2.41E-07	4.26E-08	5.75E-08	0.00E+00	1.00E-07
837	440659.65	3768270.48	5.1725E-07	5.8236E-07	0.00E+00	1.10E-06	5.83E-07	8.47E-07	0.00E+00	1.43E-06	9.78E-08	1.44E-07	0.00E+00	2.42E-07	4.28E-08	5.78E-08	0.00E+00	1.01E-07
838	440663.45	3768261.44	0.000000521	5.8658E-07	0.00E+00	1.11E-06	5.87E-07	8.53E-07	0.00E+00	1.44E-06	9.85E-08	1.45E-07	0.00E+00	2.44E-07	4.31E-08	5.82E-08	0.00E+00	1.01E-07
839	440667.25	3768252.4	5.2454E-07	5.9056E-07	0.00E+00	1.12E-06	5.91E-07	8.58E-07	0.00E+00	1.45E-06	9.92E-08	1.46E-07	0.00E+00	2.46E-07	4.34E-08	5.86E-08	0.00E+00	1.02E-07
840	440671.05	3768243.36	5.2768E-07	5.941E-07	0.00E+00	1.12E-06	5.95E-07	8.64E-07	0.00E+00	1.46E-06	9.98E-08	1.47E-07	0.00E+00	2.47E-07	4.36E-08	5.90E-08	0.00E+00	1.03E-07
841	440674.85	3768234.32	5.3004E-07	5.9676E-07	0.00E+00	1.13E-06	5.97E-07	8.67E-07	0.00E+00	1.46E-06	1.00E-07	1.48E-07	0.00E+00	2.48E-07	4.38E-08	5.92E-08	0.00E+00	1.03E-07
842	440678.65	3768225.28	5.3196E-07	5.9892E-07	0.00E+00	1.13E-06	6.00E-07	8.71E-07	0.00E+00	1.47E-06	1.01E-07	1.48E-07	0.00E+00	2.49E-07	4.40E-08	5.95E-08	0.00E+00	1.03E-07
843	440682.45	3768216.24	5.3362E-07	6.0079E-07	0.00E+00	1.13E-06	6.02E-07	8.73E-07	0.00E+00	1.47E-06	1.01E-07	1.49E-07	0.00E+00	2.50E-07	4.41E-08	5.96E-08	0.00E+00	1.04E-07
844	440686.26	3768207.19	5.3515E-07	6.0251E-07	0.00E+00	1.14E-06	6.03E-07	8.76E-07	0.00E+00	1.48E-06	1.01E-07	1.49E-07	0.00E+00	2.50E-07	4.42E-08	5.98E-08	0.00E+00	1.04E-07
845	440690.06	3768198.15	5.367E-07	6.0425E-07	0.00E+00	1.14E-06	6.05E-07	8.78E-07	0.00E+00	1.48E-06	1.01E-07	1.50E-07	0.00E+00	2.51E-07	4.44E-08	6.00E-08	0.00E+00	1.04E-07
846	440693.86	3768189.11	5.3817E-07	6.0591E-07	0.00E+00	1.14E-06	6.07E-07	8.81E-07	0.00E+00	1.49E-06	1.02E-07	1.50E-07	0.00E+00	2.52E-07	4.45E-08	6.02E-08	0.00E+00	1.05E-07
847	440697.66	3768180.07	5.3954E-07	6.0745E-07	0.00E+00	1.15E-06	6.08E-07	8.83E-07	0.00E+00	1.49E-06	1.02E-07	1.51E-07	0.00E+00	2.53E-07	4.46E-08	6.03E-08	0.00E+00	1.05E-07
848	440705.26	3768161.99	5.4174E-07	6.0992E-07	0.00E+00	1.15E-06	6.11E-07	8.87E-07	0.00E+00	1.50E-06	1.02E-07	1.51E-07	0.00E+00	2.54E-07	4.48E-08	6.06E-08	0.00E+00	1.05E-07
849	440709.06	3768152.95	5.4241E-07	6.1068E-07	0.00E+00	1.15E-06	6.11E-07	8.88E-07	0.00E+00	1.50E-06	1.03E-07	1.51E-07	0.00E+00	2.54E-07	4.48E-08	6.06E-08	0.00E+00	1.05E-07
850	440712.86	3768143.91	5.4281E-07	6.1113E-07	0.00E+00	1.15E-06	6.12E-07	8.88E-07	0.00E+00	1.50E-06	1.03E-07	1.51E-07	0.00E+00	2.54E-07	4.49E-08	6.07E-08	0.00E+00	1.06E-07
851	440716.67	3768134.87	5.4298E-07	6.1132E-07	0.00E+00	1.15E-06	6.12E-07	8.89E-07	0.00E+00	1.50E-06	1.03E-07	1.52E-07	0.00E+00	2.54E-07	4.49E-08	6.07E-08	0.00E+00	1.06E-07
852	440720.47	3768125.83	5.428E-07	6.1111E-07	0.00E+00	1.15E-06	6.12E-07	8.88E-07	0.00E+00	1.50E-06	1.03E-07	1.51E-07	0.00E+00	2.54E-07	4.49E-08	6.07E-08	0.00E+00	1.06E-07
853	440724.27	3768116.79	5.4239E-07	6.1066E-07	0.00E+00	1.15E-06	6.11E-07	8.88E-07	0.00E+00	1.50E-06	1.03E-07	1.51E-07	0.00E+00	2.54E-07	4.48E-08	6.06E-08	0.00E+00	1.05E-07
854	440728.07	3768107.75	5.4168E-07	6.0985E-07	0.00E+00	1.15E-06	6.11E-07	8.86E-07	0.00E+00	1.50E-06	1.02E-07	1.51E-07	0.00E+00	2.54E-07	4.48E-08	6.05E-08	0.00E+00	1.05E-07
855	440731.87	3768098.71	5.4067E-07	6.0872E-07	0.00E+00	1.15E-06	6.09E-07	8.85E-07	0.00E+00	1.49E-06	1.02E-07	1.51E-07	0.00E+00	2.53E-07	4.47E-08	6.04E-08	0.00E+00	1.05E-07
856	440735.67	3768089.67	5.3946E-07	6.0736E-07	0.00E+00	1.15E-06	6.08E-07	8.83E-07	0.00E+00	1.49E-06	1.02E-07	1.51E-07	0.00E+00	2.53E-07	4.46E-08	6.03E-08	0.00E+00	1.05E-07
857	440739.47	3768080.63	5.3849E-07	6.0626E-07	0.00E+00	1.14E-06	6.07E-07	8.81E-07	0.00E+00	1.49E-06	1.02E-07	1.50E-07	0.00E+00	2.52E-07	4.45E-08	6.02E-08	0.00E+00	1.05E-07
858	440743.28	3768071.59	5.3729E-07	6.0491E-07	0.00E+00	1.14E-06	6.06E-07	8.79E-07	0.00E+00	1.48E-06	1.02E-07	1.50E-07	0.00E+00	2.51E-07	4.44E-08	6.01E-08	0.00E+00	1.04E-07

859	440747.08	3768062.55	5.358E-07	6.0324E-07	0.00E+00	1.14E-06	6.04E-07	8.77E-07	0.00E+00	1.48E-06	1.01E-07	1.49E-07	0.00E+00	2.51E-07	4.43E-08	5.99E-08	0.00E+00	1.04E-07
860	440758.48	3768035.43	5.2819E-07	5.9467E-07	0.00E+00	1.12E-06	5.95E-07	8.64E-07	0.00E+00	1.46E-06	9.99E-08	1.47E-07	0.00E+00	2.47E-07	4.37E-08	5.90E-08	0.00E+00	1.03E-07
861	440762.28	3768026.39	5.248E-07	5.9085E-07	0.00E+00	1.12E-06	5.92E-07	8.59E-07	0.00E+00	1.45E-06	9.92E-08	1.46E-07	0.00E+00	2.46E-07	4.34E-08	5.87E-08	0.00E+00	1.02E-07
862	440766.08	3768017.35	5.2091E-07	5.8647E-07	0.00E+00	1.11E-06	5.87E-07	8.53E-07	0.00E+00	1.44E-06	9.85E-08	1.45E-07	0.00E+00	2.44E-07	4.31E-08	5.82E-08	0.00E+00	1.01E-07
863	440769.89	3768008.31	5.1691E-07	5.8197E-07	0.00E+00	1.10E-06	5.83E-07	8.46E-07	0.00E+00	1.43E-06	9.77E-08	1.44E-07	0.00E+00	2.42E-07	4.27E-08	5.78E-08	0.00E+00	1.01E-07
864	440796.5	3767945.02	4.8337E-07	5.4421E-07	0.00E+00	1.03E-06	5.45E-07	7.91E-07	0.00E+00	1.34E-06	9.14E-08	1.35E-07	0.00E+00	2.26E-07	4.00E-08	5.40E-08	0.00E+00	9.40E-08
865	440616.02	3768278.86	4.6792E-07	5.2682E-07	0.00E+00	9.95E-07	5.27E-07	7.66E-07	0.00E+00	1.29E-06	8.85E-08	1.31E-07	0.00E+00	2.19E-07	3.87E-08	5.23E-08	0.00E+00	9.10E-08
866	440619.83	3768269.8	4.711E-07	5.3039E-07	0.00E+00	1.00E-06	5.31E-07	7.71E-07	0.00E+00	1.30E-06	8.91E-08	1.31E-07	0.00E+00	2.21E-07	3.90E-08	5.27E-08	0.00E+00	9.16E-08
867	440623.64	3768260.74	4.7524E-07	5.3505E-07	0.00E+00	1.01E-06	5.36E-07	7.78E-07	0.00E+00	1.31E-06	8.98E-08	1.33E-07	0.00E+00	2.22E-07	3.93E-08	5.31E-08	0.00E+00	9.24E-08
868	440627.44	3768251.69	4.7924E-07	5.3956E-07	0.00E+00	1.02E-06	5.40E-07	7.84E-07	0.00E+00	1.32E-06	9.06E-08	1.34E-07	0.00E+00	2.24E-07	3.96E-08	5.36E-08	0.00E+00	9.32E-08
869	440631.25	3768242.63	4.8309E-07	5.4389E-07	0.00E+00	1.03E-06	5.45E-07	7.91E-07	0.00E+00	1.34E-06	9.13E-08	1.35E-07	0.00E+00	2.26E-07	3.99E-08	5.40E-08	0.00E+00	9.39E-08
870	440635.06	3768233.58	4.8612E-07	5.473E-07	0.00E+00	1.03E-06	5.48E-07	7.96E-07	0.00E+00	1.34E-06	9.19E-08	1.36E-07	0.00E+00	2.28E-07	4.02E-08	5.43E-08	0.00E+00	9.45E-08
871	440638.87	3768224.52	4.8872E-07	5.5023E-07	0.00E+00	1.04E-06	5.51E-07	8.00E-07	0.00E+00	1.35E-06	9.24E-08	1.36E-07	0.00E+00	2.29E-07	4.04E-08	5.46E-08	0.00E+00	9.50E-08
872	440642.68	3768215.47	4.9098E-07	5.5277E-07	0.00E+00	1.04E-06	5.53E-07	8.04E-07	0.00E+00	1.36E-06	9.28E-08	1.37E-07	0.00E+00	2.30E-07	4.06E-08	5.49E-08	0.00E+00	9.55E-08
873	440646.48	3768206.41	4.9298E-07	5.5503E-07	0.00E+00	1.05E-06	5.56E-07	8.07E-07	0.00E+00	1.36E-06	9.32E-08	1.38E-07	0.00E+00	2.31E-07	4.08E-08	5.51E-08	0.00E+00	9.59E-08
874	440650.29	3768197.36	4.9479E-07	5.5706E-07	0.00E+00	1.05E-06	5.58E-07	8.10E-07	0.00E+00	1.37E-06	9.35E-08	1.38E-07	0.00E+00	2.32E-07	4.09E-08	5.53E-08	0.00E+00	9.62E-08
875	440654.1	3768188.3	4.964E-07	5.5888E-07	0.00E+00	1.06E-06	5.60E-07	8.12E-07	0.00E+00	1.37E-06	9.38E-08	1.39E-07	0.00E+00	2.32E-07	4.10E-08	5.55E-08	0.00E+00	9.65E-08
876	440657.91	3768179.25	4.9778E-07	5.6043E-07	0.00E+00	1.06E-06	5.61E-07	8.15E-07	0.00E+00	1.38E-06	9.41E-08	1.39E-07	0.00E+00	2.33E-07	4.12E-08	5.56E-08	0.00E+00	9.68E-08
877	440665.52	3768161.13	4.9984E-07	5.6275E-07	0.00E+00	1.06E-06	5.63E-07	8.18E-07	0.00E+00	1.38E-06	9.45E-08	1.39E-07	0.00E+00	2.34E-07	4.13E-08	5.59E-08	0.00E+00	9.72E-08
878	440669.33	3768152.08	5.0052E-07	5.6352E-07	0.00E+00	1.06E-06	5.64E-07	8.19E-07	0.00E+00	1.38E-06	9.46E-08	1.40E-07	0.00E+00	2.34E-07	4.14E-08	5.59E-08	0.00E+00	9.73E-08
879	440673.14	3768143.02	5.0162E-07	5.6476E-07	0.00E+00	1.07E-06	5.65E-07	8.21E-07	0.00E+00	1.39E-06	9.48E-08	1.40E-07	0.00E+00	2.35E-07	4.15E-08	5.61E-08	0.00E+00	9.75E-08
880	440676.94	3768133.97	5.0268E-07	5.6595E-07	0.00E+00	1.07E-06	5.67E-07	8.23E-07	0.00E+00	1.39E-06	9.50E-08	1.40E-07	0.00E+00	2.35E-07	4.16E-08	5.62E-08	0.00E+00	9.77E-08
881	440680.75	3768124.91	5.0346E-07	5.6683E-07	0.00E+00	1.07E-06	5.68E-07	8.24E-07	0.00E+00	1.39E-06	9.52E-08	1.40E-07	0.00E+00	2.36E-07	4.16E-08	5.63E-08	0.00E+00	9.79E-08
882	440684.56	3768115.86	5.0407E-07	5.6751E-07	0.00E+00	1.07E-06	5.68E-07	8.25E-07	0.00E+00	1.39E-06	9.53E-08	1.41E-07	0.00E+00	2.36E-07	4.17E-08	5.63E-08	0.00E+00	9.80E-08
883	440688.37	3768106.8	5.0437E-07	5.6785E-07	0.00E+00	1.07E-06	5.69E-07	8.25E-07	0.00E+00	1.39E-06	9.53E-08	1.41E-07	0.00E+00	2.36E-07	4.17E-08	5.64E-08	0.00E+00	9.81E-08
884	440692.18	3768097.75	5.0445E-07	5.6794E-07	0.00E+00	1.07E-06	5.69E-07	8.26E-07	0.00E+00	1.39E-06	9.54E-08	1.41E-07	0.00E+00	2.36E-07	4.17E-08	5.64E-08	0.00E+00	9.81E-08
885	440695.98	3768088.69	5.043E-07	5.6778E-07	0.00E+00	1.07E-06	5.68E-07	8.25E-07	0.00E+00	1.39E-06	9.53E-08	1.41E-07	0.00E+00	2.36E-07	4.17E-08	5.64E-08	0.00E+00	9.81E-08
886	440699.79	3768079.64	5.0387E-07	5.6729E-07	0.00E+00	1.07E-06	5.68E-07	8.25E-07	0.00E+00	1.39E-06	9.53E-08	1.41E-07	0.00E+00	2.36E-07	4.17E-08	5.63E-08	0.00E+00	9.80E-08
887	440703.6	3768070.58	5.0314E-07	5.6647E-07	0.00E+00	1.07E-06	5.67E-07	8.23E-07	0.00E+00	1.39E-06	9.51E-08	1.40E-07	0.00E+00	2.36E-07	4.16E-08	5.62E-08	0.00E+00	9.78E-08
888	440707.41	3768061.52	5.0229E-07	5.6551E-07	0.00E+00	1.07E-06	5.66E-07	8.22E-07	0.00E+00	1.39E-06	9.50E-08	1.40E-07	0.00E+00	2.35E-07	4.15E-08	5.61E-08	0.00E+00	9.77E-08
889	440715.02	3768043.41	4.998E-07	5.627E-07	0.00E+00	1.06E-06	5.63E-07	8.18E-07	0.00E+00	1.38E-06	9.45E-08	1.39E-07	0.00E+00	2.34E-07	4.13E-08	5.59E-08	0.00E+00	9.72E-08
890	440718.83	3768034.36	4.9817E-07	5.6087E-07	0.00E+00	1.06E-06	5.62E-07	8.15E-07	0.00E+00	1.38E-06	9.42E-08	1.39E-07	0.00E+00	2.33E-07	4.12E-08	5.57E-08	0.00E+00	9.69E-08
891	440722.64	3768025.3	4.9615E-07	5.586E-07	0.00E+00	1.05E-06	5.59E-07	8.12E-07	0.00E+00	1.37E-06	9.38E-08	1.38E-07	0.00E+00	2.32E-07	4.10E-08	5.55E-08	0.00E+00	9.65E-08
892	440726.44	3768016.25	4.9362E-07	5.5575E-07	0.00E+00	1.05E-06	5.56E-07	8.08E-07	0.00E+00	1.36E-06	9.33E-08	1.38E-07	0.00E+00	2.31E-07	4.08E-08	5.52E-08	0.00E+00	9.60E-08
893	440730.25	3768007.19	4.9074E-07	5.525E-07	0.00E+00	1.04E-06	5.53E-07	8.03E-07	0.00E+00	1.36E-06	9.28E-08	1.37E-07	0.00E+00	2.30E-07	4.06E-08	5.48E-08	0.00E+00	9.54E-08
894	441356.85	3768371.37	2.0864E-06	0.000002349	0.00E+00	4.44E-06	2.35E-06	3.41E-06	0.00E+00	5.77E-06	3.94E-07	5.82E-07	0.00E+00	9.77E-07	1.73E-07	2.33E-07	0.00E+00	4.06E-07
895	441298.46	3768371.64	0.000002241	2.5231E-06	0.00E+00	4.76E-06	2.53E-06	3.67E-06	0.00E+00	6.19E-06	4.24E-07	6.25E-07	0.00E+00	1.05E-06	1.85E-07	2.50E-07	0.00E+00	4.36E-07
896	441356.66	3768331.37	1.6561E-06	1.8646E-06	0.00E+00	3.52E-06	1.87E-06	2.71E-06	0.00E+00	4.58E-06	3.13E-07	4.62E-07	0.00E+00	7.75E-07	1.37E-07	1.85E-07	0.00E+00	3.22E-07
897	441298	3768271.64	1.3281E-06	1.4953E-06	0.00E+00	2.82E-06	1.50E-06	2.17E-06	0.00E+00	3.67E-06	2.51E-07	3.71E-07	0.00E+00	6.22E-07	1.10E-07	1.48E-07	0.00E+00	2.58E-07
898	441288.27	3768271.69	0.000001344	1.5132E-06	0.00E+00	2.86E-06	1.51E-06	2.20E-06	0.00E+00	3.71E-06	2.54E-07	3.75E-07	0.00E+00	6.29E-07	1.11E-07	1.50E-07	0.00E+00	2.61E-07
899	441278.54	3768271.73	1.3584E-06	1.5293E-06	0.00E+00	2.89E-06	1.53E-06	2.22E-06	0.00E+00	3.75E-06	2.57E-07	3.79E-07	0.00E+00	6.36E-07	1.12E-07	1.52E-07	0.00E+00	2.64E-07
900	441268.81	3768271.78	1.3717E-06	1.5443E-06	0.00E+00	2.92E-06	1.55E-06	2.24E-06	0.00E+00	3.79E-06	2.59E-07	3.83E-07	0.00E+00	6.42E-07	1.13E-07	1.53E-07	0.00E+00	2.67E-07
901	441259.08	3768271.82	1.3868E-06	1.5613E-06	0.00E+00	2.95E-06	1.56E-06	2.27E-06	0.00E+00	3.83E-06	2.62E-07	3.87E-07	0.00E+00	6.49E-07	1.15E-07	1.55E-07	0.00E+00	2.70E-07
902	441384.44	3768234.93	9.7015E-07	1.0923E-06	0.00E+00	2.06E-06	1.09E-06	1.59E-06	0.00E+00	2.68E-06	1.83E-07	2.71E-07	0.00E+00	4.54E-07	8.02E-08	1.08E-07	0.00E+00	1.89E-07
903	441375.66	3768231.28	9.7023E-07	1.0923E-06	0.00E+00	2.06E-06	1.09E-06	1.59E-06	0.00E+00	2.68E-06	1.83E-07	2.71E-07	0.00E+00	4.54E-07	8.02E-08	1.08E-07	0.00E+00	1.89E-07
904	441365.93	3768231.33	9.8703E-07	1.1113E-06	0.00E+00	2.10E-06	1.11E-06	1.62E-06	0.00E+00	2.73E-06	1.87E-07	2.75E-07	0.00E+00	4.62E-07	8.16E-08	1.10E-07	0.00E+00	1.92E-07
905	441356.2	3768231.37	1.0048E-06	1.1313E-06	0.00E+00	2.14E-06	1.13E-06	1.64E-06	0.00E+00	2.78E-06	1.90E-07	2.80E-07	0.00E+00	4.70E-07	8.31E-08	1.12E-07	0.00E+00	1.95E-07
906	441297.82	3768231.64	1.1207E-06	1.2617E-06	0.00E+00	2.38E-06	1.26E-06	1.83E-06	0.00E+00	3.10E-06	2.12E-07	3.13E-07	0.00E+00	5.25E-07	9.27E-08	1.25E-07	0.00E+00	2.18E-07
907	441288.09	3768231.69	0.000001139	1.2824E-06	0.00E+00	2.42E-06	1.28E-06	1.86E-06	0.00E+00	3.15E-06	2.15E-07	3.18E-07	0.00E+00	5.33E-07	9.42E-08	1.27E-07	0.00E+00	2.21E-07
908	441278.35	3768231.73	1.1561E-06	1.3017E-06	0.00E+00	2.46E-06	1.30E-06	1.89E-06	0.00E+00	3.20E-06	2.19E-07	3.23E-07	0.00E+00	5.41E-07	9.56E-08	1.29E-07	0.00E+00	2.25E-07
909	441268.62	3768231.78	1.1716E-06	1.3191E-06	0.00E+00	2.49E-06	1.32E-06	1.92E-06	0.00E+00	3.24E-06	2.21E-07	3.27E-07	0.00E+00	5.48E-07	9.69E-08	1.31E-07	0.00E+00	2.28E-07
910	441258.89	3768231.82	1.1828E-06	1.3317E-06	0.00E+00	2.51E-06	1.33E-06	1.94E-06	0.00E+00	3.27E-06	2.24E-07	3.30E-07	0.00E+00	5.54E-07	9.78E-08	1.32E-07	0.00E+00	2.30E-07
911	441384.32	3768194.95	8.2637E-07	9.3038E-07	0.00E+00	1.76E-06	9.31E-07	1.35E-06	0.00E+00	2.28E-06	1.56E-07	2.31E-07	0.00E+00	3.87E-07	6.83E-08	9.24E-08	0.00E+00	1.61E-07
912	441375.48	3768191.28	8.2777E-07	9.3195E-07	0.00E+00	1.76E-06	9.33E-07	1.35E-06	0.00E+00	2.29E-06	1.56E-07	2.31E-07	0.00E+00	3.87E-07	6.84E-08	9.25E-08	0.00E+00	1.61E-07
913	441365.75	3768191.33	8.4125E-07	9.4713E-07	0.00E+00	1.79E-06	9.48E-07	1.38E-06	0.00E+00	2.33E-06	1.59E-07	2.35E-07	0.00E+00	3.94E-07	6.96E-08	9.40E-08	0.00E+00	1.64E-07
914	441356.02	3768191.37	8.5525E-07	9.6289E-07	0.00E+00	1.82E-06	9.64E-07	1.40E-06	0.00E+00	2.36E-06	1.62E-07	2.39E-07	0.00E+00	4.00E-07	7.07E-08	9.56E-08	0.00E+00	1.66E-07
915	441297.63	3768191.64	9.5386E-07	1.0739E-06	0.00E+00	2.03E-06	1.08E-06	1.56E-06	0.00E+00	2.64E-06	1.80E-07	2.66E-07	0.00E+00	4.46E-07	7.89E-08	1.07E-07	0.00E+00	1.85E-07
916	441287.9	3768191.69	9.714E-07	1.0937E-06	0.00E+00	2.07E-06	1.09E-06	1.59E-06	0.00E+00	2.68E-06	1.84E-07	2.71E-07	0.00E+00	4.55E-07	8.03E-08	1.09E-07	0.00E+00	1.89E-07
917	441278.17	3768191.73	9.8814E-07	1.1125E-06	0.00E+00	2.10E-06	1.11E-06	1.62E-06	0.00E+00	2.73E-06	1.87E-07	2.76E-07	0.00E+00	4.63E-07	8.17E-08	1.10E-07	0.00E+00	1.92E-07
918	441268.44	3768191.78	1.0038E-06	1.1301E-06	0.00E+00	2.13E-06	1.13E-06	1.64E-06	0.00E+00	2.77E-06	1.90E-07	2.80E-07	0.00E+00	4.70E-07	8.30E-08	1.12E-07	0.00E+00	1.95E-07
919	441258.71	3768191.82	0.000001017	0.000001145	0.00E+00	2.16E-06	1.15E-06	1.66E-06	0.00E+00	2.81E-06	1.92E-07	2.84E-07	0.00E+00	4.76E-07	8.41E-08	1.14E-07	0.00E+00	1.98E-07
920	441384.19	3768154.98	7.1044E-07	7.9985E-07	0.00E+00	1.51E-06	8.01E-07	1.16E-06	0.00E+00	1.96E-06	1.34E-07	1.98E-07	0.00E+00	3.33E-07	5.87E-08	7.94E-08	0.00E+00	1.38E-07
921	441375.29	3768151.28	7.1207E-07	8.0169E-07	0.00E+00	1.51E-06	8.03E-07	1.17E-06	0.00E+00	1.97E-06	1.35E-07	1.99E-07	0.00E+00	3.33E-07	5.89E-08	7.96E-08	0.00E+00	1.38E-07
922	441365.56	3768151.33	7.2482E-07	8.1604E-07	0.00E+00	1.54E-06	8.17E-07	1.19E-06	0.00E+00	2.00E-06	1.37E-07	2.02E-07	0.00E+00	3.39E-07	5.99E-08	8.10E-08	0.00E+00	1.41E-07
923	441355.83	3768151.37	7.3671E-07	8.2943E-07	0.00E+00	1.57E-06	8.30E-07	1.21E-06	0.00E+00	2.04E-06	1.39E-07	2.06E-07	0.00E+00	3.45E-07	6.09E-08	8.23E-08	0.00E+00	1.43E-07
924	441297.45	3768151.64	8.1207E-07	9.1428E-07	0.00E+00	1.73E-06	9.15E-07	1.33E-06	0.00E+00	2.24E-06	1.54E-07	2.27E-07	0.00E+00	3.80E-07	6.71E-08	9.08E-08	0.00E+00	1.58E-07
925	441287.72	3768151.69	8.2916E-07	9.3352E-07	0.00E+00	1.76E-06	9.35E-07	1.36E-06	0.00E+00	2.29E-06	1.57E-07	2.31E-07	0.00E+00	3.88E-07	6.86E-08	9.27E-08	0.00E+00	1.61E-07
926	441277.98	3768151.73	8.4568E-07	9.5212E-07	0.00E+00	1.80E-06	9.53E-07	1.38E-06	0.00E+00	2.34E-06	1.60E-07	2.36E-07	0.00E+00	3.96E-07	6.99E-08	9.45E-08	0.00E+00	1.64E-07
927	441268.25	3768151.78	8.6149E-07	9.6992E-07	0.00E+00	1.83E-06	9.71E-07	1.41E-06	0.00E+00	2.38E-06	1.63E-07	2.40E-07	0.00E+00	4.03E-07	7.12E-08	9.63E-08	0.00E+00	1.68E-07
928	441258.52	3768151.82	8.7655E-07	9.8687E-07	0.00E+00	1.86E-06	9.88E-07	1.43E-06	0.00E+00	2.42E-06	1.66E-07	2.45E-07	0.00E+00	4.10E-07	7.25E-08	9.80E-08	0.00E+00	1.70E-07
929	441384.06	3768115	6.1619E-07	6.9375E-07	0.00E+00	1.31E-06	6.95E-07	1.01E-06	0.00E+00	1.70E-06	1.16E-07	1.72E-07	0.00E+00	2.88E-07	5.09E-08	6.89E-08	0.00E+00	1.20E-07
930	441375.11	3768111.29	6.2034E-07	6.9842E-07	0.00E+00	1.32E-06	6.99E-07	1.02E-06	0.00E+00	1.71E-06	1.17E-07	1.73E-07	0.00E+00	2.90E-07	5.13E-08	6.93E-08	0.00E+00	1.21E-07
931	441365.38	3768111.33	6.3195E-07	7.1148E-07	0.00E+00	1.34E-06	7.12E-07	1.03E-06	0.00E+00	1.75E-06	1.19E-07	1.76E-07	0.00E+00	2.96E-07	5.23E-08	7.06E-08	0.00E+00	1.23E-07
932	441355.65	3768111.38	6.433E-07	7.2426E-07	0.00E+00	1.37E-06	7.25E-07	1.05E-06	0.00E+00	1.78E-06	1.22E-07	1.79E-07	0.00E+00	3.01E-07	5.32E-08	7.19E-08	0.00E+00	1.25E-07
933	441297.26	3768111.65	7.1041E-07	7.9982E-07	0.00E+00	1.51E-06	8.01E-07	1.16E-06	0.00E+00	1.96E-06	1.34E-07	1.98E-07	0.00E+00	3.33E-07	5.87E-08	7.94E-08	0.00E+00	1.38E-07
934	441287.53	3768111.69	7.2375E-07	8.1484E-07	0.00E+00	1.54E-06	8.16E-07	1.18E-06	0.00E+00	2.00E-06	1.37E-07	2.02E-07	0.00E+00	3.39E-07	5.98E-08	8.09E-08	0.00E+00	1.41E-07
935	441277.8	3768111.74	7.3673E-07	8.2946E-07	0.00E+00	1.57E-06	8.30E-07	1.21E-06	0.00E+00	2.04E-06	1.39E-07	2.06E-07	0.00E+00	3.45E-07	6.09E-08	8.23E-08	0.00E+00	1.43E-07
936	441268.07	3768111.78	7.4926E-07	8.4356E-07	0.00E+00	1.59E-06	8.45E-07	1.23E-06	0.00E+00	2.07E-06	1.42E-07	2.09E-07	0.00E+00	3.51E-07	6.20E-08	8.37E-08	0.00E+00	1.46E-07
937	441258.34	3768111.83	7.6104E-07	8.5682E-07	0.00E+00	1.62E-06	8.58E-07	1.25E-06	0.00E+00	2.10E-06	1.44E-07	2.12E-07	0.00E+00	3.56E-07	6.29E-08	8.51E-08	0.00E+00	1.48E-07
938	441383.71	3768074.93	5.5485E-07	6.2469E-07	0.00E+00	1.18E-06	6.25E-07	9.08E-07	0.00E+00	1.53E-06	1.05E-07	1.55E-07	0.00E+00	2.60E-07	4.59E-08	6.20E-08	0.00E+00	1.08E-07
939	441374.92	3768071.29	5.5804E-07	6.2828E-07	0.00E+00	1.19E-06	6.29E-07	9.13E-07	0.00E+00	1.54E-06	1.05E-07	1.56E-07	0.00E+00	2.61E-07	4.61E-08	6.24E-08	0.00E+00	1.09E-07
940	441365.19	3768071.33	5.6689E-07	6.3824E-07	0.00E+00	1.21E-06	6.39E-07	9.28E-07	0.00E+00	1.57E-06	1.07E-07	1.58E-07	0.00E+00	2.65E-07	4.69E-08	6.34E-08	0.00E+00	1.10E-07
941	441355.46	3768071.38	5.7564E-07	6.481E-07	0.00E+00	1.22E-06	6.49E-07	9.42E-07	0.00E+00	1.59E-06	1.09E-07	1.61E-07	0.00E+00	2.69E-07	4.76E-08	6.43E-08	0.00E+00	1.12E-07
942	441297.08	3768071.65	6.285E-07	7.0761E-07	0.00E+00	1.34E-06	7.08E-07	1.03E-06	0.00E+00	1.74E-06	1.19E-07	1.75E-07	0.00E+00	2.94E-07	5.20E-08	7.02E-08	0.00E+00	1.22E-07
943	441287.35	3768071.69	6.416E-07	7.2235E-07	0.00E+00	1.36E-06	7.23E-07	1.05E-06	0.00E+00	1.77E-06	1.21E-07	1.79E-07	0.00E+00	3.00E-07	5.31E-08	7.17E-08	0.00E+00	1.25E-07
944	441277.61	3768071.74	6.5435E-07	7.3671E-07	0.00E+00	1.39E-06	7.38E-07	1.07E-06	0.00E+00	1.81E-06	1.24E-07	1.83E-07	0.00E+00	3.06E-07	5.41E-08	7.31E-08	0.00E+00	1.27E-07
945	441267.88	3768071.78	6.6609E-07	7.4993E-07	0.00E+00	1.42E-06	7.51E-07	1.09E-06	0.00E+00	1.84E-06	1.26E-07	1.86E-07	0.00E+00	3.12E-07	5.51E-08	7.44E-08	0.00E+00	1.30E-07
946	441258.15	3768071.83	6.7544E-07	7.6045E-07	0.00E+00	1.44E-06	7.61E-07	1.11E-06	0.00E+00	1.87E-06	1.28E-07	1.88E-07	0.00E+00	3.16E-07	5.58E-08	7.55E-08	0.00E+00	1.31E-07
947	441261.96	3768391.82	2.5899E-06	2.9158E-06	0.00E+00	5.51E-06	2.92E-06	4.24E-06	0.00E+00	7.16E-06	4.90E-07	7.23E-07	0.00E+00	1.21E-06	2.14E-07	2.89E-07	0.00E+00	5.04E-07
948	441253.69	3768371.77	2.3192E-06	2.6111E-06	0.00E+00	4.93E-06	2.61E-06	3.80E-06	0.00E+00	6.41E-06	4.38E-07	6.47E-07	0.00E+00	1.09E-06	1.92E-07	2.59E-07	0.00E+00	4.51E-07
949	441253.81	3768351.77	2.0841E-06	2.3464E-06	0.00E+00	4.43E-06	2.35E-06	3.41E-06	0.00E+00	5.76E-06	3.94E-07	5.81E-07	0.00E+00	9.75E-07	1.72E-07	2.33E-07	0.00E+00	4.05E-07
950	441253.93	3768331.77	1.8725E-06	2.1081E-06	0.00E+00	3.98E-06	2.11E-06	3.06E-06	0.00E+00	5.18E-06	3.54E-07	5.22E-07	0.00E+00	8.76E-07	1.55E-07	2.09E-07	0.00E+00	3.64E-07
951	441254.05	3768311.78	1.6916E-06	1.9045E-06	0.00E+00	3.60E-06	1.91E-06	2.77E-06	0.00E+00	4.68E-06	3.20E-07	4.72E-07	0.00E+00	7.92E-07	1.40E-07	1.89E-07	0.00E+00	3.29E-07
952	441172.77	3768781.71	2.7936E-06	3.1452E-06	0.00E+00	5.94E-06	3.15E-06	4.57E-06	0.00E+00	7.72E-06	5.28E-07	7.79E-07	0.00E+00	1.31E-06	2.31E-07	3.12E-07	0.00E+00	5.43E-07
953	441172.8	3768791.69	2.5667E-06	2.8898E-06	0.00E+00	5.46E-06	2.89E-06	4.20E-06	0.00E+00	7.09E-06	4.85E-07	7.16E-07	0.00E+00	1.20E-06	2.12E-07	2.87E-07	0.00E+00	4.99E-07
954	441152.77	3768781.77	2.3592E-06	2.6562E-06	0.00E+00	5.02E-06	2.66E-06	3.86E-06	0.00E+00	6.52E-06	4.46E-07	6.58E-07	0.00E+00	1.10E-06	1.95E-07	2.64E-07	0.00E+00	4.59E-07
955	441152.8	3768791.75	2.1944E-06	2.4706E-06	0.00E+00	4.67E-06	2.47E-06	3.59E-06	0.00E+00	6.06E-06	4.15E-07	6.12E-07	0.00E+00	1.03E-06	1.81E-07	2.45E-07	0.00E+00	4.27E-07
956	441132.77	3768781.83	2.0331E-06	0.000002289	0.00E+00	4.32E-06	2.29E-06	3.33E-06	0.00E+00	5.62E-06	3.84E-07	5.67E-07	0.00E+00	9.52E-07	1.68E-07	2.27E-07	0.00E+00	3.95E-07
957	441132.8	3768791.81	1.9064E-06	2.1463E-06	0.00E+00	4.05E-06	2.15E-06	3.12E-06	0.00E+00	5.27E-06	3.60E-07	5.32E-07	0.00E+00	8.92E-07	1.58E-07	2.13E-07	0.00E+00	3.71E-07
958	441112.77	3768781.89	0.000001779	2.0029E-06	0.00E+00	3.78E-06	2.01E-06	2.91E-06	0.00E+00	4.92E-06	3.36E-07	4.96E-07	0.00E+00	8.33E-07	1.47E-07	1.99E-07	0.00E+00	3.46E-07
959	441112.8	3768791.87	1.6787E-06	0.00000189	0.00E+00	3.57E-06	1.89E-06	2.75E-06	0.00E+00	4.64E-06	3.17E-07	4.68E-07	0.00E+00	7.86E-07	1.39E-07	1.88E-07	0.00E+00	3.26E-07
960	441092.77	3768781.95	1.5755E-06	1.7738E-06	0.00E+00	3.35E-06	1.78E-06	2.58E-06	0.00E+00	4.35E-06	2.98E-07	4.40E-07	0.00E+00	7.37E-07	1.30E-07	1.76E-07	0.00E+00	3.06E-07
961	441092.8	3768791.93	1.4943E-06	1.6823E-06	0.00E+00	3.18E-06	1.68E-06	2.45E-06	0.00E+00	4.13E-06	2.82E-07	4.17E-07	0.00E+00	6.99E-07	1.24E-07	1.67E-07	0.00E+00	2.91E-07
962	441119.95	3768466.49	2.6376E-06	2.9696E-06	0.00E+00	5.61E-06	2.97E-06	4.32E-06	0.00E+00	7.29E-06	4.99E-07	7.36E-07	0.00E+00	1.23E-06	2.18E-07	2.95E-07	0.00E+00	5.13E-07
963	441128.85	3768462.84	2.7066E-06	3.0473E-06	0.00E+00	5.75E-06	3.05E-06	4.43E-06	0.00E+00	7.48E-06	5.12E-07	7.55E-07	0.00E+00	1.27E-06	2.24E-07	3.03E-07	0.00E+00	5.26E-07
964	441095.13	3768416.81	2.0415E-06	2.2984E-06	0.00E+00	4.34E-06	2.30E-06	3.34E-06	0.00E+00	5.64E-06	3.86E-07	5.70E-07	0.00E+00	9.56E-07	1.69E-07	2.28E-07	0.00E+00	3.97E-07
965	441103.95	3768413.2	2.0736E-06	2.3346E-06	0.00E+00	4.41E-06	2.34E-06	3.39E-06	0.00E+00	5.73E-06	3.92E-07	5.79E-07	0.00E+00	9.71E-07	1.71E-07	2.32E-07	0.00E+00	4.03E-07
966	441112.76	3768409.59	0.000002102	2.3665E-06	0.00E+00	4.47E-06	2.37E-06	3.44E-06	0.00E+00	5.81E-06	3.97E-07	5.86E-07	0.00E+00	9.84E-07	1.74E-07	2.35E-07	0.00E+00	4.09E-07
967	441156.84	3768391.52	2.2298E-06	2.5104E-06	0.00E+00	4.74E-06	2.51E-06	3.65E-06	0.00E+00	6.16E-06	4.22E-07	6.22E-07	0.00E+00	1.04E-06	1.84E-07	2.49E-07	0.00E+00	4.34E-07
968	441209.73	3768369.84	2.2266E-06	2.5068E-06	0.00E+00	4.73E-06	2.51E-06	3.64E-06	0.00E+00	6.15E-06	4.21E-07	6.21E-07	0.00E+00	1.04E-06	1.84E-07	2.49E-07	0.00E+00	4.33E-07
969	441236.18	3768359	2.1616E-06	2.4337E-06	0.00E+00	4.60E-06	2.44E-06	3.54E-06	0.00E+00	5.97E-06	4.09E-07	6.03E-07	0.00E+00	1.01E-06	1.79E-07	2.42E-07	0.00E+00	4.20E-07
970	441013.41	3768513.05	1.7284E-06	1.9459E-06	0.00E+00	3.67E-06	1.95E-06	2.83E-06	0.00E+00	4.78E-06	3.27E-07	4.82E-07	0.00E+00	8.09E-07	1.43E-07	1.93E-07	0.00E+00	3.36E-07
971	441017.15	3768504	1.7515E-06	1.9719E-06	0.00E+00	3.72E-06	1.97E-06	2.87E-06	0.00E+00	4.84E-06	3.31E-07	4.89E-07	0.00E+00	8.20E-07	1.45E-07	1.96E-07	0.00E+00	3.41E-07
972	441063.62	3768409.77	0.000001804	0.000002031	0.00E+00	3.84E-06	2.03E-06	2.95E-06	0.00E+00	4.99E-06	3.41E-07	5.03E-07	0.00E+00	8.44E-07	1.49E-07	2.02E-07	0.00E+00	3.51E-07
973	441072.69	3768406.06	1.8427E-06	2.0747E-06	0.00E+00	3.92E-06	2.08E-06	3.02E-06	0.00E+00	5.09E-06	3.48E-07	5.14E-07	0.00E+00	8.63E-07	1.52E-07	2.06E-07	0.00E+00	3.58E-07
974	441099.87	3768394.92	1.9347E-06	2.1782E-06	0.00E+00	4.11E-06	2.18E-06	3.17E-06	0.00E+00	5.35E-06	3.66E-07	5.40E-07	0.00E+00	9.06E-07	1.60E-07	2.16E-07	0.00E+00	3.76E-07
975	441108.94	3768391.2	1.9572E-06	2.2035E-06	0.00E+00	4.16E-06	2.21E-06	3.20E-06	0.00E+00	5.41E-06	3.70E-07	5.46E-07	0.00E+00	9.16E-07	1.62E-07	2.19E-07	0.00E+00	3.81E-07
976	441118	3768387.49	1.9773E-06	2.2262E-06	0.00E+00	4.20E-06	2.23E-06	3.24E-06	0.00E+00	5.46E-06	3.74E-07	5.52E-07	0.00E+00	9.26E-07	1.63E-07	2.21E-07	0.00E+00	3.85E-07
977	441154.25	3768372.63	2.0506E-06	2.3087E-06	0.00E+00	4.36E-06	2.31E-06	3.36E-06	0.00E+00	5.67E-06	3.88E-07	5.72E-07	0.00E+00	9.60E-07	1.70E-07	2.29E-07	0.00E+00	3.99E-07
978	441163.31	3768368.92	0.000002056	2.3148E-06	0.00E+00	4.37E-06	2.32E-06	3.36E-06	0.00E+00	5.68E-06	3.89E-07	5.74E-07	0.00E+00	9.62E-07	1.70E-07	2.30E-07	0.00E+00	4.00E-07
979	441217.68	3768346.63	2.0033E-06	2.2555E-06	0.00E+00	4.26E-06	2.26E-06	3.28E-06	0.00E+00	5.54E-06	3.79E-07	5.59E-07	0.00E+00	9.38E-07	1.66E-07	2.24E-07	0.00E+00	3.90E-07
980	441226.74	3768342.92	1.9787E-06	2.2278E-06	0.00E+00	4.21E-06	2.23E-06	3.24E-06	0.00E+00	5.47E-06	3.74E-07	5.52E-07	0.00E+00	9.26E-07	1.64E-07	2.21E-07	0.00E+00	3.85E-07
981	441067.14	3768388.38	1.7348E-06	1.9531E-06	0.00E+00	3.69E-06	1.96E-06	2.84E-06	0.00E+00	4.79E-06	3.28E-07	4.84E-07	0.00E+00	8.12E-07	1.43E-07	1.94E-07	0.00E+00	3.37E-07

982	441076.04	3768384.73	1.7631E-06	0.000001985	0.00E+00	3.75E-06	1.99E-06	2.89E-06	0.00E+00	4.87E-06	3.33E-07	4.92E-07	0.00E+00	8.25E-07	1.46E-07	1.97E-07	0.00E+00	3.43E-07
983	441111.64	3768370.14	1.8455E-06	2.0777E-06	0.00E+00	3.92E-06	2.08E-06	3.02E-06	0.00E+00	5.10E-06	3.49E-07	5.15E-07	0.00E+00	8.64E-07	1.53E-07	2.06E-07	0.00E+00	3.59E-07
984	441120.54	3768366.49	1.8589E-06	2.0928E-06	0.00E+00	3.95E-06	2.10E-06	3.04E-06	0.00E+00	5.14E-06	3.51E-07	5.19E-07	0.00E+00	8.70E-07	1.54E-07	2.08E-07	0.00E+00	3.61E-07
985	441129.44	3768362.85	1.8738E-06	2.1097E-06	0.00E+00	3.98E-06	2.11E-06	3.07E-06	0.00E+00	5.18E-06	3.54E-07	5.23E-07	0.00E+00	8.77E-07	1.55E-07	2.09E-07	0.00E+00	3.64E-07
986	441165.05	3768348.25	1.8849E-06	2.1221E-06	0.00E+00	4.01E-06	2.12E-06	3.08E-06	0.00E+00	5.21E-06	3.56E-07	5.26E-07	0.00E+00	8.82E-07	1.56E-07	2.11E-07	0.00E+00	3.67E-07
987	441173.95	3768344.61	1.8784E-06	2.1149E-06	0.00E+00	3.99E-06	2.12E-06	3.07E-06	0.00E+00	5.19E-06	3.55E-07	5.24E-07	0.00E+00	8.79E-07	1.55E-07	2.10E-07	0.00E+00	3.65E-07
988	441209.55	3768330.01	1.8356E-06	2.0666E-06	0.00E+00	3.90E-06	2.07E-06	3.00E-06	0.00E+00	5.07E-06	3.47E-07	5.12E-07	0.00E+00	8.59E-07	1.52E-07	2.05E-07	0.00E+00	3.57E-07
989	441218.45	3768326.37	1.8156E-06	2.0441E-06	0.00E+00	3.86E-06	2.05E-06	2.97E-06	0.00E+00	5.02E-06	3.43E-07	5.07E-07	0.00E+00	8.50E-07	1.50E-07	2.03E-07	0.00E+00	3.53E-07
990	441227.35	3768322.72	1.7925E-06	2.0181E-06	0.00E+00	3.81E-06	2.02E-06	2.93E-06	0.00E+00	4.95E-06	3.39E-07	5.00E-07	0.00E+00	8.39E-07	1.48E-07	2.00E-07	0.00E+00	3.49E-07
991	441039.1	3768359.97	1.5219E-06	1.7134E-06	0.00E+00	3.24E-06	1.72E-06	2.49E-06	0.00E+00	4.21E-06	2.88E-07	4.25E-07	0.00E+00	7.12E-07	1.26E-07	1.70E-07	0.00E+00	2.96E-07
992	441048.06	3768356.3	1.5436E-06	1.7379E-06	0.00E+00	3.28E-06	1.74E-06	2.53E-06	0.00E+00	4.27E-06	2.92E-07	4.31E-07	0.00E+00	7.23E-07	1.28E-07	1.73E-07	0.00E+00	3.00E-07
993	441083.93	3768341.6	1.6088E-06	1.8113E-06	0.00E+00	3.42E-06	1.81E-06	2.63E-06	0.00E+00	4.45E-06	3.04E-07	4.49E-07	0.00E+00	7.53E-07	1.33E-07	1.80E-07	0.00E+00	3.13E-07
994	441092.89	3768337.92	1.6192E-06	0.000001823	0.00E+00	3.44E-06	1.83E-06	2.65E-06	0.00E+00	4.48E-06	3.06E-07	4.52E-07	0.00E+00	7.58E-07	1.34E-07	1.81E-07	0.00E+00	3.15E-07
995	441101.86	3768334.25	0.000001627	1.8318E-06	0.00E+00	3.46E-06	1.83E-06	2.66E-06	0.00E+00	4.50E-06	3.08E-07	4.54E-07	0.00E+00	7.62E-07	1.35E-07	1.82E-07	0.00E+00	3.16E-07
996	441128.76	3768323.22	1.6283E-06	1.8332E-06	0.00E+00	3.46E-06	1.84E-06	2.66E-06	0.00E+00	4.50E-06	3.08E-07	4.54E-07	0.00E+00	7.62E-07	1.35E-07	1.82E-07	0.00E+00	3.17E-07
997	441137.73	3768319.55	1.6211E-06	1.8251E-06	0.00E+00	3.45E-06	1.83E-06	2.65E-06	0.00E+00	4.48E-06	3.06E-07	4.52E-07	0.00E+00	7.59E-07	1.34E-07	1.81E-07	0.00E+00	3.15E-07
998	441182.56	3768301.18	1.5754E-06	1.7737E-06	0.00E+00	3.35E-06	1.78E-06	2.58E-06	0.00E+00	4.35E-06	2.98E-07	4.40E-07	0.00E+00	7.37E-07	1.30E-07	1.76E-07	0.00E+00	3.06E-07
999	441191.52	3768297.5	1.5659E-06	0.000001763	0.00E+00	3.33E-06	1.77E-06	2.56E-06	0.00E+00	4.33E-06	2.96E-07	4.37E-07	0.00E+00	7.33E-07	1.29E-07	1.75E-07	0.00E+00	3.04E-07
1000	441200.49	3768293.83	1.5535E-06	0.000001749	0.00E+00	3.30E-06	1.75E-06	2.54E-06	0.00E+00	4.29E-06	2.94E-07	4.33E-07	0.00E+00	7.27E-07	1.28E-07	1.74E-07	0.00E+00	3.02E-07
1001	441001.99	3768335.28	1.3138E-06	1.4792E-06	0.00E+00	2.79E-06	1.48E-06	2.15E-06	0.00E+00	3.63E-06	2.48E-07	3.67E-07	0.00E+00	6.15E-07	1.09E-07	1.47E-07	0.00E+00	2.55E-07
1002	441011.01	3768331.58	1.3378E-06	1.5062E-06	0.00E+00	2.84E-06	1.51E-06	2.19E-06	0.00E+00	3.70E-06	2.53E-07	3.73E-07	0.00E+00	6.26E-07	1.11E-07	1.50E-07	0.00E+00	2.60E-07
1003	441020.03	3768327.89	1.3607E-06	1.5319E-06	0.00E+00	2.89E-06	1.53E-06	2.23E-06	0.00E+00	3.76E-06	2.57E-07	3.80E-07	0.00E+00	6.37E-07	1.13E-07	1.52E-07	0.00E+00	2.65E-07
1004	441056.11	3768313.1	1.4238E-06	0.000001603	0.00E+00	3.03E-06	1.60E-06	2.33E-06	0.00E+00	3.94E-06	2.69E-07	3.97E-07	0.00E+00	6.66E-07	1.18E-07	1.59E-07	0.00E+00	2.77E-07
1005	441065.13	3768309.4	1.4328E-06	1.6131E-06	0.00E+00	3.05E-06	1.62E-06	2.34E-06	0.00E+00	3.96E-06	2.71E-07	4.00E-07	0.00E+00	6.71E-07	1.18E-07	1.60E-07	0.00E+00	2.79E-07
1006	441074.15	3768305.71	1.4384E-06	1.6194E-06	0.00E+00	3.06E-06	1.62E-06	2.35E-06	0.00E+00	3.98E-06	2.72E-07	4.01E-07	0.00E+00	6.73E-07	1.19E-07	1.61E-07	0.00E+00	2.80E-07
1007	441101.2	3768294.62	1.4402E-06	1.6214E-06	0.00E+00	3.06E-06	1.62E-06	2.36E-06	0.00E+00	3.98E-06	2.72E-07	4.02E-07	0.00E+00	6.74E-07	1.19E-07	1.61E-07	0.00E+00	2.80E-07
1008	441155.32	3768272.44	1.3853E-06	1.5596E-06	0.00E+00	2.94E-06	1.56E-06	2.27E-06	0.00E+00	3.83E-06	2.62E-07	3.87E-07	0.00E+00	6.48E-07	1.15E-07	1.55E-07	0.00E+00	2.69E-07
1009	441164.34	3768268.74	1.3771E-06	1.5504E-06	0.00E+00	2.93E-06	1.55E-06	2.25E-06	0.00E+00	3.81E-06	2.60E-07	3.84E-07	0.00E+00	6.45E-07	1.14E-07	1.54E-07	0.00E+00	2.68E-07
1010	441173.35	3768265.05	1.3678E-06	0.00000154	0.00E+00	2.91E-06	1.54E-06	2.24E-06	0.00E+00	3.78E-06	2.59E-07	3.82E-07	0.00E+00	6.40E-07	1.13E-07	1.53E-07	0.00E+00	2.66E-07
1011	441182.37	3768261.35	1.3564E-06	1.5271E-06	0.00E+00	2.88E-06	1.53E-06	2.22E-06	0.00E+00	3.75E-06	2.56E-07	3.78E-07	0.00E+00	6.35E-07	1.12E-07	1.52E-07	0.00E+00	2.64E-07
1012	441191.39	3768257.65	1.3421E-06	0.000001511	0.00E+00	2.85E-06	1.51E-06	2.20E-06	0.00E+00	3.71E-06	2.54E-07	3.74E-07	0.00E+00	6.28E-07	1.11E-07	1.50E-07	0.00E+00	2.61E-07
1013	441200.41	3768253.96	1.3251E-06	1.4919E-06	0.00E+00	2.82E-06	1.49E-06	2.17E-06	0.00E+00	3.66E-06	2.51E-07	3.70E-07	0.00E+00	6.20E-07	1.10E-07	1.48E-07	0.00E+00	2.58E-07
1014	441209.43	3768250.26	1.3059E-06	1.4702E-06	0.00E+00	2.78E-06	1.47E-06	2.14E-06	0.00E+00	3.61E-06	2.47E-07	3.64E-07	0.00E+00	6.11E-07	1.08E-07	1.46E-07	0.00E+00	2.54E-07
1015	441218.45	3768246.56	0.000001284	1.4456E-06	0.00E+00	2.73E-06	1.45E-06	2.10E-06	0.00E+00	3.55E-06	2.43E-07	3.58E-07	0.00E+00	6.01E-07	1.06E-07	1.44E-07	0.00E+00	2.50E-07
1016	441227.47	3768242.87	1.2607E-06	1.4194E-06	0.00E+00	2.68E-06	1.42E-06	2.06E-06	0.00E+00	3.48E-06	2.38E-07	3.52E-07	0.00E+00	5.90E-07	1.04E-07	1.41E-07	0.00E+00	2.45E-07
1017	440973.84	3768306.92	1.1592E-06	1.3051E-06	0.00E+00	2.46E-06	1.31E-06	1.90E-06	0.00E+00	3.20E-06	2.19E-07	3.23E-07	0.00E+00	5.43E-07	9.58E-08	1.30E-07	0.00E+00	2.25E-07
1018	440982.9	3768303.2	1.1803E-06	1.3288E-06	0.00E+00	2.51E-06	1.33E-06	1.93E-06	0.00E+00	3.26E-06	2.23E-07	3.29E-07	0.00E+00	5.52E-07	9.76E-08	1.32E-07	0.00E+00	2.30E-07
1019	440991.96	3768299.49	1.2007E-06	1.3518E-06	0.00E+00	2.55E-06	1.35E-06	1.97E-06	0.00E+00	3.32E-06	2.27E-07	3.35E-07	0.00E+00	5.62E-07	9.93E-08	1.34E-07	0.00E+00	2.33E-07
1020	441037.27	3768280.92	1.2761E-06	1.4367E-06	0.00E+00	2.71E-06	1.44E-06	2.09E-06	0.00E+00	3.53E-06	2.41E-07	3.56E-07	0.00E+00	5.97E-07	1.06E-07	1.43E-07	0.00E+00	2.48E-07
1021	441046.33	3768277.2	1.2839E-06	1.4455E-06	0.00E+00	2.73E-06	1.45E-06	2.10E-06	0.00E+00	3.55E-06	2.43E-07	3.58E-07	0.00E+00	6.01E-07	1.06E-07	1.44E-07	0.00E+00	2.50E-07
1022	441073.52	3768266.06	1.2917E-06	1.4543E-06	0.00E+00	2.75E-06	1.46E-06	2.11E-06	0.00E+00	3.57E-06	2.44E-07	3.60E-07	0.00E+00	6.05E-07	1.07E-07	1.44E-07	0.00E+00	2.51E-07
1023	441082.58	3768262.35	1.2891E-06	1.4513E-06	0.00E+00	2.74E-06	1.45E-06	2.11E-06	0.00E+00	3.56E-06	2.44E-07	3.60E-07	0.00E+00	6.03E-07	1.07E-07	1.44E-07	0.00E+00	2.51E-07
1024	441091.65	3768258.63	1.2848E-06	1.4465E-06	0.00E+00	2.73E-06	1.45E-06	2.10E-06	0.00E+00	3.55E-06	2.43E-07	3.58E-07	0.00E+00	6.01E-07	1.06E-07	1.44E-07	0.00E+00	2.50E-07
1025	441127.89	3768243.78	0.000001245	1.4017E-06	0.00E+00	2.65E-06	1.40E-06	2.04E-06	0.00E+00	3.44E-06	2.35E-07	3.47E-07	0.00E+00	5.83E-07	1.03E-07	1.39E-07	0.00E+00	2.42E-07
1026	441136.96	3768240.06	1.2365E-06	1.3922E-06	0.00E+00	2.63E-06	1.39E-06	2.02E-06	0.00E+00	3.42E-06	2.34E-07	3.45E-07	0.00E+00	5.79E-07	1.02E-07	1.38E-07	0.00E+00	2.40E-07
1027	441146.02	3768236.35	1.2275E-06	0.000001382	0.00E+00	2.61E-06	1.38E-06	2.01E-06	0.00E+00	3.39E-06	2.32E-07	3.42E-07	0.00E+00	5.75E-07	1.01E-07	1.37E-07	0.00E+00	2.39E-07
1028	441155.08	3768232.63	0.000001218	1.3713E-06	0.00E+00	2.59E-06	1.37E-06	1.99E-06	0.00E+00	3.37E-06	2.30E-07	3.40E-07	0.00E+00	5.70E-07	1.01E-07	1.36E-07	0.00E+00	2.37E-07
1029	441164.14	3768228.92	1.2083E-06	1.3603E-06	0.00E+00	2.57E-06	1.36E-06	1.98E-06	0.00E+00	3.34E-06	2.28E-07	3.37E-07	0.00E+00	5.66E-07	9.99E-08	1.35E-07	0.00E+00	2.35E-07
1030	441173.2	3768225.21	0.000001197	1.3477E-06	0.00E+00	2.54E-06	1.35E-06	1.96E-06	0.00E+00	3.31E-06	2.26E-07	3.34E-07	0.00E+00	5.60E-07	9.90E-08	1.34E-07	0.00E+00	2.33E-07
1031	441182.27	3768221.49	1.1837E-06	1.3327E-06	0.00E+00	2.52E-06	1.33E-06	1.94E-06	0.00E+00	3.27E-06	2.24E-07	3.30E-07	0.00E+00	5.54E-07	9.79E-08	1.32E-07	0.00E+00	2.30E-07
1032	441191.33	3768217.78	1.1673E-06	1.3142E-06	0.00E+00	2.48E-06	1.32E-06	1.91E-06	0.00E+00	3.23E-06	2.21E-07	3.26E-07	0.00E+00	5.46E-07	9.65E-08	1.30E-07	0.00E+00	2.27E-07
1033	441200.39	3768214.06	1.1497E-06	1.2944E-06	0.00E+00	2.44E-06	1.30E-06	1.88E-06	0.00E+00	3.18E-06	2.17E-07	3.21E-07	0.00E+00	5.38E-07	9.51E-08	1.29E-07	0.00E+00	2.24E-07
1034	441209.45	3768210.35	1.1311E-06	1.2735E-06	0.00E+00	2.40E-06	1.27E-06	1.85E-06	0.00E+00	3.13E-06	2.14E-07	3.16E-07	0.00E+00	5.29E-07	9.35E-08	1.26E-07	0.00E+00	2.20E-07
1035	441218.51	3768206.63	0.000001112	0.000001252	0.00E+00	2.36E-06	1.25E-06	1.82E-06	0.00E+00	3.07E-06	2.10E-07	3.10E-07	0.00E+00	5.20E-07	9.19E-08	1.24E-07	0.00E+00	2.16E-07
1036	441227.58	3768202.92	1.0917E-06	1.2291E-06	0.00E+00	2.32E-06	1.23E-06	1.79E-06	0.00E+00	3.02E-06	2.06E-07	3.05E-07	0.00E+00	5.11E-07	9.03E-08	1.22E-07	0.00E+00	2.12E-07
1037	440945.67	3768278.56	1.0379E-06	1.1686E-06	0.00E+00	2.21E-06	1.17E-06	1.70E-06	0.00E+00	2.87E-06	1.96E-07	2.90E-07	0.00E+00	4.86E-07	8.58E-08	1.16E-07	0.00E+00	2.02E-07
1038	440954.77	3768274.83	1.0514E-06	1.1837E-06	0.00E+00	2.24E-06	1.19E-06	1.72E-06	0.00E+00	2.91E-06	1.99E-07	2.93E-07	0.00E+00	4.92E-07	8.69E-08	1.18E-07	0.00E+00	2.04E-07
1039	440963.86	3768271.1	1.0639E-06	1.1978E-06	0.00E+00	2.26E-06	1.20E-06	1.74E-06	0.00E+00	2.94E-06	2.01E-07	2.97E-07	0.00E+00	4.98E-07	8.80E-08	1.19E-07	0.00E+00	2.07E-07
1040	441000.26	3768256.19	1.1177E-06	1.2584E-06	0.00E+00	2.38E-06	1.26E-06	1.83E-06	0.00E+00	3.09E-06	2.11E-07	3.12E-07	0.00E+00	5.23E-07	9.24E-08	1.25E-07	0.00E+00	2.17E-07
1041	441009.35	3768252.46	1.1299E-06	1.2721E-06	0.00E+00	2.40E-06	1.27E-06	1.85E-06	0.00E+00	3.12E-06	2.14E-07	3.15E-07	0.00E+00	5.29E-07	9.34E-08	1.26E-07	0.00E+00	2.20E-07
1042	441018.45	3768248.73	0.000001141	1.2847E-06	0.00E+00	2.43E-06	1.29E-06	1.87E-06	0.00E+00	3.15E-06	2.16E-07	3.18E-07	0.00E+00	5.34E-07	9.43E-08	1.28E-07	0.00E+00	2.22E-07
1043	441045.75	3768237.54	1.1607E-06	1.3068E-06	0.00E+00	2.47E-06	1.31E-06	1.90E-06	0.00E+00	3.21E-06	2.19E-07	3.24E-07	0.00E+00	5.43E-07	9.60E-08	1.30E-07	0.00E+00	2.26E-07
1044	441054.84	3768233.82	1.1631E-06	1.3095E-06	0.00E+00	2.47E-06	1.31E-06	1.90E-06	0.00E+00	3.21E-06	2.20E-07	3.25E-07	0.00E+00	5.44E-07	9.62E-08	1.30E-07	0.00E+00	2.26E-07
1045	441063.94	3768230.09	1.1632E-06	1.3096E-06	0.00E+00	2.47E-06	1.31E-06	1.90E-06	0.00E+00	3.21E-06	2.20E-07	3.25E-07	0.00E+00	5.44E-07	9.62E-08	1.30E-07	0.00E+00	2.26E-07
1046	441091.24	3768218.9	1.1487E-06	1.2933E-06	0.00E+00	2.44E-06	1.29E-06	1.88E-06	0.00E+00	3.17E-06	2.17E-07	3.21E-07	0.00E+00	5.38E-07	9.50E-08	1.28E-07	0.00E+00	2.23E-07
1047	441100.33	3768215.17	1.1399E-06	1.2834E-06	0.00E+00	2.42E-06	1.28E-06	1.87E-06	0.00E+00	3.15E-06	2.15E-07	3.18E-07	0.00E+00	5.34E-07	9.43E-08	1.27E-07	0.00E+00	2.22E-07
1048	441109.43	3768211.44	1.1304E-06	1.2727E-06	0.00E+00	2.40E-06	1.27E-06	1.85E-06	0.00E+00	3.12E-06	2.14E-07	3.15E-07	0.00E+00	5.29E-07	9.35E-08	1.26E-07	0.00E+00	2.20E-07
1049	441118.53	3768207.71	0.000001118	1.2587E-06	0.00E+00	2.38E-06	1.26E-06	1.83E-06	0.00E+00	3.09E-06	2.11E-07	3.12E-07	0.00E+00	5.23E-07	9.24E-08	1.25E-07	0.00E+00	2.17E-07
1050	441127.63	3768203.98	1.1057E-06	1.2448E-06	0.00E+00	2.35E-06	1.25E-06	1.81E-06	0.00E+00	3.06E-06	2.09E-07	3.08E-07	0.00E+00	5.18E-07	9.14E-08	1.24E-07	0.00E+00	2.15E-07
1051	441136.73	3768200.25	1.0944E-06	1.2322E-06	0.00E+00	2.33E-06	1.23E-06	1.79E-06	0.00E+00	3.02E-06	2.07E-07	3.05E-07	0.00E+00	5.12E-07	9.05E-08	1.22E-07	0.00E+00	2.13E-07
1052	441145.82	3768196.53	1.0841E-06	1.2205E-06	0.00E+00	2.30E-06	1.22E-06	1.77E-06	0.00E+00	3.00E-06	2.05E-07	3.02E-07	0.00E+00	5.07E-07	8.96E-08	1.21E-07	0.00E+00	2.11E-07
1053	441154.92	3768192.8	1.0747E-06	1.2099E-06	0.00E+00	2.28E-06	1.21E-06	1.76E-06	0.00E+00	2.97E-06	2.03E-07	3.00E-07	0.00E+00	5.03E-07	8.89E-08	1.20E-07	0.00E+00	2.09E-07
1054	441164.02	3768189.07	0.000001065	1.1991E-06	0.00E+00	2.26E-06	1.20E-06	1.74E-06	0.00E+00	2.94E-06	2.01E-07	2.97E-07	0.00E+00	4.99E-07	8.81E-08	1.19E-07	0.00E+00	2.07E-07
1055	441173.12	3768185.34	1.0545E-06	1.1872E-06	0.00E+00	2.24E-06	1.19E-06	1.73E-06	0.00E+00	2.91E-06	1.99E-07	2.94E-07	0.00E+00	4.94E-07	8.72E-08	1.18E-07	0.00E+00	2.05E-07
1056	441182.22	3768181.61	1.0422E-06	1.1734E-06	0.00E+00	2.22E-06	1.17E-06	1.71E-06	0.00E+00	2.88E-06	1.97E-07	2.91E-07	0.00E+00	4.88E-07	8.62E-08	1.16E-07	0.00E+00	2.03E-07
1057	441191.31	3768177.88	1.0266E-06	1.1558E-06	0.00E+00	2.18E-06	1.16E-06	1.68E-06	0.00E+00	2.84E-06	1.94E-07	2.86E-07	0.00E+00	4.81E-07	8.49E-08	1.15E-07	0.00E+00	2.00E-07
1058	441200.41	3768174.15	1.0103E-06	1.1375E-06	0.00E+00	2.15E-06	1.14E-06	1.65E-06	0.00E+00	2.79E-06	1.91E-07	2.82E-07	0.00E+00	4.73E-07	8.35E-08	1.13E-07	0.00E+00	1.96E-07
1059	441209.51	3768170.42	9.9355E-07	1.1186E-06	0.00E+00	2.11E-06	1.12E-06	1.63E-06	0.00E+00	2.75E-06	1.88E-07	2.77E-07	0.00E+00	4.65E-07	8.22E-08	1.11E-07	0.00E+00	1.93E-07
1060	441218.61	3768166.69	9.7365E-07	1.0962E-06	0.00E+00	2.07E-06	1.10E-06	1.59E-06	0.00E+00	2.69E-06	1.84E-07	2.72E-07	0.00E+00	4.56E-07	8.05E-08	1.09E-07	0.00E+00	1.89E-07
1061	441227.71	3768162.97	9.5238E-07	1.0722E-06	0.00E+00	2.02E-06	1.07E-06	1.56E-06	0.00E+00	2.63E-06	1.80E-07	2.66E-07	0.00E+00	4.46E-07	7.87E-08	1.06E-07	0.00E+00	1.85E-07
1062	440917.49	3768250.21	9.2759E-07	1.0443E-06	0.00E+00	1.97E-06	1.05E-06	1.52E-06	0.00E+00	2.56E-06	1.75E-07	2.59E-07	0.00E+00	4.34E-07	7.67E-08	1.04E-07	0.00E+00	1.80E-07
1063	440926.61	3768246.47	9.3981E-07	1.0581E-06	0.00E+00	2.00E-06	1.06E-06	1.54E-06	0.00E+00	2.60E-06	1.78E-07	2.62E-07	0.00E+00	4.40E-07	7.77E-08	1.05E-07	0.00E+00	1.83E-07
1064	440935.74	3768242.73	9.5101E-07	1.0707E-06	0.00E+00	2.02E-06	1.07E-06	1.56E-06	0.00E+00	2.63E-06	1.80E-07	2.65E-07	0.00E+00	4.45E-07	7.86E-08	1.06E-07	0.00E+00	1.85E-07
1065	440972.26	3768227.76	9.8705E-07	1.1113E-06	0.00E+00	2.10E-06	1.11E-06	1.62E-06	0.00E+00	2.73E-06	1.87E-07	2.75E-07	0.00E+00	4.62E-07	8.16E-08	1.10E-07	0.00E+00	1.92E-07
1066	440981.39	3768224.02	9.9769E-07	1.1233E-06	0.00E+00	2.12E-06	1.12E-06	1.63E-06	0.00E+00	2.76E-06	1.89E-07	2.78E-07	0.00E+00	4.67E-07	8.25E-08	1.12E-07	0.00E+00	1.94E-07
1067	440990.51	3768220.28	1.0077E-06	1.1345E-06	0.00E+00	2.14E-06	1.14E-06	1.65E-06	0.00E+00	2.79E-06	1.91E-07	2.81E-07	0.00E+00	4.72E-07	8.33E-08	1.13E-07	0.00E+00	1.96E-07
1068	441017.9	3768209.06	1.0327E-06	1.1627E-06	0.00E+00	2.20E-06	1.16E-06	1.69E-06	0.00E+00	2.85E-06	1.95E-07	2.88E-07	0.00E+00	4.83E-07	8.54E-08	1.15E-07	0.00E+00	2.01E-07
1069	441027.03	3768205.31	0.000001038	1.1687E-06	0.00E+00	2.21E-06	1.17E-06	1.70E-06	0.00E+00	2.87E-06	1.96E-07	2.90E-07	0.00E+00	4.86E-07	8.58E-08	1.16E-07	0.00E+00	2.02E-07
1070	441036.16	3768201.57	1.0404E-06	1.1713E-06	0.00E+00	2.21E-06	1.17E-06	1.70E-06	0.00E+00	2.88E-06	1.97E-07	2.90E-07	0.00E+00	4.87E-07	8.60E-08	1.16E-07	0.00E+00	2.02E-07
1071	441063.54	3768190.35	1.0341E-06	1.1643E-06	0.00E+00	2.20E-06	1.17E-06	1.69E-06	0.00E+00	2.86E-06	1.95E-07	2.89E-07	0.00E+00	4.84E-07	8.55E-08	1.16E-07	0.00E+00	2.01E-07
1072	441072.67	3768186.61	1.0251E-06	1.1541E-06	0.00E+00	2.18E-06	1.16E-06	1.68E-06	0.00E+00	2.83E-06	1.94E-07	2.86E-07	0.00E+00	4.80E-07	8.48E-08	1.15E-07	0.00E+00	1.99E-07
1073	441081.8	3768182.87	1.0137E-06	1.1413E-06	0.00E+00	2.16E-06	1.14E-06	1.66E-06	0.00E+00	2.80E-06	1.92E-07	2.83E-07	0.00E+00	4.74E-07	8.38E-08	1.13E-07	0.00E+00	1.97E-07
1074	441090.93	3768179.12	1.0003E-06	1.1262E-06	0.00E+00	2.13E-06	1.13E-06	1.64E-06	0.00E+00	2.76E-06	1.89E-07	2.79E-07	0.00E+00	4.68E-07	8.27E-08	1.12E-07	0.00E+00	1.95E-07
1075	441100.06	3768175.38	0.000000989	1.1135E-06	0.00E+00	2.10E-06	1.11E-06	1.62E-06	0.00E+00	2.73E-06	1.87E-07	2.76E-07	0.00E+00	4.63E-07	8.18E-08	1.11E-07	0.00E+00	1.92E-07
1076	441109.18	3768171.64	9.7694E-07	1.0999E-06	0.00E+00	2.08E-06	1.10E-06	1.60E-06	0.00E+00	2.70E-06	1.85E-07	2.73E-07	0.00E+00	4.57E-07	8.08E-08	1.09E-07	0.00E+00	1.90E-07
1077	441118.31	3768167.9	9.6433E-07	1.0857E-06	0.00E+00	2.05E-06	1.09E-06	1.58E-06	0.00E+00	2.67E-06	1.82E-07	2.69E-07	0.00E+00	4.51E-07	7.97E-08	1.08E-07	0.00E+00	1.88E-07
1078	441127.44	3768164.16	9.5866E-07	1.0793E-06	0.00E+00	2.04E-06	1.08E-06	1.57E-06	0.00E+00	2.65E-06	1.81E-07	2.67E-07	0.00E+00	4.49E-07	7.93E-08	1.07E-07	0.00E+00	1.86E-07
1079	441136.57	3768160.42	9.5439E-07	1.0745E-06	0.00E+00	2.03E-06	1.08E-06	1.56E-06	0.00E+00	2.64E-06	1.80E-07	2.66E-07	0.00E+00	4.47E-07	7.89E-08	1.07E-07	0.00E+00	1.86E-07
1080	441145.7	3768156.68	9.4966E-07	1.0692E-06	0.00E+00	2.02E-06	1.07E-06	1.55E-06	0.00E+00	2.62E-06	1.80E-07	2.65E-07	0.00E+00	4.45E-07	7.85E-08	1.06E-07	0.00E+00	1.85E-07
1081	441154.83	3768152.93	9.4339E-07	1.0621E-06	0.00E+00	2.01E-06	1.06E-06	1.54E-06	0.00E+00	2.61E-06	1.78E-07	2.63E-07	0.00E+00	4.42E-07	7.80E-08	1.05E-07	0.00E+00	1.83E-07
1082	441163.95	3768149.19	9.3569E-07	1.0535E-06	0.00E+00	1.99E-06	1.05E-06	1.53E-06	0.00E+00	2.59E-06	1.77E-07	2.61E-07	0.00E+00	4.38E-07	7.74E-08	1.05E-07	0.00E+00	1.82E-07
1083	441173.08	3768145.45	9.2643E-07	0.000001043	0.00E+00	1.97E-06	1.04E-06	1.52E-06	0.00E+00	2.56E-06	1.75E-07	2.58E-07	0.00E+00	4.34E-07	7.66E-08	1.04E-07	0.00E+00	1.80E-07
1084	441182.21	3768141.71	9.1487E-07	0.00000103	0.00E+00	1.94E-06	1.03E-06	1.50E-06	0.00E+00	2.53E-06	1.73E-07	2.55E-07	0.00E+00	4.28E-07	7.56E-08	1.02E-07	0.00E+00	1.78E-07
1085	441191.34	3768137.97	9.0017E-07	1.0135E-06	0.00E+00	1.91E-06	1.01E-06	1.47E-06	0.00E+00	2.49E-06	1.70E-07	2.51E-07	0.00E+00	4.21E-07	7.44E-08	1.01E-07	0.00E+00	1.75E-07
1086	441200.47	3768134.23	8.8493E-07	9.9631E-07	0.00E+00	1.88E-06	9.98E-07	1.45E-06	0.00E+00	2.45E-06	1.67E-07	2.47E-07	0.00E+00	4.14E-07	7.32E-08	9.89E-08	0.00E+00	1.72E-07
1087	441209.6	3768130.49	8.692E-07	9.786E-07	0.00E+00	1.85E-06	9.80E-07	1.42E-06	0.00E+00	2.40E-06	1.64E-07	2.43E-07	0.00E+00	4.07E-07	7.19E-08	9.72E-08	0.00E+00	1.69E-07
1088	441218.73	3768126.74	8.4855E-07	9.5535E-07	0.00E+00	1.80E-06	9.56E-07	1.39E-06	0.00E+00	2.35E-06	1.60E-07	2.37E-07	0.00E+00	3.97E-07	7.02E-08	9.48E-08	0.00E+00	1.65E-07
1089	440889.3	3768221.86	8.3338E-07	9.3828E-07	0.00E+00	1.77E-06	9.39E-07	1.36E-06	0.00E+00	2.30E-06	1.58E-07	2.33E-07	0.00E+00	3.90E-07	6.89E-08	9.31E-08	0.00E+00	1.62E-07
1090	440898.45	3768218.11	8.4308E-07	9.4919E-07	0.00E+00	1.79E-06	9.50E-07	1.38E-06	0.00E+00	2.33E-06	1.59E-07	2.35E-07	0.00E+00	3.95E-07	6.97E-08	9.42E-08	0.00E+00	1.64E-07
1091	440907.6	3768214.36	8.5219E-07	9.5945E-07	0.00E+00	1.81E-06	9.61E-07	1.39E-06	0.00E+00	2.36E-06	1.61E-07	2.38E-07	0.00E+00	3.99E-07	7.05E-08	9.52E-08	0.00E+00	1.66E-07
1092	440944.22	3768199.35	8.7771E-07	9.8817E-07	0.00E+00	1.87E-06	9.89E-07	1.44E-06	0.00E+00	2.43E-06	1.66E-07	2.45E-07	0.00E+00	4.11E-07	7.26E-08	9.81E-08	0.00E+00	1.71E-07
1093	440953.38	3768195.6	8.8564E-07	9.9711E-07	0.00E+00	1.88E-06	9.98E-07	1.45E-06	0.00E+00	2.45E-06	1.67E-07	2.47E-07	0.00E+00	4.15E-07	7.32E-08	9.90E-08	0.00E+00	1.72E-07
1094	440962.53	3768191.85	8.9323E-07	1.0057E-06	0.00E+00	1.90E-06	1.01E-06	1.46E-06	0.00E+00	2.47E-06	1.69E-07	2.49E-07	0.00E+00	4.18E-07	7.39E-08	9.98E-08	0.00E+00	1.74E-07
1095	440990	3768180.59	9.1351E-07	1.0285E-06	0.00E+00	1.94E-06	1.03E-06	1.50E-06	0.00E+00	2.52E-06	1.73E-07	2.55E-07	0.00E+00	4.28E-07	7.55E-08	1.02E-07	0.00E+00	1.78E-07
1096	440999.15	3768176.84	9.1853E-07	1.0341E-06	0.00E+00	1.95E-06	1.04E-06	1.50E-06	0.00E+00	2.54E-06	1.74E-07	2.56E-07	0.00E+00	4.30E-07	7.59E-08	1.03E-07	0.00E+00	1.79E-07
1097	441008.31	3768173.09	9.2338E-07	1.0396E-06	0.00E+00	1.96E-06	1.04E-06	1.51E-06	0.00E+00	2.55E-06	1.75E-07	2.58E-07	0.00E+00	4.32E-07	7.64E-08	1.03E-07	0.00E+00	1.80E-07
1098	441035.77	3768161.83	9.2576E-07	1.0423E-06	0.00E+00	1.97E-06	1.04E-06	1.52E-06	0.00E+00	2.56E-06	1.75E-07	2.58E-07	0.00E+00	4.33E-07	7.65E-08	1.03E-07	0.00E+00	1.80E-07
1099	441044.92	3768158.08	9.2063E-07	1.0365E-06	0.00E+00	1.96E-06	1.04E-06	1.51E-06	0.00E+00	2.54E-06	1.74E-07	2.57E-07	0.00E+00	4.31E-07	7.61E-08	1.03E-07	0.00E+00	1.79E-07
1100	441054.08	3768154.33	9.1408E-07	1.0291E-06	0.00E+00	1.94E-06	1.03E-06	1.50E-06	0.00E+00	2.53E-06	1.73E-07	2.55E-07	0.00E+00	4.28E-07	7.56E-08	1.02E-07	0.00E+00	1.78E-07
1101	441063.23	3768150.57	9.0473E-07	1.0186E-06	0.00E+00	1.92E-06	1.02E-06	1.48E-06	0.00E+00	2.50E-06	1.71E-07	2.52E-07	0.00E+00	4.23E-07	7.48E-08	1.01E-07	0.00E+00	1.76E-07
1102	441072.39	3768146.82	8.9513E-07	1.0078E-06	0.00E+00	1.90E-06	1.01E-06	1.46E-06	0.00E+00	2.47E-06	1.69E-07	2.50E-07	0.00E+00	4.19E-07	7.40E-08	1.00E-07	0.00E+00	1.74E-07
1103	441081.54	3768143.07	8.855E-07	9.9695E-07	0.00E+00	1.88E-06	9.98E-07	1.45E-06	0.00E+00	2.45E-06	1.67E-07	2.47E-07	0.00E+00	4.14E-07	7.32E-08	9.90E-08	0.00E+00	1.72E-07
1104	441090.7	3768139.32	8.7576E-07	9.8599E-07	0.00E+00	1.86E-06	9.87E-07	1.43E-06	0.00E+00	2.42E-06	1.66E-07	2.44E-07	0.00E+00	4.10E-07	7.24E-08	9.79E-08	0.00E+00	1.70E-07

1105	441099.85	3768135.57	8.6977E-07	9.7925E-07	0.00E+00	1.85E-06	9.80E-07	1.42E-06	0.00E+00	2.40E-06	1.64E-07	2.43E-07	0.00E+00	4.07E-07	7.19E-08	9.72E-08	0.00E+00	1.69E-07
1106	441109.01	3768131.81	8.6295E-07	9.7156E-07	0.00E+00	1.83E-06	9.73E-07	1.41E-06	0.00E+00	2.39E-06	1.63E-07	2.41E-07	0.00E+00	4.04E-07	7.14E-08	9.65E-08	0.00E+00	1.68E-07
1107	441118.16	3768128.06	8.5536E-07	9.6302E-07	0.00E+00	1.82E-06	9.64E-07	1.40E-06	0.00E+00	2.36E-06	1.62E-07	2.39E-07	0.00E+00	4.00E-07	7.07E-08	9.56E-08	0.00E+00	1.66E-07
1108	441127.31	3768124.31	8.5137E-07	9.5853E-07	0.00E+00	1.81E-06	9.60E-07	1.39E-06	0.00E+00	2.35E-06	1.61E-07	2.38E-07	0.00E+00	3.98E-07	7.04E-08	9.52E-08	0.00E+00	1.66E-07
1109	441136.47	3768120.56	8.4666E-07	9.5322E-07	0.00E+00	1.80E-06	9.54E-07	1.39E-06	0.00E+00	2.34E-06	1.60E-07	2.36E-07	0.00E+00	3.96E-07	7.00E-08	9.46E-08	0.00E+00	1.65E-07
1110	441145.62	3768116.81	8.4008E-07	9.4581E-07	0.00E+00	1.79E-06	9.47E-07	1.37E-06	0.00E+00	2.32E-06	1.59E-07	2.34E-07	0.00E+00	3.93E-07	6.95E-08	9.39E-08	0.00E+00	1.63E-07
1111	441154.78	3768113.05	8.3202E-07	9.3674E-07	0.00E+00	1.77E-06	9.38E-07	1.36E-06	0.00E+00	2.30E-06	1.57E-07	2.32E-07	0.00E+00	3.89E-07	6.88E-08	9.30E-08	0.00E+00	1.62E-07
1112	441163.93	3768109.3	8.2286E-07	9.2643E-07	0.00E+00	1.75E-06	9.28E-07	1.35E-06	0.00E+00	2.27E-06	1.56E-07	2.30E-07	0.00E+00	3.85E-07	6.80E-08	9.20E-08	0.00E+00	1.60E-07
1113	441173.09	3768105.55	8.1262E-07	9.149E-07	0.00E+00	1.73E-06	9.16E-07	1.33E-06	0.00E+00	2.25E-06	1.54E-07	2.27E-07	0.00E+00	3.80E-07	6.72E-08	9.08E-08	0.00E+00	1.58E-07
1114	441182.24	3768101.8	8.0108E-07	9.0191E-07	0.00E+00	1.70E-06	9.03E-07	1.31E-06	0.00E+00	2.21E-06	1.51E-07	2.24E-07	0.00E+00	3.75E-07	6.62E-08	8.95E-08	0.00E+00	1.56E-07
1115	441191.4	3768098.04	7.8785E-07	8.8701E-07	0.00E+00	1.67E-06	8.88E-07	1.29E-06	0.00E+00	2.18E-06	1.49E-07	2.20E-07	0.00E+00	3.69E-07	6.51E-08	8.81E-08	0.00E+00	1.53E-07
1116	441200.55	3768094.29	7.7429E-07	8.7175E-07	0.00E+00	1.65E-06	8.73E-07	1.27E-06	0.00E+00	2.14E-06	1.46E-07	2.16E-07	0.00E+00	3.62E-07	6.40E-08	8.65E-08	0.00E+00	1.51E-07
1117	441209.71	3768090.54	7.6043E-07	8.5614E-07	0.00E+00	1.62E-06	8.57E-07	1.24E-06	0.00E+00	2.10E-06	1.44E-07	2.12E-07	0.00E+00	3.56E-07	6.29E-08	8.50E-08	0.00E+00	1.48E-07
1118	441246.32	3768075.53	6.9397E-07	7.8132E-07	0.00E+00	1.48E-06	7.82E-07	1.14E-06	0.00E+00	1.92E-06	1.31E-07	1.94E-07	0.00E+00	3.25E-07	5.74E-08	7.76E-08	0.00E+00	1.35E-07
1119	440870.28	3768189.76	7.6252E-07	8.5849E-07	0.00E+00	1.62E-06	8.60E-07	1.25E-06	0.00E+00	2.11E-06	1.44E-07	2.13E-07	0.00E+00	3.57E-07	6.30E-08	8.52E-08	0.00E+00	1.48E-07
1120	440879.45	3768186	7.6821E-07	8.649E-07	0.00E+00	1.63E-06	8.66E-07	1.26E-06	0.00E+00	2.12E-06	1.45E-07	2.14E-07	0.00E+00	3.60E-07	6.35E-08	8.59E-08	0.00E+00	1.49E-07
1121	440916.16	3768170.95	7.905E-07	8.8999E-07	0.00E+00	1.68E-06	8.91E-07	1.29E-06	0.00E+00	2.18E-06	1.49E-07	2.21E-07	0.00E+00	3.70E-07	6.54E-08	8.84E-08	0.00E+00	1.54E-07
1122	440925.34	3768167.19	7.9661E-07	8.9687E-07	0.00E+00	1.69E-06	8.98E-07	1.30E-06	0.00E+00	2.20E-06	1.51E-07	2.22E-07	0.00E+00	3.73E-07	6.59E-08	8.90E-08	0.00E+00	1.55E-07
1123	440934.52	3768163.43	8.0248E-07	9.0348E-07	0.00E+00	1.71E-06	9.05E-07	1.31E-06	0.00E+00	2.22E-06	1.52E-07	2.24E-07	0.00E+00	3.76E-07	6.64E-08	8.97E-08	0.00E+00	1.56E-07
1124	440962.05	3768152.14	8.2214E-07	9.2561E-07	0.00E+00	1.75E-06	9.27E-07	1.35E-06	0.00E+00	2.27E-06	1.55E-07	2.29E-07	0.00E+00	3.85E-07	6.80E-08	9.19E-08	0.00E+00	1.60E-07
1125	440971.22	3768148.38	8.2796E-07	9.3217E-07	0.00E+00	1.76E-06	9.33E-07	1.36E-06	0.00E+00	2.29E-06	1.57E-07	2.31E-07	0.00E+00	3.88E-07	6.85E-08	9.25E-08	0.00E+00	1.61E-07
1126	440980.4	3768144.62	8.3212E-07	9.3686E-07	0.00E+00	1.77E-06	9.38E-07	1.36E-06	0.00E+00	2.30E-06	1.57E-07	2.32E-07	0.00E+00	3.89E-07	6.88E-08	9.30E-08	0.00E+00	1.62E-07
1127	441007.93	3768133.34	8.3717E-07	9.4254E-07	0.00E+00	1.78E-06	9.44E-07	1.37E-06	0.00E+00	2.31E-06	1.58E-07	2.34E-07	0.00E+00	3.92E-07	6.92E-08	9.36E-08	0.00E+00	1.63E-07
1128	441017.11	3768129.58	8.3568E-07	9.4086E-07	0.00E+00	1.78E-06	9.42E-07	1.37E-06	0.00E+00	2.31E-06	1.58E-07	2.33E-07	0.00E+00	3.91E-07	6.91E-08	9.34E-08	0.00E+00	1.63E-07
1129	441026.29	3768125.81	8.3272E-07	9.3753E-07	0.00E+00	1.77E-06	9.39E-07	1.36E-06	0.00E+00	2.30E-06	1.57E-07	2.32E-07	0.00E+00	3.90E-07	6.89E-08	9.31E-08	0.00E+00	1.62E-07
1130	441035.46	3768122.05	8.2971E-07	9.3414E-07	0.00E+00	1.76E-06	9.35E-07	1.36E-06	0.00E+00	2.29E-06	1.57E-07	2.32E-07	0.00E+00	3.88E-07	6.86E-08	9.27E-08	0.00E+00	1.61E-07
1131	441044.64	3768118.29	8.2713E-07	9.3124E-07	0.00E+00	1.76E-06	9.32E-07	1.35E-06	0.00E+00	2.29E-06	1.56E-07	2.31E-07	0.00E+00	3.87E-07	6.84E-08	9.24E-08	0.00E+00	1.61E-07
1132	441053.82	3768114.53	8.2359E-07	9.2725E-07	0.00E+00	1.75E-06	9.28E-07	1.35E-06	0.00E+00	2.28E-06	1.56E-07	2.30E-07	0.00E+00	3.85E-07	6.81E-08	9.21E-08	0.00E+00	1.60E-07
1133	441063	3768110.77	8.1815E-07	9.2113E-07	0.00E+00	1.74E-06	9.22E-07	1.34E-06	0.00E+00	2.26E-06	1.55E-07	2.28E-07	0.00E+00	3.83E-07	6.76E-08	9.14E-08	0.00E+00	1.59E-07
1134	441072.17	3768107.01	8.1096E-07	9.1303E-07	0.00E+00	1.72E-06	9.14E-07	1.33E-06	0.00E+00	2.24E-06	1.53E-07	2.26E-07	0.00E+00	3.80E-07	6.71E-08	9.06E-08	0.00E+00	1.58E-07
1135	441081.35	3768103.25	8.0409E-07	9.053E-07	0.00E+00	1.71E-06	9.06E-07	1.32E-06	0.00E+00	2.22E-06	1.52E-07	2.24E-07	0.00E+00	3.76E-07	6.65E-08	8.99E-08	0.00E+00	1.56E-07
1136	441090.53	3768099.49	7.9756E-07	8.9795E-07	0.00E+00	1.70E-06	8.99E-07	1.31E-06	0.00E+00	2.20E-06	1.51E-07	2.23E-07	0.00E+00	3.73E-07	6.59E-08	8.91E-08	0.00E+00	1.55E-07
1137	441099.7	3768095.72	7.9074E-07	8.9027E-07	0.00E+00	1.68E-06	8.91E-07	1.29E-06	0.00E+00	2.19E-06	1.49E-07	2.21E-07	0.00E+00	3.70E-07	6.54E-08	8.84E-08	0.00E+00	1.54E-07
1138	441108.88	3768091.96	7.8331E-07	8.819E-07	0.00E+00	1.67E-06	8.83E-07	1.28E-06	0.00E+00	2.16E-06	1.48E-07	2.19E-07	0.00E+00	3.67E-07	6.48E-08	8.76E-08	0.00E+00	1.52E-07
1139	441118.06	3768088.2	7.7453E-07	8.7201E-07	0.00E+00	1.65E-06	8.73E-07	1.27E-06	0.00E+00	2.14E-06	1.46E-07	2.16E-07	0.00E+00	3.63E-07	6.40E-08	8.66E-08	0.00E+00	1.51E-07
1140	441127.24	3768084.44	7.6556E-07	8.6192E-07	0.00E+00	1.63E-06	8.63E-07	1.25E-06	0.00E+00	2.12E-06	1.45E-07	2.14E-07	0.00E+00	3.58E-07	6.33E-08	8.56E-08	0.00E+00	1.49E-07
1141	441136.41	3768080.68	7.5667E-07	8.519E-07	0.00E+00	1.61E-06	8.53E-07	1.24E-06	0.00E+00	2.09E-06	1.43E-07	2.11E-07	0.00E+00	3.54E-07	6.26E-08	8.46E-08	0.00E+00	1.47E-07
1142	441145.59	3768076.92	7.4753E-07	8.4162E-07	0.00E+00	1.59E-06	8.43E-07	1.22E-06	0.00E+00	2.07E-06	1.41E-07	2.09E-07	0.00E+00	3.50E-07	6.18E-08	8.36E-08	0.00E+00	1.45E-07
1143	441154.77	3768073.16	7.3813E-07	8.3103E-07	0.00E+00	1.57E-06	8.32E-07	1.21E-06	0.00E+00	2.04E-06	1.40E-07	2.06E-07	0.00E+00	3.45E-07	6.10E-08	8.25E-08	0.00E+00	1.44E-07
1144	441163.94	3768069.39	7.2803E-07	8.1966E-07	0.00E+00	1.55E-06	8.21E-07	1.19E-06	0.00E+00	2.01E-06	1.38E-07	2.03E-07	0.00E+00	3.41E-07	6.02E-08	8.14E-08	0.00E+00	1.42E-07
1145	441173.12	3768065.63	7.173E-07	8.0758E-07	0.00E+00	1.52E-06	8.09E-07	1.17E-06	0.00E+00	1.98E-06	1.36E-07	2.00E-07	0.00E+00	3.36E-07	5.93E-08	8.02E-08	0.00E+00	1.39E-07
1146	441182.3	3768061.87	7.0595E-07	7.948E-07	0.00E+00	1.50E-06	7.96E-07	1.16E-06	0.00E+00	1.95E-06	1.33E-07	1.97E-07	0.00E+00	3.30E-07	5.84E-08	7.89E-08	0.00E+00	1.37E-07
1147	441191.48	3768058.11	6.9405E-07	7.8141E-07	0.00E+00	1.48E-06	7.82E-07	1.14E-06	0.00E+00	1.92E-06	1.31E-07	1.94E-07	0.00E+00	3.25E-07	5.74E-08	7.76E-08	0.00E+00	1.35E-07
1148	440842.09	3768161.41	6.9954E-07	7.8759E-07	0.00E+00	1.49E-06	7.89E-07	1.14E-06	0.00E+00	1.93E-06	1.32E-07	1.95E-07	0.00E+00	3.27E-07	5.78E-08	7.82E-08	0.00E+00	1.36E-07
1149	440851.29	3768157.64	7.0573E-07	7.9456E-07	0.00E+00	1.50E-06	7.96E-07	1.15E-06	0.00E+00	1.95E-06	1.33E-07	1.97E-07	0.00E+00	3.30E-07	5.84E-08	7.89E-08	0.00E+00	1.37E-07
1150	440888.08	3768142.56	7.253E-07	8.1659E-07	0.00E+00	1.54E-06	8.18E-07	1.19E-06	0.00E+00	2.00E-06	1.37E-07	2.02E-07	0.00E+00	3.39E-07	6.00E-08	8.11E-08	0.00E+00	1.41E-07
1151	440897.27	3768138.79	7.3111E-07	8.2313E-07	0.00E+00	1.55E-06	8.24E-07	1.20E-06	0.00E+00	2.02E-06	1.38E-07	2.04E-07	0.00E+00	3.42E-07	6.05E-08	8.17E-08	0.00E+00	1.42E-07
1152	440906.47	3768135.02	7.3671E-07	8.2943E-07	0.00E+00	1.57E-06	8.30E-07	1.21E-06	0.00E+00	2.04E-06	1.39E-07	2.06E-07	0.00E+00	3.45E-07	6.09E-08	8.23E-08	0.00E+00	1.43E-07
1153	440934.06	3768123.71	7.556E-07	8.5071E-07	0.00E+00	1.61E-06	8.52E-07	1.24E-06	0.00E+00	2.09E-06	1.43E-07	2.11E-07	0.00E+00	3.54E-07	6.25E-08	8.45E-08	0.00E+00	1.47E-07
1154	440943.26	3768119.94	7.6087E-07	8.5664E-07	0.00E+00	1.62E-06	8.58E-07	1.25E-06	0.00E+00	2.10E-06	1.44E-07	2.12E-07	0.00E+00	3.56E-07	6.29E-08	8.50E-08	0.00E+00	1.48E-07
1155	440952.46	3768116.17	7.6482E-07	8.6108E-07	0.00E+00	1.63E-06	8.62E-07	1.25E-06	0.00E+00	2.11E-06	1.45E-07	2.13E-07	0.00E+00	3.58E-07	6.32E-08	8.55E-08	0.00E+00	1.49E-07
1156	440980.05	3768104.87	7.7024E-07	8.6718E-07	0.00E+00	1.64E-06	8.68E-07	1.26E-06	0.00E+00	2.13E-06	1.46E-07	2.15E-07	0.00E+00	3.61E-07	6.37E-08	8.61E-08	0.00E+00	1.50E-07
1157	440989.24	3768101.1	7.701E-07	8.6703E-07	0.00E+00	1.64E-06	8.68E-07	1.26E-06	0.00E+00	2.13E-06	1.46E-07	2.15E-07	0.00E+00	3.60E-07	6.37E-08	8.61E-08	0.00E+00	1.50E-07
1158	440998.44	3768097.33	7.693E-07	8.6612E-07	0.00E+00	1.64E-06	8.67E-07	1.26E-06	0.00E+00	2.13E-06	1.45E-07	2.15E-07	0.00E+00	3.60E-07	6.36E-08	8.60E-08	0.00E+00	1.50E-07
1159	441007.64	3768093.56	7.6608E-07	8.625E-07	0.00E+00	1.63E-06	8.64E-07	1.25E-06	0.00E+00	2.12E-06	1.45E-07	2.14E-07	0.00E+00	3.59E-07	6.33E-08	8.56E-08	0.00E+00	1.49E-07
1160	441016.83	3768089.79	7.6153E-07	8.5738E-07	0.00E+00	1.62E-06	8.58E-07	1.25E-06	0.00E+00	2.10E-06	1.44E-07	2.12E-07	0.00E+00	3.56E-07	6.30E-08	8.51E-08	0.00E+00	1.48E-07
1161	441026.03	3768086.02	7.5552E-07	8.5061E-07	0.00E+00	1.61E-06	8.52E-07	1.24E-06	0.00E+00	2.09E-06	1.43E-07	2.11E-07	0.00E+00	3.54E-07	6.25E-08	8.44E-08	0.00E+00	1.47E-07
1162	441035.23	3768082.25	7.4984E-07	8.4421E-07	0.00E+00	1.59E-06	8.45E-07	1.23E-06	0.00E+00	2.07E-06	1.42E-07	2.09E-07	0.00E+00	3.51E-07	6.20E-08	8.38E-08	0.00E+00	1.46E-07
1163	441044.43	3768078.48	7.4421E-07	8.3788E-07	0.00E+00	1.58E-06	8.39E-07	1.22E-06	0.00E+00	2.06E-06	1.41E-07	2.08E-07	0.00E+00	3.48E-07	6.15E-08	8.32E-08	0.00E+00	1.45E-07
1164	441053.62	3768074.71	7.3769E-07	8.3054E-07	0.00E+00	1.57E-06	8.32E-07	1.21E-06	0.00E+00	2.04E-06	1.39E-07	2.06E-07	0.00E+00	3.45E-07	6.10E-08	8.25E-08	0.00E+00	1.43E-07
1165	441062.82	3768070.94	7.3086E-07	8.2285E-07	0.00E+00	1.55E-06	8.24E-07	1.20E-06	0.00E+00	2.02E-06	1.38E-07	2.04E-07	0.00E+00	3.42E-07	6.04E-08	8.17E-08	0.00E+00	1.42E-07
1166	441072.02	3768067.17	7.2483E-07	8.1606E-07	0.00E+00	1.54E-06	8.17E-07	1.19E-06	0.00E+00	2.00E-06	1.37E-07	2.02E-07	0.00E+00	3.39E-07	5.99E-08	8.10E-08	0.00E+00	1.41E-07
1167	441081.21	3768063.4	7.182E-07	8.086E-07	0.00E+00	1.53E-06	8.10E-07	1.18E-06	0.00E+00	1.98E-06	1.36E-07	2.00E-07	0.00E+00	3.36E-07	5.94E-08	8.03E-08	0.00E+00	1.40E-07
1168	441090.41	3768059.63	7.1112E-07	8.0062E-07	0.00E+00	1.51E-06	8.02E-07	1.16E-06	0.00E+00	1.97E-06	1.34E-07	1.98E-07	0.00E+00	3.33E-07	5.88E-08	7.95E-08	0.00E+00	1.38E-07
1169	441145.59	3768037.01	6.6508E-07	7.4879E-07	0.00E+00	1.41E-06	7.50E-07	1.09E-06	0.00E+00	1.84E-06	1.26E-07	1.86E-07	0.00E+00	3.11E-07	5.50E-08	7.43E-08	0.00E+00	1.29E-07
1170	441154.79	3768033.25	6.5607E-07	7.3864E-07	0.00E+00	1.39E-06	7.40E-07	1.07E-06	0.00E+00	1.81E-06	1.24E-07	1.83E-07	0.00E+00	3.07E-07	5.42E-08	7.33E-08	0.00E+00	1.28E-07
1171	441163.99	3768029.48	6.4619E-07	7.2752E-07	0.00E+00	1.37E-06	7.28E-07	1.06E-06	0.00E+00	1.79E-06	1.22E-07	1.80E-07	0.00E+00	3.02E-07	5.34E-08	7.22E-08	0.00E+00	1.26E-07
1172	441173.18	3768025.71	6.355E-07	7.1548E-07	0.00E+00	1.35E-06	7.16E-07	1.04E-06	0.00E+00	1.76E-06	1.20E-07	1.77E-07	0.00E+00	2.97E-07	5.25E-08	7.10E-08	0.00E+00	1.24E-07
1173	441182.38	3768021.94	6.2408E-07	7.0263E-07	0.00E+00	1.33E-06	7.03E-07	1.02E-06	0.00E+00	1.72E-06	1.18E-07	1.74E-07	0.00E+00	2.92E-07	5.16E-08	6.98E-08	0.00E+00	1.21E-07
1174	440823.12	3768129.28	6.4713E-07	7.2858E-07	0.00E+00	1.38E-06	7.29E-07	1.06E-06	0.00E+00	1.79E-06	1.22E-07	1.81E-07	0.00E+00	3.03E-07	5.35E-08	7.23E-08	0.00E+00	1.26E-07
1175	440859.97	3768114.18	6.7221E-07	7.5682E-07	0.00E+00	1.43E-06	7.58E-07	1.10E-06	0.00E+00	1.86E-06	1.27E-07	1.88E-07	0.00E+00	3.15E-07	5.56E-08	7.51E-08	0.00E+00	1.31E-07
1176	440869.19	3768110.4	6.7763E-07	7.6292E-07	0.00E+00	1.44E-06	7.64E-07	1.11E-06	0.00E+00	1.87E-06	1.28E-07	1.89E-07	0.00E+00	3.17E-07	5.60E-08	7.57E-08	0.00E+00	1.32E-07
1177	440878.4	3768106.62	6.8288E-07	7.6882E-07	0.00E+00	1.45E-06	7.70E-07	1.12E-06	0.00E+00	1.89E-06	1.29E-07	1.91E-07	0.00E+00	3.20E-07	5.65E-08	7.63E-08	0.00E+00	1.33E-07
1178	440906.05	3768095.29	6.9728E-07	7.8504E-07	0.00E+00	1.48E-06	7.86E-07	1.14E-06	0.00E+00	1.93E-06	1.32E-07	1.95E-07	0.00E+00	3.26E-07	5.77E-08	7.79E-08	0.00E+00	1.36E-07
1179	440915.26	3768091.52	7.0154E-07	7.8984E-07	0.00E+00	1.49E-06	7.91E-07	1.15E-06	0.00E+00	1.94E-06	1.33E-07	1.96E-07	0.00E+00	3.28E-07	5.80E-08	7.84E-08	0.00E+00	1.36E-07
1180	440924.48	3768087.74	7.0489E-07	7.9361E-07	0.00E+00	1.50E-06	7.95E-07	1.15E-06	0.00E+00	1.95E-06	1.33E-07	1.97E-07	0.00E+00	3.30E-07	5.83E-08	7.88E-08	0.00E+00	1.37E-07
1181	440952.12	3768076.41	7.0945E-07	7.9875E-07	0.00E+00	1.51E-06	8.00E-07	1.16E-06	0.00E+00	1.96E-06	1.34E-07	1.98E-07	0.00E+00	3.32E-07	5.87E-08	7.93E-08	0.00E+00	1.38E-07
1182	440961.33	3768072.63	7.0933E-07	7.986E-07	0.00E+00	1.51E-06	8.00E-07	1.16E-06	0.00E+00	1.96E-06	1.34E-07	1.98E-07	0.00E+00	3.32E-07	5.87E-08	7.93E-08	0.00E+00	1.38E-07
1183	440970.55	3768068.86	7.0865E-07	7.9784E-07	0.00E+00	1.51E-06	7.99E-07	1.16E-06	0.00E+00	1.96E-06	1.34E-07	1.98E-07	0.00E+00	3.32E-07	5.86E-08	7.92E-08	0.00E+00	1.38E-07
1184	440979.76	3768065.08	7.0737E-07	7.964E-07	0.00E+00	1.50E-06	7.97E-07	1.16E-06	0.00E+00	1.96E-06	1.34E-07	1.97E-07	0.00E+00	3.31E-07	5.85E-08	7.91E-08	0.00E+00	1.38E-07
1185	440988.98	3768061.3	7.0553E-07	7.9433E-07	0.00E+00	1.50E-06	7.95E-07	1.15E-06	0.00E+00	1.95E-06	1.33E-07	1.97E-07	0.00E+00	3.30E-07	5.83E-08	7.89E-08	0.00E+00	1.37E-07
1186	441044.26	3768038.64	6.689E-07	7.5309E-07	0.00E+00	1.42E-06	7.54E-07	1.09E-06	0.00E+00	1.85E-06	1.26E-07	1.87E-07	0.00E+00	3.13E-07	5.53E-08	7.48E-08	0.00E+00	1.30E-07
1187	441053.48	3768034.87	6.6181E-07	7.4511E-07	0.00E+00	1.41E-06	7.46E-07	1.08E-06	0.00E+00	1.83E-06	1.25E-07	1.85E-07	0.00E+00	3.10E-07	5.47E-08	7.40E-08	0.00E+00	1.29E-07
1188	441062.69	3768031.09	6.5458E-07	7.3697E-07	0.00E+00	1.39E-06	7.38E-07	1.07E-06	0.00E+00	1.81E-06	1.24E-07	1.83E-07	0.00E+00	3.06E-07	5.41E-08	7.32E-08	0.00E+00	1.27E-07
1189	441071.91	3768027.31	6.4823E-07	7.2982E-07	0.00E+00	1.38E-06	7.31E-07	1.06E-06	0.00E+00	1.79E-06	1.23E-07	1.81E-07	0.00E+00	3.03E-07	5.36E-08	7.25E-08	0.00E+00	1.26E-07
1190	441081.12	3768023.54	6.419E-07	7.227E-07	0.00E+00	1.36E-06	7.24E-07	1.05E-06	0.00E+00	1.77E-06	1.21E-07	1.79E-07	0.00E+00	3.00E-07	5.31E-08	7.17E-08	0.00E+00	1.25E-07
1191	441090.33	3768019.76	6.3552E-07	7.155E-07	0.00E+00	1.35E-06	7.16E-07	1.04E-06	0.00E+00	1.76E-06	1.20E-07	1.77E-07	0.00E+00	2.97E-07	5.25E-08	7.10E-08	0.00E+00	1.24E-07
1192	441099.55	3768015.98	6.3014E-07	7.0946E-07	0.00E+00	1.34E-06	7.10E-07	1.03E-06	0.00E+00	1.74E-06	1.19E-07	1.76E-07	0.00E+00	2.95E-07	5.21E-08	7.04E-08	0.00E+00	1.23E-07
1193	441108.76	3768012.21	6.2406E-07	7.0261E-07	0.00E+00	1.33E-06	7.03E-07	1.02E-06	0.00E+00	1.72E-06	1.18E-07	1.74E-07	0.00E+00	2.92E-07	5.16E-08	6.98E-08	0.00E+00	1.21E-07
1194	441117.98	3768008.43	6.1734E-07	6.9504E-07	0.00E+00	1.31E-06	6.96E-07	1.01E-06	0.00E+00	1.71E-06	1.17E-07	1.72E-07	0.00E+00	2.89E-07	5.10E-08	6.90E-08	0.00E+00	1.20E-07
1195	441127.19	3768004.65	6.0938E-07	6.8608E-07	0.00E+00	1.30E-06	6.87E-07	9.97E-07	0.00E+00	1.68E-06	1.15E-07	1.70E-07	0.00E+00	2.85E-07	5.04E-08	6.81E-08	0.00E+00	1.18E-07
1196	441136.41	3768000.88	6.0057E-07	6.7616E-07	0.00E+00	1.28E-06	6.77E-07	9.83E-07	0.00E+00	1.66E-06	1.14E-07	1.68E-07	0.00E+00	2.81E-07	4.97E-08	6.71E-08	0.00E+00	1.17E-07
1197	441145.62	3767997.1	5.9073E-07	6.6508E-07	0.00E+00	1.26E-06	6.66E-07	9.67E-07	0.00E+00	1.63E-06	1.12E-07	1.65E-07	0.00E+00	2.76E-07	4.88E-08	6.60E-08	0.00E+00	1.15E-07
1198	441154.83	3767993.32	5.8046E-07	6.5351E-07	0.00E+00	1.23E-06	6.54E-07	9.50E-07	0.00E+00	1.60E-06	1.10E-07	1.62E-07	0.00E+00	2.72E-07	4.80E-08	6.49E-08	0.00E+00	1.13E-07
1199	441164.05	3767989.55	5.7047E-07	6.4227E-07	0.00E+00	1.21E-06	6.43E-07	9.34E-07	0.00E+00	1.58E-06	1.08E-07	1.59E-07	0.00E+00	2.67E-07	4.72E-08	6.38E-08	0.00E+00	1.11E-07
1200	441173.26	3767985.77	5.6057E-07	6.3112E-07	0.00E+00	1.19E-06	6.32E-07	9.17E-07	0.00E+00	1.55E-06	1.06E-07	1.56E-07	0.00E+00	2.62E-07	4.64E-08	6.27E-08	0.00E+00	1.09E-07
1201	440785.71	3768104.72	5.9248E-07	6.6705E-07	0.00E+00	1.26E-06	6.68E-07	9.70E-07	0.00E+00	1.64E-06	1.12E-07	1.65E-07	0.00E+00	2.77E-07	4.90E-08	6.62E-08	0.00E+00	1.15E-07
1202	440794.94	3768100.93	5.9777E-07	0.000000673	0.00E+00	1.27E-06	6.74E-07	9.78E-07	0.00E+00	1.65E-06	1.13E-07	1.67E-07	0.00E+00	2.80E-07	4.94E-08	6.68E-08	0.00E+00	1.16E-07
1203	440831.86	3768085.8	6.1807E-07	6.9586E-07	0.00E+00	1.31E-06	6.97E-07	1.01E-06	0.00E+00	1.71E-06	1.17E-07	1.72E-07	0.00E+00	2.89E-07	5.11E-08	6.91E-08	0.00E+00	1.20E-07
1204	440841.09	3768082.02	6.2341E-07	7.0188E-07	0.00E+00	1.33E-06	7.03E-07	1.02E-06	0.00E+00	1.72E-06	1.18E-07	1.74E-07	0.00E+00	2.92E-07	5.15E-08	6.97E-08	0.00E+00	1.21E-07
1205	440850.32	3768078.23	6.2819E-07	7.0726E-07	0.00E+00	1.34E-06	7.08E-07	1.03E-06	0.00E+00	1.74E-06	1.19E-07	1.75E-07	0.00E+00	2.94E-07	5.19E-08	7.02E-08	0.00E+00	1.22E-07
1206	440878.01	3768066.89	6.4084E-07	7.215E-07	0.00E+00	1.36E-06	7.22E-07	1.05E-06	0.00E+00	1.77E-06	1.21E-07	1.79E-07	0.00E+00	3.00E-07	5.30E-08	7.16E-08	0.00E+00	1.25E-07
1207	440887.24	3768063.1	6.4421E-07	7.2529E-07	0.00E+00	1.37E-06	7.26E-07	1.05E-06	0.00E+00	1.78E-06	1.22E-07	1.80E-07	0.00E+00	3.02E-07	5.33E-08	7.20E-08	0.00E+00	1.25E-07
1208	440942.61	3768040.4	6.5422E-07	7.3656E-07	0.00E+00	1.39E-06	7.37E-07	1.07E-06	0.00E+00	1.81E-06	1.24E-07	1.83E-07	0.00E+00	3.06E-07	5.41E-08	7.31E-08	0.00E+00	1.27E-07
1209	440951.84	3768036.62	6.5281E-07	7.3498E-07	0.00E+00	1.39E-06	7.36E-07	1.07E-06	0.00E+00	1.80E-06	1.23E-07	1.82E-07	0.00E+00	3.06E-07	5.40E-08	7.30E-08	0.00E+00	1.27E-07
1210	440961.07	3768032.84	6.5069E-07	7.3259E-07	0.00E+00	1.38E-06	7.33E-07	1.06E-06	0.00E+00	1.80E-06	1.23E-07	1.82E-07	0.00E+00	3.05E-07	5.38E-08	7.27E-08	0.00E+00	1.27E-07
1211	440970.3	3768029.06	6.4796E-07	7.2951E-07	0.00E+00	1.38E-06	7.30E-07	1.06E-06	0.00E+00	1.79E-06	1.22E-07	1.81E-07	0.00E+00	3.03E-07	5.36E-08	7.24E-08	0.00E+00	1.26E-07
1212	440979.53	3768025.27	6.4486E-07	7.2603E-07	0.00E+00	1.37E-06	7.27E-07	1.06E-06	0.00E+00	1.78E-06	1.22E-07	1.80E-07	0.00E+00	3.02E-07	5.33E-08	7.21E-08	0.00E+00	1.25E-07
1213	440988.76	3768021.49	6.4129E-07	0.000000722	0.00E+00	1.36E-06	7.23E-07	1.05E-06	0.00E+00	1.77E-06	1.21E-07	1.79E-07	0.00E+00	3.00E-07	5.30E-08	7.17E-08	0.00E+00	1.25E-07
1214	440997.99	3768017.71	6.3727E-07	7.1747E-07	0.00E+00	1.35E-06	7.18E-07	1.04E-06	0.00E+00	1.76E-06	1.20E-07	1.78E-07	0.00E+00	2.98E-07	5.27E-08	7.12E-08	0.00E+00	1.24E-07
1215	441007.22	3768013.92	6.3202E-07	7.1157E-07	0.00E+00	1.34E-06	7.12E-07	1.03E-06	0.00E+00	1.75E-06	1.19E-07	1.76E-07	0.00E+00	2.96E-07	5.23E-08	7.06E-08	0.00E+00	1.23E-07
1216	441016.45	3768010.14	6.261E-07	7.049E-07	0.00E+00	1.33E-06	7.06E-07	1.02E-06	0.00E+00	1.73E-06	1.18E-07	1.75E-07	0.00E+00	2.93E-07	5.18E-08	7.00E-08	0.00E+00	1.22E-07
1217	441025.68	3768006.36	6.1973E-07	6.9773E-07	0.00E+00	1.32E-06	6.99E-07	1.01E-06	0.00E+00	1.71E-06	1.17E-07	1.73E-07	0.00E+00	2.90E-07	5.12E-08	6.93E-08	0.00E+00	1.21E-07
1218	441034.91	3768002.57	6.1342E-07	6.9063E-07	0.00E+00	1.30E-06	6.91E-07	1.00E-06	0.00E+00	1.70E-06	1.16E-07	1.71E-07	0.00E+00	2.87E-07	5.07E-08	6.86E-08	0.00E+00	1.19E-07
1219	441044.14	3767998.79	6.0725E-07	6.8368E-07	0.00E+00	1.29E-06	6.84E-07	9.94E-07	0.00E+00	1.68E-06	1.15E-07	1.69E-07	0.00E+00	2.84E-07	5.02E-08	6.79E-08	0.00E+00	1.18E-07
1220	441053.37	3767995.01	0.000000601	6.7665E-07	0.00E+00	1.28E-06	6.77E-07	9.84E-07	0.00E+00	1.66E-06	1.14E-07	1.68E-07	0.00E+00	2.81E-07	4.97E-08	6.72E-08	0.00E+00	1.17E-07
1221	441062.6	3767991.23	5.9517E-07	6.7008E-07	0.00E+00	1.27E-06	6.71E-07	9.74E-07	0.00E+00	1.64E-06	1.13E-07	1.66E-07	0.00E+00	2.79E-07	4.92E-08	6.65E-08	0.00E+00	1.16E-07
1222	441071.83	3767987.44	5.9024E-07	6.6452E-07	0.00E+00	1.25E-06	6.65E-07	9.66E-07	0.00E+00	1.63E-06	1.12E-07	1.65E-07	0.00E+00	2.76E-07	4.88E-08	6.60E-08	0.00E+00	1.15E-07
1223	441081.06	3767983.66	5.8499E-07	6.5861E-07	0.00E+00	1.24E-06	6.59E-07	9.57E-07	0.00E+00	1.62E-06	1.11E-07	1.63E-07	0.00E+00	2.74E-07	4.84E-08	6.54E-08	0.00E+00	1.14E-07
1224	441090.29	3767979.88	5.7934E-07	6.5226E-07	0.00E+00	1.23E-06	6.53E-07	9.48E-07	0.00E+00	1.60E-06	1.10E-07	1.62E-07	0.00E+00	2.71E-07	4.79E-08	6.48E-08	0.00E+00	1.13E-07
1225	441099.52	3767976.09	5.7199E-07	6.4398E-07	0.00E+00	1.22E-06	6.45E-07	9.36E-07	0.00E+00	1.58E-06	1.08E-07	1.60E-07	0.00E+00	2.68E-07	4.73E-08	6.39E-08	0.00E+00	1.11E-07
1226	441108.75	3767972.31	5.6394E-07	6.3492E-07	0.00E+00	1.20E-06	6.36E-07	9.23E-07	0.00E+00	1.56E-06	1.07E-07	1.57E-07	0.00E+00	2.64E-07	4.66E-08	6.30E-08	0.00E+00	1.10E-07
1227	441117.98	3767968.53	5.5513E-07	0.000000625	0.00E+00	1.18E-06	6.26E-07	9.09E-07	0.00E+00	1.53E-06	1.05E-07	1.55E-07	0.00E+00	2.60E-07	4.59E-08	6.20E-08	0.00E+00	1.08E-07

1228	441127.21	3767964.74	0.000000545	6.136E-07	0.00E+00	1.16E-06	6.14E-07	8.92E-07	0.00E+00	1.51E-06	1.03E-07	1.52E-07	0.00E+00	2.55E-07	4.51E-08	6.09E-08	0.00E+00	1.06E-07
1229	441136.44	3767960.96	5.3449E-07	6.0176E-07	0.00E+00	1.14E-06	6.02E-07	8.75E-07	0.00E+00	1.48E-06	1.01E-07	1.49E-07	0.00E+00	2.50E-07	4.42E-08	5.97E-08	0.00E+00	1.04E-07
1230	441145.67	3767957.18	5.2386E-07	5.898E-07	0.00E+00	1.11E-06	5.90E-07	8.57E-07	0.00E+00	1.45E-06	9.90E-08	1.46E-07	0.00E+00	2.45E-07	4.33E-08	5.86E-08	0.00E+00	1.02E-07
1231	441154.9	3767953.4	5.1493E-07	5.7973E-07	0.00E+00	1.09E-06	5.80E-07	8.43E-07	0.00E+00	1.42E-06	9.73E-08	1.44E-07	0.00E+00	2.41E-07	4.26E-08	5.76E-08	0.00E+00	1.00E-07
1232	441164.13	3767949.61	5.0757E-07	5.7146E-07	0.00E+00	1.08E-06	5.72E-07	8.31E-07	0.00E+00	1.40E-06	9.60E-08	1.42E-07	0.00E+00	2.38E-07	4.20E-08	5.67E-08	0.00E+00	9.87E-08
1233	440552.56	3768713.7	3.1807E-07	3.5811E-07	0.00E+00	6.76E-07	3.59E-07	5.21E-07	0.00E+00	8.79E-07	6.01E-08	8.87E-08	0.00E+00	1.49E-07	2.63E-08	3.56E-08	0.00E+00	6.19E-08
1234	440552.59	3768723.68	3.1356E-07	3.5303E-07	0.00E+00	6.67E-07	3.53E-07	5.13E-07	0.00E+00	8.67E-07	5.93E-08	8.75E-08	0.00E+00	1.47E-07	2.59E-08	3.50E-08	0.00E+00	6.10E-08
1235	440552.62	3768733.66	3.091E-07	3.4801E-07	0.00E+00	6.57E-07	3.48E-07	5.06E-07	0.00E+00	8.54E-07	5.84E-08	8.62E-08	0.00E+00	1.45E-07	2.56E-08	3.45E-08	0.00E+00	6.01E-08
1236	440552.65	3768743.64	3.0462E-07	3.4296E-07	0.00E+00	6.48E-07	3.43E-07	4.99E-07	0.00E+00	8.42E-07	5.76E-08	8.50E-08	0.00E+00	1.43E-07	2.52E-08	3.40E-08	0.00E+00	5.92E-08
1237	440552.68	3768753.62	3.0013E-07	3.379E-07	0.00E+00	6.38E-07	3.38E-07	4.91E-07	0.00E+00	8.29E-07	5.67E-08	8.37E-08	0.00E+00	1.40E-07	2.48E-08	3.35E-08	0.00E+00	5.84E-08
1238	440552.71	3768763.61	2.9567E-07	3.3288E-07	0.00E+00	6.29E-07	3.33E-07	4.84E-07	0.00E+00	8.17E-07	5.59E-08	8.25E-08	0.00E+00	1.38E-07	2.44E-08	3.30E-08	0.00E+00	5.75E-08
1239	440552.74	3768773.59	2.9119E-07	3.2785E-07	0.00E+00	6.19E-07	3.28E-07	4.77E-07	0.00E+00	8.05E-07	5.50E-08	8.12E-08	0.00E+00	1.36E-07	2.41E-08	3.25E-08	0.00E+00	5.66E-08
1240	440552.77	3768783.57	2.8672E-07	3.228E-07	0.00E+00	6.10E-07	3.23E-07	4.69E-07	0.00E+00	7.92E-07	5.42E-08	8.00E-08	0.00E+00	1.34E-07	2.37E-08	3.20E-08	0.00E+00	5.58E-08
1241	440552.8	3768793.55	2.8225E-07	3.1777E-07	0.00E+00	6.00E-07	3.18E-07	4.62E-07	0.00E+00	7.80E-07	5.34E-08	7.88E-08	0.00E+00	1.32E-07	2.33E-08	3.15E-08	0.00E+00	5.49E-08
1242	440757.03	3768076.57	5.5148E-07	6.2089E-07	0.00E+00	1.17E-06	6.22E-07	9.03E-07	0.00E+00	1.52E-06	1.04E-07	1.54E-07	0.00E+00	2.58E-07	4.56E-08	6.16E-08	0.00E+00	1.07E-07
1243	440766.11	3768072.85	5.5671E-07	6.2678E-07	0.00E+00	1.18E-06	6.28E-07	9.11E-07	0.00E+00	1.54E-06	1.05E-07	1.55E-07	0.00E+00	2.61E-07	4.60E-08	6.22E-08	0.00E+00	1.08E-07
1244	440847.87	3768039.33	5.8816E-07	6.6218E-07	0.00E+00	1.25E-06	6.63E-07	9.63E-07	0.00E+00	1.63E-06	1.11E-07	1.64E-07	0.00E+00	2.75E-07	4.86E-08	6.57E-08	0.00E+00	1.14E-07
1245	440856.96	3768035.61	5.9073E-07	6.6508E-07	0.00E+00	1.26E-06	6.66E-07	9.67E-07	0.00E+00	1.63E-06	1.12E-07	1.65E-07	0.00E+00	2.76E-07	4.88E-08	6.60E-08	0.00E+00	1.15E-07
1246	440866.04	3768031.89	5.9326E-07	6.6793E-07	0.00E+00	1.26E-06	6.69E-07	9.71E-07	0.00E+00	1.64E-06	1.12E-07	1.66E-07	0.00E+00	2.78E-07	4.91E-08	6.63E-08	0.00E+00	1.15E-07
1247	440902.38	3768016.99	6.0154E-07	6.7726E-07	0.00E+00	1.28E-06	6.78E-07	9.84E-07	0.00E+00	1.66E-06	1.14E-07	1.68E-07	0.00E+00	2.82E-07	4.97E-08	6.72E-08	0.00E+00	1.17E-07
1248	440911.46	3768013.27	6.0275E-07	6.7862E-07	0.00E+00	1.28E-06	6.79E-07	9.86E-07	0.00E+00	1.67E-06	1.14E-07	1.68E-07	0.00E+00	2.82E-07	4.98E-08	6.74E-08	0.00E+00	1.17E-07
1249	440920.55	3768009.55	6.0297E-07	6.7886E-07	0.00E+00	1.28E-06	6.80E-07	9.87E-07	0.00E+00	1.67E-06	1.14E-07	1.68E-07	0.00E+00	2.82E-07	4.99E-08	6.74E-08	0.00E+00	1.17E-07
1250	440929.63	3768005.82	6.0275E-07	6.7862E-07	0.00E+00	1.28E-06	6.79E-07	9.86E-07	0.00E+00	1.67E-06	1.14E-07	1.68E-07	0.00E+00	2.82E-07	4.98E-08	6.74E-08	0.00E+00	1.17E-07
1251	440938.72	3768002.1	6.0214E-07	6.7793E-07	0.00E+00	1.28E-06	6.79E-07	9.85E-07	0.00E+00	1.66E-06	1.14E-07	1.68E-07	0.00E+00	2.82E-07	4.98E-08	6.73E-08	0.00E+00	1.17E-07
1252	440947.8	3767998.38	6.0042E-07	6.7599E-07	0.00E+00	1.28E-06	6.77E-07	9.83E-07	0.00E+00	1.66E-06	1.14E-07	1.68E-07	0.00E+00	2.81E-07	4.96E-08	6.71E-08	0.00E+00	1.17E-07
1253	440956.88	3767994.65	5.9815E-07	6.7343E-07	0.00E+00	1.27E-06	6.74E-07	9.79E-07	0.00E+00	1.65E-06	1.13E-07	1.67E-07	0.00E+00	2.80E-07	4.95E-08	6.69E-08	0.00E+00	1.16E-07
1254	440965.97	3767990.93	5.9571E-07	6.7069E-07	0.00E+00	1.27E-06	6.71E-07	9.75E-07	0.00E+00	1.65E-06	1.13E-07	1.66E-07	0.00E+00	2.79E-07	4.93E-08	6.66E-08	0.00E+00	1.16E-07
1255	440975.05	3767987.21	5.9248E-07	6.6705E-07	0.00E+00	1.26E-06	6.68E-07	9.70E-07	0.00E+00	1.64E-06	1.12E-07	1.65E-07	0.00E+00	2.77E-07	4.90E-08	6.62E-08	0.00E+00	1.15E-07
1256	440984.14	3767983.48	5.8839E-07	6.6244E-07	0.00E+00	1.25E-06	6.63E-07	9.63E-07	0.00E+00	1.63E-06	1.11E-07	1.64E-07	0.00E+00	2.75E-07	4.87E-08	6.58E-08	0.00E+00	1.14E-07
1257	440993.22	3767979.76	5.839E-07	6.5739E-07	0.00E+00	1.24E-06	6.58E-07	9.56E-07	0.00E+00	1.61E-06	1.10E-07	1.63E-07	0.00E+00	2.73E-07	4.83E-08	6.53E-08	0.00E+00	1.14E-07
1258	441002.31	3767976.04	5.7902E-07	6.5189E-07	0.00E+00	1.23E-06	6.53E-07	9.48E-07	0.00E+00	1.60E-06	1.09E-07	1.62E-07	0.00E+00	2.71E-07	4.79E-08	6.47E-08	0.00E+00	1.13E-07
1259	441011.39	3767972.31	5.7376E-07	6.4597E-07	0.00E+00	1.22E-06	6.47E-07	9.39E-07	0.00E+00	1.59E-06	1.08E-07	1.60E-07	0.00E+00	2.69E-07	4.74E-08	6.41E-08	0.00E+00	1.12E-07
1260	441020.48	3767968.59	5.6825E-07	6.3977E-07	0.00E+00	1.21E-06	6.41E-07	9.30E-07	0.00E+00	1.57E-06	1.07E-07	1.59E-07	0.00E+00	2.66E-07	4.70E-08	6.35E-08	0.00E+00	1.10E-07
1261	441029.56	3767964.87	5.6239E-07	6.3317E-07	0.00E+00	1.20E-06	6.34E-07	9.20E-07	0.00E+00	1.55E-06	1.06E-07	1.57E-07	0.00E+00	2.63E-07	4.65E-08	6.29E-08	0.00E+00	1.09E-07
1262	441038.64	3767961.14	5.5723E-07	6.2736E-07	0.00E+00	1.18E-06	6.28E-07	9.12E-07	0.00E+00	1.54E-06	1.05E-07	1.55E-07	0.00E+00	2.61E-07	4.61E-08	6.23E-08	0.00E+00	1.08E-07
1263	441047.73	3767957.42	5.5205E-07	6.2153E-07	0.00E+00	1.17E-06	6.22E-07	9.03E-07	0.00E+00	1.53E-06	1.04E-07	1.54E-07	0.00E+00	2.58E-07	4.56E-08	6.17E-08	0.00E+00	1.07E-07
1264	441056.81	3767953.7	5.4681E-07	6.1563E-07	0.00E+00	1.16E-06	6.16E-07	8.95E-07	0.00E+00	1.51E-06	1.03E-07	1.53E-07	0.00E+00	2.56E-07	4.52E-08	6.11E-08	0.00E+00	1.06E-07
1265	441065.9	3767949.97	5.4134E-07	6.0947E-07	0.00E+00	1.15E-06	6.10E-07	8.86E-07	0.00E+00	1.50E-06	1.02E-07	1.51E-07	0.00E+00	2.53E-07	4.48E-08	6.05E-08	0.00E+00	1.05E-07
1266	441074.98	3767946.25	5.3536E-07	6.0275E-07	0.00E+00	1.14E-06	6.03E-07	8.76E-07	0.00E+00	1.48E-06	1.01E-07	1.49E-07	0.00E+00	2.51E-07	4.43E-08	5.98E-08	0.00E+00	1.04E-07
1267	441084.07	3767942.53	5.2902E-07	5.956E-07	0.00E+00	1.12E-06	5.96E-07	8.66E-07	0.00E+00	1.46E-06	1.00E-07	1.48E-07	0.00E+00	2.48E-07	4.37E-08	5.91E-08	0.00E+00	1.03E-07
1268	441093.15	3767938.8	5.2162E-07	5.8727E-07	0.00E+00	1.11E-06	5.88E-07	8.54E-07	0.00E+00	1.44E-06	9.86E-08	1.46E-07	0.00E+00	2.44E-07	4.31E-08	5.83E-08	0.00E+00	1.01E-07
1269	441129.49	3767923.91	4.8714E-07	5.4845E-07	0.00E+00	1.04E-06	5.49E-07	7.97E-07	0.00E+00	1.35E-06	9.21E-08	1.36E-07	0.00E+00	2.28E-07	4.03E-08	5.44E-08	0.00E+00	9.47E-08
1270	441138.57	3767920.19	4.7878E-07	5.3904E-07	0.00E+00	1.02E-06	5.40E-07	7.84E-07	0.00E+00	1.32E-06	9.05E-08	1.34E-07	0.00E+00	2.24E-07	3.96E-08	5.35E-08	0.00E+00	9.31E-08
1271	441147.66	3767916.46	4.7054E-07	5.2977E-07	0.00E+00	1.00E-06	5.30E-07	7.70E-07	0.00E+00	1.30E-06	8.90E-08	1.31E-07	0.00E+00	2.20E-07	3.89E-08	5.26E-08	0.00E+00	9.15E-08
1272	441156.74	3767912.74	4.6383E-07	5.2221E-07	0.00E+00	9.86E-07	5.23E-07	7.59E-07	0.00E+00	1.28E-06	8.77E-08	1.29E-07	0.00E+00	2.17E-07	3.84E-08	5.18E-08	0.00E+00	9.02E-08
1273	441165.83	3767909.02	4.5729E-07	5.1485E-07	0.00E+00	9.72E-07	5.15E-07	7.48E-07	0.00E+00	1.26E-06	8.64E-08	1.28E-07	0.00E+00	2.14E-07	3.78E-08	5.11E-08	0.00E+00	8.89E-08
1274	440512.41	3768663.91	3.124E-07	3.5172E-07	0.00E+00	6.64E-07	3.52E-07	5.11E-07	0.00E+00	8.63E-07	5.91E-08	8.72E-08	0.00E+00	1.46E-07	2.58E-08	3.49E-08	0.00E+00	6.07E-08
1275	440512.44	3768673.89	3.0873E-07	3.4759E-07	0.00E+00	6.56E-07	3.48E-07	5.05E-07	0.00E+00	8.53E-07	5.84E-08	8.61E-08	0.00E+00	1.45E-07	2.55E-08	3.45E-08	0.00E+00	6.00E-08
1276	440512.47	3768683.87	3.0497E-07	3.4336E-07	0.00E+00	6.48E-07	3.44E-07	4.99E-07	0.00E+00	8.43E-07	5.77E-08	8.51E-08	0.00E+00	1.43E-07	2.52E-08	3.41E-08	0.00E+00	5.93E-08
1277	440512.5	3768693.85	3.0119E-07	3.3909E-07	0.00E+00	6.40E-07	3.40E-07	4.93E-07	0.00E+00	8.32E-07	5.69E-08	8.40E-08	0.00E+00	1.41E-07	2.49E-08	3.37E-08	0.00E+00	5.86E-08
1278	440512.53	3768703.83	2.974E-07	3.3483E-07	0.00E+00	6.32E-07	3.35E-07	4.87E-07	0.00E+00	8.22E-07	5.62E-08	8.30E-08	0.00E+00	1.39E-07	2.46E-08	3.32E-08	0.00E+00	5.78E-08
1279	440512.56	3768713.82	2.9355E-07	3.305E-07	0.00E+00	6.24E-07	3.31E-07	4.80E-07	0.00E+00	8.11E-07	5.55E-08	8.19E-08	0.00E+00	1.37E-07	2.43E-08	3.28E-08	0.00E+00	5.71E-08
1280	440512.59	3768723.8	2.8967E-07	3.2613E-07	0.00E+00	6.16E-07	3.27E-07	4.74E-07	0.00E+00	8.01E-07	5.48E-08	8.08E-08	0.00E+00	1.36E-07	2.40E-08	3.24E-08	0.00E+00	5.63E-08
1281	440512.62	3768733.78	2.8579E-07	3.2177E-07	0.00E+00	6.08E-07	3.22E-07	4.68E-07	0.00E+00	7.90E-07	5.40E-08	7.97E-08	0.00E+00	1.34E-07	2.36E-08	3.19E-08	0.00E+00	5.56E-08
1282	440512.65	3768743.76	2.8188E-07	3.1736E-07	0.00E+00	5.99E-07	3.18E-07	4.61E-07	0.00E+00	7.79E-07	5.33E-08	7.87E-08	0.00E+00	1.32E-07	2.33E-08	3.15E-08	0.00E+00	5.48E-08
1283	440512.68	3768753.75	2.7791E-07	3.1289E-07	0.00E+00	5.91E-07	3.13E-07	4.55E-07	0.00E+00	7.68E-07	5.25E-08	7.75E-08	0.00E+00	1.30E-07	2.30E-08	3.11E-08	0.00E+00	5.40E-08
1284	440512.71	3768763.73	2.7393E-07	3.0841E-07	0.00E+00	5.82E-07	3.09E-07	4.48E-07	0.00E+00	7.57E-07	5.18E-08	7.64E-08	0.00E+00	1.28E-07	2.27E-08	3.06E-08	0.00E+00	5.33E-08
1285	440512.74	3768773.71	2.6993E-07	3.0391E-07	0.00E+00	5.74E-07	3.04E-07	4.42E-07	0.00E+00	7.46E-07	5.10E-08	7.53E-08	0.00E+00	1.26E-07	2.23E-08	3.02E-08	0.00E+00	5.25E-08
1286	440512.77	3768783.69	2.6595E-07	2.9943E-07	0.00E+00	5.65E-07	3.00E-07	4.35E-07	0.00E+00	7.35E-07	5.03E-08	7.42E-08	0.00E+00	1.24E-07	2.20E-08	2.97E-08	0.00E+00	5.17E-08
1287	440512.8	3768793.67	2.6195E-07	2.9492E-07	0.00E+00	5.57E-07	2.95E-07	4.29E-07	0.00E+00	7.24E-07	4.95E-08	7.31E-08	0.00E+00	1.23E-07	2.17E-08	2.93E-08	0.00E+00	5.09E-08
1288	440774.37	3768029.56	5.348E-07	6.0211E-07	0.00E+00	1.14E-06	6.03E-07	8.75E-07	0.00E+00	1.48E-06	1.01E-07	1.49E-07	0.00E+00	2.50E-07	4.42E-08	5.98E-08	0.00E+00	1.04E-07
1289	440783.47	3768025.83	5.3789E-07	6.0559E-07	0.00E+00	1.14E-06	6.06E-07	8.80E-07	0.00E+00	1.49E-06	1.02E-07	1.50E-07	0.00E+00	2.52E-07	4.45E-08	6.01E-08	0.00E+00	1.05E-07
1290	440792.58	3768022.1	5.4077E-07	6.0883E-07	0.00E+00	1.15E-06	6.10E-07	8.85E-07	0.00E+00	1.49E-06	1.02E-07	1.51E-07	0.00E+00	2.53E-07	4.47E-08	6.04E-08	0.00E+00	1.05E-07
1291	440819.89	3768010.9	5.4609E-07	6.1482E-07	0.00E+00	1.16E-06	6.16E-07	8.94E-07	0.00E+00	1.51E-06	1.03E-07	1.52E-07	0.00E+00	2.56E-07	4.52E-08	6.10E-08	0.00E+00	1.06E-07
1292	440829	3768007.17	5.4679E-07	6.1562E-07	0.00E+00	1.16E-06	6.16E-07	8.95E-07	0.00E+00	1.51E-06	1.03E-07	1.53E-07	0.00E+00	2.56E-07	4.52E-08	6.11E-08	0.00E+00	1.06E-07
1293	440838.1	3768003.44	5.4695E-07	6.1579E-07	0.00E+00	1.16E-06	6.17E-07	8.95E-07	0.00E+00	1.51E-06	1.03E-07	1.53E-07	0.00E+00	2.56E-07	4.52E-08	6.11E-08	0.00E+00	1.06E-07
1294	440874.52	3767988.51	5.5241E-07	6.2193E-07	0.00E+00	1.17E-06	6.23E-07	9.04E-07	0.00E+00	1.53E-06	1.04E-07	1.54E-07	0.00E+00	2.59E-07	4.57E-08	6.17E-08	0.00E+00	1.07E-07
1295	440883.62	3767984.78	5.5362E-07	6.233E-07	0.00E+00	1.18E-06	6.24E-07	9.06E-07	0.00E+00	1.53E-06	1.05E-07	1.54E-07	0.00E+00	2.59E-07	4.58E-08	6.19E-08	0.00E+00	1.08E-07
1296	440892.73	3767981.05	5.5433E-07	6.241E-07	0.00E+00	1.18E-06	6.25E-07	9.07E-07	0.00E+00	1.53E-06	1.05E-07	1.55E-07	0.00E+00	2.59E-07	4.58E-08	6.20E-08	0.00E+00	1.08E-07
1297	440901.83	3767977.32	5.5447E-07	6.2426E-07	0.00E+00	1.18E-06	6.25E-07	9.07E-07	0.00E+00	1.53E-06	1.05E-07	1.55E-07	0.00E+00	2.60E-07	4.58E-08	6.20E-08	0.00E+00	1.08E-07
1298	440910.94	3767973.59	5.5407E-07	6.2381E-07	0.00E+00	1.18E-06	6.25E-07	9.07E-07	0.00E+00	1.53E-06	1.05E-07	1.55E-07	0.00E+00	2.59E-07	4.58E-08	6.19E-08	0.00E+00	1.08E-07
1299	440920.04	3767969.85	5.5319E-07	6.2281E-07	0.00E+00	1.18E-06	6.24E-07	9.05E-07	0.00E+00	1.53E-06	1.05E-07	1.54E-07	0.00E+00	2.59E-07	4.57E-08	6.18E-08	0.00E+00	1.08E-07
1300	440929.15	3767966.12	5.5226E-07	6.2177E-07	0.00E+00	1.17E-06	6.23E-07	9.04E-07	0.00E+00	1.53E-06	1.04E-07	1.54E-07	0.00E+00	2.58E-07	4.57E-08	6.17E-08	0.00E+00	1.07E-07
1301	440938.25	3767962.39	5.5097E-07	6.2031E-07	0.00E+00	1.17E-06	6.21E-07	9.02E-07	0.00E+00	1.52E-06	1.04E-07	1.54E-07	0.00E+00	2.58E-07	4.56E-08	6.16E-08	0.00E+00	1.07E-07
1302	440947.35	3767958.66	5.4912E-07	6.1823E-07	0.00E+00	1.17E-06	6.19E-07	8.99E-07	0.00E+00	1.52E-06	1.04E-07	1.53E-07	0.00E+00	2.57E-07	4.54E-08	6.14E-08	0.00E+00	1.07E-07
1303	440956.46	3767954.93	5.4674E-07	6.1555E-07	0.00E+00	1.16E-06	6.16E-07	8.95E-07	0.00E+00	1.51E-06	1.03E-07	1.53E-07	0.00E+00	2.56E-07	4.52E-08	6.11E-08	0.00E+00	1.06E-07
1304	440965.56	3767951.2	5.4384E-07	6.1228E-07	0.00E+00	1.16E-06	6.13E-07	8.90E-07	0.00E+00	1.50E-06	1.03E-07	1.52E-07	0.00E+00	2.55E-07	4.50E-08	6.08E-08	0.00E+00	1.06E-07
1305	440974.67	3767947.46	5.3995E-07	6.0791E-07	0.00E+00	1.15E-06	6.09E-07	8.84E-07	0.00E+00	1.49E-06	1.02E-07	1.51E-07	0.00E+00	2.53E-07	4.46E-08	6.04E-08	0.00E+00	1.05E-07
1306	440983.77	3767943.73	5.3526E-07	6.0263E-07	0.00E+00	1.14E-06	6.03E-07	8.76E-07	0.00E+00	1.48E-06	1.01E-07	1.49E-07	0.00E+00	2.51E-07	4.43E-08	5.98E-08	0.00E+00	1.04E-07
1307	440992.88	3767940	5.3025E-07	5.9699E-07	0.00E+00	1.13E-06	5.98E-07	8.68E-07	0.00E+00	1.47E-06	1.00E-07	1.48E-07	0.00E+00	2.48E-07	4.38E-08	5.93E-08	0.00E+00	1.03E-07
1308	441029.3	3767925.07	5.0986E-07	5.7403E-07	0.00E+00	1.08E-06	5.75E-07	8.34E-07	0.00E+00	1.41E-06	9.64E-08	1.42E-07	0.00E+00	2.39E-07	4.22E-08	5.70E-08	0.00E+00	9.91E-08
1309	441038.4	3767921.34	5.0508E-07	5.6865E-07	0.00E+00	1.07E-06	5.69E-07	8.27E-07	0.00E+00	1.40E-06	9.55E-08	1.41E-07	0.00E+00	2.36E-07	4.18E-08	5.65E-08	0.00E+00	9.82E-08
1310	441047.5	3767917.61	5.0011E-07	5.6305E-07	0.00E+00	1.06E-06	5.64E-07	8.18E-07	0.00E+00	1.38E-06	9.45E-08	1.40E-07	0.00E+00	2.34E-07	4.14E-08	5.59E-08	0.00E+00	9.72E-08
1311	441056.61	3767913.88	4.9493E-07	5.5722E-07	0.00E+00	1.05E-06	5.58E-07	8.10E-07	0.00E+00	1.37E-06	9.36E-08	1.38E-07	0.00E+00	2.32E-07	4.09E-08	5.53E-08	0.00E+00	9.62E-08
1312	441065.71	3767910.15	4.8907E-07	5.5063E-07	0.00E+00	1.04E-06	5.51E-07	8.00E-07	0.00E+00	1.35E-06	9.25E-08	1.36E-07	0.00E+00	2.29E-07	4.04E-08	5.47E-08	0.00E+00	9.51E-08
1313	441074.82	3767906.42	4.8338E-07	5.4422E-07	0.00E+00	1.03E-06	5.45E-07	7.91E-07	0.00E+00	1.34E-06	9.14E-08	1.35E-07	0.00E+00	2.26E-07	4.00E-08	5.40E-08	0.00E+00	9.40E-08
1314	441083.92	3767902.68	4.7754E-07	5.3764E-07	0.00E+00	1.02E-06	5.38E-07	7.82E-07	0.00E+00	1.32E-06	9.03E-08	1.33E-07	0.00E+00	2.24E-07	3.95E-08	5.34E-08	0.00E+00	9.29E-08
1315	441093.03	3767898.95	4.7132E-07	5.3064E-07	0.00E+00	1.00E-06	5.31E-07	7.71E-07	0.00E+00	1.30E-06	8.91E-08	1.32E-07	0.00E+00	2.21E-07	3.90E-08	5.27E-08	0.00E+00	9.17E-08
1316	441102.13	3767895.22	4.645E-07	5.2296E-07	0.00E+00	9.87E-07	5.24E-07	7.60E-07	0.00E+00	1.28E-06	8.78E-08	1.30E-07	0.00E+00	2.17E-07	3.84E-08	5.19E-08	0.00E+00	9.03E-08
1317	441111.24	3767891.49	4.5756E-07	5.1515E-07	0.00E+00	9.73E-07	5.16E-07	7.49E-07	0.00E+00	1.26E-06	8.65E-08	1.28E-07	0.00E+00	2.14E-07	3.78E-08	5.11E-08	0.00E+00	8.90E-08
1318	441120.34	3767887.76	4.5057E-07	5.0728E-07	0.00E+00	9.58E-07	5.08E-07	7.37E-07	0.00E+00	1.25E-06	8.52E-08	1.26E-07	0.00E+00	2.11E-07	3.73E-08	5.04E-08	0.00E+00	8.76E-08
1319	441129.44	3767884.03	4.4351E-07	4.9933E-07	0.00E+00	9.43E-07	5.00E-07	7.26E-07	0.00E+00	1.23E-06	8.38E-08	1.24E-07	0.00E+00	2.08E-07	3.67E-08	4.96E-08	0.00E+00	8.62E-08
1320	441138.55	3767880.29	4.3637E-07	4.9129E-07	0.00E+00	9.28E-07	4.92E-07	7.14E-07	0.00E+00	1.21E-06	8.25E-08	1.22E-07	0.00E+00	2.04E-07	3.61E-08	4.88E-08	0.00E+00	8.49E-08
1321	441147.65	3767876.56	4.2926E-07	4.8328E-07	0.00E+00	9.13E-07	4.84E-07	7.03E-07	0.00E+00	1.19E-06	8.11E-08	1.20E-07	0.00E+00	2.01E-07	3.55E-08	4.80E-08	0.00E+00	8.35E-08
1322	441156.76	3767872.83	4.2249E-07	4.7567E-07	0.00E+00	8.98E-07	4.76E-07	6.91E-07	0.00E+00	1.17E-06	7.99E-08	1.18E-07	0.00E+00	1.98E-07	3.49E-08	4.72E-08	0.00E+00	8.22E-08
1323	441165.86	3767869.1	4.1568E-07	0.000000468	0.00E+00	8.84E-07	4.69E-07	6.80E-07	0.00E+00	1.15E-06	7.86E-08	1.16E-07	0.00E+00	1.95E-07	3.44E-08	4.65E-08	0.00E+00	8.08E-08
1324	440472.41	3768664.03	2.8862E-07	3.2494E-07	0.00E+00	6.14E-07	3.25E-07	4.72E-07	0.00E+00	7.98E-07	5.46E-08	8.05E-08	0.00E+00	1.35E-07	2.39E-08	3.23E-08	0.00E+00	5.61E-08
1325	440472.44	3768674.01	2.8542E-07	3.2134E-07	0.00E+00	6.07E-07	3.22E-07	4.67E-07	0.00E+00	7.89E-07	5.40E-08	7.96E-08	0.00E+00	1.34E-07	2.36E-08	3.19E-08	0.00E+00	5.55E-08
1326	440472.47	3768683.99	2.8209E-07	3.176E-07	0.00E+00	6.00E-07	3.18E-07	4.62E-07	0.00E+00	7.80E-07	5.33E-08	7.87E-08	0.00E+00	1.32E-07	2.33E-08	3.15E-08	0.00E+00	5.49E-08
1327	440472.5	3768693.97	2.7875E-07	3.1384E-07	0.00E+00	5.93E-07	3.14E-07	4.56E-07	0.00E+00	7.70E-07	5.27E-08	7.78E-08	0.00E+00	1.30E-07	2.30E-08	3.12E-08	0.00E+00	5.42E-08
1328	440472.53	3768703.95	2.7541E-07	3.1007E-07	0.00E+00	5.85E-07	3.10E-07	4.51E-07	0.00E+00	7.61E-07	5.21E-08	7.68E-08	0.00E+00	1.29E-07	2.28E-08	3.08E-08	0.00E+00	5.36E-08
1329	440472.56	3768713.94	2.7196E-07	3.0619E-07	0.00E+00	5.78E-07	3.07E-07	4.45E-07	0.00E+00	7.52E-07	5.14E-08	7.59E-08	0.00E+00	1.27E-07	2.25E-08	3.04E-08	0.00E+00	5.29E-08
1330	440472.59	3768723.92	2.6849E-07	3.0228E-07	0.00E+00	5.71E-07	3.03E-07	4.39E-07	0.00E+00	7.42E-07	5.08E-08	7.49E-08	0.00E+00	1.26E-07	2.22E-08	3.00E-08	0.00E+00	5.22E-08
1331	440472.62	3768733.9	2.6499E-07	2.9834E-07	0.00E+00	5.63E-07	2.99E-07	4.34E-07	0.00E+00	7.32E-07	5.01E-08	7.39E-08	0.00E+00	1.24E-07	2.19E-08	2.96E-08	0.00E+00	5.15E-08
1332	440472.65	3768743.88	2.6144E-07	2.9435E-07	0.00E+00	5.56E-07	2.95E-07	4.28E-07	0.00E+00	7.23E-07	4.94E-08	7.29E-08	0.00E+00	1.22E-07	2.16E-08	2.92E-08	0.00E+00	5.08E-08
1333	440472.68	3768753.87	2.5788E-07	2.9034E-07	0.00E+00	5.48E-07	2.91E-07	4.22E-07	0.00E+00	7.13E-07	4.88E-08	7.20E-08	0.00E+00	1.21E-07	2.13E-08	2.88E-08	0.00E+00	5.01E-08
1334	440472.71	3768763.85	2.5435E-07	2.8637E-07	0.00E+00	5.41E-07	2.87E-07	4.16E-07	0.00E+00	7.03E-07	4.81E-08	7.10E-08	0.00E+00	1.19E-07	2.10E-08	2.84E-08	0.00E+00	4.95E-08
1335	440472.74	3768773.83	2.5084E-07	2.8241E-07	0.00E+00	5.33E-07	2.83E-07	4.11E-07	0.00E+00	6.93E-07	4.74E-08	7.00E-08	0.00E+00	1.17E-07	2.07E-08	2.80E-08	0.00E+00	4.88E-08
1336	440472.77	3768783.81	2.4729E-07	2.7841E-07	0.00E+00	5.26E-07	2.79E-07	4.05E-07	0.00E+00	6.83E-07	4.67E-08	6.90E-08	0.00E+00	1.16E-07	2.04E-08	2.76E-08	0.00E+00	4.81E-08
1337	440472.8	3768793.79	2.4373E-07	2.7441E-07	0.00E+00	5.18E-07	2.75E-07	3.99E-07	0.00E+00	6.74E-07	4.61E-08	6.80E-08	0.00E+00	1.14E-07	2.02E-08	2.72E-08	0.00E+00	4.74E-08
1338	440601.73	3768204.21	4.4802E-07	5.0441E-07	0.00E+00	9.52E-07	5.05E-07	7.33E-07	0.00E+00	1.24E-06	8.47E-08	1.25E-07	0.00E+00	2.10E-07	3.70E-08	5.01E-08	0.00E+00	8.71E-08
1339	440605.5	3768195.1	4.5043E-07	5.0712E-07	0.00E+00	9.58E-07	5.08E-07	7.37E-07	0.00E+00	1.24E-06	8.52E-08	1.26E-07	0.00E+00	2.11E-07	3.72E-08	5.03E-08	0.00E+00	8.76E-08
1340	440609.27	3768185.99	4.5271E-07	5.0969E-07	0.00E+00	9.62E-07	5.10E-07	7.41E-07	0.00E+00	1.25E-06	8.56E-08	1.26E-07	0.00E+00	2.12E-07	3.74E-08	5.06E-08	0.00E+00	8.80E-08
1341	440620.57	3768158.65	4.5742E-07	5.1499E-07	0.00E+00	9.72E-07	5.16E-07	7.49E-07	0.00E+00	1.26E-06	8.65E-08	1.28E-07	0.00E+00	2.14E-07	3.78E-08	5.11E-08	0.00E+00	8.89E-08
1342	440624.33	3768149.54	4.5855E-07	5.1626E-07	0.00E+00	9.75E-07	5.17E-07	7.50E-07	0.00E+00	1.27E-06	8.67E-08	1.28E-07	0.00E+00	2.15E-07	3.79E-08	5.13E-08	0.00E+00	8.92E-08
1343	440628.1	3768140.43	4.602E-07	5.1812E-07	0.00E+00	9.78E-07	5.19E-07	7.53E-07	0.00E+00	1.27E-06	8.70E-08	1.28E-07	0.00E+00	2.15E-07	3.81E-08	5.14E-08	0.00E+00	8.95E-08
1344	440631.86	3768131.32	4.6149E-07	5.1957E-07	0.00E+00	9.81E-07	5.20E-07	7.55E-07	0.00E+00	1.28E-06	8.72E-08	1.29E-07	0.00E+00	2.16E-07	3.82E-08	5.16E-08	0.00E+00	8.97E-08
1345	440635.63	3768122.2	4.6248E-07	5.2069E-07	0.00E+00	9.83E-07	5.21E-07	7.57E-07	0.00E+00	1.28E-06	8.74E-08	1.29E-07	0.00E+00	2.16E-07	3.82E-08	5.17E-08	0.00E+00	8.99E-08
1346	440639.4	3768113.09	4.6354E-07	5.2189E-07	0.00E+00	9.85E-07	5.23E-07	7.59E-07	0.00E+00	1.28E-06	8.76E-08	1.29E-07	0.00E+00	2.17E-07	3.83E-08	5.18E-08	0.00E+00	9.01E-08
1347	440643.16	3768103.98	4.6455E-07	5.2302E-07	0.00E+00	9.88E-07	5.24E-07	7.60E-07	0.00E+00	1.28E-06	8.78E-08	1.30E-07	0.00E+00	2.17E-07	3.84E-08	5.19E-08	0.00E+00	9.03E-08
1348	440646.93	3768094.87	4.653E-07	5.2387E-07	0.00E+00	9.89E-07	5.24E-07	7.62E-07	0.00E+00	1.29E-06	8.80E-08	1.30E-07	0.00E+00	2.18E-07	3.85E-08	5.20E-08	0.00E+00	9.05E-08
1349	440650.69	3768085.76	4.6562E-07	5.2423E-07	0.00E+00	9.90E-07	5.25E-07	7.62E-07	0.00E+00	1.29E-06	8.80E-08	1.30E-07	0.00E+00	2.18E-07	3.85E-08	5.20E-08	0.00E+00	9.05E-08
1350	440654.46	3768076.65	4.6573E-07	5.2435E-07	0.00E+00	9.90E-07	5.25E-07	7.62E-07	0.00E+00	1.29E-06	8.80E-08	1.30E-07	0.00E+00	2.18E-07	3.85E-08	5.21E-08	0.00E+00	9.06E-08

1351	440658.23	3768067.53	4.6577E-07	5.2439E-07	0.00E+00	9.90E-07	5.25E-07	7.62E-07	0.00E+00	1.29E-06	8.81E-08	1.30E-07	0.00E+00	2.18E-07	3.85E-08	5.21E-08	0.00E+00	9.06E-08
1352	440669.52	3768040.2	4.6427E-07	5.2271E-07	0.00E+00	9.87E-07	5.23E-07	7.60E-07	0.00E+00	1.28E-06	8.78E-08	1.30E-07	0.00E+00	2.17E-07	3.84E-08	5.19E-08	0.00E+00	9.03E-08
1353	440682.41	3768027.35	0.000000468	5.269E-07	0.00E+00	9.95E-07	5.28E-07	7.66E-07	0.00E+00	1.29E-06	8.85E-08	1.31E-07	0.00E+00	2.19E-07	3.87E-08	5.23E-08	0.00E+00	9.10E-08
1354	440691.54	3768023.61	4.7262E-07	5.321E-07	0.00E+00	1.00E-06	5.33E-07	7.73E-07	0.00E+00	1.31E-06	8.93E-08	1.32E-07	0.00E+00	2.21E-07	3.91E-08	5.28E-08	0.00E+00	9.19E-08
1355	440700.66	3768019.87	4.7722E-07	5.3728E-07	0.00E+00	1.01E-06	5.38E-07	7.81E-07	0.00E+00	1.32E-06	9.02E-08	1.33E-07	0.00E+00	2.23E-07	3.95E-08	5.33E-08	0.00E+00	9.28E-08
1356	440709.78	3768016.13	4.8186E-07	5.4251E-07	0.00E+00	1.02E-06	5.43E-07	7.89E-07	0.00E+00	1.33E-06	9.11E-08	1.34E-07	0.00E+00	2.26E-07	3.98E-08	5.39E-08	0.00E+00	9.37E-08
1357	440810.13	3767975	5.1261E-07	5.7713E-07	0.00E+00	1.09E-06	5.78E-07	8.39E-07	0.00E+00	1.42E-06	9.69E-08	1.43E-07	0.00E+00	2.40E-07	4.24E-08	5.73E-08	0.00E+00	9.97E-08
1358	440837.5	3767963.78	5.1331E-07	5.7792E-07	0.00E+00	1.09E-06	5.79E-07	8.40E-07	0.00E+00	1.42E-06	9.70E-08	1.43E-07	0.00E+00	2.40E-07	4.24E-08	5.74E-08	0.00E+00	9.98E-08
1359	440846.62	3767960.04	5.1315E-07	5.7774E-07	0.00E+00	1.09E-06	5.78E-07	8.40E-07	0.00E+00	1.42E-06	9.70E-08	1.43E-07	0.00E+00	2.40E-07	4.24E-08	5.74E-08	0.00E+00	9.98E-08
1360	440855.74	3767956.3	5.138E-07	5.7847E-07	0.00E+00	1.09E-06	5.79E-07	8.41E-07	0.00E+00	1.42E-06	9.71E-08	1.43E-07	0.00E+00	2.40E-07	4.25E-08	5.74E-08	0.00E+00	9.99E-08
1361	440864.87	3767952.57	5.1452E-07	5.7928E-07	0.00E+00	1.09E-06	5.80E-07	8.42E-07	0.00E+00	1.42E-06	9.73E-08	1.44E-07	0.00E+00	2.41E-07	4.25E-08	5.75E-08	0.00E+00	1.00E-07
1362	440873.99	3767948.83	5.1475E-07	5.7954E-07	0.00E+00	1.09E-06	5.80E-07	8.42E-07	0.00E+00	1.42E-06	9.73E-08	1.44E-07	0.00E+00	2.41E-07	4.26E-08	5.75E-08	0.00E+00	1.00E-07
1363	440883.11	3767945.09	5.1453E-07	5.7929E-07	0.00E+00	1.09E-06	5.80E-07	8.42E-07	0.00E+00	1.42E-06	9.73E-08	1.44E-07	0.00E+00	2.41E-07	4.25E-08	5.75E-08	0.00E+00	1.00E-07
1364	440892.24	3767941.35	5.1381E-07	5.7847E-07	0.00E+00	1.09E-06	5.79E-07	8.41E-07	0.00E+00	1.42E-06	9.71E-08	1.43E-07	0.00E+00	2.40E-07	4.25E-08	5.74E-08	0.00E+00	9.99E-08
1365	440937.85	3767922.65	5.0792E-07	5.7185E-07	0.00E+00	1.08E-06	5.73E-07	8.31E-07	0.00E+00	1.40E-06	9.60E-08	1.42E-07	0.00E+00	2.38E-07	4.20E-08	5.68E-08	0.00E+00	9.88E-08
1366	440946.97	3767918.91	5.0527E-07	5.6886E-07	0.00E+00	1.07E-06	5.70E-07	8.27E-07	0.00E+00	1.40E-06	9.55E-08	1.41E-07	0.00E+00	2.36E-07	4.18E-08	5.65E-08	0.00E+00	9.83E-08
1367	440956.1	3767915.17	5.0191E-07	5.6509E-07	0.00E+00	1.07E-06	5.66E-07	8.21E-07	0.00E+00	1.39E-06	9.49E-08	1.40E-07	0.00E+00	2.35E-07	4.15E-08	5.61E-08	0.00E+00	9.76E-08
1368	440965.22	3767911.44	4.9811E-07	5.6081E-07	0.00E+00	1.06E-06	5.61E-07	8.15E-07	0.00E+00	1.38E-06	9.42E-08	1.39E-07	0.00E+00	2.33E-07	4.12E-08	5.57E-08	0.00E+00	9.69E-08
1369	440974.34	3767907.7	4.9363E-07	5.5576E-07	0.00E+00	1.05E-06	5.56E-07	8.08E-07	0.00E+00	1.36E-06	9.33E-08	1.38E-07	0.00E+00	2.31E-07	4.08E-08	5.52E-08	0.00E+00	9.60E-08
1370	440983.46	3767903.96	4.8878E-07	5.503E-07	0.00E+00	1.04E-06	5.51E-07	8.00E-07	0.00E+00	1.35E-06	9.24E-08	1.36E-07	0.00E+00	2.29E-07	4.04E-08	5.46E-08	0.00E+00	9.50E-08
1371	440992.59	3767900.22	4.8407E-07	5.4499E-07	0.00E+00	1.03E-06	5.46E-07	7.92E-07	0.00E+00	1.34E-06	9.15E-08	1.35E-07	0.00E+00	2.27E-07	4.00E-08	5.41E-08	0.00E+00	9.41E-08
1372	441001.71	3767896.48	4.7956E-07	5.3992E-07	0.00E+00	1.02E-06	5.41E-07	7.85E-07	0.00E+00	1.33E-06	9.07E-08	1.34E-07	0.00E+00	2.24E-07	3.97E-08	5.36E-08	0.00E+00	9.33E-08
1373	441010.83	3767892.74	4.7528E-07	5.351E-07	0.00E+00	1.01E-06	5.36E-07	7.78E-07	0.00E+00	1.31E-06	8.98E-08	1.33E-07	0.00E+00	2.22E-07	3.93E-08	5.31E-08	0.00E+00	9.24E-08
1374	441019.95	3767889	4.706E-07	5.2983E-07	0.00E+00	1.00E-06	5.30E-07	7.70E-07	0.00E+00	1.30E-06	8.90E-08	1.31E-07	0.00E+00	2.20E-07	3.89E-08	5.26E-08	0.00E+00	9.15E-08
1375	441029.08	3767885.26	4.6559E-07	5.2419E-07	0.00E+00	9.90E-07	5.25E-07	7.62E-07	0.00E+00	1.29E-06	8.80E-08	1.30E-07	0.00E+00	2.18E-07	3.85E-08	5.20E-08	0.00E+00	9.05E-08
1376	441038.2	3767881.52	4.6142E-07	5.195E-07	0.00E+00	9.81E-07	5.20E-07	7.55E-07	0.00E+00	1.28E-06	8.72E-08	1.29E-07	0.00E+00	2.16E-07	3.82E-08	5.16E-08	0.00E+00	8.97E-08
1377	441047.32	3767877.78	4.5713E-07	5.1466E-07	0.00E+00	9.72E-07	5.15E-07	7.48E-07	0.00E+00	1.26E-06	8.64E-08	1.28E-07	0.00E+00	2.14E-07	3.78E-08	5.11E-08	0.00E+00	8.89E-08
1378	441056.45	3767874.04	4.5249E-07	5.0944E-07	0.00E+00	9.62E-07	5.10E-07	7.41E-07	0.00E+00	1.25E-06	8.55E-08	1.26E-07	0.00E+00	2.12E-07	3.74E-08	5.06E-08	0.00E+00	8.80E-08
1379	441065.57	3767870.31	4.4737E-07	5.0368E-07	0.00E+00	9.51E-07	5.04E-07	7.32E-07	0.00E+00	1.24E-06	8.46E-08	1.25E-07	0.00E+00	2.09E-07	3.70E-08	5.00E-08	0.00E+00	8.70E-08
1380	441074.69	3767866.57	4.421E-07	4.9774E-07	0.00E+00	9.40E-07	4.98E-07	7.24E-07	0.00E+00	1.22E-06	8.36E-08	1.23E-07	0.00E+00	2.07E-07	3.66E-08	4.94E-08	0.00E+00	8.60E-08
1381	441083.81	3767862.83	4.3691E-07	4.919E-07	0.00E+00	9.29E-07	4.92E-07	7.15E-07	0.00E+00	1.21E-06	8.26E-08	1.22E-07	0.00E+00	2.05E-07	3.61E-08	4.88E-08	0.00E+00	8.50E-08
1382	441092.94	3767859.09	4.3156E-07	4.8587E-07	0.00E+00	9.17E-07	4.86E-07	7.06E-07	0.00E+00	1.19E-06	8.16E-08	1.20E-07	0.00E+00	2.02E-07	3.57E-08	4.82E-08	0.00E+00	8.39E-08
1383	441102.06	3767855.35	4.2583E-07	4.7942E-07	0.00E+00	9.05E-07	4.80E-07	6.97E-07	0.00E+00	1.18E-06	8.05E-08	1.19E-07	0.00E+00	1.99E-07	3.52E-08	4.76E-08	0.00E+00	8.28E-08
1384	441111.18	3767851.61	4.2019E-07	4.7308E-07	0.00E+00	8.93E-07	4.74E-07	6.88E-07	0.00E+00	1.16E-06	7.94E-08	1.17E-07	0.00E+00	1.97E-07	3.47E-08	4.70E-08	0.00E+00	8.17E-08
1385	441120.31	3767847.87	4.1447E-07	4.6664E-07	0.00E+00	8.81E-07	4.67E-07	6.78E-07	0.00E+00	1.15E-06	7.84E-08	1.16E-07	0.00E+00	1.94E-07	3.43E-08	4.63E-08	0.00E+00	8.06E-08
1386	441129.43	3767844.13	4.0754E-07	4.5883E-07	0.00E+00	8.66E-07	4.59E-07	6.67E-07	0.00E+00	1.13E-06	7.70E-08	1.14E-07	0.00E+00	1.91E-07	3.37E-08	4.56E-08	0.00E+00	7.92E-08
1387	441138.55	3767840.39	4.0075E-07	4.5119E-07	0.00E+00	8.52E-07	4.52E-07	6.56E-07	0.00E+00	1.11E-06	7.58E-08	1.12E-07	0.00E+00	1.88E-07	3.31E-08	4.48E-08	0.00E+00	7.79E-08
1388	440432.41	3768664.15	2.6742E-07	3.0108E-07	0.00E+00	5.69E-07	3.01E-07	4.38E-07	0.00E+00	7.39E-07	5.06E-08	7.46E-08	0.00E+00	1.25E-07	2.21E-08	2.99E-08	0.00E+00	5.20E-08
1389	440432.44	3768674.13	2.6455E-07	2.9785E-07	0.00E+00	5.62E-07	2.98E-07	4.33E-07	0.00E+00	7.31E-07	5.00E-08	7.38E-08	0.00E+00	1.24E-07	2.19E-08	2.96E-08	0.00E+00	5.14E-08
1390	440432.47	3768684.11	2.616E-07	2.9453E-07	0.00E+00	5.56E-07	2.95E-07	4.28E-07	0.00E+00	7.23E-07	4.95E-08	7.30E-08	0.00E+00	1.22E-07	2.16E-08	2.92E-08	0.00E+00	5.09E-08
1391	440432.5	3768694.09	2.5861E-07	2.9116E-07	0.00E+00	5.50E-07	2.92E-07	4.23E-07	0.00E+00	7.15E-07	4.89E-08	7.22E-08	0.00E+00	1.21E-07	2.14E-08	2.89E-08	0.00E+00	5.03E-08
1392	440432.53	3768704.07	2.5555E-07	2.8771E-07	0.00E+00	5.43E-07	2.88E-07	4.18E-07	0.00E+00	7.06E-07	4.83E-08	7.13E-08	0.00E+00	1.20E-07	2.11E-08	2.86E-08	0.00E+00	4.97E-08
1393	440432.56	3768714.06	2.5242E-07	2.842E-07	0.00E+00	5.37E-07	2.85E-07	4.13E-07	0.00E+00	6.98E-07	4.77E-08	7.04E-08	0.00E+00	1.18E-07	2.09E-08	2.82E-08	0.00E+00	4.91E-08
1394	440432.59	3768724.04	2.4932E-07	2.807E-07	0.00E+00	5.30E-07	2.81E-07	4.08E-07	0.00E+00	6.89E-07	4.71E-08	6.96E-08	0.00E+00	1.17E-07	2.06E-08	2.79E-08	0.00E+00	4.85E-08
1395	440432.62	3768734.02	2.4622E-07	2.7721E-07	0.00E+00	5.23E-07	2.78E-07	4.03E-07	0.00E+00	6.81E-07	4.65E-08	6.87E-08	0.00E+00	1.15E-07	2.04E-08	2.75E-08	0.00E+00	4.79E-08
1396	440432.65	3768744	2.4311E-07	2.7371E-07	0.00E+00	5.17E-07	2.74E-07	3.98E-07	0.00E+00	6.72E-07	4.60E-08	6.78E-08	0.00E+00	1.14E-07	2.01E-08	2.72E-08	0.00E+00	4.73E-08
1397	440432.68	3768753.99	0.00000024	2.7021E-07	0.00E+00	5.10E-07	2.71E-07	3.93E-07	0.00E+00	6.63E-07	4.54E-08	6.70E-08	0.00E+00	1.12E-07	1.98E-08	2.68E-08	0.00E+00	4.67E-08
1398	440432.71	3768763.97	2.3692E-07	2.6674E-07	0.00E+00	5.04E-07	2.67E-07	3.88E-07	0.00E+00	6.55E-07	4.48E-08	6.61E-08	0.00E+00	1.11E-07	1.96E-08	2.65E-08	0.00E+00	4.61E-08
1399	440432.74	3768773.95	2.3385E-07	2.6328E-07	0.00E+00	4.97E-07	2.64E-07	3.83E-07	0.00E+00	6.46E-07	4.42E-08	6.52E-08	0.00E+00	1.09E-07	1.93E-08	2.61E-08	0.00E+00	4.55E-08
1400	440432.77	3768783.93	2.3076E-07	2.598E-07	0.00E+00	4.91E-07	2.60E-07	3.78E-07	0.00E+00	6.38E-07	4.36E-08	6.44E-08	0.00E+00	1.08E-07	1.91E-08	2.58E-08	0.00E+00	4.49E-08
1401	440432.8	3768793.91	2.2765E-07	2.5631E-07	0.00E+00	4.84E-07	2.57E-07	3.73E-07	0.00E+00	6.29E-07	4.30E-08	6.35E-08	0.00E+00	1.07E-07	1.88E-08	2.54E-08	0.00E+00	4.43E-08
1402	440599.77	3768112.3	4.3216E-07	4.8655E-07	0.00E+00	9.19E-07	4.87E-07	7.07E-07	0.00E+00	1.19E-06	8.17E-08	1.21E-07	0.00E+00	2.02E-07	3.57E-08	4.83E-08	0.00E+00	8.40E-08
1403	440603.55	3768103.17	4.3344E-07	0.000000488	0.00E+00	9.21E-07	4.89E-07	7.09E-07	0.00E+00	1.20E-06	8.19E-08	1.21E-07	0.00E+00	2.03E-07	3.58E-08	4.84E-08	0.00E+00	8.43E-08
1404	440607.32	3768094.04	4.3446E-07	4.8915E-07	0.00E+00	9.24E-07	4.90E-07	7.11E-07	0.00E+00	1.20E-06	8.21E-08	1.21E-07	0.00E+00	2.03E-07	3.59E-08	4.86E-08	0.00E+00	8.45E-08
1405	440611.09	3768084.92	4.3521E-07	4.8998E-07	0.00E+00	9.25E-07	4.91E-07	7.12E-07	0.00E+00	1.20E-06	8.23E-08	1.21E-07	0.00E+00	2.04E-07	3.60E-08	4.86E-08	0.00E+00	8.46E-08
1406	440614.86	3768075.79	4.3574E-07	4.9058E-07	0.00E+00	9.26E-07	4.91E-07	7.13E-07	0.00E+00	1.20E-06	8.24E-08	1.22E-07	0.00E+00	2.04E-07	3.60E-08	4.87E-08	0.00E+00	8.47E-08
1407	440618.64	3768066.66	4.3613E-07	4.9102E-07	0.00E+00	9.27E-07	4.92E-07	7.14E-07	0.00E+00	1.21E-06	8.24E-08	1.22E-07	0.00E+00	2.04E-07	3.61E-08	4.87E-08	0.00E+00	8.48E-08
1408	440629.96	3768039.27	4.3518E-07	4.8996E-07	0.00E+00	9.25E-07	4.91E-07	7.12E-07	0.00E+00	1.20E-06	8.23E-08	1.21E-07	0.00E+00	2.04E-07	3.60E-08	4.86E-08	0.00E+00	8.46E-08
1409	440633.73	3768030.15	4.3437E-07	4.8904E-07	0.00E+00	9.23E-07	4.90E-07	7.11E-07	0.00E+00	1.20E-06	8.21E-08	1.21E-07	0.00E+00	2.03E-07	3.59E-08	4.85E-08	0.00E+00	8.45E-08
1410	440637.5	3768021.02	4.334E-07	4.8795E-07	0.00E+00	9.21E-07	4.89E-07	7.09E-07	0.00E+00	1.20E-06	8.19E-08	1.21E-07	0.00E+00	2.03E-07	3.58E-08	4.84E-08	0.00E+00	8.43E-08
1411	440641.27	3768011.89	4.3231E-07	4.8672E-07	0.00E+00	9.19E-07	4.87E-07	7.08E-07	0.00E+00	1.19E-06	8.17E-08	1.21E-07	0.00E+00	2.02E-07	3.57E-08	4.83E-08	0.00E+00	8.41E-08
1412	440654.19	3767999.01	4.3559E-07	4.9041E-07	0.00E+00	9.26E-07	4.91E-07	7.13E-07	0.00E+00	1.20E-06	8.23E-08	1.22E-07	0.00E+00	2.04E-07	3.60E-08	4.87E-08	0.00E+00	8.47E-08
1413	440919.23	3767890.38	4.7333E-07	5.329E-07	0.00E+00	1.01E-06	5.34E-07	7.75E-07	0.00E+00	1.31E-06	8.95E-08	1.32E-07	0.00E+00	2.22E-07	3.91E-08	5.29E-08	0.00E+00	9.20E-08
1414	440983.2	3767864.16	4.5132E-07	5.0813E-07	0.00E+00	9.59E-07	5.09E-07	7.39E-07	0.00E+00	1.25E-06	8.53E-08	1.26E-07	0.00E+00	2.11E-07	3.73E-08	5.04E-08	0.00E+00	8.78E-08
1415	440992.34	3767860.42	4.4733E-07	5.0364E-07	0.00E+00	9.51E-07	5.04E-07	7.32E-07	0.00E+00	1.24E-06	8.46E-08	1.25E-07	0.00E+00	2.09E-07	3.70E-08	5.00E-08	0.00E+00	8.70E-08
1416	441001.48	3767856.67	4.4296E-07	4.9872E-07	0.00E+00	9.42E-07	4.99E-07	7.25E-07	0.00E+00	1.22E-06	8.37E-08	1.24E-07	0.00E+00	2.07E-07	3.66E-08	4.95E-08	0.00E+00	8.61E-08
1417	440392.38	3768654.28	2.5128E-07	2.8291E-07	0.00E+00	5.34E-07	2.83E-07	4.11E-07	0.00E+00	6.94E-07	4.75E-08	7.01E-08	0.00E+00	1.18E-07	2.08E-08	2.81E-08	0.00E+00	4.89E-08
1418	440392.41	3768664.27	2.4874E-07	2.8005E-07	0.00E+00	5.29E-07	2.80E-07	4.07E-07	0.00E+00	6.87E-07	4.70E-08	6.94E-08	0.00E+00	1.16E-07	2.06E-08	2.78E-08	0.00E+00	4.84E-08
1419	440392.44	3768674.25	2.4611E-07	2.7708E-07	0.00E+00	5.23E-07	2.77E-07	4.03E-07	0.00E+00	6.80E-07	4.65E-08	6.87E-08	0.00E+00	1.15E-07	2.03E-08	2.75E-08	0.00E+00	4.79E-08
1420	440392.47	3768684.23	2.4341E-07	2.7405E-07	0.00E+00	5.17E-07	2.74E-07	3.98E-07	0.00E+00	6.73E-07	4.60E-08	6.79E-08	0.00E+00	1.14E-07	2.01E-08	2.72E-08	0.00E+00	4.73E-08
1421	440392.5	3768694.21	2.4074E-07	2.7104E-07	0.00E+00	5.12E-07	2.71E-07	3.94E-07	0.00E+00	6.65E-07	4.55E-08	6.72E-08	0.00E+00	1.13E-07	1.99E-08	2.69E-08	0.00E+00	4.68E-08
1422	440392.53	3768704.19	2.3806E-07	2.6802E-07	0.00E+00	5.06E-07	2.68E-07	3.90E-07	0.00E+00	6.58E-07	4.50E-08	6.64E-08	0.00E+00	1.11E-07	1.97E-08	2.66E-08	0.00E+00	4.63E-08
1423	440392.56	3768714.18	2.3534E-07	2.6496E-07	0.00E+00	5.00E-07	2.65E-07	3.85E-07	0.00E+00	6.50E-07	4.45E-08	6.57E-08	0.00E+00	1.10E-07	1.95E-08	2.63E-08	0.00E+00	4.58E-08
1424	440392.59	3768724.16	2.3262E-07	2.619E-07	0.00E+00	4.95E-07	2.62E-07	3.81E-07	0.00E+00	6.43E-07	4.40E-08	6.49E-08	0.00E+00	1.09E-07	1.92E-08	2.60E-08	0.00E+00	4.52E-08
1425	440392.62	3768734.14	2.2984E-07	2.5876E-07	0.00E+00	4.89E-07	2.59E-07	3.76E-07	0.00E+00	6.35E-07	4.35E-08	6.41E-08	0.00E+00	1.08E-07	1.90E-08	2.57E-08	0.00E+00	4.47E-08
1426	440392.65	3768744.12	2.2706E-07	2.5564E-07	0.00E+00	4.83E-07	2.56E-07	3.72E-07	0.00E+00	6.28E-07	4.29E-08	6.34E-08	0.00E+00	1.06E-07	1.88E-08	2.54E-08	0.00E+00	4.42E-08
1427	440392.68	3768754.11	2.2426E-07	2.5249E-07	0.00E+00	4.77E-07	2.53E-07	3.67E-07	0.00E+00	6.20E-07	4.24E-08	6.26E-08	0.00E+00	1.05E-07	1.85E-08	2.51E-08	0.00E+00	4.36E-08
1428	440392.71	3768764.09	2.2145E-07	2.4932E-07	0.00E+00	4.71E-07	2.50E-07	3.62E-07	0.00E+00	6.12E-07	4.19E-08	6.18E-08	0.00E+00	1.04E-07	1.83E-08	2.48E-08	0.00E+00	4.31E-08
1429	440392.74	3768774.07	2.1864E-07	2.4616E-07	0.00E+00	4.65E-07	2.46E-07	3.58E-07	0.00E+00	6.04E-07	4.13E-08	6.10E-08	0.00E+00	1.02E-07	1.81E-08	2.44E-08	0.00E+00	4.25E-08
1430	440392.77	3768784.05	2.1588E-07	2.4305E-07	0.00E+00	4.59E-07	2.43E-07	3.53E-07	0.00E+00	5.97E-07	4.08E-08	6.02E-08	0.00E+00	1.01E-07	1.79E-08	2.41E-08	0.00E+00	4.20E-08
1431	440392.8	3768794.03	2.1315E-07	2.3998E-07	0.00E+00	4.53E-07	2.40E-07	3.49E-07	0.00E+00	5.89E-07	4.03E-08	5.95E-08	0.00E+00	9.98E-08	1.76E-08	2.38E-08	0.00E+00	4.14E-08
1432	440363.6	3768587.04	2.5377E-07	2.8571E-07	0.00E+00	5.39E-07	2.86E-07	4.15E-07	0.00E+00	7.01E-07	4.80E-08	7.08E-08	0.00E+00	1.19E-07	2.10E-08	2.84E-08	0.00E+00	4.93E-08
1433	440367.38	3768577.9	2.5738E-07	2.8977E-07	0.00E+00	5.47E-07	2.90E-07	4.21E-07	0.00E+00	7.11E-07	4.87E-08	7.18E-08	0.00E+00	1.20E-07	2.13E-08	2.88E-08	0.00E+00	5.00E-08
1434	440594.13	3768029.3	4.0742E-07	4.587E-07	0.00E+00	8.66E-07	4.59E-07	6.67E-07	0.00E+00	1.13E-06	7.70E-08	1.14E-07	0.00E+00	1.91E-07	3.37E-08	4.55E-08	0.00E+00	7.92E-08
1435	440597.91	3768020.15	4.0717E-07	4.5842E-07	0.00E+00	8.66E-07	4.59E-07	6.66E-07	0.00E+00	1.13E-06	7.70E-08	1.14E-07	0.00E+00	1.91E-07	3.37E-08	4.55E-08	0.00E+00	7.92E-08
1436	440601.69	3768011.01	4.0675E-07	4.5795E-07	0.00E+00	8.65E-07	4.58E-07	6.66E-07	0.00E+00	1.12E-06	7.69E-08	1.13E-07	0.00E+00	1.90E-07	3.36E-08	4.55E-08	0.00E+00	7.91E-08
1437	440605.47	3768001.86	4.0617E-07	4.5729E-07	0.00E+00	8.63E-07	4.58E-07	6.65E-07	0.00E+00	1.12E-06	7.68E-08	1.13E-07	0.00E+00	1.90E-07	3.36E-08	4.54E-08	0.00E+00	7.90E-08
1438	440352.41	3768664.39	2.3203E-07	2.6123E-07	0.00E+00	4.93E-07	2.62E-07	3.80E-07	0.00E+00	6.41E-07	4.39E-08	6.47E-08	0.00E+00	1.09E-07	1.92E-08	2.59E-08	0.00E+00	4.51E-08
1439	440352.44	3768674.37	2.297E-07	2.5862E-07	0.00E+00	4.88E-07	2.59E-07	3.76E-07	0.00E+00	6.35E-07	4.34E-08	6.41E-08	0.00E+00	1.08E-07	1.90E-08	2.57E-08	0.00E+00	4.47E-08
1440	440352.47	3768684.35	2.2733E-07	2.5594E-07	0.00E+00	4.83E-07	2.56E-07	3.72E-07	0.00E+00	6.28E-07	4.30E-08	6.34E-08	0.00E+00	1.06E-07	1.88E-08	2.54E-08	0.00E+00	4.42E-08
1441	440352.5	3768694.33	2.2497E-07	2.5328E-07	0.00E+00	4.78E-07	2.54E-07	3.68E-07	0.00E+00	6.22E-07	4.25E-08	6.28E-08	0.00E+00	1.05E-07	1.86E-08	2.51E-08	0.00E+00	4.37E-08
1442	440352.53	3768704.31	2.2259E-07	2.5061E-07	0.00E+00	4.73E-07	2.51E-07	3.64E-07	0.00E+00	6.15E-07	4.21E-08	6.21E-08	0.00E+00	1.04E-07	1.84E-08	2.49E-08	0.00E+00	4.33E-08
1443	440352.56	3768714.3	2.202E-07	2.4791E-07	0.00E+00	4.68E-07	2.48E-07	3.60E-07	0.00E+00	6.09E-07	4.16E-08	6.14E-08	0.00E+00	1.03E-07	1.82E-08	2.46E-08	0.00E+00	4.28E-08
1444	440352.59	3768724.28	2.1777E-07	2.4518E-07	0.00E+00	4.63E-07	2.45E-07	3.56E-07	0.00E+00	6.02E-07	4.12E-08	6.08E-08	0.00E+00	1.02E-07	1.80E-08	2.43E-08	0.00E+00	4.23E-08
1445	440352.62	3768734.26	2.153E-07	2.424E-07	0.00E+00	4.58E-07	2.43E-07	3.52E-07	0.00E+00	5.95E-07	4.07E-08	6.01E-08	0.00E+00	1.01E-07	1.78E-08	2.41E-08	0.00E+00	4.19E-08
1446	440352.65	3768744.24	2.1282E-07	2.3961E-07	0.00E+00	4.52E-07	2.40E-07	3.48E-07	0.00E+00	5.88E-07	4.02E-08	5.94E-08	0.00E+00	9.96E-08	1.76E-08	2.38E-08	0.00E+00	4.14E-08
1447	440352.68	3768754.23	2.1032E-07	2.3679E-07	0.00E+00	4.47E-07	2.37E-07	3.44E-07	0.00E+00	5.81E-07	3.98E-08	5.87E-08	0.00E+00	9.84E-08	1.74E-08	2.35E-08	0.00E+00	4.09E-08
1448	440352.71	3768764.21	2.0782E-07	2.3397E-07	0.00E+00	4.42E-07	2.34E-07	3.40E-07	0.00E+00	5.74E-07	3.93E-08	5.80E-08	0.00E+00	9.73E-08	1.72E-08	2.32E-08	0.00E+00	4.04E-08
1449	440352.74	3768774.19	2.053E-07	2.3114E-07	0.00E+00	4.36E-07	2.31E-07	3.36E-07	0.00E+00	5.67E-07	3.88E-08	5.73E-08	0.00E+00	9.61E-08	1.70E-08	2.29E-08	0.00E+00	3.99E-08
1450	440352.77	3768784.17	2.0278E-07	2.2831E-07	0.00E+00	4.31E-07	2.29E-07	3.32E-07	0.00E+00	5.60E-07	3.83E-08	5.66E-08	0.00E+00	9.49E-08	1.68E-08	2.27E-08	0.00E+00	3.94E-08
1451	440352.8	3768794.15	2.0026E-07	2.2547E-07	0.00E+00	4.26E-07	2.26E-07	3.28E-07	0.00E+00	5.53E-07	3.79E-08	5.59E-08	0.00E+00	9.37E-08	1.66E-08	2.24E-08	0.00E+00	3.89E-08
1452	441181.62	3768812.85	2.2738E-06	0.00000256	0.00E+00	4.83E-06	2.56E-06	3.72E-06	0.00E+00	6.28E-06	4.30E-07	6.34E-07	0.00E+00	1.06E-06	1.88E-07	2.54E-07	0.00E+00	4.42E-07
1453	441161.62	3768812.91	1.9825E-06	2.2321E-06	0.00E+00	4.21E-06	2.23E-06	3.24E-06	0.00E+00	5.48E-06	3.75E-07	5.53E-07	0.00E+00	9.28E-07	1.64E-07	2.22E-07	0.00E+00	3.86E-07
1454	441147.5	3768827.07	1.6346E-06	1.8403E-06	0.00E+00	3.47E-06	1.84E-06	2.68E-06	0.00E+00	4.52E-06	3.09E-07	4.56E-07	0.00E+00	7.65E-07	1.35E-07	1.83E-07	0.00E+00	3.18E-07
1455	441141.62	3768812.97	1.7465E-06	1.9663E-06	0.00E+00	3.71E-06	1.97E-06	2.86E-06	0.00E+00	4.83E-06	3.30E-07	4.87E-07	0.00E+00	8.17E-07	1.44E-07	1.95E-07	0.00E+00	3.40E-07
1456	441127.5	3768827.13	1.4639E-06	1.6482E-06	0.00E+00	3.11E-06	1.65E-06	2.40E-06	0.00E+00	4.05E-06	2.77E-07	4.08E-07	0.00E+00	6.85E-07	1.21E-07	1.64E-07	0.00E+00	2.85E-07
1457	441121.62	3768813.03	1.5525E-06	1.7479E-06	0.00E+00	3.30E-06	1.75E-06	2.54E-06	0.00E+00	4.29E-06	2.93E-07	4.33E-07	0.00E+00	7.27E-07	1.28E-07	1.74E-07	0.00E+00	3.02E-07
1458	441113.38	3768841.29	1.2478E-06	1.4049E-06	0.00E+00	2.65E-06	1.41E-06	2.04E-06	0.00E+00	3.45E-06	2.36E-07	3.48E-07	0.00E+00	5.84E-07	1.03E-07	1.39E-07	0.00E+00	2.43E-07
1459	441107.5	3768827.19	1.3209E-06	1.4872E-06	0.00E+00	2.81E-06	1.49E-06	2.16E-06	0.00E+00	3.65E-06	2.50E-07	3.69E-07	0.00E+00	6.18E-07	1.09E-07	1.48E-07	0.00E+00	2.57E-07
1460	441101.62	3768813.09	1.3926E-06	1.5678E-06	0.00E+00	2.96E-06	1.57E-06	2.28E-06	0.00E+00	3.85E-06	2.63E-07	3.89E-07	0.00E+00	6.52E-07	1.15E-07	1.56E-07	0.00E+00	2.71E-07
1461	441093.38	3768841.35	1.1391E-06	1.2825E-06	0.00E+00	2.42E-06	1.28E-06	1.86E-06	0.00E+00	3.15E-06	2.15E-07	3.18E-07	0.00E+00	5.33E-07	9.42E-08	1.27E-07	0.00E+00	2.22E-07
1462	441087.5	3768827.25	1.1996E-06	1.3506E-06	0.00E+00	2.55E-06	1.35E-06	1.96E-06	0.00E+00	3.32E-06	2.27E-07	3.35E-07	0.00E+00	5.61E-07	9.92E-08	1.34E-07	0.00E+00	2.33E-07
1463	441021.58	3768909.3	6.3875E-07	7.1914E-07	0.00E+00	1.36E-06	7.20E-07	1.05E-06	0.00E+00	1.77E-06	1.21E-07	1.78E-07	0.00E+00	2.99E-07	5.28E-08	7.14E-08	0.00E+00	1.24E-07
1464	441015.48	3768894.67	6.6638E-07	7.5025E-07	0.00E+00	1.42E-06	7.51E-07	1.09E-06	0.00E+00	1.84E-06	1.26E-07	1.86E-07	0.00E+00	3.12E-07	5.51E-08	7.45E-08	0.00E+00	1.30E-07
1465	441001.46	3768909.07	6.0392E-07	6.7993E-07	0.00E+00	1.28E-06	6.81E-07	9.88E-07	0.00E+00	1.67E-06	1.14E-07	1.69E-07	0.00E+00	2.83E-07	4.99E-08	6.75E-08	0.00E+00	1.17E-07
1466	440995.37	3768894.48	6.2837E-07	7.0746E-07	0.00E+00	1.34E-06	7.08E-07	1.03E-06	0.00E+00	1.74E-06	1.19E-07	1.75E-07	0.00E+00	2.94E-07	5.20E-08	7.02E-08	0.00E+00	1.22E-07
1467	440967.32	3768923.25	5.2228E-07	5.8802E-07	0.00E+00	1.11E-06	5.89E-07	8.55E-07	0.00E+00	1.44E-06	9.87E-08	1.46E-07	0.00E+00	2.44E-07	4.32E-08	5.84E-08	0.00E+00	1.02E-07
1468	440961.26	3768908.72	5.4156E-07	6.0973E-07	0.00E+00	1.15E-06	6.10E-07	8.86E-07	0.00E+00	1.50E-06	1.02E-07	1.51E-07	0.00E+00	2.53E-07	4.48E-08	6.05E-08	0.00E+00	1.05E-07
1469	440955.2	3768894.19	5.6136E-07	6.3201E-07	0.00E+00	1.19E-06	6.33E-07	9.19E-07	0.00E+00	1.55E-06	1.06E-07	1.57E-07	0.00E+00	2.63E-07	4.64E-08	6.27E-08	0.00E+00	1.09E-07
1470	440921.11	3768908.47	4.8914E-07	5.507E-07	0.00E+00	1.04E-06	5.51E-07	8.01E-07	0.00E+00	1.35E-06	9.25E-08	1.36E-07	0.00E+00	2.29E-07	4.04E-08	5.47E-08	0.00E+00	9.51E-08
1471	440915.07	3768893.98	5.0503E-07	5.686E-07	0.00E+00	1.07E-06	5.69E-07	8.27E-07	0.00E+00	1.40E-06	9.55E-08	1.41E-07	0.00E+00	2.36E-07	4.18E-08	5.64E-08	0.00E+00	9.82E-08
1472	440879.1	3768903.78	4.4789E-07	5.0426E-07	0.00E+00	9.52E-07	5.05E-07	7.33E-07	0.00E+00	1.24E-06	8.47E-08	1.25E-07	0.00E+00	2.10E-07	3.70E-08	5.01E-08	0.00E+00	8.71E-08
1473	440872.93	3768888.97	4.612E-07	5.1924E-07	0.00E+00	9.80E-07	5.20E-07	7.55E-07	0.00E+00	1.27E-06	8.72E-08	1.29E-07	0.00E+00	2.16E-07	3.81E-08	5.15E-08	0.00E+00	8.97E-08

1474	441230.66	3769242.3	2.6688E-07	3.0047E-07	0.00E+00	5.67E-07	3.01E-07	4.37E-07	0.00E+00	7.38E-07	5.05E-08	7.45E-08	0.00E+00	1.25E-07	2.21E-08	2.98E-08	0.00E+00	5.19E-08
1475	441215.89	3769236.2	2.6886E-07	3.027E-07	0.00E+00	5.72E-07	3.03E-07	4.40E-07	0.00E+00	7.43E-07	5.08E-08	7.50E-08	0.00E+00	1.26E-07	2.22E-08	3.01E-08	0.00E+00	5.23E-08
1476	441201.13	3769230.09	2.7069E-07	3.0476E-07	0.00E+00	5.75E-07	3.05E-07	4.43E-07	0.00E+00	7.48E-07	5.12E-08	7.55E-08	0.00E+00	1.27E-07	2.24E-08	3.03E-08	0.00E+00	5.26E-08
1477	441186.37	3769223.99	2.7206E-07	3.0631E-07	0.00E+00	5.78E-07	3.07E-07	4.45E-07	0.00E+00	7.52E-07	5.14E-08	7.59E-08	0.00E+00	1.27E-07	2.25E-08	3.04E-08	0.00E+00	5.29E-08
1478	441171.61	3769217.89	2.733E-07	3.0769E-07	0.00E+00	5.81E-07	3.08E-07	4.47E-07	0.00E+00	7.55E-07	5.17E-08	7.63E-08	0.00E+00	1.28E-07	2.26E-08	3.05E-08	0.00E+00	5.31E-08
1479	441156.84	3769211.79	2.7244E-07	3.0674E-07	0.00E+00	5.79E-07	3.07E-07	4.46E-07	0.00E+00	7.53E-07	5.15E-08	7.60E-08	0.00E+00	1.28E-07	2.25E-08	3.05E-08	0.00E+00	5.30E-08
1480	441260.86	3769251.45	2.6595E-07	2.9942E-07	0.00E+00	5.65E-07	3.00E-07	4.35E-07	0.00E+00	7.35E-07	5.03E-08	7.42E-08	0.00E+00	1.24E-07	2.20E-08	2.97E-08	0.00E+00	5.17E-08
1481	441276.98	3769251.45	2.6936E-07	3.0326E-07	0.00E+00	5.73E-07	3.04E-07	4.41E-07	0.00E+00	7.44E-07	5.09E-08	7.52E-08	0.00E+00	1.26E-07	2.23E-08	3.01E-08	0.00E+00	5.24E-08
1482	441186.61	3769264.09	2.3928E-07	2.694E-07	0.00E+00	5.09E-07	2.70E-07	3.92E-07	0.00E+00	6.61E-07	4.52E-08	6.68E-08	0.00E+00	1.12E-07	1.98E-08	2.67E-08	0.00E+00	4.65E-08
1483	441171.9	3769258.01	2.4115E-07	2.7151E-07	0.00E+00	5.13E-07	2.72E-07	3.95E-07	0.00E+00	6.66E-07	4.56E-08	6.73E-08	0.00E+00	1.13E-07	1.99E-08	2.70E-08	0.00E+00	4.69E-08
1484	441157.19	3769251.93	2.4255E-07	2.7308E-07	0.00E+00	5.16E-07	2.73E-07	3.97E-07	0.00E+00	6.70E-07	4.59E-08	6.77E-08	0.00E+00	1.14E-07	2.01E-08	2.71E-08	0.00E+00	4.72E-08
1485	441142.48	3769245.85	2.4362E-07	2.7428E-07	0.00E+00	5.18E-07	2.75E-07	3.99E-07	0.00E+00	6.73E-07	4.61E-08	6.80E-08	0.00E+00	1.14E-07	2.01E-08	2.72E-08	0.00E+00	4.74E-08
1486	441127.77	3769239.77	2.4431E-07	2.7506E-07	0.00E+00	5.19E-07	2.75E-07	4.00E-07	0.00E+00	6.75E-07	4.62E-08	6.82E-08	0.00E+00	1.14E-07	2.02E-08	2.73E-08	0.00E+00	4.75E-08
1487	441113.06	3769233.69	2.4476E-07	2.7557E-07	0.00E+00	5.20E-07	2.76E-07	4.01E-07	0.00E+00	6.76E-07	4.63E-08	6.83E-08	0.00E+00	1.15E-07	2.02E-08	2.74E-08	0.00E+00	4.76E-08
1488	441098.35	3769227.61	2.4527E-07	2.7614E-07	0.00E+00	5.21E-07	2.76E-07	4.01E-07	0.00E+00	6.78E-07	4.64E-08	6.84E-08	0.00E+00	1.15E-07	2.03E-08	2.74E-08	0.00E+00	4.77E-08
1489	441083.64	3769221.53	2.4554E-07	2.7644E-07	0.00E+00	5.22E-07	2.77E-07	4.02E-07	0.00E+00	6.79E-07	4.64E-08	6.85E-08	0.00E+00	1.15E-07	2.03E-08	2.74E-08	0.00E+00	4.77E-08
1490	441068.93	3769215.45	2.4581E-07	2.7674E-07	0.00E+00	5.23E-07	2.77E-07	4.02E-07	0.00E+00	6.79E-07	4.65E-08	6.86E-08	0.00E+00	1.15E-07	2.03E-08	2.75E-08	0.00E+00	4.78E-08
1491	441054.23	3769209.37	2.4602E-07	2.7699E-07	0.00E+00	5.23E-07	2.77E-07	4.03E-07	0.00E+00	6.80E-07	4.65E-08	6.86E-08	0.00E+00	1.15E-07	2.03E-08	2.75E-08	0.00E+00	4.78E-08
1492	440798.73	3768903.13	3.7361E-07	4.2063E-07	0.00E+00	7.94E-07	4.21E-07	6.11E-07	0.00E+00	1.03E-06	7.06E-08	1.04E-07	0.00E+00	1.75E-07	3.09E-08	4.18E-08	0.00E+00	7.27E-08
1493	440786.48	3768873.75	3.9159E-07	4.4088E-07	0.00E+00	8.32E-07	4.41E-07	6.41E-07	0.00E+00	1.08E-06	7.40E-08	1.09E-07	0.00E+00	1.83E-07	3.24E-08	4.38E-08	0.00E+00	7.61E-08
1494	441084.16	3769261.75	2.213E-07	2.4916E-07	0.00E+00	4.70E-07	2.49E-07	3.62E-07	0.00E+00	6.12E-07	4.18E-08	6.17E-08	0.00E+00	1.04E-07	1.83E-08	2.47E-08	0.00E+00	4.30E-08
1495	441069.5	3769255.69	2.2173E-07	2.4964E-07	0.00E+00	4.71E-07	2.50E-07	3.63E-07	0.00E+00	6.13E-07	4.19E-08	6.19E-08	0.00E+00	1.04E-07	1.83E-08	2.48E-08	0.00E+00	4.31E-08
1496	441054.84	3769249.62	2.2185E-07	2.4977E-07	0.00E+00	4.72E-07	2.50E-07	3.63E-07	0.00E+00	6.13E-07	4.19E-08	6.19E-08	0.00E+00	1.04E-07	1.83E-08	2.48E-08	0.00E+00	4.31E-08
1497	441040.17	3769243.56	2.2167E-07	2.4957E-07	0.00E+00	4.71E-07	2.50E-07	3.63E-07	0.00E+00	6.13E-07	4.19E-08	6.18E-08	0.00E+00	1.04E-07	1.83E-08	2.48E-08	0.00E+00	4.31E-08
1498	441025.51	3769237.5	2.2151E-07	2.4939E-07	0.00E+00	4.71E-07	2.50E-07	3.63E-07	0.00E+00	6.12E-07	4.19E-08	6.18E-08	0.00E+00	1.04E-07	1.83E-08	2.48E-08	0.00E+00	4.31E-08
1499	441010.84	3769231.44	2.2128E-07	2.4914E-07	0.00E+00	4.70E-07	2.49E-07	3.62E-07	0.00E+00	6.12E-07	4.18E-08	6.17E-08	0.00E+00	1.04E-07	1.83E-08	2.47E-08	0.00E+00	4.30E-08
1500	440996.18	3769225.38	2.2063E-07	2.484E-07	0.00E+00	4.69E-07	2.49E-07	3.61E-07	0.00E+00	6.10E-07	4.17E-08	6.16E-08	0.00E+00	1.03E-07	1.82E-08	2.47E-08	0.00E+00	4.29E-08
1501	440981.52	3769219.32	2.196E-07	2.4723E-07	0.00E+00	4.67E-07	2.48E-07	3.59E-07	0.00E+00	6.07E-07	4.15E-08	6.13E-08	0.00E+00	1.03E-07	1.82E-08	2.45E-08	0.00E+00	4.27E-08
1502	440966.85	3769213.26	2.1874E-07	2.4627E-07	0.00E+00	4.65E-07	2.47E-07	3.58E-07	0.00E+00	6.05E-07	4.14E-08	6.10E-08	0.00E+00	1.02E-07	1.81E-08	2.44E-08	0.00E+00	4.25E-08
1503	440952.19	3769207.2	2.1834E-07	2.4582E-07	0.00E+00	4.64E-07	2.46E-07	3.57E-07	0.00E+00	6.03E-07	4.13E-08	6.09E-08	0.00E+00	1.02E-07	1.81E-08	2.44E-08	0.00E+00	4.25E-08
1504	440937.52	3769201.14	2.1774E-07	2.4515E-07	0.00E+00	4.63E-07	2.45E-07	3.56E-07	0.00E+00	6.02E-07	4.12E-08	6.08E-08	0.00E+00	1.02E-07	1.80E-08	2.43E-08	0.00E+00	4.23E-08
1505	440770.8	3768932.21	3.2798E-07	3.6926E-07	0.00E+00	6.97E-07	3.70E-07	5.37E-07	0.00E+00	9.06E-07	6.20E-08	9.15E-08	0.00E+00	1.54E-07	2.71E-08	3.67E-08	0.00E+00	6.38E-08
1506	440764.7	3768917.56	3.3575E-07	3.7801E-07	0.00E+00	7.14E-07	3.78E-07	5.49E-07	0.00E+00	9.28E-07	6.35E-08	9.37E-08	0.00E+00	1.57E-07	2.78E-08	3.75E-08	0.00E+00	6.53E-08
1507	440758.59	3768902.92	3.4336E-07	3.8657E-07	0.00E+00	7.30E-07	3.87E-07	5.62E-07	0.00E+00	9.49E-07	6.49E-08	9.58E-08	0.00E+00	1.61E-07	2.84E-08	3.84E-08	0.00E+00	6.68E-08
1508	441066.66	3769294.51	2.0047E-07	2.257E-07	0.00E+00	4.26E-07	2.26E-07	3.28E-07	0.00E+00	5.54E-07	3.79E-08	5.59E-08	0.00E+00	9.38E-08	1.66E-08	2.24E-08	0.00E+00	3.90E-08
1509	441051.77	3769288.36	2.006E-07	2.2585E-07	0.00E+00	4.26E-07	2.26E-07	3.28E-07	0.00E+00	5.54E-07	3.79E-08	5.60E-08	0.00E+00	9.39E-08	1.66E-08	2.24E-08	0.00E+00	3.90E-08
1510	441036.88	3769282.2	2.0081E-07	2.2609E-07	0.00E+00	4.27E-07	2.26E-07	3.29E-07	0.00E+00	5.55E-07	3.80E-08	5.60E-08	0.00E+00	9.40E-08	1.66E-08	2.24E-08	0.00E+00	3.90E-08
1511	441021.99	3769276.05	2.0076E-07	2.2603E-07	0.00E+00	4.27E-07	2.26E-07	3.29E-07	0.00E+00	5.55E-07	3.80E-08	5.60E-08	0.00E+00	9.40E-08	1.66E-08	2.24E-08	0.00E+00	3.90E-08
1512	441007.1	3769269.89	2.0059E-07	2.2584E-07	0.00E+00	4.26E-07	2.26E-07	3.28E-07	0.00E+00	5.54E-07	3.79E-08	5.60E-08	0.00E+00	9.39E-08	1.66E-08	2.24E-08	0.00E+00	3.90E-08
1513	440992.21	3769263.74	1.9998E-07	2.2515E-07	0.00E+00	4.25E-07	2.25E-07	3.27E-07	0.00E+00	5.53E-07	3.78E-08	5.58E-08	0.00E+00	9.36E-08	1.65E-08	2.24E-08	0.00E+00	3.89E-08
1514	440947.53	3769245.27	1.9812E-07	2.2306E-07	0.00E+00	4.21E-07	2.23E-07	3.24E-07	0.00E+00	5.48E-07	3.75E-08	5.53E-08	0.00E+00	9.27E-08	1.64E-08	2.21E-08	0.00E+00	3.85E-08
1515	440932.64	3769239.12	1.9774E-07	2.2263E-07	0.00E+00	4.20E-07	2.23E-07	3.24E-07	0.00E+00	5.47E-07	3.74E-08	5.52E-08	0.00E+00	9.26E-08	1.64E-08	2.21E-08	0.00E+00	3.85E-08
1516	440917.75	3769232.96	1.971E-07	2.219E-07	0.00E+00	4.19E-07	2.22E-07	3.23E-07	0.00E+00	5.45E-07	3.73E-08	5.50E-08	0.00E+00	9.23E-08	1.63E-08	2.20E-08	0.00E+00	3.83E-08
1517	440902.86	3769226.81	1.9604E-07	2.2071E-07	0.00E+00	4.17E-07	2.21E-07	3.21E-07	0.00E+00	5.42E-07	3.71E-08	5.47E-08	0.00E+00	9.18E-08	1.62E-08	2.19E-08	0.00E+00	3.81E-08
1518	440887.97	3769220.65	1.9469E-07	2.192E-07	0.00E+00	4.14E-07	2.19E-07	3.19E-07	0.00E+00	5.38E-07	3.68E-08	5.43E-08	0.00E+00	9.11E-08	1.61E-08	2.18E-08	0.00E+00	3.79E-08
1519	440873.08	3769214.5	1.934E-07	2.1774E-07	0.00E+00	4.11E-07	2.18E-07	3.17E-07	0.00E+00	5.35E-07	3.66E-08	5.40E-08	0.00E+00	9.05E-08	1.60E-08	2.16E-08	0.00E+00	3.76E-08
1520	440858.19	3769208.34	1.9206E-07	2.1623E-07	0.00E+00	4.08E-07	2.16E-07	3.14E-07	0.00E+00	5.31E-07	3.63E-08	5.36E-08	0.00E+00	8.99E-08	1.59E-08	2.15E-08	0.00E+00	3.73E-08
1521	440734.8	3768941.92	2.9912E-07	3.3677E-07	0.00E+00	6.36E-07	3.37E-07	4.90E-07	0.00E+00	8.27E-07	5.65E-08	8.35E-08	0.00E+00	1.40E-07	2.47E-08	3.34E-08	0.00E+00	5.82E-08
1522	440728.6	3768927.05	3.0593E-07	3.4443E-07	0.00E+00	6.50E-07	3.45E-07	5.01E-07	0.00E+00	8.46E-07	5.78E-08	8.54E-08	0.00E+00	1.43E-07	2.53E-08	3.42E-08	0.00E+00	5.95E-08
1523	440722.4	3768912.17	3.1261E-07	3.5196E-07	0.00E+00	6.65E-07	3.52E-07	5.12E-07	0.00E+00	8.64E-07	5.91E-08	8.72E-08	0.00E+00	1.46E-07	2.58E-08	3.49E-08	0.00E+00	6.08E-08
1524	440716.2	3768897.3	3.1914E-07	3.5931E-07	0.00E+00	6.78E-07	3.60E-07	5.22E-07	0.00E+00	8.82E-07	6.03E-08	8.90E-08	0.00E+00	1.49E-07	2.64E-08	3.57E-08	0.00E+00	6.21E-08
1525	441007.96	3769310.25	1.8304E-07	2.0608E-07	0.00E+00	3.89E-07	2.06E-07	3.00E-07	0.00E+00	5.06E-07	3.46E-08	5.11E-08	0.00E+00	8.57E-08	1.51E-08	2.05E-08	0.00E+00	3.56E-08
1526	440993.12	3769304.12	1.8276E-07	2.0577E-07	0.00E+00	3.89E-07	2.06E-07	2.99E-07	0.00E+00	5.05E-07	3.46E-08	5.10E-08	0.00E+00	8.55E-08	1.51E-08	2.04E-08	0.00E+00	3.55E-08
1527	440978.28	3769297.98	1.8199E-07	2.0489E-07	0.00E+00	3.87E-07	2.05E-07	2.98E-07	0.00E+00	5.03E-07	3.44E-08	5.08E-08	0.00E+00	8.52E-08	1.50E-08	2.03E-08	0.00E+00	3.54E-08
1528	440859.57	3769248.91	1.7726E-07	1.9957E-07	0.00E+00	3.77E-07	2.00E-07	2.90E-07	0.00E+00	4.90E-07	3.35E-08	4.95E-08	0.00E+00	8.30E-08	1.47E-08	1.98E-08	0.00E+00	3.45E-08
1529	440844.73	3769242.78	1.7605E-07	1.9821E-07	0.00E+00	3.74E-07	1.98E-07	2.88E-07	0.00E+00	4.87E-07	3.33E-08	4.91E-08	0.00E+00	8.24E-08	1.46E-08	1.97E-08	0.00E+00	3.42E-08
1530	440829.89	3769236.65	1.7498E-07	0.000000197	0.00E+00	3.72E-07	1.97E-07	2.86E-07	0.00E+00	4.84E-07	3.31E-08	4.88E-08	0.00E+00	8.19E-08	1.45E-08	1.96E-08	0.00E+00	3.40E-08
1531	440964.33	3769332.22	1.6748E-07	1.8856E-07	0.00E+00	3.56E-07	1.89E-07	2.74E-07	0.00E+00	4.63E-07	3.17E-08	4.67E-08	0.00E+00	7.84E-08	1.38E-08	1.87E-08	0.00E+00	3.26E-08
1532	440949.54	3769326.1	1.6717E-07	1.8821E-07	0.00E+00	3.55E-07	1.88E-07	2.74E-07	0.00E+00	4.62E-07	3.16E-08	4.66E-08	0.00E+00	7.82E-08	1.38E-08	1.87E-08	0.00E+00	3.25E-08
1533	440934.74	3769319.99	1.6687E-07	1.8787E-07	0.00E+00	3.55E-07	1.88E-07	2.73E-07	0.00E+00	4.61E-07	3.15E-08	4.66E-08	0.00E+00	7.81E-08	1.38E-08	1.87E-08	0.00E+00	3.24E-08
1534	441245.42	3769488.4	1.4124E-07	1.5902E-07	0.00E+00	3.00E-07	1.59E-07	2.31E-07	0.00E+00	3.90E-07	2.67E-08	3.94E-08	0.00E+00	6.61E-08	1.17E-08	1.58E-08	0.00E+00	2.75E-08
1535	441230.67	3769482.3	0.000000142	1.5988E-07	0.00E+00	3.02E-07	1.60E-07	2.32E-07	0.00E+00	3.92E-07	2.68E-08	3.96E-08	0.00E+00	6.65E-08	1.17E-08	1.59E-08	0.00E+00	2.76E-08
1536	441215.92	3769476.21	1.4287E-07	1.6086E-07	0.00E+00	3.04E-07	1.61E-07	2.34E-07	0.00E+00	3.95E-07	2.70E-08	3.99E-08	0.00E+00	6.69E-08	1.18E-08	1.60E-08	0.00E+00	2.78E-08
1537	441024.13	3769396.93	1.5465E-07	1.7412E-07	0.00E+00	3.29E-07	1.74E-07	2.53E-07	0.00E+00	4.27E-07	2.92E-08	4.32E-08	0.00E+00	7.24E-08	1.28E-08	1.73E-08	0.00E+00	3.01E-08
1538	440935.61	3769360.34	1.5428E-07	1.7369E-07	0.00E+00	3.28E-07	1.74E-07	2.52E-07	0.00E+00	4.26E-07	2.92E-08	4.30E-08	0.00E+00	7.22E-08	1.28E-08	1.72E-08	0.00E+00	3.00E-08
1539	440773.32	3769293.27	1.4764E-07	1.6622E-07	0.00E+00	3.14E-07	1.66E-07	2.42E-07	0.00E+00	4.08E-07	2.79E-08	4.12E-08	0.00E+00	6.91E-08	1.22E-08	1.65E-08	0.00E+00	2.87E-08
1540	440755.5	3769279.8	1.4863E-07	1.6734E-07	0.00E+00	3.16E-07	1.68E-07	2.43E-07	0.00E+00	4.11E-07	2.81E-08	4.15E-08	0.00E+00	6.96E-08	1.23E-08	1.66E-08	0.00E+00	2.89E-08
1541	440749.36	3769265.07	1.5168E-07	1.7077E-07	0.00E+00	3.22E-07	1.71E-07	2.48E-07	0.00E+00	4.19E-07	2.87E-08	4.23E-08	0.00E+00	7.10E-08	1.25E-08	1.70E-08	0.00E+00	2.95E-08
1542	440743.21	3769250.33	1.5506E-07	1.7457E-07	0.00E+00	3.30E-07	1.75E-07	2.54E-07	0.00E+00	4.29E-07	2.93E-08	4.33E-08	0.00E+00	7.26E-08	1.28E-08	1.73E-08	0.00E+00	3.02E-08
1543	440571.23	3768837.76	2.7144E-07	3.056E-07	0.00E+00	5.77E-07	3.06E-07	4.44E-07	0.00E+00	7.50E-07	5.13E-08	7.57E-08	0.00E+00	1.27E-07	2.24E-08	3.03E-08	0.00E+00	5.28E-08
1544	440565.09	3768823.02	2.7523E-07	3.0987E-07	0.00E+00	5.85E-07	3.10E-07	4.50E-07	0.00E+00	7.61E-07	5.20E-08	7.68E-08	0.00E+00	1.29E-07	2.28E-08	3.08E-08	0.00E+00	5.35E-08
1545	440558.95	3768808.29	2.7885E-07	3.1395E-07	0.00E+00	5.93E-07	3.14E-07	4.56E-07	0.00E+00	7.71E-07	5.27E-08	7.78E-08	0.00E+00	1.31E-07	2.31E-08	3.12E-08	0.00E+00	5.42E-08
1546	441260.86	3769491.45	1.4149E-07	1.593E-07	0.00E+00	3.01E-07	1.59E-07	2.32E-07	0.00E+00	3.91E-07	2.67E-08	3.95E-08	0.00E+00	6.62E-08	1.17E-08	1.58E-08	0.00E+00	2.75E-08
1547	441276.98	3769491.45	1.4265E-07	1.606E-07	0.00E+00	3.03E-07	1.61E-07	2.33E-07	0.00E+00	3.94E-07	2.70E-08	3.98E-08	0.00E+00	6.68E-08	1.18E-08	1.59E-08	0.00E+00	2.77E-08
1548	441245.44	3769528.41	1.3027E-07	1.4667E-07	0.00E+00	2.77E-07	1.47E-07	2.13E-07	0.00E+00	3.60E-07	2.46E-08	3.63E-08	0.00E+00	6.10E-08	1.08E-08	1.46E-08	0.00E+00	2.53E-08
1549	441230.72	3769522.33	1.3117E-07	1.4768E-07	0.00E+00	2.79E-07	1.48E-07	2.15E-07	0.00E+00	3.63E-07	2.48E-08	3.66E-08	0.00E+00	6.14E-08	1.08E-08	1.47E-08	0.00E+00	2.55E-08
1550	441216.01	3769516.24	1.3194E-07	1.4855E-07	0.00E+00	2.80E-07	1.49E-07	2.16E-07	0.00E+00	3.65E-07	2.49E-08	3.68E-08	0.00E+00	6.18E-08	1.09E-08	1.47E-08	0.00E+00	2.57E-08
1551	441186.57	3769504.08	1.3403E-07	1.509E-07	0.00E+00	2.85E-07	1.51E-07	2.19E-07	0.00E+00	3.70E-07	2.53E-08	3.74E-08	0.00E+00	6.27E-08	1.11E-08	1.50E-08	0.00E+00	2.61E-08
1552	441171.85	3769497.99	1.3491E-07	1.5189E-07	0.00E+00	2.87E-07	1.52E-07	2.21E-07	0.00E+00	3.73E-07	2.55E-08	3.76E-08	0.00E+00	6.31E-08	1.12E-08	1.51E-08	0.00E+00	2.62E-08
1553	441157.14	3769491.91	1.3566E-07	1.5274E-07	0.00E+00	2.88E-07	1.53E-07	2.22E-07	0.00E+00	3.75E-07	2.56E-08	3.79E-08	0.00E+00	6.35E-08	1.12E-08	1.52E-08	0.00E+00	2.64E-08
1554	441142.42	3769485.83	1.3654E-07	1.5373E-07	0.00E+00	2.90E-07	1.54E-07	2.23E-07	0.00E+00	3.77E-07	2.58E-08	3.81E-08	0.00E+00	6.39E-08	1.13E-08	1.53E-08	0.00E+00	2.66E-08
1555	441127.7	3769479.74	1.3754E-07	1.5485E-07	0.00E+00	2.92E-07	1.55E-07	2.25E-07	0.00E+00	3.80E-07	2.60E-08	3.84E-08	0.00E+00	6.44E-08	1.14E-08	1.54E-08	0.00E+00	2.67E-08
1556	441112.98	3769473.66	1.385E-07	1.5593E-07	0.00E+00	2.94E-07	1.56E-07	2.27E-07	0.00E+00	3.83E-07	2.62E-08	3.86E-08	0.00E+00	6.48E-08	1.15E-08	1.55E-08	0.00E+00	2.69E-08
1557	441024.68	3769437.16	1.4173E-07	1.5957E-07	0.00E+00	3.01E-07	1.60E-07	2.32E-07	0.00E+00	3.92E-07	2.68E-08	3.95E-08	0.00E+00	6.63E-08	1.17E-08	1.58E-08	0.00E+00	2.76E-08
1558	440721.14	3769293.45	1.399E-07	1.575E-07	0.00E+00	2.97E-07	1.58E-07	2.29E-07	0.00E+00	3.87E-07	2.64E-08	3.90E-08	0.00E+00	6.55E-08	1.16E-08	1.56E-08	0.00E+00	2.72E-08
1559	440715.01	3769278.75	1.428E-07	1.6077E-07	0.00E+00	3.04E-07	1.61E-07	2.34E-07	0.00E+00	3.95E-07	2.70E-08	3.98E-08	0.00E+00	6.68E-08	1.18E-08	1.60E-08	0.00E+00	2.78E-08
1560	440708.88	3769264.05	1.4579E-07	1.6414E-07	0.00E+00	3.10E-07	1.64E-07	2.39E-07	0.00E+00	4.03E-07	2.76E-08	4.07E-08	0.00E+00	6.82E-08	1.21E-08	1.63E-08	0.00E+00	2.83E-08
1561	440702.75	3769249.35	1.4889E-07	1.6763E-07	0.00E+00	3.17E-07	1.68E-07	2.44E-07	0.00E+00	4.12E-07	2.81E-08	4.15E-08	0.00E+00	6.97E-08	1.23E-08	1.66E-08	0.00E+00	2.90E-08
1562	440549.57	3768881.87	2.419E-07	2.7235E-07	0.00E+00	5.14E-07	2.73E-07	3.96E-07	0.00E+00	6.69E-07	4.57E-08	6.75E-08	0.00E+00	1.13E-07	2.00E-08	2.70E-08	0.00E+00	4.70E-08
1563	440543.44	3768867.17	2.4546E-07	2.7636E-07	0.00E+00	5.22E-07	2.77E-07	4.02E-07	0.00E+00	6.78E-07	4.64E-08	6.85E-08	0.00E+00	1.15E-07	2.03E-08	2.74E-08	0.00E+00	4.77E-08
1564	440537.31	3768852.47	2.4902E-07	2.8036E-07	0.00E+00	5.29E-07	2.81E-07	4.08E-07	0.00E+00	6.88E-07	4.71E-08	6.95E-08	0.00E+00	1.17E-07	2.06E-08	2.78E-08	0.00E+00	4.84E-08
1565	440531.19	3768837.77	2.5246E-07	2.8424E-07	0.00E+00	5.37E-07	2.85E-07	4.13E-07	0.00E+00	6.98E-07	4.77E-08	7.04E-08	0.00E+00	1.18E-07	2.09E-08	2.82E-08	0.00E+00	4.91E-08
1566	440525.06	3768823.07	2.5578E-07	2.8798E-07	0.00E+00	5.44E-07	2.88E-07	4.19E-07	0.00E+00	7.07E-07	4.84E-08	7.14E-08	0.00E+00	1.20E-07	2.11E-08	2.86E-08	0.00E+00	4.97E-08
1567	440518.93	3768808.37	2.5889E-07	2.9148E-07	0.00E+00	5.50E-07	2.92E-07	4.24E-07	0.00E+00	7.16E-07	4.89E-08	7.22E-08	0.00E+00	1.21E-07	2.14E-08	2.89E-08	0.00E+00	5.03E-08
1568	441260.86	3769531.45	1.2989E-07	1.4624E-07	0.00E+00	2.76E-07	1.46E-07	2.13E-07	0.00E+00	3.59E-07	2.46E-08	3.62E-08	0.00E+00	6.08E-08	1.07E-08	1.45E-08	0.00E+00	2.53E-08
1569	441276.98	3769531.45	1.3047E-07	1.4689E-07	0.00E+00	2.77E-07	1.47E-07	2.14E-07	0.00E+00	3.61E-07	2.47E-08	3.64E-08	0.00E+00	6.11E-08	1.08E-08	1.46E-08	0.00E+00	2.54E-08
1570	441230.47	3769562.22	1.2118E-07	1.3643E-07	0.00E+00	2.58E-07	1.37E-07	1.98E-07	0.00E+00	3.35E-07	2.29E-08	3.38E-08	0.00E+00	5.67E-08	1.00E-08	1.35E-08	0.00E+00	2.36E-08
1571	441215.59	3769556.07	1.2223E-07	1.3762E-07	0.00E+00	2.60E-07	1.38E-07	2.00E-07	0.00E+00	3.38E-07	2.31E-08	3.41E-08	0.00E+00	5.72E-08	1.01E-08	1.37E-08	0.00E+00	2.38E-08
1572	441170.94	3769537.61	1.2491E-07	1.4063E-07	0.00E+00	2.66E-07	1.41E-07	2.04E-07	0.00E+00	3.45E-07	2.36E-08	3.49E-08	0.00E+00	5.85E-08	1.03E-08	1.40E-08	0.00E+00	2.43E-08
1573	441156.05	3769531.46	1.257E-07	1.4152E-07	0.00E+00	2.67E-07	1.42E-07	2.06E-07	0.00E+00	3.47E-07	2.38E-08	3.51E-08	0.00E+00	5.88E-08	1.04E-08	1.40E-08	0.00E+00	2.44E-08
1574	441141.17	3769525.31	1.2608E-07	1.4194E-07	0.00E+00	2.68E-07	1.42E-07	2.06E-07	0.00E+00	3.48E-07	2.38E-08	3.52E-08	0.00E+00	5.90E-08	1.04E-08	1.41E-08	0.00E+00	2.45E-08
1575	441126.28	3769519.16	1.2642E-07	1.4233E-07	0.00E+00	2.69E-07	1.43E-07	2.07E-07	0.00E+00	3.49E-07	2.39E-08	3.53E-08	0.00E+00	5.92E-08	1.05E-08	1.41E-08	0.00E+00	2.46E-08
1576	441111.4	3769513	1.2699E-07	1.4297E-07	0.00E+00	2.70E-07	1.43E-07	2.08E-07	0.00E+00	3.51E-07	2.40E-08	3.54E-08	0.00E+00	5.94E-08	1.05E-08	1.42E-08	0.00E+00	2.47E-08
1577	441096.52	3769506.85	1.2759E-07	1.4365E-07	0.00E+00	2.71E-07	1.44E-07	2.09E-07	0.00E+00	3.53E-07	2.41E-08	3.56E-08	0.00E+00	5.97E-08	1.05E-08	1.43E-08	0.00E+00	2.48E-08
1578	441081.63	3769500.7	1.2817E-07	1.443E-07	0.00E+00	2.72E-07	1.44E-07	2.10E-07	0.00E+00	3.54E-07	2.42E-08	3.58E-08	0.00E+00	6.00E-08	1.06E-08	1.43E-08	0.00E+00	2.49E-08
1579	441066.75	3769494.55	1.2874E-07	1.4494E-07	0.00E+00	2.74E-07	1.45E-07	2.11E-07	0.00E+00	3.56E-07	2.43E-08	3.59E-08	0.00E+00	6.03E-08	1.06E-08	1.44E-08	0.00E+00	2.50E-08
1580	441051.86	3769488.4	1.2926E-07	1.4553E-07	0.00E+00	2.75E-07	1.46E-07	2.12E-07	0.00E+00	3.57E-07	2.44E-08	3.61E-08	0.00E+00	6.05E-08	1.07E-08	1.44E-08	0.00E+00	2.51E-08
1581	441036.98	3769482.24	1.2976E-07	1.4609E-07	0.00E+00	2.76E-07	1.46E-07	2.12E-07	0.00E+00	3.59E-07	2.45E-08	3.62E-08	0.00E+00	6.07E-08	1.07E-08	1.45E-08	0.00E+00	2.52E-08
1582	441022.1	3769476.09	1.3038E-07	1.4678E-07	0.00E+00	2.77E-07	1.47E-07	2.13E-07	0.00E+00	3.60E-07	2.46E-08	3.64E-08	0.00E+00	6.10E-08	1.08E-08	1.46E-08	0.00E+00	2.54E-08
1583	440992.33	3769463.79	1.3173E-07	1.4831E-07	0.00E+00	2.80E-07	1.48E-07	2.16E-07	0.00E+00	3.64E-07	2.49E-08	3.68E-08	0.00E+00	6.17E-08	1.09E-08	1.47E-08	0.00E+00	2.56E-08
1584	440977.44	3769457.64	1.324E-07	1.4907E-07	0.00E+00	2.81E-07	1.49E-07	2.17E-07	0.00E+00	3.66E-07	2.50E-08	3.69E-08	0.00E+00	6.20E-08	1.09E-08	1.48E-08	0.00E+00	2.57E-08
1585	440962.56	3769451.48	1.3283E-07	1.4955E-07	0.00E+00	2.82E-07	1.50E-07	2.17E-07	0.00E+00	3.67E-07	2.51E-08	3.71E-08	0.00E+00	6.22E-08	1.10E-08	1.48E-08	0.00E+00	2.58E-08
1586	440947.67	3769445.33	1.3303E-07	1.4977E-07	0.00E+00	2.83E-07	1.50E-07	2.18E-07	0.00E+00	3.68E-07	2.51E-08	3.71E-08	0.00E+00	6.23E-08	1.10E-08	1.49E-08	0.00E+00	2.59E-08
1587	440932.79	3769439.18	1.3313E-07	1.4989E-07	0.00E+00	2.83E-07	1.50E-07	2.18E-07	0.00E+00	3.68E-07	2.52E-08	3.71E-08	0.00E+00	6.23E-08	1.10E-08	1.49E-08	0.00E+00	2.59E-08
1588	440917.91	3769433.03	1.3305E-07	1.498E-07	0.00E+00	2.83E-07	1.50E-07	2.18E-07	0.00E+00	3.68E-07	2.52E-08	3.71E-08	0.00E+00	6.23E-08	1.10E-08	1.49E-08	0.00E+00	2.59E-08
1589	440680.4	3769291.79	1.3458E-07	1.5152E-07	0.00E+00	2.86E-07	1.52E-07	2.20E-07	0.00E+00	3.72E-07	2.54E-08	3.76E-08	0.00E+00	6.30E-08	1.11E-08	1.50E-08	0.00E+00	2.62E-08
1590	440674.2	3769276.93	1.3732E-07	1.546E-07	0.00E+00	2.92E-07	1.55E-07	2.25E-07	0.00E+00	3.80E-07	2.60E-08	3.83E-08	0.00E+00	6.43E-08	1.14E-08	1.53E-08	0.00E+00	2.67E-08
1591	440668	3769262.06	1.402E-07	1.5785E-07	0.00E+00	2.98E-07	1.58E-07	2.29E-07	0.00E+00	3.87E-07	2.65E-08	3.91E-08	0.00E+00	6.56E-08	1.16E-08	1.57E-08	0.00E+00	2.73E-08
1592	440661.81	3769247.2	1.4318E-07	1.6121E-07	0.00E+00	3.04E-07	1.61E-07	2.34E-07	0.00E+00	3.96E-07	2.71E-08	4.00E-08	0.00E+00	6.70E-08	1.18E-08	1.60E-08	0.00E+00	2.78E-08
1593	440537.87	3768949.88	2.1102E-07	2.3758E-07	0.00E+00	4.49E-07	2.38E-07	3.45E-07	0.00E+00	5.83E-07	3.99E-08	5.89E-08	0.00E+00	9.88E-08	1.74E-08	2.36E-08	0.00E+00	4.10E-08
1594	440531.67	3768935.02	2.1449E-07	2.4148E-07	0.00E+00	4.56E-07	2.42E-07	3.51E-07	0.00E+00	5.93E-07	4.05E-08	5.98E-08	0.00E+00	1.00E-07	1.77E-08	2.40E-08	0.00E+00	4.17E-08
1595	440525.48	3768920.15	2.1792E-07	2.4535E-07	0.00E+00	4.63E-07	2.46E-07	3.57E-07	0.00E+00	6.02E-07	4.12E-08	6.08E-08	0.00E+00	1.02E-07	1.80E-08	2.44E-08	0.00E+00	4.24E-08
1596	440519.28	3768905.29	2.213E-07	2.4915E-07	0.00E+00	4.70E-07	2.49E-07	3.62E-07	0.00E+00	6.12E-07	4.18E-08	6.17E-08	0.00E+00	1.04E-07	1.83E-08	2.47E-08	0.00E+00	4.30E-08

1597	440513.08	3768890.42	2.2458E-07	2.5285E-07	0.00E+00	4.77E-07	2.53E-07	3.68E-07	0.00E+00	6.21E-07	4.25E-08	6.27E-08	0.00E+00	1.05E-07	1.86E-08	2.51E-08	0.00E+00	4.37E-08
1598	440506.89	3768875.55	2.2777E-07	2.5643E-07	0.00E+00	4.84E-07	2.57E-07	3.73E-07	0.00E+00	6.29E-07	4.31E-08	6.36E-08	0.00E+00	1.07E-07	1.88E-08	2.55E-08	0.00E+00	4.43E-08
1599	440500.69	3768860.69	2.3084E-07	2.5989E-07	0.00E+00	4.91E-07	2.60E-07	3.78E-07	0.00E+00	6.38E-07	4.36E-08	6.44E-08	0.00E+00	1.08E-07	1.91E-08	2.58E-08	0.00E+00	4.49E-08
1600	440494.49	3768845.82	2.3383E-07	2.6326E-07	0.00E+00	4.97E-07	2.64E-07	3.83E-07	0.00E+00	6.46E-07	4.42E-08	6.52E-08	0.00E+00	1.09E-07	1.93E-08	2.61E-08	0.00E+00	4.55E-08
1601	440488.3	3768830.96	2.3675E-07	2.6654E-07	0.00E+00	5.03E-07	2.67E-07	3.87E-07	0.00E+00	6.54E-07	4.48E-08	6.61E-08	0.00E+00	1.11E-07	1.96E-08	2.65E-08	0.00E+00	4.60E-08
1602	440482.1	3768816.09	2.3962E-07	2.6977E-07	0.00E+00	5.09E-07	2.70E-07	3.92E-07	0.00E+00	6.62E-07	4.53E-08	6.69E-08	0.00E+00	1.12E-07	1.98E-08	2.68E-08	0.00E+00	4.66E-08
1603	441245.38	3769608.38	1.1196E-07	1.2605E-07	0.00E+00	2.38E-07	1.26E-07	1.83E-07	0.00E+00	3.09E-07	2.12E-08	3.12E-08	0.00E+00	5.24E-08	9.26E-09	1.25E-08	0.00E+00	2.18E-08
1604	441230.53	3769602.25	1.1261E-07	1.2678E-07	0.00E+00	2.39E-07	1.27E-07	1.84E-07	0.00E+00	3.11E-07	2.13E-08	3.14E-08	0.00E+00	5.27E-08	9.31E-09	1.26E-08	0.00E+00	2.19E-08
1605	441215.69	3769596.11	1.1322E-07	1.2747E-07	0.00E+00	2.41E-07	1.28E-07	1.85E-07	0.00E+00	3.13E-07	2.14E-08	3.16E-08	0.00E+00	5.30E-08	9.36E-09	1.27E-08	0.00E+00	2.20E-08
1606	441141.46	3769565.43	1.1674E-07	1.3144E-07	0.00E+00	2.48E-07	1.32E-07	1.91E-07	0.00E+00	3.23E-07	2.21E-08	3.26E-08	0.00E+00	5.46E-08	9.65E-09	1.30E-08	0.00E+00	2.27E-08
1607	441126.62	3769559.29	1.1659E-07	1.3126E-07	0.00E+00	2.48E-07	1.31E-07	1.91E-07	0.00E+00	3.22E-07	2.20E-08	3.25E-08	0.00E+00	5.46E-08	9.64E-09	1.30E-08	0.00E+00	2.27E-08
1608	441111.77	3769553.16	1.165E-07	1.3116E-07	0.00E+00	2.48E-07	1.31E-07	1.91E-07	0.00E+00	3.22E-07	2.20E-08	3.25E-08	0.00E+00	5.45E-08	9.63E-09	1.30E-08	0.00E+00	2.27E-08
1609	441096.93	3769547.02	1.1669E-07	1.3138E-07	0.00E+00	2.48E-07	1.32E-07	1.91E-07	0.00E+00	3.23E-07	2.21E-08	3.26E-08	0.00E+00	5.46E-08	9.65E-09	1.30E-08	0.00E+00	2.27E-08
1610	441082.08	3769540.89	1.1719E-07	1.3193E-07	0.00E+00	2.49E-07	1.32E-07	1.92E-07	0.00E+00	3.24E-07	2.22E-08	3.27E-08	0.00E+00	5.48E-08	9.69E-09	1.31E-08	0.00E+00	2.28E-08
1611	441067.24	3769534.75	1.1771E-07	1.3253E-07	0.00E+00	2.50E-07	1.33E-07	1.93E-07	0.00E+00	3.25E-07	2.23E-08	3.28E-08	0.00E+00	5.51E-08	9.73E-09	1.32E-08	0.00E+00	2.29E-08
1612	441052.39	3769528.61	1.1851E-07	1.3343E-07	0.00E+00	2.52E-07	1.34E-07	1.94E-07	0.00E+00	3.28E-07	2.24E-08	3.31E-08	0.00E+00	5.55E-08	9.80E-09	1.32E-08	0.00E+00	2.30E-08
1613	441037.55	3769522.48	1.1948E-07	1.3452E-07	0.00E+00	2.54E-07	1.35E-07	1.96E-07	0.00E+00	3.30E-07	2.26E-08	3.33E-08	0.00E+00	5.59E-08	9.88E-09	1.34E-08	0.00E+00	2.32E-08
1614	441022.7	3769516.34	1.2018E-07	1.353E-07	0.00E+00	2.55E-07	1.35E-07	1.97E-07	0.00E+00	3.32E-07	2.27E-08	3.35E-08	0.00E+00	5.63E-08	9.94E-09	1.34E-08	0.00E+00	2.34E-08
1615	441007.86	3769510.21	1.2072E-07	1.3592E-07	0.00E+00	2.57E-07	1.36E-07	1.98E-07	0.00E+00	3.34E-07	2.28E-08	3.37E-08	0.00E+00	5.65E-08	9.98E-09	1.35E-08	0.00E+00	2.35E-08
1616	440993.01	3769504.07	1.2121E-07	1.3647E-07	0.00E+00	2.58E-07	1.37E-07	1.98E-07	0.00E+00	3.35E-07	2.29E-08	3.38E-08	0.00E+00	5.67E-08	1.00E-08	1.35E-08	0.00E+00	2.36E-08
1617	440978.17	3769497.94	1.2189E-07	1.3724E-07	0.00E+00	2.59E-07	1.37E-07	1.99E-07	0.00E+00	3.37E-07	2.30E-08	3.40E-08	0.00E+00	5.71E-08	1.01E-08	1.36E-08	0.00E+00	2.37E-08
1618	440963.32	3769491.8	1.2268E-07	1.3812E-07	0.00E+00	2.61E-07	1.38E-07	2.01E-07	0.00E+00	3.39E-07	2.32E-08	3.42E-08	0.00E+00	5.74E-08	1.01E-08	1.37E-08	0.00E+00	2.39E-08
1619	440948.48	3769485.66	1.2322E-07	1.3872E-07	0.00E+00	2.62E-07	1.39E-07	2.02E-07	0.00E+00	3.41E-07	2.33E-08	3.44E-08	0.00E+00	5.77E-08	1.02E-08	1.38E-08	0.00E+00	2.40E-08
1620	440933.63	3769479.53	1.2361E-07	1.3917E-07	0.00E+00	2.63E-07	1.39E-07	2.02E-07	0.00E+00	3.42E-07	2.34E-08	3.45E-08	0.00E+00	5.79E-08	1.02E-08	1.38E-08	0.00E+00	2.40E-08
1621	440918.79	3769473.39	1.2396E-07	1.3957E-07	0.00E+00	2.64E-07	1.40E-07	2.03E-07	0.00E+00	3.43E-07	2.34E-08	3.46E-08	0.00E+00	5.80E-08	1.02E-08	1.39E-08	0.00E+00	2.41E-08
1622	440903.94	3769467.26	1.2416E-07	1.3979E-07	0.00E+00	2.64E-07	1.40E-07	2.03E-07	0.00E+00	3.43E-07	2.35E-08	3.46E-08	0.00E+00	5.81E-08	1.03E-08	1.39E-08	0.00E+00	2.41E-08
1623	440516.24	3768994.07	1.8963E-07	2.135E-07	0.00E+00	4.03E-07	2.14E-07	3.10E-07	0.00E+00	5.24E-07	3.58E-08	5.29E-08	0.00E+00	8.88E-08	1.57E-08	2.12E-08	0.00E+00	3.69E-08
1624	440510.06	3768979.25	1.9269E-07	2.1695E-07	0.00E+00	4.10E-07	2.17E-07	3.15E-07	0.00E+00	5.33E-07	3.64E-08	5.38E-08	0.00E+00	9.02E-08	1.59E-08	2.15E-08	0.00E+00	3.75E-08
1625	440503.88	3768964.42	1.9575E-07	2.2039E-07	0.00E+00	4.16E-07	2.21E-07	3.20E-07	0.00E+00	5.41E-07	3.70E-08	5.46E-08	0.00E+00	9.16E-08	1.62E-08	2.19E-08	0.00E+00	3.81E-08
1626	440497.7	3768949.59	1.9884E-07	2.2387E-07	0.00E+00	4.23E-07	2.24E-07	3.25E-07	0.00E+00	5.50E-07	3.76E-08	5.55E-08	0.00E+00	9.31E-08	1.64E-08	2.22E-08	0.00E+00	3.87E-08
1627	440491.52	3768934.77	2.0192E-07	2.2734E-07	0.00E+00	4.29E-07	2.28E-07	3.30E-07	0.00E+00	5.58E-07	3.82E-08	5.63E-08	0.00E+00	9.45E-08	1.67E-08	2.26E-08	0.00E+00	3.93E-08
1628	440485.34	3768919.94	2.0492E-07	2.3071E-07	0.00E+00	4.36E-07	2.31E-07	3.35E-07	0.00E+00	5.66E-07	3.87E-08	5.72E-08	0.00E+00	9.59E-08	1.69E-08	2.29E-08	0.00E+00	3.98E-08
1629	440479.16	3768905.11	2.0779E-07	2.3394E-07	0.00E+00	4.42E-07	2.34E-07	3.40E-07	0.00E+00	5.74E-07	3.93E-08	5.80E-08	0.00E+00	9.73E-08	1.72E-08	2.32E-08	0.00E+00	4.04E-08
1630	440472.98	3768890.29	2.106E-07	2.371E-07	0.00E+00	4.48E-07	2.37E-07	3.45E-07	0.00E+00	5.82E-07	3.98E-08	5.88E-08	0.00E+00	9.86E-08	1.74E-08	2.35E-08	0.00E+00	4.10E-08
1631	440466.8	3768875.46	2.1339E-07	2.4024E-07	0.00E+00	4.54E-07	2.41E-07	3.49E-07	0.00E+00	5.90E-07	4.03E-08	5.95E-08	0.00E+00	9.99E-08	1.76E-08	2.38E-08	0.00E+00	4.15E-08
1632	440460.62	3768860.63	2.1614E-07	2.4335E-07	0.00E+00	4.59E-07	2.44E-07	3.54E-07	0.00E+00	5.97E-07	4.09E-08	6.03E-08	0.00E+00	1.01E-07	1.79E-08	2.42E-08	0.00E+00	4.20E-08
1633	440454.44	3768845.81	2.1887E-07	2.4641E-07	0.00E+00	4.65E-07	2.47E-07	3.58E-07	0.00E+00	6.05E-07	4.14E-08	6.11E-08	0.00E+00	1.02E-07	1.81E-08	2.45E-08	0.00E+00	4.26E-08
1634	440448.26	3768830.98	2.2151E-07	2.4939E-07	0.00E+00	4.71E-07	2.50E-07	3.63E-07	0.00E+00	6.12E-07	4.19E-08	6.18E-08	0.00E+00	1.04E-07	1.83E-08	2.48E-08	0.00E+00	4.31E-08
1635	440442.07	3768816.15	2.2407E-07	2.5227E-07	0.00E+00	4.76E-07	2.53E-07	3.67E-07	0.00E+00	6.19E-07	4.24E-08	6.25E-08	0.00E+00	1.05E-07	1.85E-08	2.50E-08	0.00E+00	4.36E-08
1636	441260.86	3769611.45	1.1188E-07	1.2596E-07	0.00E+00	2.38E-07	1.26E-07	1.83E-07	0.00E+00	3.09E-07	2.12E-08	3.12E-08	0.00E+00	5.24E-08	9.25E-09	1.25E-08	0.00E+00	2.18E-08
1637	441276.98	3769611.45	1.1259E-07	1.2676E-07	0.00E+00	2.39E-07	1.27E-07	1.84E-07	0.00E+00	3.11E-07	2.13E-08	3.14E-08	0.00E+00	5.27E-08	9.31E-09	1.26E-08	0.00E+00	2.19E-08
1638	441245.4	3769648.39	1.0407E-07	1.1717E-07	0.00E+00	2.21E-07	1.17E-07	1.70E-07	0.00E+00	2.88E-07	1.97E-08	2.90E-08	0.00E+00	4.87E-08	8.61E-09	1.16E-08	0.00E+00	2.02E-08
1639	441230.59	3769642.27	1.0474E-07	1.1792E-07	0.00E+00	2.23E-07	1.18E-07	1.71E-07	0.00E+00	2.89E-07	1.98E-08	2.92E-08	0.00E+00	4.90E-08	8.66E-09	1.17E-08	0.00E+00	2.04E-08
1640	441215.78	3769636.15	1.0539E-07	1.1866E-07	0.00E+00	2.24E-07	1.19E-07	1.72E-07	0.00E+00	2.91E-07	1.99E-08	2.94E-08	0.00E+00	4.93E-08	8.71E-09	1.18E-08	0.00E+00	2.05E-08
1641	441186.16	3769623.9	1.0669E-07	1.2012E-07	0.00E+00	2.27E-07	1.20E-07	1.75E-07	0.00E+00	2.95E-07	2.02E-08	2.98E-08	0.00E+00	4.99E-08	8.82E-09	1.19E-08	0.00E+00	2.07E-08
1642	441171.35	3769617.78	1.0717E-07	1.2066E-07	0.00E+00	2.28E-07	1.21E-07	1.75E-07	0.00E+00	2.96E-07	2.03E-08	2.99E-08	0.00E+00	5.02E-08	8.86E-09	1.20E-08	0.00E+00	2.08E-08
1643	441156.54	3769611.66	1.0752E-07	1.2106E-07	0.00E+00	2.29E-07	1.21E-07	1.76E-07	0.00E+00	2.97E-07	2.03E-08	3.00E-08	0.00E+00	5.03E-08	8.89E-09	1.20E-08	0.00E+00	2.09E-08
1644	441141.73	3769605.54	1.0778E-07	1.2134E-07	0.00E+00	2.29E-07	1.21E-07	1.76E-07	0.00E+00	2.98E-07	2.04E-08	3.01E-08	0.00E+00	5.04E-08	8.91E-09	1.20E-08	0.00E+00	2.10E-08
1645	441126.92	3769599.42	1.0784E-07	1.2142E-07	0.00E+00	2.29E-07	1.22E-07	1.76E-07	0.00E+00	2.98E-07	2.04E-08	3.01E-08	0.00E+00	5.05E-08	8.92E-09	1.21E-08	0.00E+00	2.10E-08
1646	441112.11	3769593.3	1.0792E-07	1.215E-07	0.00E+00	2.29E-07	1.22E-07	1.77E-07	0.00E+00	2.98E-07	2.04E-08	3.01E-08	0.00E+00	5.05E-08	8.92E-09	1.21E-08	0.00E+00	2.10E-08
1647	441097.3	3769587.18	1.0807E-07	1.2167E-07	0.00E+00	2.30E-07	1.22E-07	1.77E-07	0.00E+00	2.99E-07	2.04E-08	3.02E-08	0.00E+00	5.06E-08	8.94E-09	1.21E-08	0.00E+00	2.10E-08
1648	441038.06	3769562.69	1.106E-07	1.2452E-07	0.00E+00	2.35E-07	1.25E-07	1.81E-07	0.00E+00	3.06E-07	2.09E-08	3.09E-08	0.00E+00	5.18E-08	9.15E-09	1.24E-08	0.00E+00	2.15E-08
1649	441023.25	3769556.57	1.1149E-07	1.2552E-07	0.00E+00	2.37E-07	1.26E-07	1.82E-07	0.00E+00	3.08E-07	2.11E-08	3.11E-08	0.00E+00	5.22E-08	9.22E-09	1.25E-08	0.00E+00	2.17E-08
1650	441008.44	3769550.45	1.1242E-07	1.2657E-07	0.00E+00	2.39E-07	1.27E-07	1.84E-07	0.00E+00	3.11E-07	2.13E-08	3.14E-08	0.00E+00	5.26E-08	9.30E-09	1.26E-08	0.00E+00	2.19E-08
1651	440993.63	3769544.33	1.1339E-07	1.2767E-07	0.00E+00	2.41E-07	1.28E-07	1.86E-07	0.00E+00	3.13E-07	2.14E-08	3.16E-08	0.00E+00	5.31E-08	9.38E-09	1.27E-08	0.00E+00	2.21E-08
1652	440978.82	3769538.21	1.1424E-07	1.2862E-07	0.00E+00	2.43E-07	1.29E-07	1.87E-07	0.00E+00	3.16E-07	2.16E-08	3.19E-08	0.00E+00	5.35E-08	9.45E-09	1.28E-08	0.00E+00	2.22E-08
1653	440964.01	3769532.08	1.1468E-07	1.2911E-07	0.00E+00	2.44E-07	1.29E-07	1.88E-07	0.00E+00	3.17E-07	2.17E-08	3.20E-08	0.00E+00	5.37E-08	9.48E-09	1.28E-08	0.00E+00	2.23E-08
1654	440949.2	3769525.96	1.1488E-07	1.2934E-07	0.00E+00	2.44E-07	1.29E-07	1.88E-07	0.00E+00	3.18E-07	2.17E-08	3.21E-08	0.00E+00	5.38E-08	9.50E-09	1.28E-08	0.00E+00	2.23E-08
1655	440934.39	3769519.84	1.1511E-07	1.296E-07	0.00E+00	2.45E-07	1.30E-07	1.88E-07	0.00E+00	3.18E-07	2.18E-08	3.21E-08	0.00E+00	5.39E-08	9.52E-09	1.29E-08	0.00E+00	2.24E-08
1656	440919.58	3769513.72	1.1538E-07	1.299E-07	0.00E+00	2.45E-07	1.30E-07	1.89E-07	0.00E+00	3.19E-07	2.18E-08	3.22E-08	0.00E+00	5.40E-08	9.54E-09	1.29E-08	0.00E+00	2.24E-08
1657	440904.77	3769507.6	1.1567E-07	1.3023E-07	0.00E+00	2.46E-07	1.30E-07	1.89E-07	0.00E+00	3.20E-07	2.19E-08	3.23E-08	0.00E+00	5.41E-08	9.56E-09	1.29E-08	0.00E+00	2.25E-08
1658	440889.96	3769501.48	1.1593E-07	1.3052E-07	0.00E+00	2.46E-07	1.31E-07	1.90E-07	0.00E+00	3.20E-07	2.19E-08	3.23E-08	0.00E+00	5.43E-08	9.59E-09	1.30E-08	0.00E+00	2.25E-08
1659	440875.15	3769495.36	1.1602E-07	1.3063E-07	0.00E+00	2.47E-07	1.31E-07	1.90E-07	0.00E+00	3.21E-07	2.19E-08	3.24E-08	0.00E+00	5.43E-08	9.59E-09	1.30E-08	0.00E+00	2.26E-08
1660	440860.34	3769489.23	1.1587E-07	1.3045E-07	0.00E+00	2.46E-07	1.31E-07	1.90E-07	0.00E+00	3.20E-07	2.19E-08	3.23E-08	0.00E+00	5.42E-08	9.58E-09	1.30E-08	0.00E+00	2.25E-08
1661	440845.53	3769483.11	1.1553E-07	1.3007E-07	0.00E+00	2.46E-07	1.30E-07	1.89E-07	0.00E+00	3.19E-07	2.18E-08	3.22E-08	0.00E+00	5.41E-08	9.55E-09	1.29E-08	0.00E+00	2.25E-08
1662	440830.72	3769476.99	1.1503E-07	1.2951E-07	0.00E+00	2.45E-07	1.30E-07	1.88E-07	0.00E+00	3.18E-07	2.17E-08	3.21E-08	0.00E+00	5.38E-08	9.51E-09	1.29E-08	0.00E+00	2.24E-08
1663	440801.1	3769464.75	1.1458E-07	1.2901E-07	0.00E+00	2.44E-07	1.29E-07	1.88E-07	0.00E+00	3.17E-07	2.17E-08	3.20E-08	0.00E+00	5.36E-08	9.47E-09	1.28E-08	0.00E+00	2.23E-08
1664	440756.68	3769446.39	1.1364E-07	1.2794E-07	0.00E+00	2.42E-07	1.28E-07	1.86E-07	0.00E+00	3.14E-07	2.15E-08	3.17E-08	0.00E+00	5.32E-08	9.40E-09	1.27E-08	0.00E+00	2.21E-08
1665	440741.87	3769440.26	1.1306E-07	1.2729E-07	0.00E+00	2.40E-07	1.27E-07	1.85E-07	0.00E+00	3.12E-07	2.14E-08	3.15E-08	0.00E+00	5.29E-08	9.35E-09	1.26E-08	0.00E+00	2.20E-08
1666	440727.06	3769434.14	1.1247E-07	1.2662E-07	0.00E+00	2.39E-07	1.27E-07	1.84E-07	0.00E+00	3.11E-07	2.13E-08	3.14E-08	0.00E+00	5.26E-08	9.30E-09	1.26E-08	0.00E+00	2.19E-08
1667	440712.25	3769428.02	1.1186E-07	1.2594E-07	0.00E+00	2.38E-07	1.26E-07	1.83E-07	0.00E+00	3.09E-07	2.11E-08	3.12E-08	0.00E+00	5.24E-08	9.25E-09	1.25E-08	0.00E+00	2.18E-08
1668	440697.44	3769421.9	1.1125E-07	1.2525E-07	0.00E+00	2.37E-07	1.25E-07	1.82E-07	0.00E+00	3.07E-07	2.10E-08	3.10E-08	0.00E+00	5.21E-08	9.20E-09	1.24E-08	0.00E+00	2.16E-08
1669	440476.04	3768993.72	1.7929E-07	2.0186E-07	0.00E+00	3.81E-07	2.02E-07	2.93E-07	0.00E+00	4.96E-07	3.39E-08	5.00E-08	0.00E+00	8.39E-08	1.48E-08	2.00E-08	0.00E+00	3.49E-08
1670	440469.88	3768978.92	1.8207E-07	2.0499E-07	0.00E+00	3.87E-07	2.05E-07	2.98E-07	0.00E+00	5.03E-07	3.44E-08	5.08E-08	0.00E+00	8.52E-08	1.51E-08	2.04E-08	0.00E+00	3.54E-08
1671	440463.71	3768964.13	1.8486E-07	2.0813E-07	0.00E+00	3.93E-07	2.08E-07	3.03E-07	0.00E+00	5.11E-07	3.49E-08	5.16E-08	0.00E+00	8.65E-08	1.53E-08	2.07E-08	0.00E+00	3.59E-08
1672	440457.55	3768949.34	1.8763E-07	2.1125E-07	0.00E+00	3.99E-07	2.11E-07	3.07E-07	0.00E+00	5.19E-07	3.55E-08	5.24E-08	0.00E+00	8.78E-08	1.55E-08	2.10E-08	0.00E+00	3.65E-08
1673	440451.38	3768934.55	1.9037E-07	2.1433E-07	0.00E+00	4.05E-07	2.15E-07	3.12E-07	0.00E+00	5.26E-07	3.60E-08	5.31E-08	0.00E+00	8.91E-08	1.57E-08	2.13E-08	0.00E+00	3.70E-08
1674	440445.21	3768919.76	1.9303E-07	2.1733E-07	0.00E+00	4.10E-07	2.18E-07	3.16E-07	0.00E+00	5.34E-07	3.65E-08	5.39E-08	0.00E+00	9.04E-08	1.60E-08	2.16E-08	0.00E+00	3.75E-08
1675	440439.05	3768904.97	1.9558E-07	2.202E-07	0.00E+00	4.16E-07	2.20E-07	3.20E-07	0.00E+00	5.41E-07	3.70E-08	5.46E-08	0.00E+00	9.15E-08	1.62E-08	2.19E-08	0.00E+00	3.80E-08
1676	440432.88	3768890.18	1.9813E-07	2.2307E-07	0.00E+00	4.21E-07	2.23E-07	3.24E-07	0.00E+00	5.48E-07	3.75E-08	5.53E-08	0.00E+00	9.27E-08	1.64E-08	2.21E-08	0.00E+00	3.85E-08
1677	440426.72	3768875.39	2.0066E-07	2.2591E-07	0.00E+00	4.27E-07	2.26E-07	3.28E-07	0.00E+00	5.55E-07	3.79E-08	5.60E-08	0.00E+00	9.39E-08	1.66E-08	2.24E-08	0.00E+00	3.90E-08
1678	440420.55	3768860.6	2.0311E-07	2.2868E-07	0.00E+00	4.32E-07	2.29E-07	3.32E-07	0.00E+00	5.61E-07	3.84E-08	5.67E-08	0.00E+00	9.51E-08	1.68E-08	2.27E-08	0.00E+00	3.95E-08
1679	440414.38	3768845.8	2.0549E-07	2.3136E-07	0.00E+00	4.37E-07	2.32E-07	3.36E-07	0.00E+00	5.68E-07	3.88E-08	5.73E-08	0.00E+00	9.62E-08	1.70E-08	2.30E-08	0.00E+00	4.00E-08
1680	440408.22	3768831.01	2.0781E-07	2.3396E-07	0.00E+00	4.42E-07	2.34E-07	3.40E-07	0.00E+00	5.74E-07	3.93E-08	5.80E-08	0.00E+00	9.73E-08	1.72E-08	2.32E-08	0.00E+00	4.04E-08
1681	440402.05	3768816.22	2.1005E-07	2.3649E-07	0.00E+00	4.47E-07	2.37E-07	3.44E-07	0.00E+00	5.81E-07	3.97E-08	5.86E-08	0.00E+00	9.83E-08	1.74E-08	2.35E-08	0.00E+00	4.08E-08
1682	441260.86	3769651.45	1.0402E-07	1.1711E-07	0.00E+00	2.21E-07	1.17E-07	1.70E-07	0.00E+00	2.87E-07	1.97E-08	2.90E-08	0.00E+00	4.87E-08	8.60E-09	1.16E-08	0.00E+00	2.02E-08
1683	441276.98	3769651.45	1.0468E-07	1.1786E-07	0.00E+00	2.23E-07	1.18E-07	1.71E-07	0.00E+00	2.89E-07	1.98E-08	2.92E-08	0.00E+00	4.90E-08	8.66E-09	1.17E-08	0.00E+00	2.04E-08
1684	441245.41	3769688.4	9.7264E-08	1.0951E-07	0.00E+00	2.07E-07	1.10E-07	1.59E-07	0.00E+00	2.69E-07	1.84E-08	2.71E-08	0.00E+00	4.55E-08	8.04E-09	1.09E-08	0.00E+00	1.89E-08
1685	441230.63	3769682.29	9.7931E-08	1.1026E-07	0.00E+00	2.08E-07	1.10E-07	1.60E-07	0.00E+00	2.71E-07	1.85E-08	2.73E-08	0.00E+00	4.58E-08	8.10E-09	1.09E-08	0.00E+00	1.90E-08
1686	441186.3	3769663.96	9.9176E-08	1.1166E-07	0.00E+00	2.11E-07	1.12E-07	1.62E-07	0.00E+00	2.74E-07	1.87E-08	2.77E-08	0.00E+00	4.64E-08	8.20E-09	1.11E-08	0.00E+00	1.93E-08
1687	441171.52	3769657.86	9.97E-08	1.1225E-07	0.00E+00	2.12E-07	1.12E-07	1.63E-07	0.00E+00	2.76E-07	1.88E-08	2.78E-08	0.00E+00	4.67E-08	8.24E-09	1.11E-08	0.00E+00	1.94E-08
1688	441156.75	3769651.75	1.0028E-07	1.129E-07	0.00E+00	2.13E-07	1.13E-07	1.64E-07	0.00E+00	2.77E-07	1.90E-08	2.80E-08	0.00E+00	4.69E-08	8.29E-09	1.12E-08	0.00E+00	1.95E-08
1689	441141.97	3769645.64	1.0076E-07	1.1344E-07	0.00E+00	2.14E-07	1.14E-07	1.65E-07	0.00E+00	2.78E-07	1.90E-08	2.81E-08	0.00E+00	4.72E-08	8.33E-09	1.13E-08	0.00E+00	1.96E-08
1690	441127.19	3769639.53	1.0109E-07	1.1382E-07	0.00E+00	2.15E-07	1.14E-07	1.65E-07	0.00E+00	2.79E-07	1.91E-08	2.82E-08	0.00E+00	4.73E-08	8.36E-09	1.13E-08	0.00E+00	1.97E-08
1691	441112.41	3769633.42	1.014E-07	1.1416E-07	0.00E+00	2.16E-07	1.14E-07	1.66E-07	0.00E+00	2.80E-07	1.92E-08	2.83E-08	0.00E+00	4.75E-08	8.38E-09	1.13E-08	0.00E+00	1.97E-08
1692	441097.63	3769627.31	1.0174E-07	1.1455E-07	0.00E+00	2.16E-07	1.15E-07	1.67E-07	0.00E+00	2.81E-07	1.92E-08	2.84E-08	0.00E+00	4.76E-08	8.41E-09	1.14E-08	0.00E+00	1.98E-08
1693	441082.86	3769621.21	1.021E-07	1.1495E-07	0.00E+00	2.17E-07	1.15E-07	1.67E-07	0.00E+00	2.82E-07	1.93E-08	2.85E-08	0.00E+00	4.78E-08	8.44E-09	1.14E-08	0.00E+00	1.99E-08
1694	441068.08	3769615.1	1.0245E-07	1.1535E-07	0.00E+00	2.18E-07	1.15E-07	1.68E-07	0.00E+00	2.83E-07	1.94E-08	2.86E-08	0.00E+00	4.80E-08	8.47E-09	1.15E-08	0.00E+00	1.99E-08
1695	441053.3	3769608.99	1.0301E-07	1.1597E-07	0.00E+00	2.19E-07	1.16E-07	1.69E-07	0.00E+00	2.85E-07	1.95E-08	2.87E-08	0.00E+00	4.82E-08	8.52E-09	1.15E-08	0.00E+00	2.00E-08
1696	441023.75	3769596.77	1.0475E-07	1.1793E-07	0.00E+00	2.23E-07	1.18E-07	1.71E-07	0.00E+00	2.90E-07	1.98E-08	2.92E-08	0.00E+00	4.90E-08	8.66E-09	1.17E-08	0.00E+00	2.04E-08
1697	441008.97	3769590.67	1.0546E-07	1.1874E-07	0.00E+00	2.24E-07	1.19E-07	1.73E-07	0.00E+00	2.91E-07	1.99E-08	2.94E-08	0.00E+00	4.94E-08	8.72E-09	1.18E-08	0.00E+00	2.05E-08
1698	440994.19	3769584.56	1.0608E-07	1.1943E-07	0.00E+00	2.26E-07	1.20E-07	1.74E-07	0.00E+00	2.93E-07	2.01E-08	2.96E-08	0.00E+00	4.97E-08	8.77E-09	1.19E-08	0.00E+00	2.06E-08
1699	440935.08	3769560.13	1.0768E-07	1.2124E-07	0.00E+00	2.29E-07	1.21E-07	1.76E-07	0.00E+00	2.98E-07	2.04E-08	3.00E-08	0.00E+00	5.04E-08	8.90E-09	1.20E-08	0.00E+00	2.09E-08
1700	440920.3	3769554.02	1.077E-07	1.2125E-07	0.00E+00	2.29E-07	1.21E-07	1.76E-07	0.00E+00	2.98E-07	2.04E-08	3.00E-08	0.00E+00	5.04E-08	8.91E-09	1.20E-08	0.00E+00	2.09E-08
1701	440905.53	3769547.91	1.0786E-07	1.2143E-07	0.00E+00	2.29E-07	1.22E-07	1.77E-07	0.00E+00	2.98E-07	2.04E-08	3.01E-08	0.00E+00	5.05E-08	8.92E-09	1.21E-08	0.00E+00	2.10E-08
1702	440890.75	3769541.8	1.0823E-07	1.2185E-07	0.00E+00	2.30E-07	1.22E-07	1.77E-07	0.00E+00	2.99E-07	2.05E-08	3.02E-08	0.00E+00	5.07E-08	8.95E-09	1.21E-08	0.00E+00	2.10E-08
1703	440875.97	3769535.69	1.0845E-07	1.2209E-07	0.00E+00	2.31E-07	1.22E-07	1.77E-07	0.00E+00	3.00E-07	2.05E-08	3.03E-08	0.00E+00	5.08E-08	8.97E-09	1.21E-08	0.00E+00	2.11E-08
1704	440861.19	3769529.59	1.0846E-07	1.2211E-07	0.00E+00	2.31E-07	1.22E-07	1.78E-07	0.00E+00	3.00E-07	2.05E-08	3.03E-08	0.00E+00	5.08E-08	8.97E-09	1.21E-08	0.00E+00	2.11E-08
1705	440846.41	3769523.48	1.0832E-07	1.2195E-07	0.00E+00	2.30E-07	1.22E-07	1.77E-07	0.00E+00	2.99E-07	2.05E-08	3.02E-08	0.00E+00	5.07E-08	8.96E-09	1.21E-08	0.00E+00	2.11E-08
1706	440831.64	3769517.37	1.0784E-07	1.2141E-07	0.00E+00	2.29E-07	1.22E-07	1.76E-07	0.00E+00	2.98E-07	2.04E-08	3.01E-08	0.00E+00	5.05E-08	8.92E-09	1.21E-08	0.00E+00	2.10E-08
1707	440802.08	3769505.15	1.0721E-07	1.2071E-07	0.00E+00	2.28E-07	1.21E-07	1.75E-07	0.00E+00	2.96E-07	2.03E-08	2.99E-08	0.00E+00	5.02E-08	8.86E-09	1.20E-08	0.00E+00	2.08E-08
1708	440787.3	3769499.04	1.0699E-07	1.2046E-07	0.00E+00	2.27E-07	1.21E-07	1.75E-07	0.00E+00	2.96E-07	2.02E-08	2.99E-08	0.00E+00	5.01E-08	8.85E-09	1.20E-08	0.00E+00	2.08E-08
1709	440772.53	3769492.94	1.0695E-07	1.2041E-07	0.00E+00	2.27E-07	1.21E-07	1.75E-07	0.00E+00	2.96E-07	2.02E-08	2.98E-08	0.00E+00	5.01E-08	8.84E-09	1.20E-08	0.00E+00	2.08E-08
1710	440757.75	3769486.83	1.0677E-07	1.202E-07	0.00E+00	2.27E-07	1.20E-07	1.75E-07	0.00E+00	2.95E-07	2.02E-08	2.98E-08	0.00E+00	5.00E-08	8.83E-09	1.19E-08	0.00E+00	2.08E-08
1711	440742.97	3769480.72	1.0644E-07	1.1983E-07	0.00E+00	2.26E-07	1.20E-07	1.74E-07	0.00E+00	2.94E-07	2.01E-08	2.97E-08	0.00E+00	4.98E-08	8.80E-09	1.19E-08	0.00E+00	2.07E-08
1712	440728.19	3769474.61	1.0608E-07	1.1943E-07	0.00E+00	2.26E-07	1.20E-07	1.74E-07	0.00E+00	2.93E-07	2.01E-08	2.96E-08	0.00E+00	4.97E-08	8.77E-09	1.19E-08	0.00E+00	2.06E-08
1713	440713.42	3769468.5	1.0552E-07	1.188E-07	0.00E+00	2.24E-07	1.19E-07	1.73E-07	0.00E+00	2.92E-07	1.99E-08	2.94E-08	0.00E+00	4.94E-08	8.72E-09	1.18E-08	0.00E+00	2.05E-08
1714	440698.64	3769462.4	1.0489E-07	1.1809E-07	0.00E+00	2.23E-07	1.18E-07	1.72E-07	0.00E+00	2.90E-07	1.98E-08	2.93E-08	0.00E+00	4.91E-08	8.67E-09	1.17E-08	0.00E+00	2.04E-08
1715	440683.86	3769456.29	1.0424E-07	1.1736E-07	0.00E+00	2.22E-07	1.18E-07	1.71E-07	0.00E+00	2.88E-07	1.97E-08	2.91E-08	0.00E+00	4.88E-08	8.62E-09	1.17E-08	0.00E+00	2.03E-08
1716	440669.08	3769450.18	1.0362E-07	1.1666E-07	0.00E+00	2.20E-07	1.17E-07	1.70E-07	0.00E+00	2.86E-07	1.96E-08	2.89E-08	0.00E+00	4.85E-08	8.57E-09	1.16E-08	0.00E+00	2.01E-08
1717	440654.31	3769444.07	1.0338E-07	1.1639E-07	0.00E+00	2.20E-07	1.17E-07	1.69E-07	0.00E+00	2.86E-07	1.95E-08	2.88E-08	0.00E+00	4.84E-08	8.55E-09	1.16E-08	0.00E+00	2.01E-08
1718	440639.53	3769437.96	1.0317E-07	1.1615E-07	0.00E+00	2.19E-07	1.16E-07	1.69E-07	0.00E+00	2.85E-07	1.95E-08	2.88E-08	0.00E+00	4.83E-08	8.53E-09	1.15E-08	0.00E+00	2.01E-08
1719	440624.75	3769431.86	1.0312E-07	1.161E-07	0.00E+00	2.19E-07	1.16E-07	1.69E-07	0.00E+00	2.85E-07	1.95E-08	2.88E-08	0.00E+00	4.83E-08	8.53E-09	1.15E-08	0.00E+00	2.01E-08

1720	440405.1	3768919.61	1.8209E-07	2.0501E-07	0.00E+00	3.87E-07	2.05E-07	2.98E-07	0.00E+00	5.03E-07	3.44E-08	5.08E-08	0.00E+00	8.52E-08	1.51E-08	2.04E-08	0.00E+00	3.54E-08
1721	440398.95	3768904.85	1.8441E-07	2.0762E-07	0.00E+00	3.92E-07	2.08E-07	3.02E-07	0.00E+00	5.10E-07	3.49E-08	5.15E-08	0.00E+00	8.63E-08	1.52E-08	2.06E-08	0.00E+00	3.59E-08
1722	440392.8	3768890.09	1.8671E-07	2.1021E-07	0.00E+00	3.97E-07	2.10E-07	3.06E-07	0.00E+00	5.16E-07	3.53E-08	5.21E-08	0.00E+00	8.74E-08	1.54E-08	2.09E-08	0.00E+00	3.63E-08
1723	440386.64	3768875.33	1.8898E-07	2.1276E-07	0.00E+00	4.02E-07	2.13E-07	3.09E-07	0.00E+00	5.22E-07	3.57E-08	5.27E-08	0.00E+00	8.85E-08	1.56E-08	2.11E-08	0.00E+00	3.67E-08
1724	440380.49	3768860.57	1.9118E-07	2.1525E-07	0.00E+00	4.06E-07	2.15E-07	3.13E-07	0.00E+00	5.28E-07	3.61E-08	5.33E-08	0.00E+00	8.95E-08	1.58E-08	2.14E-08	0.00E+00	3.72E-08
1725	440374.34	3768845.81	1.9332E-07	2.1765E-07	0.00E+00	4.11E-07	2.18E-07	3.16E-07	0.00E+00	5.34E-07	3.65E-08	5.39E-08	0.00E+00	9.05E-08	1.60E-08	2.16E-08	0.00E+00	3.76E-08
1726	440368.19	3768831.05	1.9539E-07	2.1998E-07	0.00E+00	4.15E-07	2.20E-07	3.20E-07	0.00E+00	5.40E-07	3.69E-08	5.45E-08	0.00E+00	9.15E-08	1.62E-08	2.18E-08	0.00E+00	3.80E-08
1727	440362.03	3768816.29	1.9739E-07	2.2224E-07	0.00E+00	4.20E-07	2.22E-07	3.23E-07	0.00E+00	5.46E-07	3.73E-08	5.51E-08	0.00E+00	9.24E-08	1.63E-08	2.21E-08	0.00E+00	3.84E-08
1728	441260.86	3769691.45	9.7032E-08	1.0924E-07	0.00E+00	2.06E-07	1.09E-07	1.59E-07	0.00E+00	2.68E-07	1.83E-08	2.71E-08	0.00E+00	4.54E-08	8.02E-09	1.08E-08	0.00E+00	1.89E-08
1729	441276.98	3769691.45	9.7473E-08	1.0974E-07	0.00E+00	2.07E-07	1.10E-07	1.60E-07	0.00E+00	2.69E-07	1.84E-08	2.72E-08	0.00E+00	4.56E-08	8.06E-09	1.09E-08	0.00E+00	1.90E-08
1730	441184.92	3768798.56	2.6689E-06	3.0048E-06	0.00E+00	5.67E-06	3.01E-06	4.37E-06	0.00E+00	7.38E-06	5.05E-07	7.45E-07	0.00E+00	1.25E-06	2.21E-07	2.98E-07	0.00E+00	5.19E-07
1731	441164.92	3768798.25	2.2832E-06	2.5706E-06	0.00E+00	4.85E-06	2.57E-06	3.74E-06	0.00E+00	6.31E-06	4.32E-07	6.37E-07	0.00E+00	1.07E-06	1.89E-07	2.55E-07	0.00E+00	4.44E-07
1732	441144.92	3768797.94	1.9843E-06	0.000002234	0.00E+00	4.22E-06	2.24E-06	3.25E-06	0.00E+00	5.48E-06	3.75E-07	5.54E-07	0.00E+00	9.29E-07	1.64E-07	2.22E-07	0.00E+00	3.86E-07
1733	441124.92	3768797.63	1.7456E-06	1.9653E-06	0.00E+00	3.71E-06	1.97E-06	2.86E-06	0.00E+00	4.82E-06	3.30E-07	4.87E-07	0.00E+00	8.17E-07	1.44E-07	1.95E-07	0.00E+00	3.39E-07
1734	441104.93	3768797.32	1.5528E-06	1.7482E-06	0.00E+00	3.30E-06	1.75E-06	2.54E-06	0.00E+00	4.29E-06	2.94E-07	4.33E-07	0.00E+00	7.27E-07	1.28E-07	1.74E-07	0.00E+00	3.02E-07
1735	441084.93	3768797.01	1.3936E-06	0.000001569	0.00E+00	2.96E-06	1.57E-06	2.28E-06	0.00E+00	3.85E-06	2.63E-07	3.89E-07	0.00E+00	6.52E-07	1.15E-07	1.56E-07	0.00E+00	2.71E-07
1736	440544.99	3768788.6	2.8026E-07	3.1554E-07	0.00E+00	5.96E-07	3.16E-07	4.59E-07	0.00E+00	7.75E-07	5.30E-08	7.82E-08	0.00E+00	1.31E-07	2.32E-08	3.13E-08	0.00E+00	5.45E-08
1737	440465.14	3768778.68	2.4575E-07	2.7668E-07	0.00E+00	5.22E-07	2.77E-07	4.02E-07	0.00E+00	6.79E-07	4.65E-08	6.86E-08	0.00E+00	1.15E-07	2.03E-08	2.75E-08	0.00E+00	4.78E-08
1738	441137.32	3768830.21	0.000001511	1.7012E-06	0.00E+00	3.21E-06	1.70E-06	2.47E-06	0.00E+00	4.18E-06	2.86E-07	4.22E-07	0.00E+00	7.07E-07	1.25E-07	1.69E-07	0.00E+00	2.94E-07
1739	441117.41	3768830.05	1.3638E-06	1.5355E-06	0.00E+00	2.90E-06	1.54E-06	2.23E-06	0.00E+00	3.77E-06	2.58E-07	3.81E-07	0.00E+00	6.38E-07	1.13E-07	1.52E-07	0.00E+00	2.65E-07
1740	441097.48	3768829.87	1.2388E-06	1.3947E-06	0.00E+00	2.63E-06	1.40E-06	2.03E-06	0.00E+00	3.42E-06	2.34E-07	3.46E-07	0.00E+00	5.80E-07	1.02E-07	1.38E-07	0.00E+00	2.41E-07
1741	441090.28	3768853.96	1.0486E-06	1.1806E-06	0.00E+00	2.23E-06	1.18E-06	1.72E-06	0.00E+00	2.90E-06	1.98E-07	2.93E-07	0.00E+00	4.91E-07	8.67E-08	1.17E-07	0.00E+00	2.04E-07
1742	441296.19	3769250.82	2.7395E-07	3.0843E-07	0.00E+00	5.82E-07	3.09E-07	4.48E-07	0.00E+00	7.57E-07	5.18E-08	7.64E-08	0.00E+00	1.28E-07	2.27E-08	3.06E-08	0.00E+00	5.33E-08
1743	441286.86	3769249.97	2.7269E-07	3.0702E-07	0.00E+00	5.80E-07	3.07E-07	4.46E-07	0.00E+00	7.54E-07	5.16E-08	7.61E-08	0.00E+00	1.28E-07	2.25E-08	3.05E-08	0.00E+00	5.30E-08
1744	441221.51	3769244	2.636E-07	2.9678E-07	0.00E+00	5.60E-07	2.97E-07	4.31E-07	0.00E+00	7.29E-07	4.98E-08	7.35E-08	0.00E+00	1.23E-07	2.18E-08	2.95E-08	0.00E+00	5.13E-08
1745	441202.84	3769242.3	2.6105E-07	2.9391E-07	0.00E+00	5.55E-07	2.94E-07	4.27E-07	0.00E+00	7.21E-07	4.94E-08	7.28E-08	0.00E+00	1.22E-07	2.16E-08	2.92E-08	0.00E+00	5.08E-08
1746	441193.51	3769241.45	2.5969E-07	2.9238E-07	0.00E+00	5.52E-07	2.93E-07	4.25E-07	0.00E+00	7.18E-07	4.91E-08	7.25E-08	0.00E+00	1.22E-07	2.15E-08	2.90E-08	0.00E+00	5.05E-08
1747	441184.17	3769240.6	2.583E-07	2.9081E-07	0.00E+00	5.49E-07	2.91E-07	4.23E-07	0.00E+00	7.14E-07	4.88E-08	7.21E-08	0.00E+00	1.21E-07	2.14E-08	2.89E-08	0.00E+00	5.02E-08
1748	441174.84	3769239.74	2.5688E-07	2.8922E-07	0.00E+00	5.46E-07	2.90E-07	4.20E-07	0.00E+00	7.10E-07	4.86E-08	7.17E-08	0.00E+00	1.20E-07	2.12E-08	2.87E-08	0.00E+00	5.00E-08
1749	441165.5	3769238.89	2.5365E-07	2.8558E-07	0.00E+00	5.39E-07	2.86E-07	4.15E-07	0.00E+00	7.01E-07	4.80E-08	7.08E-08	0.00E+00	1.19E-07	2.10E-08	2.84E-08	0.00E+00	4.93E-08
1750	441156.17	3769238.04	2.5213E-07	2.8387E-07	0.00E+00	5.36E-07	2.84E-07	4.13E-07	0.00E+00	6.97E-07	4.77E-08	7.04E-08	0.00E+00	1.18E-07	2.08E-08	2.82E-08	0.00E+00	4.90E-08
1751	441146.83	3769237.19	2.5055E-07	2.8209E-07	0.00E+00	5.33E-07	2.82E-07	4.10E-07	0.00E+00	6.92E-07	4.74E-08	6.99E-08	0.00E+00	1.17E-07	2.07E-08	2.80E-08	0.00E+00	4.87E-08
1752	441137.5	3769236.34	2.4891E-07	2.8024E-07	0.00E+00	5.29E-07	2.81E-07	4.07E-07	0.00E+00	6.88E-07	4.71E-08	6.95E-08	0.00E+00	1.17E-07	2.06E-08	2.78E-08	0.00E+00	4.84E-08
1753	441081.49	3769231.22	2.3898E-07	2.6906E-07	0.00E+00	5.08E-07	2.69E-07	3.91E-07	0.00E+00	6.60E-07	4.52E-08	6.67E-08	0.00E+00	1.12E-07	1.98E-08	2.67E-08	0.00E+00	4.65E-08
1754	441072.15	3769230.37	2.3727E-07	2.6713E-07	0.00E+00	5.04E-07	2.67E-07	3.88E-07	0.00E+00	6.56E-07	4.49E-08	6.62E-08	0.00E+00	1.11E-07	1.96E-08	2.65E-08	0.00E+00	4.61E-08
1755	441062.82	3769229.52	2.355E-07	2.6514E-07	0.00E+00	5.01E-07	2.65E-07	3.85E-07	0.00E+00	6.51E-07	4.45E-08	6.57E-08	0.00E+00	1.10E-07	1.95E-08	2.63E-08	0.00E+00	4.58E-08
1756	441053.48	3769228.67	2.337E-07	2.6312E-07	0.00E+00	4.97E-07	2.63E-07	3.82E-07	0.00E+00	6.46E-07	4.42E-08	6.52E-08	0.00E+00	1.09E-07	1.93E-08	2.61E-08	0.00E+00	4.54E-08
1757	441044.15	3769227.82	2.3188E-07	2.6106E-07	0.00E+00	4.93E-07	2.61E-07	3.79E-07	0.00E+00	6.41E-07	4.38E-08	6.47E-08	0.00E+00	1.09E-07	1.92E-08	2.59E-08	0.00E+00	4.51E-08
1758	441034.81	3769226.96	2.3003E-07	2.5899E-07	0.00E+00	4.89E-07	2.59E-07	3.76E-07	0.00E+00	6.36E-07	4.35E-08	6.42E-08	0.00E+00	1.08E-07	1.90E-08	2.57E-08	0.00E+00	4.47E-08
1759	441025.48	3769226.11	2.2812E-07	2.5683E-07	0.00E+00	4.85E-07	2.57E-07	3.73E-07	0.00E+00	6.30E-07	4.31E-08	6.36E-08	0.00E+00	1.07E-07	1.89E-08	2.55E-08	0.00E+00	4.44E-08
1760	441002.46	3769216.11	2.2744E-07	2.5607E-07	0.00E+00	4.84E-07	2.56E-07	3.72E-07	0.00E+00	6.29E-07	4.30E-08	6.35E-08	0.00E+00	1.06E-07	1.88E-08	2.54E-08	0.00E+00	4.42E-08
1761	440998.1	3769207.8	2.3078E-07	2.5983E-07	0.00E+00	4.91E-07	2.60E-07	3.78E-07	0.00E+00	6.38E-07	4.36E-08	6.44E-08	0.00E+00	1.08E-07	1.91E-08	2.58E-08	0.00E+00	4.49E-08
1762	441265.03	3769283.26	2.3862E-07	2.6866E-07	0.00E+00	5.07E-07	2.69E-07	3.91E-07	0.00E+00	6.60E-07	4.51E-08	6.66E-08	0.00E+00	1.12E-07	1.97E-08	2.67E-08	0.00E+00	4.64E-08
1763	441255.68	3769282.4	2.375E-07	2.6739E-07	0.00E+00	5.05E-07	2.68E-07	3.89E-07	0.00E+00	6.56E-07	4.49E-08	6.63E-08	0.00E+00	1.11E-07	1.96E-08	2.65E-08	0.00E+00	4.62E-08
1764	441068.71	3769265.34	2.1615E-07	2.4336E-07	0.00E+00	4.60E-07	2.44E-07	3.54E-07	0.00E+00	5.97E-07	4.09E-08	6.03E-08	0.00E+00	1.01E-07	1.79E-08	2.42E-08	0.00E+00	4.20E-08
1765	441059.36	3769264.48	2.147E-07	2.4173E-07	0.00E+00	4.56E-07	2.42E-07	3.51E-07	0.00E+00	5.93E-07	4.06E-08	5.99E-08	0.00E+00	1.00E-07	1.78E-08	2.40E-08	0.00E+00	4.18E-08
1766	441050.01	3769263.63	2.1303E-07	2.3985E-07	0.00E+00	4.53E-07	2.40E-07	3.49E-07	0.00E+00	5.89E-07	4.03E-08	5.94E-08	0.00E+00	9.97E-08	1.76E-08	2.38E-08	0.00E+00	4.14E-08
1767	441040.66	3769262.78	2.113E-07	2.3789E-07	0.00E+00	4.49E-07	2.38E-07	3.46E-07	0.00E+00	5.84E-07	3.99E-08	5.90E-08	0.00E+00	9.89E-08	1.75E-08	2.36E-08	0.00E+00	4.11E-08
1768	441031.32	3769261.92	2.0951E-07	2.3588E-07	0.00E+00	4.45E-07	2.36E-07	3.43E-07	0.00E+00	5.79E-07	3.96E-08	5.85E-08	0.00E+00	9.81E-08	1.73E-08	2.34E-08	0.00E+00	4.07E-08
1769	441021.97	3769261.07	2.079E-07	2.3407E-07	0.00E+00	4.42E-07	2.34E-07	3.40E-07	0.00E+00	5.75E-07	3.93E-08	5.80E-08	0.00E+00	9.73E-08	1.72E-08	2.32E-08	0.00E+00	4.04E-08
1770	441012.62	3769260.22	2.063E-07	2.3226E-07	0.00E+00	4.39E-07	2.33E-07	3.38E-07	0.00E+00	5.70E-07	3.90E-08	5.76E-08	0.00E+00	9.66E-08	1.71E-08	2.31E-08	0.00E+00	4.01E-08
1771	441003.27	3769259.36	2.0468E-07	2.3044E-07	0.00E+00	4.35E-07	2.31E-07	3.35E-07	0.00E+00	5.66E-07	3.87E-08	5.71E-08	0.00E+00	9.58E-08	1.69E-08	2.29E-08	0.00E+00	3.98E-08
1772	440975.86	3769241.03	2.0677E-07	2.3279E-07	0.00E+00	4.40E-07	2.33E-07	3.38E-07	0.00E+00	5.71E-07	3.91E-08	5.77E-08	0.00E+00	9.68E-08	1.71E-08	2.31E-08	0.00E+00	4.02E-08
1773	440971.5	3769232.72	2.0973E-07	2.3613E-07	0.00E+00	4.46E-07	2.36E-07	3.43E-07	0.00E+00	5.80E-07	3.96E-08	5.85E-08	0.00E+00	9.82E-08	1.73E-08	2.34E-08	0.00E+00	4.08E-08
1774	440967.14	3769224.4	2.1293E-07	2.3972E-07	0.00E+00	4.53E-07	2.40E-07	3.48E-07	0.00E+00	5.88E-07	4.03E-08	5.94E-08	0.00E+00	9.97E-08	1.76E-08	2.38E-08	0.00E+00	4.14E-08
1775	441055.94	3769299.45	1.9632E-07	2.2103E-07	0.00E+00	4.17E-07	2.21E-07	3.21E-07	0.00E+00	5.43E-07	3.71E-08	5.48E-08	0.00E+00	9.19E-08	1.62E-08	2.19E-08	0.00E+00	3.82E-08
1776	441046.58	3769298.6	1.9505E-07	2.196E-07	0.00E+00	4.15E-07	2.20E-07	3.19E-07	0.00E+00	5.39E-07	3.69E-08	5.44E-08	0.00E+00	9.13E-08	1.61E-08	2.18E-08	0.00E+00	3.79E-08
1777	441037.22	3769297.74	1.9375E-07	2.1814E-07	0.00E+00	4.12E-07	2.18E-07	3.17E-07	0.00E+00	5.35E-07	3.66E-08	5.41E-08	0.00E+00	9.07E-08	1.60E-08	2.17E-08	0.00E+00	3.77E-08
1778	441027.86	3769296.89	1.9243E-07	2.1666E-07	0.00E+00	4.09E-07	2.17E-07	3.15E-07	0.00E+00	5.32E-07	3.64E-08	5.37E-08	0.00E+00	9.01E-08	1.59E-08	2.15E-08	0.00E+00	3.74E-08
1779	441018.5	3769296.03	1.911E-07	2.1516E-07	0.00E+00	4.06E-07	2.15E-07	3.13E-07	0.00E+00	5.28E-07	3.61E-08	5.33E-08	0.00E+00	8.94E-08	1.58E-08	2.14E-08	0.00E+00	3.72E-08
1780	441009.14	3769295.18	1.8975E-07	2.1363E-07	0.00E+00	4.03E-07	2.14E-07	3.11E-07	0.00E+00	5.24E-07	3.59E-08	5.29E-08	0.00E+00	8.88E-08	1.57E-08	2.12E-08	0.00E+00	3.69E-08
1781	440999.78	3769294.32	1.8837E-07	2.1208E-07	0.00E+00	4.00E-07	2.12E-07	3.08E-07	0.00E+00	5.21E-07	3.56E-08	5.26E-08	0.00E+00	8.82E-08	1.56E-08	2.11E-08	0.00E+00	3.66E-08
1782	440990.42	3769293.47	1.8656E-07	2.1005E-07	0.00E+00	3.97E-07	2.10E-07	3.05E-07	0.00E+00	5.16E-07	3.53E-08	5.21E-08	0.00E+00	8.73E-08	1.54E-08	2.09E-08	0.00E+00	3.63E-08
1783	440927.42	3769224.31	2.0349E-07	2.2911E-07	0.00E+00	4.33E-07	2.29E-07	3.33E-07	0.00E+00	5.62E-07	3.85E-08	5.68E-08	0.00E+00	9.52E-08	1.68E-08	2.27E-08	0.00E+00	3.96E-08
1784	440923.06	3769215.99	2.0634E-07	2.3231E-07	0.00E+00	4.39E-07	2.33E-07	3.38E-07	0.00E+00	5.70E-07	3.90E-08	5.76E-08	0.00E+00	9.66E-08	1.71E-08	2.31E-08	0.00E+00	4.01E-08
1785	440918.69	3769207.66	2.0922E-07	2.3555E-07	0.00E+00	4.45E-07	2.36E-07	3.42E-07	0.00E+00	5.78E-07	3.96E-08	5.84E-08	0.00E+00	9.79E-08	1.73E-08	2.34E-08	0.00E+00	4.07E-08
1786	440914.33	3769199.34	2.1214E-07	2.3884E-07	0.00E+00	4.51E-07	2.39E-07	3.47E-07	0.00E+00	5.86E-07	4.01E-08	5.92E-08	0.00E+00	9.93E-08	1.75E-08	2.37E-08	0.00E+00	4.13E-08
1787	440900.78	3769249.15	1.8631E-07	2.0976E-07	0.00E+00	3.96E-07	2.10E-07	3.05E-07	0.00E+00	5.15E-07	3.52E-08	5.20E-08	0.00E+00	8.72E-08	1.54E-08	2.08E-08	0.00E+00	3.62E-08
1788	440896.41	3769240.82	1.8859E-07	2.1232E-07	0.00E+00	4.01E-07	2.13E-07	3.09E-07	0.00E+00	5.21E-07	3.57E-08	5.26E-08	0.00E+00	8.83E-08	1.56E-08	2.11E-08	0.00E+00	3.67E-08
1789	440892.04	3769232.49	1.9077E-07	2.1478E-07	0.00E+00	4.06E-07	2.15E-07	3.12E-07	0.00E+00	5.27E-07	3.61E-08	5.32E-08	0.00E+00	8.93E-08	1.58E-08	2.13E-08	0.00E+00	3.71E-08
1790	440878.93	3769207.49	1.9801E-07	2.2293E-07	0.00E+00	4.21E-07	2.23E-07	3.24E-07	0.00E+00	5.47E-07	3.74E-08	5.52E-08	0.00E+00	9.27E-08	1.64E-08	2.21E-08	0.00E+00	3.85E-08
1791	440874.56	3769199.15	2.0051E-07	2.2575E-07	0.00E+00	4.26E-07	2.26E-07	3.28E-07	0.00E+00	5.54E-07	3.79E-08	5.59E-08	0.00E+00	9.39E-08	1.66E-08	2.24E-08	0.00E+00	3.90E-08
1792	440852.26	3769232.28	1.8145E-07	2.0428E-07	0.00E+00	3.86E-07	2.05E-07	2.97E-07	0.00E+00	5.01E-07	3.43E-08	5.06E-08	0.00E+00	8.49E-08	1.50E-08	2.03E-08	0.00E+00	3.53E-08
1793	440847.89	3769223.94	1.8352E-07	2.0662E-07	0.00E+00	3.90E-07	2.07E-07	3.00E-07	0.00E+00	5.07E-07	3.47E-08	5.12E-08	0.00E+00	8.59E-08	1.52E-08	2.05E-08	0.00E+00	3.57E-08
1794	440843.52	3769215.6	1.857E-07	2.0908E-07	0.00E+00	3.95E-07	2.09E-07	3.04E-07	0.00E+00	5.13E-07	3.51E-08	5.18E-08	0.00E+00	8.69E-08	1.54E-08	2.08E-08	0.00E+00	3.61E-08
1795	440839.14	3769207.26	0.000000188	2.1166E-07	0.00E+00	4.00E-07	2.12E-07	3.08E-07	0.00E+00	5.20E-07	3.55E-08	5.25E-08	0.00E+00	8.80E-08	1.55E-08	2.10E-08	0.00E+00	3.66E-08
1796	440986.13	3769434.19	1.3944E-07	1.5699E-07	0.00E+00	2.96E-07	1.57E-07	2.28E-07	0.00E+00	3.85E-07	2.64E-08	3.89E-08	0.00E+00	6.53E-08	1.15E-08	1.56E-08	0.00E+00	2.71E-08
1797	440976.73	3769433.34	1.3892E-07	1.5641E-07	0.00E+00	2.95E-07	1.57E-07	2.27E-07	0.00E+00	3.84E-07	2.63E-08	3.88E-08	0.00E+00	6.50E-08	1.15E-08	1.55E-08	0.00E+00	2.70E-08
1798	440967.34	3769432.48	1.3832E-07	1.5573E-07	0.00E+00	2.94E-07	1.56E-07	2.26E-07	0.00E+00	3.82E-07	2.61E-08	3.86E-08	0.00E+00	6.47E-08	1.14E-08	1.55E-08	0.00E+00	2.69E-08
1799	440957.94	3769431.62	1.3758E-07	1.549E-07	0.00E+00	2.92E-07	1.55E-07	2.25E-07	0.00E+00	3.80E-07	2.60E-08	3.84E-08	0.00E+00	6.44E-08	1.14E-08	1.54E-08	0.00E+00	2.68E-08
1800	440948.55	3769430.76	1.3681E-07	1.5403E-07	0.00E+00	2.91E-07	1.54E-07	2.24E-07	0.00E+00	3.78E-07	2.59E-08	3.82E-08	0.00E+00	6.40E-08	1.13E-08	1.53E-08	0.00E+00	2.66E-08
1801	440939.15	3769429.91	1.3601E-07	1.5313E-07	0.00E+00	2.89E-07	1.53E-07	2.23E-07	0.00E+00	3.76E-07	2.57E-08	3.79E-08	0.00E+00	6.37E-08	1.12E-08	1.52E-08	0.00E+00	2.64E-08
1802	440549.24	3768805.62	2.7497E-07	3.0958E-07	0.00E+00	5.85E-07	3.10E-07	4.50E-07	0.00E+00	7.60E-07	5.20E-08	7.67E-08	0.00E+00	1.29E-07	2.27E-08	3.07E-08	0.00E+00	5.35E-08
1803	441584.44	3769524.08	1.6392E-07	1.8455E-07	0.00E+00	3.48E-07	1.85E-07	2.68E-07	0.00E+00	4.53E-07	3.10E-08	4.57E-08	0.00E+00	7.67E-08	1.36E-08	1.83E-08	0.00E+00	3.19E-08
1804	441575.04	3769523.23	1.6325E-07	1.838E-07	0.00E+00	3.47E-07	1.84E-07	2.67E-07	0.00E+00	4.51E-07	3.09E-08	4.56E-08	0.00E+00	7.64E-08	1.35E-08	1.82E-08	0.00E+00	3.17E-08
1805	441565.64	3769522.37	1.6246E-07	1.8291E-07	0.00E+00	3.45E-07	1.83E-07	2.66E-07	0.00E+00	4.49E-07	3.07E-08	4.53E-08	0.00E+00	7.60E-08	1.34E-08	1.82E-08	0.00E+00	3.16E-08
1806	441556.24	3769521.51	1.6156E-07	1.8189E-07	0.00E+00	3.43E-07	1.82E-07	2.64E-07	0.00E+00	4.47E-07	3.05E-08	4.51E-08	0.00E+00	7.56E-08	1.34E-08	1.81E-08	0.00E+00	3.14E-08
1807	441434.02	3769510.35	1.4921E-07	1.6799E-07	0.00E+00	3.17E-07	1.68E-07	2.44E-07	0.00E+00	4.12E-07	2.82E-08	4.16E-08	0.00E+00	6.98E-08	1.23E-08	1.67E-08	0.00E+00	2.90E-08
1808	441424.62	3769509.5	1.4836E-07	1.6703E-07	0.00E+00	3.15E-07	1.67E-07	2.43E-07	0.00E+00	4.10E-07	2.80E-08	4.14E-08	0.00E+00	6.94E-08	1.23E-08	1.66E-08	0.00E+00	2.88E-08
1809	441415.22	3769508.64	1.4764E-07	1.6622E-07	0.00E+00	3.14E-07	1.66E-07	2.42E-07	0.00E+00	4.08E-07	2.79E-08	4.12E-08	0.00E+00	6.91E-08	1.22E-08	1.65E-08	0.00E+00	2.87E-08
1810	441405.82	3769507.78	1.4706E-07	1.6557E-07	0.00E+00	3.13E-07	1.66E-07	2.41E-07	0.00E+00	4.06E-07	2.78E-08	4.10E-08	0.00E+00	6.88E-08	1.22E-08	1.64E-08	0.00E+00	2.86E-08
1811	441396.42	3769506.92	1.4652E-07	1.6496E-07	0.00E+00	3.11E-07	1.65E-07	2.40E-07	0.00E+00	4.05E-07	2.77E-08	4.09E-08	0.00E+00	6.86E-08	1.21E-08	1.64E-08	0.00E+00	2.85E-08
1812	441387.02	3769506.06	0.000000146	1.6438E-07	0.00E+00	3.10E-07	1.65E-07	2.39E-07	0.00E+00	4.04E-07	2.76E-08	4.07E-08	0.00E+00	6.83E-08	1.21E-08	1.63E-08	0.00E+00	2.84E-08
1813	441377.62	3769505.21	1.4552E-07	1.6384E-07	0.00E+00	3.09E-07	1.64E-07	2.38E-07	0.00E+00	4.02E-07	2.75E-08	4.06E-08	0.00E+00	6.81E-08	1.20E-08	1.63E-08	0.00E+00	2.83E-08
1814	441368.22	3769504.35	1.4507E-07	1.6333E-07	0.00E+00	3.08E-07	1.64E-07	2.37E-07	0.00E+00	4.01E-07	2.74E-08	4.05E-08	0.00E+00	6.79E-08	1.20E-08	1.62E-08	0.00E+00	2.82E-08
1815	441358.81	3769503.49	1.4464E-07	1.6284E-07	0.00E+00	3.07E-07	1.63E-07	2.37E-07	0.00E+00	4.00E-07	2.73E-08	4.04E-08	0.00E+00	6.77E-08	1.20E-08	1.62E-08	0.00E+00	2.81E-08
1816	441349.41	3769502.63	1.4421E-07	1.6236E-07	0.00E+00	3.07E-07	1.63E-07	2.36E-07	0.00E+00	3.99E-07	2.73E-08	4.02E-08	0.00E+00	6.75E-08	1.19E-08	1.61E-08	0.00E+00	2.80E-08
1817	441340.01	3769501.77	1.4383E-07	1.6193E-07	0.00E+00	3.06E-07	1.62E-07	2.35E-07	0.00E+00	3.98E-07	2.72E-08	4.01E-08	0.00E+00	6.73E-08	1.19E-08	1.61E-08	0.00E+00	2.80E-08
1818	441330.61	3769500.92	1.4348E-07	1.6154E-07	0.00E+00	3.05E-07	1.62E-07	2.35E-07	0.00E+00	3.97E-07	2.71E-08	4.00E-08	0.00E+00	6.72E-08	1.19E-08	1.60E-08	0.00E+00	2.79E-08
1819	441321.21	3769500.06	1.4291E-07	1.609E-07	0.00E+00	3.04E-07	1.61E-07	2.34E-07	0.00E+00	3.95E-07	2.70E-08	3.99E-08	0.00E+00	6.69E-08	1.18E-08	1.60E-08	0.00E+00	2.78E-08
1820	441311.81	3769499.2	1.4236E-07	1.6028E-07	0.00E+00	3.03E-07	1.60E-07	2.33E-07	0.00E+00	3.93E-07	2.69E-08	3.97E-08	0.00E+00	6.66E-08	1.18E-08	1.59E-08	0.00E+00	2.77E-08
1821	441302.41	3769498.34	1.4185E-07	1.597E-07	0.00E+00	3.02E-07	1.60E-07	2.32E-07	0.00E+00	3.92E-07	2.68E-08	3.96E-08	0.00E+00	6.64E-08	1.17E-08	1.59E-08	0.00E+00	2.76E-08
1822	441293.01	3769497.48	1.4152E-07	1.5934E-07	0.00E+00	3.01E-07	1.60E-07	2.32E-07	0.00E+00	3.91E-07	2.68E-08	3.95E-08	0.00E+00	6.62E-08	1.17E-08	1.58E-08	0.00E+00	2.75E-08
1823	441236.6	3769492.33	1.395E-07	1.5706E-07	0.00E+00	2.97E-07	1.57E-07	2.28E-07	0.00E+00	3.86E-07	2.64E-08	3.89E-08	0.00E+00	6.53E-08	1.15E-08	1.56E-08	0.00E+00	2.71E-08
1824	441227.2	3769491.48	1.3919E-07	1.5671E-07	0.00E+00	2.96E-07	1.57E-07	2.28E-07	0.00E+00	3.85E-07	2.63E-08	3.88E-08	0.00E+00	6.52E-08	1.15E-08	1.56E-08	0.00E+00	2.71E-08
1825	441217.8	3769490.62	1.3888E-07	1.5636E-07	0.00E+00	2.95E-07	1.57E-07	2.27E-07	0.00E+00	3.84E-07	2.63E-08	3.88E-08	0.00E+00	6.50E-08	1.15E-08	1.55E-08	0.00E+00	2.70E-08
1826	441208.4	3769489.76	1.386E-07	1.5605E-07	0.00E+00	2.95E-07	1.56E-07	2.27E-07	0.00E+00	3.83E-07	2.62E-08	3.87E-08	0.00E+00	6.49E-08	1.15E-08	1.55E-08	0.00E+00	2.70E-08
1827	441180.19	3769487.19	1.3805E-07	1.5543E-07	0.00E+00	2.93E-07	1.56E-07	2.26E-07	0.00E+00	3.82E-07	2.61E-08	3.85E-08	0.00E+00	6.46E-08	1.14E-08	1.54E-08	0.00E+00	2.68E-08
1828	441170.79	3769486.33	1.3781E-07	1.5515E-07	0.00E+00	2.93E-07	1.55E-07	2.26E-07	0.00E+00	3.81E-07	2.61E-08	3.85E-08	0.00E+00	6.45E-08	1.14E-08	1.54E-08	0.00E+00	2.68E-08
1829	441151.99	3769484.61	1.3735E-07	1.5464E-07	0.00E+00	2.92E-07	1.55E-07	2.25E-07	0.00E+00	3.80E-07	2.60E-08	3.83E-08	0.00E+00	6.43E-08	1.14E-08	1.54E-08	0.00E+00	2.67E-08
1830	441104.98	3769480.32	1.3595E-07	1.5306E-07	0.00E+00	2.89E-07	1.53E-07	2.22E-07	0.00E+00	3.76E-07	2.57E-08	3.79E-08	0.00E+00	6.36E-08	1.12E-08	1.52E-08	0.00E+00	2.64E-08
1831	441095.58	3769479.46	1.3555E-07	1.5262E-07	0.00E+00	2.88E-07	1.53E-07	2.22E-07	0.00E+00	3.75E-07	2.56E-08	3.78E-08	0.00E+00	6.34E-08	1.12E-08	1.52E-08	0.00E+00	2.64E-08
1832	441086.18	3769478.61	1.351E-07	1.521E-07	0.00E+00	2.87E-07	1.52E-07	2.21E-07	0.00E+00	3.73E-07	2.55E-08	3.77E-08	0.00E+00	6.32E-08	1.12E-08	1.51E-08	0.00E+00	2.63E-08
1833	441076.78	3769477.75	1.3455E-07	1.5149E-07	0.00E+00	2.86E-07	1.52E-07	2.20E-07	0.00E+00	3.72E-07	2.54E-08	3.75E-08	0.00E+00	6.30E-08	1.11E-08	1.50E-08	0.00E+00	2.62E-08
1834	441067.38	3769476.89	1.3401E-07	1.5087E-07	0.00E+00	2.85E-07	1.51E-07	2.19E-07	0.00E+00	3.70E-07	2.53E-08	3.74E-08	0.00E+00	6.27E-08	1.11E-08	1.50E-08	0.00E+00	2.61E-08
1835	441057.98	3769476.03	1.3344E-07	1.5024E-07	0.00E+00	2.84E-07	1.50E-07	2.18E-07	0.00E+00	3.69E-07	2.52E-08	3.72E-08	0.00E+00	6.25E-08	1.10E-08	1.49E-08	0.00E+00	2.59E-08
1836	441048.58	3769475.17	1.3286E-07	1.4959E-07	0.00E+00	2.82E-07	1.50E-07	2.17E-07	0.00E+00	3.67E-07	2.51E-08	3.71E-08	0.00E+00	6.22E-08	1.10E-08	1.49E-08	0.00E+00	2.58E-08
1837	440982.77	3769469.17	1.2977E-07	1.461E-07	0.00E+00	2.76E-07	1.46E-07	2.12E-07	0.00E+00	3.59E-07	2.45E-08	3.62E-08	0.00E+00	6.07E-08	1.07E-08	1.45E-08	0.00E+00	2.52E-08
1838	440973.37	3769468.31	1.294E-07	1.4569E-07	0.00E+00	2.75E-07	1.46E-07	2.12E-07	0.00E+00	3.58E-07	2.45E-08	3.61E-08	0.00E+00	6.06E-08	1.07E-08	1.45E-08	0.00E+00	2.52E-08
1839	440963.97	3769467.45	1.2891E-07	1.4514E-07	0.00E+00	2.74E-07	1.45E-07	2.11E-07	0.00E+00	3.56E-07	2.44E-08	3.60E-08	0.00E+00	6.03E-08	1.07E-08	1.44E-08	0.00E+00	2.51E-08
1840	440954.57	3769466.59	1.2833E-07	1.4448E-07	0.00E+00	2.73E-07	1.45E-07	2.10E-07	0.00E+00	3.55E-07	2.43E-08	3.58E-08	0.00E+00	6.01E-08	1.06E-08	1.43E-08	0.00E+00	2.50E-08
1841	440945.16	3769465.73	1.2773E-07	1.4381E-07	0.00E+00	2.72E-07	1.44E-07	2.09E-07	0.00E+00	3.53E-07	2.41E-08	3.56E-08	0.00E+00	5.98E-08	1.06E-08	1.43E-08	0.00E+00	2.48E-08
1842	440935.76	3769464.88	1.2717E-07	1.4318E-07	0.00E+00	2.70E-07	1.43E-07	2.08E-07	0.00E+00	3.51E-07	2.40E-08	3.55E-08	0.00E+00	5.95E-08	1.05E-08	1.42E-08	0.00E+00	2.47E-08

1843	440926.36	3769464.02	1.2664E-07	1.4258E-07	0.00E+00	2.69E-07	1.43E-07	2.07E-07	0.00E+00	3.50E-07	2.39E-08	3.53E-08	0.00E+00	5.93E-08	1.05E-08	1.42E-08	0.00E+00	2.46E-08
1844	440916.96	3769463.16	1.2609E-07	1.4196E-07	0.00E+00	2.68E-07	1.42E-07	2.06E-07	0.00E+00	3.48E-07	2.38E-08	3.52E-08	0.00E+00	5.90E-08	1.04E-08	1.41E-08	0.00E+00	2.45E-08
1845	440776.63	3769315.02	1.4245E-07	1.6037E-07	0.00E+00	3.03E-07	1.61E-07	2.33E-07	0.00E+00	3.94E-07	2.69E-08	3.97E-08	0.00E+00	6.67E-08	1.18E-08	1.59E-08	0.00E+00	2.77E-08
1846	440772.25	3769306.66	1.4395E-07	1.6206E-07	0.00E+00	3.06E-07	1.62E-07	2.36E-07	0.00E+00	3.98E-07	2.72E-08	4.02E-08	0.00E+00	6.74E-08	1.19E-08	1.61E-08	0.00E+00	2.80E-08
1847	440763.48	3769289.94	1.4718E-07	1.657E-07	0.00E+00	3.13E-07	1.66E-07	2.41E-07	0.00E+00	4.07E-07	2.78E-08	4.11E-08	0.00E+00	6.89E-08	1.22E-08	1.64E-08	0.00E+00	2.86E-08
1848	440509.25	3768805.01	2.5572E-07	2.8791E-07	0.00E+00	5.44E-07	2.88E-07	4.19E-07	0.00E+00	7.07E-07	4.83E-08	7.14E-08	0.00E+00	1.20E-07	2.11E-08	2.86E-08	0.00E+00	4.97E-08
1849	441593.84	3769524.94	1.6457E-07	1.8528E-07	0.00E+00	3.50E-07	1.86E-07	2.69E-07	0.00E+00	4.55E-07	3.11E-08	4.59E-08	0.00E+00	7.70E-08	1.36E-08	1.84E-08	0.00E+00	3.20E-08
1850	441602.52	3769521.2	1.6714E-07	1.8817E-07	0.00E+00	3.55E-07	1.88E-07	2.74E-07	0.00E+00	4.62E-07	3.16E-08	4.66E-08	0.00E+00	7.82E-08	1.38E-08	1.87E-08	0.00E+00	3.25E-08
1851	441611.2	3769517.45	1.6987E-07	1.9126E-07	0.00E+00	3.61E-07	1.91E-07	2.78E-07	0.00E+00	4.69E-07	3.21E-08	4.74E-08	0.00E+00	7.95E-08	1.40E-08	1.90E-08	0.00E+00	3.30E-08
1852	441619.88	3769513.71	1.7263E-07	1.9435E-07	0.00E+00	3.67E-07	1.95E-07	2.83E-07	0.00E+00	4.77E-07	3.26E-08	4.82E-08	0.00E+00	8.08E-08	1.43E-08	1.93E-08	0.00E+00	3.36E-08
1853	441628.55	3769509.96	1.754E-07	1.9747E-07	0.00E+00	3.73E-07	1.98E-07	2.87E-07	0.00E+00	4.85E-07	3.32E-08	4.89E-08	0.00E+00	8.21E-08	1.45E-08	1.96E-08	0.00E+00	3.41E-08
1854	441600.29	3769560.81	1.5172E-07	1.7081E-07	0.00E+00	3.23E-07	1.71E-07	2.48E-07	0.00E+00	4.19E-07	2.87E-08	4.23E-08	0.00E+00	7.10E-08	1.25E-08	1.70E-08	0.00E+00	2.95E-08
1855	441590.88	3769559.95	1.5114E-07	1.7016E-07	0.00E+00	3.21E-07	1.70E-07	2.47E-07	0.00E+00	4.18E-07	2.86E-08	4.22E-08	0.00E+00	7.07E-08	1.25E-08	1.69E-08	0.00E+00	2.94E-08
1856	441581.47	3769559.09	1.5057E-07	1.6952E-07	0.00E+00	3.20E-07	1.70E-07	2.46E-07	0.00E+00	4.16E-07	2.85E-08	4.20E-08	0.00E+00	7.05E-08	1.24E-08	1.68E-08	0.00E+00	2.93E-08
1857	441572.07	3769558.23	0.00000015	1.6888E-07	0.00E+00	3.19E-07	1.69E-07	2.45E-07	0.00E+00	4.15E-07	2.84E-08	4.19E-08	0.00E+00	7.02E-08	1.24E-08	1.68E-08	0.00E+00	2.92E-08
1858	441562.66	3769557.37	1.4922E-07	0.000000168	0.00E+00	3.17E-07	1.68E-07	2.44E-07	0.00E+00	4.12E-07	2.82E-08	4.16E-08	0.00E+00	6.98E-08	1.23E-08	1.67E-08	0.00E+00	2.90E-08
1859	441430.96	3769545.35	1.3749E-07	1.5479E-07	0.00E+00	2.92E-07	1.55E-07	2.25E-07	0.00E+00	3.80E-07	2.60E-08	3.84E-08	0.00E+00	6.44E-08	1.14E-08	1.54E-08	0.00E+00	2.67E-08
1860	441421.55	3769544.5	1.3691E-07	1.5414E-07	0.00E+00	2.91E-07	1.54E-07	2.24E-07	0.00E+00	3.78E-07	2.59E-08	3.82E-08	0.00E+00	6.41E-08	1.13E-08	1.53E-08	0.00E+00	2.66E-08
1861	441412.15	3769543.64	1.3637E-07	1.5354E-07	0.00E+00	2.90E-07	1.54E-07	2.23E-07	0.00E+00	3.77E-07	2.58E-08	3.81E-08	0.00E+00	6.38E-08	1.13E-08	1.52E-08	0.00E+00	2.65E-08
1862	441402.74	3769542.78	1.3586E-07	1.5296E-07	0.00E+00	2.89E-07	1.53E-07	2.22E-07	0.00E+00	3.75E-07	2.57E-08	3.79E-08	0.00E+00	6.36E-08	1.12E-08	1.52E-08	0.00E+00	2.64E-08
1863	441393.33	3769541.92	1.3539E-07	1.5243E-07	0.00E+00	2.88E-07	1.53E-07	2.22E-07	0.00E+00	3.74E-07	2.56E-08	3.78E-08	0.00E+00	6.34E-08	1.12E-08	1.51E-08	0.00E+00	2.63E-08
1864	441383.93	3769541.06	1.3494E-07	1.5193E-07	0.00E+00	2.87E-07	1.52E-07	2.21E-07	0.00E+00	3.73E-07	2.55E-08	3.77E-08	0.00E+00	6.32E-08	1.12E-08	1.51E-08	0.00E+00	2.62E-08
1865	441374.52	3769540.2	1.3453E-07	1.5146E-07	0.00E+00	2.86E-07	1.52E-07	2.20E-07	0.00E+00	3.72E-07	2.54E-08	3.75E-08	0.00E+00	6.30E-08	1.11E-08	1.50E-08	0.00E+00	2.62E-08
1866	441365.11	3769539.34	1.3414E-07	1.5102E-07	0.00E+00	2.85E-07	1.51E-07	2.20E-07	0.00E+00	3.71E-07	2.54E-08	3.74E-08	0.00E+00	6.28E-08	1.11E-08	1.50E-08	0.00E+00	2.61E-08
1867	441355.71	3769538.49	1.3368E-07	1.5051E-07	0.00E+00	2.84E-07	1.51E-07	2.19E-07	0.00E+00	3.69E-07	2.53E-08	3.73E-08	0.00E+00	6.26E-08	1.11E-08	1.49E-08	0.00E+00	2.60E-08
1868	441346.3	3769537.63	1.3314E-07	1.4989E-07	0.00E+00	2.83E-07	1.50E-07	2.18E-07	0.00E+00	3.68E-07	2.52E-08	3.71E-08	0.00E+00	6.23E-08	1.10E-08	1.49E-08	0.00E+00	2.59E-08
1869	441336.89	3769536.77	1.3259E-07	1.4928E-07	0.00E+00	2.82E-07	1.49E-07	2.17E-07	0.00E+00	3.66E-07	2.51E-08	3.70E-08	0.00E+00	6.21E-08	1.10E-08	1.48E-08	0.00E+00	2.58E-08
1870	441327.48	3769535.91	1.321E-07	1.4873E-07	0.00E+00	2.81E-07	1.49E-07	2.16E-07	0.00E+00	3.65E-07	2.50E-08	3.69E-08	0.00E+00	6.18E-08	1.09E-08	1.48E-08	0.00E+00	2.57E-08
1871	441318.08	3769535.05	1.3175E-07	1.4833E-07	0.00E+00	2.80E-07	1.49E-07	2.16E-07	0.00E+00	3.64E-07	2.49E-08	3.68E-08	0.00E+00	6.17E-08	1.09E-08	1.47E-08	0.00E+00	2.56E-08
1872	441308.67	3769534.19	1.3142E-07	1.4796E-07	0.00E+00	2.79E-07	1.48E-07	2.15E-07	0.00E+00	3.63E-07	2.48E-08	3.67E-08	0.00E+00	6.15E-08	1.09E-08	1.47E-08	0.00E+00	2.56E-08
1873	441299.26	3769533.33	1.3112E-07	1.4762E-07	0.00E+00	2.79E-07	1.48E-07	2.15E-07	0.00E+00	3.62E-07	2.48E-08	3.66E-08	0.00E+00	6.14E-08	1.08E-08	1.47E-08	0.00E+00	2.55E-08
1874	441289.86	3769532.47	1.3086E-07	1.4733E-07	0.00E+00	2.78E-07	1.48E-07	2.14E-07	0.00E+00	3.62E-07	2.47E-08	3.65E-08	0.00E+00	6.13E-08	1.08E-08	1.46E-08	0.00E+00	2.54E-08
1875	441214.6	3769525.61	1.2951E-07	1.4581E-07	0.00E+00	2.75E-07	1.46E-07	2.12E-07	0.00E+00	3.58E-07	2.45E-08	3.61E-08	0.00E+00	6.06E-08	1.07E-08	1.45E-08	0.00E+00	2.52E-08
1876	441205.19	3769524.75	1.2934E-07	1.4562E-07	0.00E+00	2.75E-07	1.46E-07	2.12E-07	0.00E+00	3.57E-07	2.45E-08	3.61E-08	0.00E+00	6.05E-08	1.07E-08	1.45E-08	0.00E+00	2.52E-08
1877	441176.97	3769522.17	1.2904E-07	1.4529E-07	0.00E+00	2.74E-07	1.45E-07	2.11E-07	0.00E+00	3.57E-07	2.44E-08	3.60E-08	0.00E+00	6.04E-08	1.07E-08	1.44E-08	0.00E+00	2.51E-08
1878	441167.57	3769521.31	1.2875E-07	1.4496E-07	0.00E+00	2.74E-07	1.45E-07	2.11E-07	0.00E+00	3.56E-07	2.43E-08	3.59E-08	0.00E+00	6.03E-08	1.06E-08	1.44E-08	0.00E+00	2.50E-08
1879	441158.16	3769520.45	1.2846E-07	1.4463E-07	0.00E+00	2.73E-07	1.45E-07	2.10E-07	0.00E+00	3.55E-07	2.43E-08	3.58E-08	0.00E+00	6.01E-08	1.06E-08	1.44E-08	0.00E+00	2.50E-08
1880	441148.75	3769519.6	1.2813E-07	1.4426E-07	0.00E+00	2.72E-07	1.44E-07	2.10E-07	0.00E+00	3.54E-07	2.42E-08	3.58E-08	0.00E+00	6.00E-08	1.06E-08	1.43E-08	0.00E+00	2.49E-08
1881	441101.72	3769515.3	1.2559E-07	1.414E-07	0.00E+00	2.67E-07	1.42E-07	2.06E-07	0.00E+00	3.47E-07	2.37E-08	3.50E-08	0.00E+00	5.88E-08	1.04E-08	1.40E-08	0.00E+00	2.44E-08
1882	441082.9	3769513.59	1.2461E-07	1.4029E-07	0.00E+00	2.65E-07	1.40E-07	2.04E-07	0.00E+00	3.44E-07	2.36E-08	3.48E-08	0.00E+00	5.83E-08	1.03E-08	1.39E-08	0.00E+00	2.42E-08
1883	441073.5	3769512.73	1.2411E-07	1.3973E-07	0.00E+00	2.64E-07	1.40E-07	2.03E-07	0.00E+00	3.43E-07	2.35E-08	3.46E-08	0.00E+00	5.81E-08	1.03E-08	1.39E-08	0.00E+00	2.41E-08
1884	441064.09	3769511.87	1.236E-07	1.3916E-07	0.00E+00	2.63E-07	1.39E-07	2.02E-07	0.00E+00	3.42E-07	2.34E-08	3.45E-08	0.00E+00	5.79E-08	1.02E-08	1.38E-08	0.00E+00	2.40E-08
1885	441054.68	3769511.01	1.2319E-07	1.3869E-07	0.00E+00	2.62E-07	1.39E-07	2.02E-07	0.00E+00	3.40E-07	2.33E-08	3.44E-08	0.00E+00	5.77E-08	1.02E-08	1.38E-08	0.00E+00	2.40E-08
1886	441045.28	3769510.15	1.2282E-07	1.3827E-07	0.00E+00	2.61E-07	1.38E-07	2.01E-07	0.00E+00	3.39E-07	2.32E-08	3.43E-08	0.00E+00	5.75E-08	1.02E-08	1.37E-08	0.00E+00	2.39E-08
1887	441035.87	3769509.29	1.2241E-07	1.3782E-07	0.00E+00	2.60E-07	1.38E-07	2.00E-07	0.00E+00	3.38E-07	2.31E-08	3.42E-08	0.00E+00	5.73E-08	1.01E-08	1.37E-08	0.00E+00	2.38E-08
1888	441017.05	3769507.58	1.2174E-07	1.3706E-07	0.00E+00	2.59E-07	1.37E-07	1.99E-07	0.00E+00	3.36E-07	2.30E-08	3.40E-08	0.00E+00	5.70E-08	1.01E-08	1.36E-08	0.00E+00	2.37E-08
1889	440970.02	3769503.28	1.2036E-07	1.3551E-07	0.00E+00	2.56E-07	1.36E-07	1.97E-07	0.00E+00	3.33E-07	2.28E-08	3.36E-08	0.00E+00	5.63E-08	9.95E-09	1.35E-08	0.00E+00	2.34E-08
1890	440960.61	3769502.42	1.2005E-07	1.3515E-07	0.00E+00	2.55E-07	1.35E-07	1.96E-07	0.00E+00	3.32E-07	2.27E-08	3.35E-08	0.00E+00	5.62E-08	9.93E-09	1.34E-08	0.00E+00	2.33E-08
1891	440951.21	3769501.57	1.1972E-07	1.3478E-07	0.00E+00	2.55E-07	1.35E-07	1.96E-07	0.00E+00	3.31E-07	2.26E-08	3.34E-08	0.00E+00	5.60E-08	9.90E-09	1.34E-08	0.00E+00	2.33E-08
1892	440941.8	3769500.71	1.1936E-07	1.3438E-07	0.00E+00	2.54E-07	1.35E-07	1.95E-07	0.00E+00	3.30E-07	2.26E-08	3.33E-08	0.00E+00	5.59E-08	9.87E-09	1.33E-08	0.00E+00	2.32E-08
1893	440932.39	3769499.85	0.000000119	1.3397E-07	0.00E+00	2.53E-07	1.34E-07	1.95E-07	0.00E+00	3.29E-07	2.25E-08	3.32E-08	0.00E+00	5.57E-08	9.84E-09	1.33E-08	0.00E+00	2.31E-08
1894	440922.99	3769498.99	1.1861E-07	1.3354E-07	0.00E+00	2.52E-07	1.34E-07	1.94E-07	0.00E+00	3.28E-07	2.24E-08	3.31E-08	0.00E+00	5.55E-08	9.81E-09	1.33E-08	0.00E+00	2.31E-08
1895	440913.58	3769498.13	1.182E-07	1.3307E-07	0.00E+00	2.51E-07	1.33E-07	1.93E-07	0.00E+00	3.27E-07	2.23E-08	3.30E-08	0.00E+00	5.53E-08	9.77E-09	1.32E-08	0.00E+00	2.30E-08
1896	440904.17	3769497.27	1.1776E-07	1.3258E-07	0.00E+00	2.50E-07	1.33E-07	1.93E-07	0.00E+00	3.25E-07	2.23E-08	3.29E-08	0.00E+00	5.51E-08	9.74E-09	1.32E-08	0.00E+00	2.29E-08
1897	440847.73	3769492.12	1.1414E-07	1.285E-07	0.00E+00	2.43E-07	1.29E-07	1.87E-07	0.00E+00	3.15E-07	2.16E-08	3.18E-08	0.00E+00	5.34E-08	9.44E-09	1.28E-08	0.00E+00	2.22E-08
1898	440838.32	3769491.26	1.1325E-07	1.2751E-07	0.00E+00	2.41E-07	1.28E-07	1.85E-07	0.00E+00	3.13E-07	2.14E-08	3.16E-08	0.00E+00	5.30E-08	9.36E-09	1.27E-08	0.00E+00	2.20E-08
1899	440473.64	3768812.76	2.3734E-07	2.6721E-07	0.00E+00	5.05E-07	2.68E-07	3.88E-07	0.00E+00	6.56E-07	4.49E-08	6.62E-08	0.00E+00	1.11E-07	1.96E-08	2.65E-08	0.00E+00	4.62E-08
1900	440469.26	3768804.39	2.3851E-07	2.6853E-07	0.00E+00	5.07E-07	2.69E-07	3.90E-07	0.00E+00	6.59E-07	4.51E-08	6.65E-08	0.00E+00	1.12E-07	1.97E-08	2.67E-08	0.00E+00	4.64E-08
1901	441609.69	3769561.67	1.5254E-07	1.7174E-07	0.00E+00	3.24E-07	1.72E-07	2.50E-07	0.00E+00	4.22E-07	2.88E-08	4.26E-08	0.00E+00	7.14E-08	1.26E-08	1.70E-08	0.00E+00	2.97E-08
1902	441618.37	3769557.92	1.5482E-07	1.743E-07	0.00E+00	3.29E-07	1.75E-07	2.53E-07	0.00E+00	4.28E-07	2.93E-08	4.32E-08	0.00E+00	7.25E-08	1.28E-08	1.73E-08	0.00E+00	3.01E-08
1903	441627.05	3769554.18	1.5716E-07	1.7694E-07	0.00E+00	3.34E-07	1.77E-07	2.57E-07	0.00E+00	4.34E-07	2.97E-08	4.39E-08	0.00E+00	7.36E-08	1.30E-08	1.76E-08	0.00E+00	3.06E-08
1904	441635.73	3769550.43	1.5968E-07	1.7978E-07	0.00E+00	3.39E-07	1.80E-07	2.61E-07	0.00E+00	4.41E-07	3.02E-08	4.46E-08	0.00E+00	7.47E-08	1.32E-08	1.78E-08	0.00E+00	3.11E-08
1905	441644.4	3769546.69	1.6228E-07	1.8271E-07	0.00E+00	3.45E-07	1.83E-07	2.66E-07	0.00E+00	4.49E-07	3.07E-08	4.53E-08	0.00E+00	7.60E-08	1.34E-08	1.81E-08	0.00E+00	3.16E-08
1906	441616.24	3769597.54	1.4279E-07	1.6077E-07	0.00E+00	3.04E-07	1.61E-07	2.34E-07	0.00E+00	3.95E-07	2.70E-08	3.98E-08	0.00E+00	6.68E-08	1.18E-08	1.60E-08	0.00E+00	2.78E-08
1907	441606.93	3769596.69	1.4182E-07	1.5966E-07	0.00E+00	3.01E-07	1.60E-07	2.32E-07	0.00E+00	3.92E-07	2.68E-08	3.96E-08	0.00E+00	6.64E-08	1.17E-08	1.59E-08	0.00E+00	2.76E-08
1908	441597.63	3769595.85	1.4086E-07	1.5859E-07	0.00E+00	2.99E-07	1.59E-07	2.31E-07	0.00E+00	3.89E-07	2.66E-08	3.93E-08	0.00E+00	6.59E-08	1.16E-08	1.57E-08	0.00E+00	2.74E-08
1909	441588.32	3769595	1.4004E-07	1.5766E-07	0.00E+00	2.98E-07	1.58E-07	2.29E-07	0.00E+00	3.87E-07	2.65E-08	3.91E-08	0.00E+00	6.55E-08	1.16E-08	1.57E-08	0.00E+00	2.72E-08
1910	441579.02	3769594.15	1.3922E-07	1.5674E-07	0.00E+00	2.96E-07	1.57E-07	2.28E-07	0.00E+00	3.85E-07	2.63E-08	3.88E-08	0.00E+00	6.52E-08	1.15E-08	1.56E-08	0.00E+00	2.71E-08
1911	441569.71	3769593.3	1.3841E-07	1.5583E-07	0.00E+00	2.94E-07	1.56E-07	2.27E-07	0.00E+00	3.83E-07	2.62E-08	3.86E-08	0.00E+00	6.48E-08	1.14E-08	1.55E-08	0.00E+00	2.69E-08
1912	441560.41	3769592.45	1.3784E-07	1.5519E-07	0.00E+00	2.93E-07	1.55E-07	2.26E-07	0.00E+00	3.81E-07	2.61E-08	3.85E-08	0.00E+00	6.45E-08	1.14E-08	1.54E-08	0.00E+00	2.68E-08
1913	441551.1	3769591.6	1.373E-07	1.5458E-07	0.00E+00	2.92E-07	1.55E-07	2.25E-07	0.00E+00	3.79E-07	2.60E-08	3.83E-08	0.00E+00	6.43E-08	1.14E-08	1.53E-08	0.00E+00	2.67E-08
1914	441541.8	3769590.75	1.3676E-07	1.5398E-07	0.00E+00	2.91E-07	1.54E-07	2.24E-07	0.00E+00	3.78E-07	2.59E-08	3.82E-08	0.00E+00	6.40E-08	1.13E-08	1.53E-08	0.00E+00	2.66E-08
1915	441532.49	3769589.9	1.3606E-07	1.5318E-07	0.00E+00	2.89E-07	1.53E-07	2.23E-07	0.00E+00	3.76E-07	2.57E-08	3.80E-08	0.00E+00	6.37E-08	1.13E-08	1.52E-08	0.00E+00	2.65E-08
1916	441523.19	3769589.05	1.3531E-07	1.5234E-07	0.00E+00	2.88E-07	1.53E-07	2.21E-07	0.00E+00	3.74E-07	2.56E-08	3.78E-08	0.00E+00	6.33E-08	1.12E-08	1.51E-08	0.00E+00	2.63E-08
1917	441513.88	3769588.2	1.3457E-07	1.515E-07	0.00E+00	2.86E-07	1.52E-07	2.20E-07	0.00E+00	3.72E-07	2.54E-08	3.75E-08	0.00E+00	6.30E-08	1.11E-08	1.50E-08	0.00E+00	2.62E-08
1918	441504.58	3769587.35	1.3384E-07	1.5069E-07	0.00E+00	2.85E-07	1.51E-07	2.19E-07	0.00E+00	3.70E-07	2.53E-08	3.73E-08	0.00E+00	6.26E-08	1.11E-08	1.50E-08	0.00E+00	2.60E-08
1919	441495.27	3769586.5	1.3313E-07	1.4989E-07	0.00E+00	2.83E-07	1.50E-07	2.18E-07	0.00E+00	3.68E-07	2.52E-08	3.71E-08	0.00E+00	6.23E-08	1.10E-08	1.49E-08	0.00E+00	2.59E-08
1920	441485.96	3769585.65	1.3245E-07	1.4912E-07	0.00E+00	2.82E-07	1.49E-07	2.17E-07	0.00E+00	3.66E-07	2.50E-08	3.70E-08	0.00E+00	6.20E-08	1.10E-08	1.48E-08	0.00E+00	2.58E-08
1921	441476.66	3769584.8	1.317E-07	1.4828E-07	0.00E+00	2.80E-07	1.48E-07	2.16E-07	0.00E+00	3.64E-07	2.49E-08	3.67E-08	0.00E+00	6.16E-08	1.09E-08	1.47E-08	0.00E+00	2.56E-08
1922	441467.35	3769583.95	1.3082E-07	1.4729E-07	0.00E+00	2.78E-07	1.47E-07	2.14E-07	0.00E+00	3.62E-07	2.47E-08	3.65E-08	0.00E+00	6.12E-08	1.08E-08	1.46E-08	0.00E+00	2.54E-08
1923	441458.05	3769583.11	1.2996E-07	1.4631E-07	0.00E+00	2.76E-07	1.46E-07	2.13E-07	0.00E+00	3.59E-07	2.46E-08	3.63E-08	0.00E+00	6.08E-08	1.07E-08	1.45E-08	0.00E+00	2.53E-08
1924	441206.81	3769560.17	0.000000121	1.3623E-07	0.00E+00	2.57E-07	1.36E-07	1.98E-07	0.00E+00	3.34E-07	2.29E-08	3.38E-08	0.00E+00	5.66E-08	1.00E-08	1.35E-08	0.00E+00	2.35E-08
1925	441178.89	3769557.63	1.2032E-07	1.3547E-07	0.00E+00	2.56E-07	1.36E-07	1.97E-07	0.00E+00	3.33E-07	2.27E-08	3.36E-08	0.00E+00	5.63E-08	9.95E-09	1.34E-08	0.00E+00	2.34E-08
1926	441169.58	3769556.78	1.2026E-07	1.3539E-07	0.00E+00	2.56E-07	1.36E-07	1.97E-07	0.00E+00	3.32E-07	2.27E-08	3.36E-08	0.00E+00	5.63E-08	9.94E-09	1.34E-08	0.00E+00	2.34E-08
1927	441160.28	3769555.93	1.2017E-07	1.3529E-07	0.00E+00	2.55E-07	1.35E-07	1.97E-07	0.00E+00	3.32E-07	2.27E-08	3.35E-08	0.00E+00	5.62E-08	9.94E-09	1.34E-08	0.00E+00	2.34E-08
1928	441150.97	3769555.08	1.2006E-07	1.3517E-07	0.00E+00	2.55E-07	1.35E-07	1.96E-07	0.00E+00	3.32E-07	2.27E-08	3.35E-08	0.00E+00	5.62E-08	9.93E-09	1.34E-08	0.00E+00	2.33E-08
1929	441141.67	3769554.23	1.1937E-07	1.3439E-07	0.00E+00	2.54E-07	1.35E-07	1.95E-07	0.00E+00	3.30E-07	2.26E-08	3.33E-08	0.00E+00	5.59E-08	9.87E-09	1.33E-08	0.00E+00	2.32E-08
1930	441085.84	3769549.13	1.1529E-07	1.298E-07	0.00E+00	2.45E-07	1.30E-07	1.89E-07	0.00E+00	3.19E-07	2.18E-08	3.22E-08	0.00E+00	5.40E-08	9.53E-09	1.29E-08	0.00E+00	2.24E-08
1931	441076.53	3769548.28	1.1499E-07	1.2946E-07	0.00E+00	2.44E-07	1.30E-07	1.88E-07	0.00E+00	3.18E-07	2.17E-08	3.21E-08	0.00E+00	5.38E-08	9.51E-09	1.29E-08	0.00E+00	2.24E-08
1932	441067.23	3769547.43	1.1466E-07	1.291E-07	0.00E+00	2.44E-07	1.29E-07	1.88E-07	0.00E+00	3.17E-07	2.17E-08	3.20E-08	0.00E+00	5.37E-08	9.48E-09	1.28E-08	0.00E+00	2.23E-08
1933	441057.92	3769546.58	1.1441E-07	1.2881E-07	0.00E+00	2.43E-07	1.29E-07	1.87E-07	0.00E+00	3.16E-07	2.16E-08	3.19E-08	0.00E+00	5.36E-08	9.46E-09	1.28E-08	0.00E+00	2.22E-08
1934	441048.62	3769545.74	1.1442E-07	1.2882E-07	0.00E+00	2.43E-07	1.29E-07	1.87E-07	0.00E+00	3.16E-07	2.16E-08	3.19E-08	0.00E+00	5.36E-08	9.46E-09	1.28E-08	0.00E+00	2.22E-08
1935	441039.31	3769544.89	1.1442E-07	1.2882E-07	0.00E+00	2.43E-07	1.29E-07	1.87E-07	0.00E+00	3.16E-07	2.16E-08	3.19E-08	0.00E+00	5.36E-08	9.46E-09	1.28E-08	0.00E+00	2.22E-08
1936	441030.01	3769544.04	1.1439E-07	1.2879E-07	0.00E+00	2.43E-07	1.29E-07	1.87E-07	0.00E+00	3.16E-07	2.16E-08	3.19E-08	0.00E+00	5.35E-08	9.46E-09	1.28E-08	0.00E+00	2.22E-08
1937	441020.7	3769543.19	1.1434E-07	1.2873E-07	0.00E+00	2.43E-07	1.29E-07	1.87E-07	0.00E+00	3.16E-07	2.16E-08	3.19E-08	0.00E+00	5.35E-08	9.45E-09	1.28E-08	0.00E+00	2.22E-08
1938	440955.56	3769537.24	1.132E-07	1.2745E-07	0.00E+00	2.41E-07	1.28E-07	1.85E-07	0.00E+00	3.13E-07	2.14E-08	3.16E-08	0.00E+00	5.30E-08	9.36E-09	1.27E-08	0.00E+00	2.20E-08
1939	440946.26	3769536.39	1.1274E-07	1.2693E-07	0.00E+00	2.40E-07	1.27E-07	1.85E-07	0.00E+00	3.12E-07	2.13E-08	3.15E-08	0.00E+00	5.28E-08	9.32E-09	1.26E-08	0.00E+00	2.19E-08
1940	440936.95	3769535.54	1.1228E-07	1.2642E-07	0.00E+00	2.39E-07	1.27E-07	1.84E-07	0.00E+00	3.10E-07	2.12E-08	3.13E-08	0.00E+00	5.26E-08	9.28E-09	1.26E-08	0.00E+00	2.18E-08
1941	440927.65	3769534.69	1.1182E-07	1.2589E-07	0.00E+00	2.38E-07	1.26E-07	1.83E-07	0.00E+00	3.09E-07	2.11E-08	3.12E-08	0.00E+00	5.23E-08	9.25E-09	1.25E-08	0.00E+00	2.17E-08
1942	440918.34	3769533.84	1.1134E-07	1.2536E-07	0.00E+00	2.37E-07	1.26E-07	1.82E-07	0.00E+00	3.08E-07	2.10E-08	3.11E-08	0.00E+00	5.21E-08	9.21E-09	1.24E-08	0.00E+00	2.17E-08
1943	440909.04	3769533	1.1087E-07	1.2483E-07	0.00E+00	2.36E-07	1.25E-07	1.81E-07	0.00E+00	3.06E-07	2.10E-08	3.09E-08	0.00E+00	5.19E-08	9.17E-09	1.24E-08	0.00E+00	2.16E-08
1944	440899.73	3769532.15	1.1053E-07	1.2444E-07	0.00E+00	2.35E-07	1.25E-07	1.81E-07	0.00E+00	3.05E-07	2.09E-08	3.08E-08	0.00E+00	5.17E-08	9.14E-09	1.24E-08	0.00E+00	2.15E-08
1945	440890.43	3769531.3	1.1016E-07	1.2403E-07	0.00E+00	2.34E-07	1.24E-07	1.80E-07	0.00E+00	3.04E-07	2.08E-08	3.07E-08	0.00E+00	5.16E-08	9.11E-09	1.23E-08	0.00E+00	2.14E-08
1946	440834.59	3769526.2	1.0661E-07	1.2003E-07	0.00E+00	2.27E-07	1.20E-07	1.74E-07	0.00E+00	2.95E-07	2.02E-08	2.97E-08	0.00E+00	4.99E-08	8.82E-09	1.19E-08	0.00E+00	2.07E-08
1947	440825.29	3769525.35	1.0576E-07	1.1908E-07	0.00E+00	2.25E-07	1.19E-07	1.73E-07	0.00E+00	2.92E-07	2.00E-08	2.95E-08	0.00E+00	4.95E-08	8.74E-09	1.18E-08	0.00E+00	2.06E-08
1948	440802.34	3769515.38	1.0558E-07	1.1887E-07	0.00E+00	2.24E-07	1.19E-07	1.73E-07	0.00E+00	2.92E-07	2.00E-08	2.95E-08	0.00E+00	4.94E-08	8.73E-09	1.18E-08	0.00E+00	2.05E-08
1949	440784.99	3769482.27	1.0989E-07	1.2372E-07	0.00E+00	2.34E-07	1.24E-07	1.80E-07	0.00E+00	3.04E-07	2.08E-08	3.07E-08	0.00E+00	5.14E-08	9.09E-09	1.23E-08	0.00E+00	2.14E-08
1950	440780.65	3769474	1.1104E-07	1.2501E-07	0.00E+00	2.36E-07	1.25E-07	1.82E-07	0.00E+00	3.07E-07	2.10E-08	3.10E-08	0.00E+00	5.20E-08	9.18E-09	1.24E-08	0.00E+00	2.16E-08
1951	440776.31	3769465.72	1.1213E-07	1.2624E-07	0.00E+00	2.38E-07	1.26E-07	1.84E-07	0.00E+00	3.10E-07	2.12E-08	3.13E-08	0.00E+00	5.25E-08	9.27E-09	1.25E-08	0.00E+00	2.18E-08
1952	440758.95	3769432.62	1.1635E-07	1.3099E-07	0.00E+00	2.47E-07	1.31E-07	1.90E-07	0.00E+00	3.22E-07	2.20E-08	3.25E-08	0.00E+00	5.45E-08	9.62E-09	1.30E-08	0.00E+00	2.26E-08
1953	440754.61	3769424.35	1.1733E-07	1.321E-07	0.00E+00	2.49E-07	1.32E-07	1.92E-07	0.00E+00	3.24E-07	2.22E-08	3.27E-08	0.00E+00	5.49E-08	9.70E-09	1.31E-08	0.00E+00	2.28E-08
1954	440529	3768994.01	1.9312E-07	2.1743E-07	0.00E+00	4.11E-07	2.18E-07	3.16E-07	0.00E+00	5.34E-07	3.65E-08	5.39E-08	0.00E+00	9.04E-08	1.60E-08	2.16E-08	0.00E+00	3.76E-08
1955	440524.66	3768985.74	1.9465E-07	2.1915E-07	0.00E+00	4.14E-07	2.19E-07	3.19E-07	0.00E+00	5.38E-07	3.68E-08	5.43E-08	0.00E+00	9.11E-08	1.61E-08	2.18E-08	0.00E+00	3.79E-08
1956	440520.33	3768977.46	1.9618E-07	2.2087E-07	0.00E+00	4.17E-07	2.21E-07	3.21E-07	0.00E+00	5.42E-07	3.71E-08	5.47E-08	0.00E+00	9.18E-08	1.62E-08	2.19E-08	0.00E+00	3.81E-08
1957	440515.99	3768969.19	1.9766E-07	2.2254E-07	0.00E+00	4.20E-07	2.23E-07	3.23E-07	0.00E+00	5.46E-07	3.74E-08	5.52E-08	0.00E+00	9.25E-08	1.63E-08	2.21E-08	0.00E+00	3.84E-08
1958	440507.31	3768952.64	2.0066E-07	2.2591E-07	0.00E+00	4.27E-07	2.26E-07	3.28E-07	0.00E+00	5.55E-07	3.79E-08	5.60E-08	0.00E+00	9.39E-08	1.66E-08	2.24E-08	0.00E+00	3.90E-08
1959	440433.55	3768811.95	2.2231E-07	2.5029E-07	0.00E+00	4.73E-07	2.51E-07	3.64E-07	0.00E+00	6.14E-07	4.20E-08	6.20E-08	0.00E+00	1.04E-07	1.84E-08	2.48E-08	0.00E+00	4.32E-08
1960	440429.21	3768803.68	2.2329E-07	2.514E-07	0.00E+00	4.75E-07	2.52E-07	3.65E-07	0.00E+00	6.17E-07	4.22E-08	6.23E-08	0.00E+00	1.05E-07	1.85E-08	2.50E-08	0.00E+00	4.34E-08
1961	441625.54	3769598.39	1.4374E-07	1.6183E-07	0.00E+00	3.06E-07	1.62E-07	2.35E-07	0.00E+00	3.97E-07	2.72E-08	4.01E-08	0.00E+00	6.73E-08	1.19E-08	1.61E-08	0.00E+00	2.80E-08
1962	441634.22	3769594.65	1.4584E-07	1.6419E-07	0.00E+00	3.10E-07	1.64E-07	2.39E-07	0.00E+00	4.03E-07	2.76E-08	4.07E-08	0.00E+00	6.83E-08	1.21E-08	1.63E-08	0.00E+00	2.84E-08
1963	441642.9	3769590.9	1.4797E-07	1.666E-07	0.00E+00	3.15E-07	1.67E-07	2.42E-07	0.00E+00	4.09E-07	2.80E-08	4.13E-08	0.00E+00	6.93E-08	1.22E-08	1.65E-08	0.00E+00	2.88E-08
1964	441651.58	3769587.16	1.5011E-07	0.000000169	0.00E+00	3.19E-07	1.69E-07	2.46E-07	0.00E+00	4.15E-07	2.84E-08	4.19E-08	0.00E+00	7.03E-08	1.24E-08	1.68E-08	0.00E+00	2.92E-08
1965	441660.25	3769583.41	1.5224E-07	1.7141E-07	0.00E+00	3.24E-07	1.72E-07	2.49E-07	0.00E+00	4.21E-07	2.88E-08	4.25E-08	0.00E+00	7.13E-08	1.26E-08	1.70E-08	0.00E+00	2.96E-08

1966	441632.08	3769634.27	1.3488E-07	1.5186E-07	0.00E+00	2.87E-07	1.52E-07	2.21E-07	0.00E+00	3.73E-07	2.55E-08	3.76E-08	0.00E+00	6.31E-08	1.12E-08	1.51E-08	0.00E+00	2.62E-08
1967	441622.76	3769633.42	1.3403E-07	1.5089E-07	0.00E+00	2.85E-07	1.51E-07	2.19E-07	0.00E+00	3.70E-07	2.53E-08	3.74E-08	0.00E+00	6.27E-08	1.11E-08	1.50E-08	0.00E+00	2.61E-08
1968	441613.45	3769632.57	1.331E-07	1.4985E-07	0.00E+00	2.83E-07	1.50E-07	2.18E-07	0.00E+00	3.68E-07	2.52E-08	3.71E-08	0.00E+00	6.23E-08	1.10E-08	1.49E-08	0.00E+00	2.59E-08
1969	441604.13	3769631.72	1.3215E-07	1.4879E-07	0.00E+00	2.81E-07	1.49E-07	2.16E-07	0.00E+00	3.65E-07	2.50E-08	3.69E-08	0.00E+00	6.19E-08	1.09E-08	1.48E-08	0.00E+00	2.57E-08
1970	441594.82	3769630.87	1.3124E-07	1.4776E-07	0.00E+00	2.79E-07	1.48E-07	2.15E-07	0.00E+00	3.63E-07	2.48E-08	3.66E-08	0.00E+00	6.14E-08	1.09E-08	1.47E-08	0.00E+00	2.55E-08
1971	441585.51	3769630.02	1.3033E-07	1.4674E-07	0.00E+00	2.77E-07	1.47E-07	2.13E-07	0.00E+00	3.60E-07	2.46E-08	3.64E-08	0.00E+00	6.10E-08	1.08E-08	1.46E-08	0.00E+00	2.53E-08
1972	441576.19	3769629.17	1.2942E-07	1.4571E-07	0.00E+00	2.75E-07	1.46E-07	2.12E-07	0.00E+00	3.58E-07	2.45E-08	3.61E-08	0.00E+00	6.06E-08	1.07E-08	1.45E-08	0.00E+00	2.52E-08
1973	441566.88	3769628.32	1.2859E-07	1.4478E-07	0.00E+00	2.73E-07	1.45E-07	2.10E-07	0.00E+00	3.55E-07	2.43E-08	3.59E-08	0.00E+00	6.02E-08	1.06E-08	1.44E-08	0.00E+00	2.50E-08
1974	441557.56	3769627.47	1.2794E-07	1.4404E-07	0.00E+00	2.72E-07	1.44E-07	2.09E-07	0.00E+00	3.54E-07	2.42E-08	3.57E-08	0.00E+00	5.99E-08	1.06E-08	1.43E-08	0.00E+00	2.49E-08
1975	441548.25	3769626.62	1.2729E-07	1.4331E-07	0.00E+00	2.71E-07	1.43E-07	2.08E-07	0.00E+00	3.52E-07	2.41E-08	3.55E-08	0.00E+00	5.96E-08	1.05E-08	1.42E-08	0.00E+00	2.48E-08
1976	441538.93	3769625.77	1.2662E-07	1.4256E-07	0.00E+00	2.69E-07	1.43E-07	2.07E-07	0.00E+00	3.50E-07	2.39E-08	3.53E-08	0.00E+00	5.93E-08	1.05E-08	1.42E-08	0.00E+00	2.46E-08
1977	441529.62	3769624.92	1.2593E-07	1.4178E-07	0.00E+00	2.68E-07	1.42E-07	2.06E-07	0.00E+00	3.48E-07	2.38E-08	3.51E-08	0.00E+00	5.89E-08	1.04E-08	1.41E-08	0.00E+00	2.45E-08
1978	441520.3	3769624.07	1.2524E-07	1.4101E-07	0.00E+00	2.66E-07	1.41E-07	2.05E-07	0.00E+00	3.46E-07	2.37E-08	3.49E-08	0.00E+00	5.86E-08	1.04E-08	1.40E-08	0.00E+00	2.44E-08
1979	441510.99	3769623.22	1.2457E-07	1.4025E-07	0.00E+00	2.65E-07	1.40E-07	2.04E-07	0.00E+00	3.44E-07	2.35E-08	3.48E-08	0.00E+00	5.83E-08	1.03E-08	1.39E-08	0.00E+00	2.42E-08
1980	441501.67	3769622.37	1.2391E-07	1.395E-07	0.00E+00	2.63E-07	1.40E-07	2.03E-07	0.00E+00	3.42E-07	2.34E-08	3.46E-08	0.00E+00	5.80E-08	1.02E-08	1.38E-08	0.00E+00	2.41E-08
1981	441492.36	3769621.52	1.2327E-07	1.3879E-07	0.00E+00	2.62E-07	1.39E-07	2.02E-07	0.00E+00	3.41E-07	2.33E-08	3.44E-08	0.00E+00	5.77E-08	1.02E-08	1.38E-08	0.00E+00	2.40E-08
1982	441483.04	3769620.67	1.2267E-07	1.3811E-07	0.00E+00	2.61E-07	1.38E-07	2.01E-07	0.00E+00	3.39E-07	2.32E-08	3.42E-08	0.00E+00	5.74E-08	1.01E-08	1.37E-08	0.00E+00	2.39E-08
1983	441473.73	3769619.82	1.2211E-07	1.3747E-07	0.00E+00	2.60E-07	1.38E-07	2.00E-07	0.00E+00	3.37E-07	2.31E-08	3.41E-08	0.00E+00	5.72E-08	1.01E-08	1.36E-08	0.00E+00	2.37E-08
1984	441464.41	3769618.97	1.2156E-07	1.3686E-07	0.00E+00	2.58E-07	1.37E-07	1.99E-07	0.00E+00	3.36E-07	2.30E-08	3.39E-08	0.00E+00	5.69E-08	1.01E-08	1.36E-08	0.00E+00	2.36E-08
1985	441455.1	3769618.12	1.2103E-07	1.3626E-07	0.00E+00	2.57E-07	1.36E-07	1.98E-07	0.00E+00	3.34E-07	2.29E-08	3.38E-08	0.00E+00	5.66E-08	1.00E-08	1.35E-08	0.00E+00	2.35E-08
1986	441445.79	3769617.27	1.2052E-07	1.3569E-07	0.00E+00	2.56E-07	1.36E-07	1.97E-07	0.00E+00	3.33E-07	2.28E-08	3.36E-08	0.00E+00	5.64E-08	9.97E-09	1.35E-08	0.00E+00	2.34E-08
1987	441436.47	3769616.41	1.2005E-07	1.3516E-07	0.00E+00	2.55E-07	1.35E-07	1.96E-07	0.00E+00	3.32E-07	2.27E-08	3.35E-08	0.00E+00	5.62E-08	9.93E-09	1.34E-08	0.00E+00	2.33E-08
1988	441427.16	3769615.56	1.196E-07	1.3466E-07	0.00E+00	2.54E-07	1.35E-07	1.96E-07	0.00E+00	3.31E-07	2.26E-08	3.34E-08	0.00E+00	5.60E-08	9.89E-09	1.34E-08	0.00E+00	2.33E-08
1989	441417.84	3769614.71	1.1919E-07	1.3419E-07	0.00E+00	2.53E-07	1.34E-07	1.95E-07	0.00E+00	3.29E-07	2.25E-08	3.33E-08	0.00E+00	5.58E-08	9.86E-09	1.33E-08	0.00E+00	2.32E-08
1990	441408.53	3769613.86	1.188E-07	1.3375E-07	0.00E+00	2.53E-07	1.34E-07	1.94E-07	0.00E+00	3.28E-07	2.25E-08	3.31E-08	0.00E+00	5.56E-08	9.82E-09	1.33E-08	0.00E+00	2.31E-08
1991	441399.21	3769613.01	1.1843E-07	1.3334E-07	0.00E+00	2.52E-07	1.33E-07	1.94E-07	0.00E+00	3.27E-07	2.24E-08	3.30E-08	0.00E+00	5.54E-08	9.79E-09	1.32E-08	0.00E+00	2.30E-08
1992	441389.9	3769612.16	1.1809E-07	1.3295E-07	0.00E+00	2.51E-07	1.33E-07	1.93E-07	0.00E+00	3.26E-07	2.23E-08	3.29E-08	0.00E+00	5.53E-08	9.76E-09	1.32E-08	0.00E+00	2.30E-08
1993	441380.58	3769611.31	1.1792E-07	1.3277E-07	0.00E+00	2.51E-07	1.33E-07	1.93E-07	0.00E+00	3.26E-07	2.23E-08	3.29E-08	0.00E+00	5.52E-08	9.75E-09	1.32E-08	0.00E+00	2.29E-08
1994	441371.27	3769610.46	1.1776E-07	1.3259E-07	0.00E+00	2.50E-07	1.33E-07	1.93E-07	0.00E+00	3.25E-07	2.23E-08	3.29E-08	0.00E+00	5.51E-08	9.74E-09	1.32E-08	0.00E+00	2.29E-08
1995	441361.95	3769609.61	1.176E-07	1.324E-07	0.00E+00	2.50E-07	1.33E-07	1.92E-07	0.00E+00	3.25E-07	2.22E-08	3.28E-08	0.00E+00	5.50E-08	9.72E-09	1.31E-08	0.00E+00	2.29E-08
1996	441352.64	3769608.76	1.1734E-07	1.3211E-07	0.00E+00	2.49E-07	1.32E-07	1.92E-07	0.00E+00	3.24E-07	2.22E-08	3.27E-08	0.00E+00	5.49E-08	9.70E-09	1.31E-08	0.00E+00	2.28E-08
1997	441343.32	3769607.91	1.1707E-07	1.318E-07	0.00E+00	2.49E-07	1.32E-07	1.92E-07	0.00E+00	3.24E-07	2.21E-08	3.27E-08	0.00E+00	5.48E-08	9.68E-09	1.31E-08	0.00E+00	2.28E-08
1998	441334.01	3769607.06	1.1681E-07	1.3151E-07	0.00E+00	2.48E-07	1.32E-07	1.91E-07	0.00E+00	3.23E-07	2.21E-08	3.26E-08	0.00E+00	5.47E-08	9.66E-09	1.31E-08	0.00E+00	2.27E-08
1999	441324.69	3769606.21	1.1645E-07	1.3111E-07	0.00E+00	2.48E-07	1.31E-07	1.91E-07	0.00E+00	3.22E-07	2.20E-08	3.25E-08	0.00E+00	5.45E-08	9.63E-09	1.30E-08	0.00E+00	2.26E-08
2000	441315.38	3769605.36	1.1602E-07	1.3063E-07	0.00E+00	2.47E-07	1.31E-07	1.90E-07	0.00E+00	3.21E-07	2.19E-08	3.24E-08	0.00E+00	5.43E-08	9.59E-09	1.30E-08	0.00E+00	2.26E-08
2001	441306.06	3769604.51	1.1561E-07	1.3016E-07	0.00E+00	2.46E-07	1.30E-07	1.89E-07	0.00E+00	3.20E-07	2.19E-08	3.23E-08	0.00E+00	5.41E-08	9.56E-09	1.29E-08	0.00E+00	2.25E-08
2002	441296.75	3769603.66	1.1519E-07	1.2969E-07	0.00E+00	2.45E-07	1.30E-07	1.89E-07	0.00E+00	3.18E-07	2.18E-08	3.21E-08	0.00E+00	5.39E-08	9.52E-09	1.29E-08	0.00E+00	2.24E-08
2003	441287.44	3769602.81	1.1477E-07	1.2922E-07	0.00E+00	2.44E-07	1.29E-07	1.88E-07	0.00E+00	3.17E-07	2.17E-08	3.20E-08	0.00E+00	5.37E-08	9.49E-09	1.28E-08	0.00E+00	2.23E-08
2004	441278.12	3769601.96	1.1435E-07	1.2874E-07	0.00E+00	2.43E-07	1.29E-07	1.87E-07	0.00E+00	3.16E-07	2.16E-08	3.19E-08	0.00E+00	5.35E-08	9.46E-09	1.28E-08	0.00E+00	2.22E-08
2005	441268.81	3769601.11	1.1397E-07	1.2832E-07	0.00E+00	2.42E-07	1.28E-07	1.87E-07	0.00E+00	3.15E-07	2.15E-08	3.18E-08	0.00E+00	5.33E-08	9.42E-09	1.27E-08	0.00E+00	2.22E-08
2006	441259.49	3769600.26	1.1389E-07	1.2822E-07	0.00E+00	2.42E-07	1.28E-07	1.86E-07	0.00E+00	3.15E-07	2.15E-08	3.18E-08	0.00E+00	5.33E-08	9.42E-09	1.27E-08	0.00E+00	2.21E-08
2007	441250.18	3769599.41	1.1382E-07	1.2815E-07	0.00E+00	2.42E-07	1.28E-07	1.86E-07	0.00E+00	3.15E-07	2.15E-08	3.18E-08	0.00E+00	5.33E-08	9.41E-09	1.27E-08	0.00E+00	2.21E-08
2008	441240.86	3769598.56	1.1375E-07	1.2807E-07	0.00E+00	2.42E-07	1.28E-07	1.86E-07	0.00E+00	3.14E-07	2.15E-08	3.17E-08	0.00E+00	5.32E-08	9.41E-09	1.27E-08	0.00E+00	2.21E-08
2009	441175.66	3769592.61	1.1269E-07	1.2687E-07	0.00E+00	2.40E-07	1.27E-07	1.84E-07	0.00E+00	3.11E-07	2.13E-08	3.14E-08	0.00E+00	5.27E-08	9.32E-09	1.26E-08	0.00E+00	2.19E-08
2010	441166.34	3769591.76	1.1229E-07	1.2643E-07	0.00E+00	2.39E-07	1.27E-07	1.84E-07	0.00E+00	3.10E-07	2.12E-08	3.13E-08	0.00E+00	5.26E-08	9.28E-09	1.26E-08	0.00E+00	2.18E-08
2011	441157.03	3769590.91	1.1189E-07	1.2597E-07	0.00E+00	2.38E-07	1.26E-07	1.83E-07	0.00E+00	3.09E-07	2.12E-08	3.12E-08	0.00E+00	5.24E-08	9.25E-09	1.25E-08	0.00E+00	2.18E-08
2012	441147.71	3769590.06	1.1144E-07	1.2547E-07	0.00E+00	2.37E-07	1.26E-07	1.82E-07	0.00E+00	3.08E-07	2.11E-08	3.11E-08	0.00E+00	5.22E-08	9.21E-09	1.25E-08	0.00E+00	2.17E-08
2013	441138.4	3769589.21	1.1084E-07	1.2479E-07	0.00E+00	2.36E-07	1.25E-07	1.81E-07	0.00E+00	3.06E-07	2.10E-08	3.09E-08	0.00E+00	5.19E-08	9.16E-09	1.24E-08	0.00E+00	2.16E-08
2014	441129.09	3769588.36	1.1021E-07	1.2408E-07	0.00E+00	2.34E-07	1.24E-07	1.80E-07	0.00E+00	3.05E-07	2.08E-08	3.08E-08	0.00E+00	5.16E-08	9.11E-09	1.23E-08	0.00E+00	2.14E-08
2015	441119.77	3769587.51	1.0954E-07	1.2332E-07	0.00E+00	2.33E-07	1.23E-07	1.79E-07	0.00E+00	3.03E-07	2.07E-08	3.06E-08	0.00E+00	5.13E-08	9.06E-09	1.22E-08	0.00E+00	2.13E-08
2016	440868.27	3769564.55	1.0284E-07	1.1578E-07	0.00E+00	2.19E-07	1.16E-07	1.68E-07	0.00E+00	2.84E-07	1.94E-08	2.87E-08	0.00E+00	4.81E-08	8.50E-09	1.15E-08	0.00E+00	2.00E-08
2017	440858.96	3769563.7	1.0236E-07	1.1525E-07	0.00E+00	2.18E-07	1.15E-07	1.68E-07	0.00E+00	2.83E-07	1.94E-08	2.86E-08	0.00E+00	4.79E-08	8.46E-09	1.14E-08	0.00E+00	1.99E-08
2018	440849.64	3769562.85	1.0188E-07	1.147E-07	0.00E+00	2.17E-07	1.15E-07	1.67E-07	0.00E+00	2.82E-07	1.93E-08	2.84E-08	0.00E+00	4.77E-08	8.42E-09	1.14E-08	0.00E+00	1.98E-08
2019	440840.33	3769562	1.0115E-07	1.1389E-07	0.00E+00	2.15E-07	1.14E-07	1.66E-07	0.00E+00	2.80E-07	1.91E-08	2.82E-08	0.00E+00	4.73E-08	8.36E-09	1.13E-08	0.00E+00	1.97E-08
2020	440831.02	3769561.15	1.004E-07	1.1304E-07	0.00E+00	2.13E-07	1.13E-07	1.64E-07	0.00E+00	2.77E-07	1.90E-08	2.80E-08	0.00E+00	4.70E-08	8.30E-09	1.12E-08	0.00E+00	1.95E-08
2021	440821.7	3769560.3	9.9621E-08	1.1216E-07	0.00E+00	2.12E-07	1.12E-07	1.63E-07	0.00E+00	2.75E-07	1.88E-08	2.78E-08	0.00E+00	4.66E-08	8.24E-09	1.11E-08	0.00E+00	1.94E-08
2022	440803.07	3769558.6	9.879E-08	1.1122E-07	0.00E+00	2.10E-07	1.11E-07	1.62E-07	0.00E+00	2.73E-07	1.87E-08	2.76E-08	0.00E+00	4.62E-08	8.17E-09	1.10E-08	0.00E+00	1.92E-08
2023	440793.76	3769557.75	9.8391E-08	1.1077E-07	0.00E+00	2.09E-07	1.11E-07	1.61E-07	0.00E+00	2.72E-07	1.86E-08	2.75E-08	0.00E+00	4.61E-08	8.14E-09	1.10E-08	0.00E+00	1.91E-08
2024	440780.1	3769548.62	9.8957E-08	1.1141E-07	0.00E+00	2.10E-07	1.12E-07	1.62E-07	0.00E+00	2.73E-07	1.87E-08	2.76E-08	0.00E+00	4.63E-08	8.18E-09	1.11E-08	0.00E+00	1.92E-08
2025	440775.76	3769540.33	9.9941E-08	1.1252E-07	0.00E+00	2.12E-07	1.13E-07	1.64E-07	0.00E+00	2.76E-07	1.89E-08	2.79E-08	0.00E+00	4.68E-08	8.26E-09	1.12E-08	0.00E+00	1.94E-08
2026	440771.41	3769532.05	1.0092E-07	1.1363E-07	0.00E+00	2.15E-07	1.14E-07	1.65E-07	0.00E+00	2.79E-07	1.91E-08	2.82E-08	0.00E+00	4.72E-08	8.34E-09	1.13E-08	0.00E+00	1.96E-08
2027	440767.07	3769523.77	1.0183E-07	1.1465E-07	0.00E+00	2.16E-07	1.15E-07	1.67E-07	0.00E+00	2.81E-07	1.93E-08	2.84E-08	0.00E+00	4.77E-08	8.42E-09	1.14E-08	0.00E+00	1.98E-08
2028	440762.73	3769515.48	1.0273E-07	1.1566E-07	0.00E+00	2.18E-07	1.16E-07	1.68E-07	0.00E+00	2.84E-07	1.94E-08	2.87E-08	0.00E+00	4.81E-08	8.49E-09	1.15E-08	0.00E+00	2.00E-08
2029	440758.38	3769507.2	1.036E-07	1.1664E-07	0.00E+00	2.20E-07	1.17E-07	1.70E-07	0.00E+00	2.86E-07	1.96E-08	2.89E-08	0.00E+00	4.85E-08	8.57E-09	1.16E-08	0.00E+00	2.01E-08
2030	440754.04	3769498.91	1.0447E-07	1.1762E-07	0.00E+00	2.22E-07	1.18E-07	1.71E-07	0.00E+00	2.89E-07	1.97E-08	2.91E-08	0.00E+00	4.89E-08	8.64E-09	1.17E-08	0.00E+00	2.03E-08
2031	440749.7	3769490.63	1.0542E-07	1.1869E-07	0.00E+00	2.24E-07	1.19E-07	1.73E-07	0.00E+00	2.91E-07	1.99E-08	2.94E-08	0.00E+00	4.93E-08	8.72E-09	1.18E-08	0.00E+00	2.05E-08
2032	440736.67	3769465.78	1.083E-07	1.2193E-07	0.00E+00	2.30E-07	1.22E-07	1.77E-07	0.00E+00	2.99E-07	2.05E-08	3.02E-08	0.00E+00	5.07E-08	8.95E-09	1.21E-08	0.00E+00	2.11E-08
2033	440732.33	3769457.49	1.0919E-07	1.2293E-07	0.00E+00	2.32E-07	1.23E-07	1.79E-07	0.00E+00	3.02E-07	2.06E-08	3.05E-08	0.00E+00	5.11E-08	9.03E-09	1.22E-08	0.00E+00	2.12E-08
2034	440727.98	3769449.21	1.1005E-07	1.239E-07	0.00E+00	2.34E-07	1.24E-07	1.80E-07	0.00E+00	3.04E-07	2.08E-08	3.07E-08	0.00E+00	5.15E-08	9.10E-09	1.23E-08	0.00E+00	2.14E-08
2035	440489.11	3768993.59	1.8263E-07	2.0561E-07	0.00E+00	3.88E-07	2.06E-07	2.99E-07	0.00E+00	5.05E-07	3.45E-08	5.10E-08	0.00E+00	8.55E-08	1.51E-08	2.04E-08	0.00E+00	3.55E-08
2036	440484.77	3768985.31	1.8401E-07	2.0717E-07	0.00E+00	3.91E-07	2.07E-07	3.01E-07	0.00E+00	5.09E-07	3.48E-08	5.13E-08	0.00E+00	8.61E-08	1.52E-08	2.06E-08	0.00E+00	3.58E-08
2037	440480.43	3768977.02	1.8537E-07	2.087E-07	0.00E+00	3.94E-07	2.09E-07	3.03E-07	0.00E+00	5.12E-07	3.50E-08	5.17E-08	0.00E+00	8.68E-08	1.53E-08	2.07E-08	0.00E+00	3.60E-08
2038	440476.08	3768968.74	1.8674E-07	2.1024E-07	0.00E+00	3.97E-07	2.10E-07	3.06E-07	0.00E+00	5.16E-07	3.53E-08	5.21E-08	0.00E+00	8.74E-08	1.54E-08	2.09E-08	0.00E+00	3.63E-08
2039	440467.4	3768952.17	1.8944E-07	2.1329E-07	0.00E+00	4.03E-07	2.14E-07	3.10E-07	0.00E+00	5.24E-07	3.58E-08	5.29E-08	0.00E+00	8.87E-08	1.57E-08	2.12E-08	0.00E+00	3.68E-08
2040	440393.57	3768811.35	2.0863E-07	2.3489E-07	0.00E+00	4.44E-07	2.35E-07	3.41E-07	0.00E+00	5.77E-07	3.94E-08	5.82E-08	0.00E+00	9.77E-08	1.73E-08	2.33E-08	0.00E+00	4.06E-08
2041	440389.22	3768803.06	2.0948E-07	2.3585E-07	0.00E+00	4.45E-07	2.36E-07	3.43E-07	0.00E+00	5.79E-07	3.96E-08	5.84E-08	0.00E+00	9.81E-08	1.73E-08	2.34E-08	0.00E+00	4.07E-08
2042	441641.39	3769635.12	1.3553E-07	1.5258E-07	0.00E+00	2.88E-07	1.53E-07	2.22E-07	0.00E+00	3.75E-07	2.56E-08	3.78E-08	0.00E+00	6.34E-08	1.12E-08	1.51E-08	0.00E+00	2.64E-08
2043	441650.07	3769631.37	1.3734E-07	1.5462E-07	0.00E+00	2.92E-07	1.55E-07	2.25E-07	0.00E+00	3.80E-07	2.60E-08	3.83E-08	0.00E+00	6.43E-08	1.14E-08	1.53E-08	0.00E+00	2.67E-08
2044	441658.75	3769627.63	1.3915E-07	1.5667E-07	0.00E+00	2.96E-07	1.57E-07	2.28E-07	0.00E+00	3.85E-07	2.63E-08	3.88E-08	0.00E+00	6.51E-08	1.15E-08	1.56E-08	0.00E+00	2.71E-08
2045	441667.43	3769623.88	1.4086E-07	1.5859E-07	0.00E+00	2.99E-07	1.59E-07	2.31E-07	0.00E+00	3.89E-07	2.66E-08	3.93E-08	0.00E+00	6.59E-08	1.16E-08	1.57E-08	0.00E+00	2.74E-08
2046	441676.1	3769620.14	1.4251E-07	1.6045E-07	0.00E+00	3.03E-07	1.61E-07	2.33E-07	0.00E+00	3.94E-07	2.69E-08	3.98E-08	0.00E+00	6.67E-08	1.18E-08	1.59E-08	0.00E+00	2.77E-08
2047	441584.27	3769312.1	2.9048E-07	3.2704E-07	0.00E+00	6.18E-07	3.27E-07	4.75E-07	0.00E+00	8.03E-07	5.49E-08	8.10E-08	0.00E+00	1.36E-07	2.40E-08	3.25E-08	0.00E+00	5.65E-08
2048	441593.23	3769308.43	0.000000297	3.3438E-07	0.00E+00	6.31E-07	3.35E-07	4.86E-07	0.00E+00	8.21E-07	5.61E-08	8.29E-08	0.00E+00	1.39E-07	2.46E-08	3.32E-08	0.00E+00	5.78E-08
2049	441602.18	3769304.76	3.0321E-07	3.4137E-07	0.00E+00	6.45E-07	3.42E-07	4.96E-07	0.00E+00	8.38E-07	5.73E-08	8.46E-08	0.00E+00	1.42E-07	2.51E-08	3.39E-08	0.00E+00	5.90E-08
2050	441581.54	3769356.45	0.000000254	2.8597E-07	0.00E+00	5.40E-07	2.86E-07	4.16E-07	0.00E+00	7.02E-07	4.80E-08	7.09E-08	0.00E+00	1.19E-07	2.10E-08	2.84E-08	0.00E+00	4.94E-08
2051	441590.49	3769352.78	2.5932E-07	2.9196E-07	0.00E+00	5.51E-07	2.92E-07	4.24E-07	0.00E+00	7.17E-07	4.90E-08	7.24E-08	0.00E+00	1.21E-07	2.14E-08	2.90E-08	0.00E+00	5.04E-08
2052	441599.45	3769349.11	2.676E-07	3.0128E-07	0.00E+00	5.69E-07	3.02E-07	4.38E-07	0.00E+00	7.40E-07	5.06E-08	7.47E-08	0.00E+00	1.25E-07	2.21E-08	2.99E-08	0.00E+00	5.20E-08
2053	441608.4	3769345.44	2.7256E-07	3.0687E-07	0.00E+00	5.79E-07	3.07E-07	4.46E-07	0.00E+00	7.53E-07	5.15E-08	7.61E-08	0.00E+00	1.28E-07	2.25E-08	3.05E-08	0.00E+00	5.30E-08
2054	441642.24	3769504.49	1.7936E-07	2.0194E-07	0.00E+00	3.81E-07	2.02E-07	2.94E-07	0.00E+00	4.96E-07	3.39E-08	5.00E-08	0.00E+00	8.40E-08	1.48E-08	2.00E-08	0.00E+00	3.49E-08
2055	441651.19	3769500.82	1.8186E-07	2.0475E-07	0.00E+00	3.87E-07	2.05E-07	2.98E-07	0.00E+00	5.03E-07	3.44E-08	5.07E-08	0.00E+00	8.51E-08	1.50E-08	2.03E-08	0.00E+00	3.54E-08
2056	441660.14	3769497.15	1.8439E-07	2.076E-07	0.00E+00	3.92E-07	2.08E-07	3.02E-07	0.00E+00	5.10E-07	3.49E-08	5.14E-08	0.00E+00	8.63E-08	1.52E-08	2.06E-08	0.00E+00	3.59E-08
2057	441669.1	3769493.48	1.8721E-07	2.1077E-07	0.00E+00	3.98E-07	2.11E-07	3.06E-07	0.00E+00	5.17E-07	3.54E-08	5.22E-08	0.00E+00	8.76E-08	1.55E-08	2.09E-08	0.00E+00	3.64E-08
2058	441678.05	3769489.81	1.9004E-07	2.1396E-07	0.00E+00	4.04E-07	2.14E-07	3.11E-07	0.00E+00	5.25E-07	3.59E-08	5.30E-08	0.00E+00	8.90E-08	1.57E-08	2.12E-08	0.00E+00	3.70E-08
2059	441687	3769486.14	1.9287E-07	2.1714E-07	0.00E+00	4.10E-07	2.17E-07	3.16E-07	0.00E+00	5.33E-07	3.65E-08	5.38E-08	0.00E+00	9.03E-08	1.59E-08	2.16E-08	0.00E+00	3.75E-08
2060	441695.95	3769482.47	1.9571E-07	2.2034E-07	0.00E+00	4.16E-07	2.21E-07	3.20E-07	0.00E+00	5.41E-07	3.70E-08	5.46E-08	0.00E+00	9.16E-08	1.62E-08	2.19E-08	0.00E+00	3.81E-08
2061	441704.91	3769478.8	1.9854E-07	2.2353E-07	0.00E+00	4.22E-07	2.24E-07	3.25E-07	0.00E+00	5.49E-07	3.75E-08	5.54E-08	0.00E+00	9.29E-08	1.64E-08	2.22E-08	0.00E+00	3.86E-08
2062	441713.86	3769475.13	2.014E-07	2.2675E-07	0.00E+00	4.28E-07	2.27E-07	3.30E-07	0.00E+00	5.57E-07	3.81E-08	5.62E-08	0.00E+00	9.43E-08	1.67E-08	2.25E-08	0.00E+00	3.92E-08
2063	441722.81	3769471.46	2.0434E-07	2.3006E-07	0.00E+00	4.34E-07	2.30E-07	3.34E-07	0.00E+00	5.65E-07	3.86E-08	5.70E-08	0.00E+00	9.56E-08	1.69E-08	2.28E-08	0.00E+00	3.97E-08
2064	441731.76	3769467.79	2.074E-07	2.3351E-07	0.00E+00	4.41E-07	2.34E-07	3.39E-07	0.00E+00	5.73E-07	3.92E-08	5.79E-08	0.00E+00	9.71E-08	1.71E-08	2.32E-08	0.00E+00	4.03E-08
2065	441740.72	3769464.11	2.1045E-07	2.3694E-07	0.00E+00	4.47E-07	2.37E-07	3.44E-07	0.00E+00	5.82E-07	3.98E-08	5.87E-08	0.00E+00	9.85E-08	1.74E-08	2.35E-08	0.00E+00	4.09E-08
2066	441749.67	3769460.44	2.1353E-07	2.4041E-07	0.00E+00	4.54E-07	2.41E-07	3.49E-07	0.00E+00	5.90E-07	4.04E-08	5.96E-08	0.00E+00	9.99E-08	1.77E-08	2.39E-08	0.00E+00	4.15E-08
2067	441758.62	3769456.77	2.1612E-07	2.4332E-07	0.00E+00	4.59E-07	2.44E-07	3.54E-07	0.00E+00	5.97E-07	4.09E-08	6.03E-08	0.00E+00	1.01E-07	1.79E-08	2.42E-08	0.00E+00	4.20E-08
2068	441657.41	3769541.5	1.6603E-07	1.8693E-07	0.00E+00	3.53E-07	1.87E-07	2.72E-07	0.00E+00	4.59E-07	3.14E-08	4.63E-08	0.00E+00	7.77E-08	1.37E-08	1.86E-08	0.00E+00	3.23E-08
2069	441666.37	3769537.83	1.6849E-07	1.897E-07	0.00E+00	3.58E-07	1.90E-07	2.76E-07	0.00E+00	4.66E-07	3.19E-08	4.70E-08	0.00E+00	7.89E-08	1.39E-08	1.88E-08	0.00E+00	3.28E-08
2070	441675.32	3769534.16	1.7089E-07	1.9239E-07	0.00E+00	3.63E-07	1.93E-07	2.80E-07	0.00E+00	4.72E-07	3.23E-08	4.77E-08	0.00E+00	8.00E-08	1.41E-08	1.91E-08	0.00E+00	3.32E-08
2071	441684.27	3769530.49	1.7328E-07	1.9509E-07	0.00E+00	3.68E-07	1.95E-07	2.84E-07	0.00E+00	4.79E-07	3.28E-08	4.83E-08	0.00E+00	8.11E-08	1.43E-08	1.94E-08	0.00E+00	3.37E-08
2072	441693.22	3769526.82	1.7553E-07	1.9762E-07	0.00E+00	3.73E-07	1.98E-07	2.87E-07	0.00E+00	4.85E-07	3.32E-08	4.90E-08	0.00E+00	8.22E-08	1.45E-08	1.96E-08	0.00E+00	3.41E-08
2073	441702.18	3769523.15	1.7766E-07	2.0002E-07	0.00E+00	3.78E-07	2.00E-07	2.91E-07	0.00E+00	4.91E-07	3.36E-08	4.96E-08	0.00E+00	8.32E-08	1.47E-08	1.99E-08	0.00E+00	3.45E-08
2074	441711.13	3769519.48	1.7984E-07	2.0247E-07	0.00E+00	3.82E-07	2.03E-07	2.94E-07	0.00E+00	4.97E-07	3.40E-08	5.02E-08	0.00E+00	8.42E-08	1.49E-08	2.01E-08	0.00E+00	3.50E-08
2075	441720.08	3769515.81	1.8207E-07	2.0498E-07	0.00E+00	3.87E-07	2.05E-07	2.98E-07	0.00E+00	5.03E-07	3.44E-08	5.08E-08	0.00E+00	8.52E-08	1.51E-08	2.03E-08	0.00E+00	3.54E-08
2076	441729.03	3769512.14	1.8461E-07	2.0785E-07	0.00E+00	3.92E-07	2.08E-07	3.02E-07	0.00E+00	5.10E-07	3.49E-08	5.15E-08	0.00E+00	8.64E-08	1.53E-08	2.06E-08	0.00E+00	3.59E-08
2077	441737.99	3769508.47	1.8723E-07	2.108E-07	0.00E+00	3.98E-07	2.11E-07	3.06E-07	0.00E+00	5.17E-07	3.54E-08	5.22E-08	0.00E+00	8.76E-08	1.55E-08	2.09E-08	0.00E+00	3.64E-08
2078	441746.94	3769504.8	1.899E-07	2.1381E-07	0.00E+00	4.04E-07	2.14E-07	3.11E-07	0.00E+00	5.25E-07	3.59E-08	5.30E-08	0.00E+00	8.89E-08	1.57E-08	2.12E-08	0.00E+00	3.69E-08
2079	441755.89	3769501.12	1.9234E-07	2.1655E-07	0.00E+00	4.09E-07	2.17E-07	3.15E-07	0.00E+00	5.32E-07	3.64E-08	5.37E-08	0.00E+00	9.00E-08	1.59E-08	2.15E-08	0.00E+00	3.74E-08
2080	441764.84	3769497.45	1.9459E-07	2.1909E-07	0.00E+00	4.14E-07	2.19E-07	3.18E-07	0.00E+00	5.38E-07	3.68E-08	5.43E-08	0.00E+00	9.11E-08	1.61E-08	2.18E-08	0.00E+00	3.78E-08
2081	441773.8	3769493.78	1.9685E-07	2.2162E-07	0.00E+00	4.18E-07	2.22E-07	3.22E-07	0.00E+00	5.44E-07	3.72E-08	5.49E-08	0.00E+00	9.21E-08	1.63E-08	2.20E-08	0.00E+00	3.83E-08
2082	441708.4	3769563.83	1.6266E-07	1.8313E-07	0.00E+00	3.46E-07	1.83E-07	2.66E-07	0.00E+00	4.50E-07	3.08E-08	4.54E-08	0.00E+00	7.61E-08	1.34E-08	1.82E-08	0.00E+00	3.16E-08
2083	441717.35	3769560.16	1.6469E-07	1.8542E-07	0.00E+00	3.50E-07	1.86E-07	2.70E-07	0.00E+00	4.55E-07	3.11E-08	4.60E-08	0.00E+00	7.71E-08	1.36E-08	1.84E-08	0.00E+00	3.20E-08
2084	441726.3	3769556.49	1.6672E-07	1.8771E-07	0.00E+00	3.54E-07	1.88E-07	2.73E-07	0.00E+00	4.61E-07	3.15E-08	4.65E-08	0.00E+00	7.80E-08	1.38E-08	1.86E-08	0.00E+00	3.24E-08
2085	441735.26	3769552.82	1.6874E-07	1.8998E-07	0.00E+00	3.59E-07	1.90E-07	2.76E-07	0.00E+00	4.66E-07	3.19E-08	4.71E-08	0.00E+00	7.90E-08	1.40E-08	1.89E-08	0.00E+00	3.28E-08
2086	441744.21	3769549.15	1.7076E-07	1.9226E-07	0.00E+00	3.63E-07	1.92E-07	2.79E-07	0.00E+00	4.72E-07	3.23E-08	4.76E-08	0.00E+00	7.99E-08	1.41E-08	1.91E-08	0.00E+00	3.32E-08
2087	441753.16	3769545.48	1.7273E-07	1.9448E-07	0.00E+00	3.67E-07	1.95E-07	2.83E-07	0.00E+00	4.77E-07	3.27E-08	4.82E-08	0.00E+00	8.09E-08	1.43E-08	1.93E-08	0.00E+00	3.36E-08
2088	441762.11	3769541.81	1.7465E-07	1.9663E-07	0.00E+00	3.71E-07	1.97E-07	2.86E-07	0.00E+00	4.83E-07	3.30E-08	4.87E-08	0.00E+00	8.17E-08	1.44E-08	1.95E-08	0.00E+00	3.40E-08

2089	441771.07	3769538.13	1.7663E-07	1.9886E-07	0.00E+00	3.75E-07		1.99E-07	2.89E-07	0.00E+00	4.88E-07		3.34E-08	4.93E-08	0.00E+00	8.27E-08		1.46E-08	1.97E-08	0.00E+00	3.43E-08
2090	441687.76	3769615.52	1.4461E-07	1.6281E-07	0.00E+00	3.07E-07		1.63E-07	2.37E-07	0.00E+00	4.00E-07		2.73E-08	4.03E-08	0.00E+00	6.77E-08		1.20E-08	1.62E-08	0.00E+00	2.81E-08
2091	441696.72	3769611.85	1.4649E-07	1.6493E-07	0.00E+00	3.11E-07		1.65E-07	2.40E-07	0.00E+00	4.05E-07		2.77E-08	4.09E-08	0.00E+00	6.86E-08		1.21E-08	1.64E-08	0.00E+00	2.85E-08
2092	441705.67	3769608.18	1.4842E-07	1.671E-07	0.00E+00	3.16E-07		1.67E-07	2.43E-07	0.00E+00	4.10E-07		2.81E-08	4.14E-08	0.00E+00	6.95E-08		1.23E-08	1.66E-08	0.00E+00	2.89E-08
2093	441714.62	3769604.51	1.503E-07	1.6921E-07	0.00E+00	3.20E-07		1.69E-07	2.46E-07	0.00E+00	4.15E-07		2.84E-08	4.19E-08	0.00E+00	7.03E-08		1.24E-08	1.68E-08	0.00E+00	2.92E-08
2094	441723.57	3769600.84	1.521E-07	1.7124E-07	0.00E+00	3.23E-07		1.71E-07	2.49E-07	0.00E+00	4.20E-07		2.88E-08	4.24E-08	0.00E+00	7.12E-08		1.26E-08	1.70E-08	0.00E+00	2.96E-08
2095	441732.53	3769597.17	1.5384E-07	1.732E-07	0.00E+00	3.27E-07		1.73E-07	2.52E-07	0.00E+00	4.25E-07		2.91E-08	4.29E-08	0.00E+00	7.20E-08		1.27E-08	1.72E-08	0.00E+00	2.99E-08
2096	441741.48	3769593.5	1.5557E-07	1.7515E-07	0.00E+00	3.31E-07		1.75E-07	2.55E-07	0.00E+00	4.30E-07		2.94E-08	4.34E-08	0.00E+00	7.28E-08		1.29E-08	1.74E-08	0.00E+00	3.03E-08
2097	441750.43	3769589.83	1.5729E-07	1.7709E-07	0.00E+00	3.34E-07		1.77E-07	2.57E-07	0.00E+00	4.35E-07		2.97E-08	4.39E-08	0.00E+00	7.36E-08		1.30E-08	1.76E-08	0.00E+00	3.06E-08
2098	441759.38	3769586.16	1.5906E-07	1.7908E-07	0.00E+00	3.38E-07		1.79E-07	2.60E-07	0.00E+00	4.40E-07		3.01E-08	4.44E-08	0.00E+00	7.45E-08		1.32E-08	1.78E-08	0.00E+00	3.09E-08
2099	441768.34	3769582.49	1.6077E-07	1.8101E-07	0.00E+00	3.42E-07		1.81E-07	2.63E-07	0.00E+00	4.44E-07		3.04E-08	4.49E-08	0.00E+00	7.53E-08		1.33E-08	1.80E-08	0.00E+00	3.13E-08
2100	441777.29	3769578.82	1.6241E-07	1.8286E-07	0.00E+00	3.45E-07		1.83E-07	2.66E-07	0.00E+00	4.49E-07		3.07E-08	4.53E-08	0.00E+00	7.60E-08		1.34E-08	1.82E-08	0.00E+00	3.16E-08
2101	441367.26	3768477.6	0.000004774	5.3749E-06	0.00E+00	1.01E-05		5.38E-06	7.81E-06	0.00E+00	1.32E-05		9.03E-07	1.33E-06	0.00E+00	2.23E-06		3.95E-07	5.34E-07	0.00E+00	9.28E-07
2102	441384.56	3768476.96	4.7857E-06	0.000005388	0.00E+00	1.02E-05		5.39E-06	7.83E-06	0.00E+00	1.32E-05		9.05E-07	1.34E-06	0.00E+00	2.24E-06		3.96E-07	5.35E-07	0.00E+00	9.31E-07
2103	441403.43	3768504.25	6.5849E-06	7.4136E-06	0.00E+00	1.40E-05		7.42E-06	1.08E-05	0.00E+00	1.82E-05		1.24E-06	1.84E-06	0.00E+00	3.08E-06		5.44E-07	7.36E-07	0.00E+00	1.28E-06
2104	441408.54	3768488.91	5.3501E-06	6.0235E-06	0.00E+00	1.14E-05		6.03E-06	8.76E-06	0.00E+00	1.48E-05		1.01E-06	1.49E-06	0.00E+00	2.50E-06		4.42E-07	5.98E-07	0.00E+00	1.04E-06

			UnMitigated			T2			T2L3			T4		
			8.71E-03	1.06E-02	0.00E+00	9.82E-03	1.54E-02	0.00E+00	1.65E-03	2.63E-03	0.00E+00	7.20E-04	1.05E-03	0.00E+00
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	441773.6	3769395	3.44E-04	4.20E-04	0.00E+00	3.88E-04	6.10E-04	0.00E+00	6.51E-05	1.04E-04	0.00E+00	2.85E-05	4.17E-05	0.00E+00
2	441766	3769401	3.38E-04	4.12E-04	0.00E+00	3.80E-04	5.98E-04	0.00E+00	6.38E-05	1.02E-04	0.00E+00	2.79E-05	4.09E-05	0.00E+00
3	441758.5	3769408	3.31E-04	4.03E-04	0.00E+00	3.73E-04	5.86E-04	0.00E+00	6.26E-05	1.00E-04	0.00E+00	2.74E-05	4.01E-05	0.00E+00
4	441751	3769414	3.24E-04	3.95E-04	0.00E+00	3.66E-04	5.75E-04	0.00E+00	6.13E-05	9.80E-05	0.00E+00	2.68E-05	3.93E-05	0.00E+00
5	441773.5	3769445	2.96E-04	3.61E-04	0.00E+00	3.34E-04	5.25E-04	0.00E+00	5.60E-05	8.95E-05	0.00E+00	2.45E-05	3.58E-05	0.00E+00
6	441766.1	3769451	2.91E-04	3.55E-04	0.00E+00	3.28E-04	5.16E-04	0.00E+00	5.50E-05	8.79E-05	0.00E+00	2.41E-05	3.52E-05	0.00E+00
7	441811.2	3769463	2.84E-04	3.46E-04	0.00E+00	3.20E-04	5.03E-04	0.00E+00	5.37E-05	8.58E-05	0.00E+00	2.35E-05	3.44E-05	0.00E+00
8	441803.8	3769470	2.79E-04	3.41E-04	0.00E+00	3.15E-04	4.95E-04	0.00E+00	5.28E-05	8.44E-05	0.00E+00	2.31E-05	3.38E-05	0.00E+00
9	441796.3	3769476	2.75E-04	3.35E-04	0.00E+00	3.10E-04	4.87E-04	0.00E+00	5.19E-05	8.30E-05	0.00E+00	2.27E-05	3.32E-05	0.00E+00
10	441826.7	3769500	2.62E-04	3.19E-04	0.00E+00	2.95E-04	4.64E-04	0.00E+00	4.95E-05	7.91E-05	0.00E+00	2.16E-05	3.17E-05	0.00E+00
11	441819.2	3769506	2.57E-04	3.13E-04	0.00E+00	2.89E-04	4.55E-04	0.00E+00	4.85E-05	7.75E-05	0.00E+00	2.12E-05	3.11E-05	0.00E+00
12	441811.6	3769512	2.52E-04	3.07E-04	0.00E+00	2.84E-04	4.46E-04	0.00E+00	4.76E-05	7.60E-05	0.00E+00	2.08E-05	3.05E-05	0.00E+00
13	441804.1	3769519	2.47E-04	3.02E-04	0.00E+00	2.79E-04	4.38E-04	0.00E+00	4.68E-05	7.47E-05	0.00E+00	2.05E-05	2.99E-05	0.00E+00
14	441908.6	3769483	2.89E-04	3.53E-04	0.00E+00	3.26E-04	5.13E-04	0.00E+00	5.47E-05	8.75E-05	0.00E+00	2.39E-05	3.50E-05	0.00E+00
15	441826.5	3769550	2.33E-04	2.84E-04	0.00E+00	2.62E-04	4.12E-04	0.00E+00	4.40E-05	7.03E-05	0.00E+00	1.92E-05	2.81E-05	0.00E+00
16	441819.1	3769556	2.28E-04	2.79E-04	0.00E+00	2.58E-04	4.05E-04	0.00E+00	4.32E-05	6.90E-05	0.00E+00	1.89E-05	2.76E-05	0.00E+00
17	441580.9	3769287	4.16E-04	5.07E-04	0.00E+00	4.69E-04	7.37E-04	0.00E+00	7.86E-05	1.26E-04	0.00E+00	3.44E-05	5.03E-05	0.00E+00
18	441607.7	3769316	3.95E-04	4.81E-04	0.00E+00	4.45E-04	6.99E-04	0.00E+00	7.46E-05	1.19E-04	0.00E+00	3.26E-05	4.78E-05	0.00E+00
19	441598.6	3769319	3.87E-04	4.72E-04	0.00E+00	4.37E-04	6.86E-04	0.00E+00	7.32E-05	1.17E-04	0.00E+00	3.20E-05	4.69E-05	0.00E+00
20	441589.6	3769323	3.74E-04	4.56E-04	0.00E+00	4.22E-04	6.63E-04	0.00E+00	7.07E-05	1.13E-04	0.00E+00	3.09E-05	4.53E-05	0.00E+00
21	441580.5	3769327	3.66E-04	4.46E-04	0.00E+00	4.12E-04	6.48E-04	0.00E+00	6.92E-05	1.11E-04	0.00E+00	3.02E-05	4.43E-05	0.00E+00
22	441607.3	3769356	3.49E-04	4.26E-04	0.00E+00	3.94E-04	6.19E-04	0.00E+00	6.61E-05	1.06E-04	0.00E+00	2.89E-05	4.23E-05	0.00E+00
23	441634.3	3769385	3.23E-04	3.94E-04	0.00E+00	3.64E-04	5.73E-04	0.00E+00	6.11E-05	9.76E-05	0.00E+00	2.67E-05	3.91E-05	0.00E+00
24	441625.2	3769388	3.18E-04	3.88E-04	0.00E+00	3.58E-04	5.63E-04	0.00E+00	6.01E-05	9.61E-05	0.00E+00	2.63E-05	3.85E-05	0.00E+00
25	441616.1	3769392	3.13E-04	3.82E-04	0.00E+00	3.53E-04	5.55E-04	0.00E+00	5.92E-05	9.46E-05	0.00E+00	2.59E-05	3.79E-05	0.00E+00
26	441606.9	3769395	3.08E-04	3.76E-04	0.00E+00	3.47E-04	5.46E-04	0.00E+00	5.83E-05	9.31E-05	0.00E+00	2.55E-05	3.73E-05	0.00E+00
27	441597.8	3769399	3.06E-04	3.74E-04	0.00E+00	3.45E-04	5.43E-04	0.00E+00	5.79E-05	9.26E-05	0.00E+00	2.53E-05	3.71E-05	0.00E+00
28	441588.7	3769403	2.98E-04	3.63E-04	0.00E+00	3.36E-04	5.28E-04	0.00E+00	5.63E-05	9.00E-05	0.00E+00	2.46E-05	3.61E-05	0.00E+00
29	441579.6	3769406	2.93E-04	3.57E-04	0.00E+00	3.30E-04	5.19E-04	0.00E+00	5.53E-05	8.84E-05	0.00E+00	2.42E-05	3.54E-05	0.00E+00
30	441570.5	3769410	2.88E-04	3.50E-04	0.00E+00	3.24E-04	5.09E-04	0.00E+00	5.44E-05	8.69E-05	0.00E+00	2.38E-05	3.48E-05	0.00E+00
31	441561.4	3769414	2.82E-04	3.44E-04	0.00E+00	3.18E-04	5.00E-04	0.00E+00	5.33E-05	8.53E-05	0.00E+00	2.33E-05	3.42E-05	0.00E+00
32	441725.3	3769388	3.44E-04	4.19E-04	0.00E+00	3.87E-04	6.09E-04	0.00E+00	6.49E-05	1.04E-04	0.00E+00	2.84E-05	4.16E-05	0.00E+00
33	441716.2	3769391	3.38E-04	4.12E-04	0.00E+00	3.81E-04	6.00E-04	0.00E+00	6.40E-05	1.02E-04	0.00E+00	2.80E-05	4.09E-05	0.00E+00
34	441707	3769395	3.33E-04	4.06E-04	0.00E+00	3.75E-04	5.90E-04	0.00E+00	6.30E-05	1.01E-04	0.00E+00	2.75E-05	4.03E-05	0.00E+00
35	441697.9	3769399	3.28E-04	4.00E-04	0.00E+00	3.70E-04	5.81E-04	0.00E+00	6.20E-05	9.91E-05	0.00E+00	2.71E-05	3.97E-05	0.00E+00
36	441688.7	3769402	3.23E-04	3.94E-04	0.00E+00	3.64E-04	5.72E-04	0.00E+00	6.10E-05	9.75E-05	0.00E+00	2.67E-05	3.91E-05	0.00E+00
37	441679.6	3769406	3.18E-04	3.87E-04	0.00E+00	3.58E-04	5.63E-04	0.00E+00	6.01E-05	9.60E-05	0.00E+00	2.63E-05	3.85E-05	0.00E+00
38	441670.5	3769410	3.09E-04	3.77E-04	0.00E+00	3.48E-04	5.48E-04	0.00E+00	5.84E-05	9.34E-05	0.00E+00	2.56E-05	3.74E-05	0.00E+00
39	441661.3	3769413	3.04E-04	3.71E-04	0.00E+00	3.43E-04	5.39E-04	0.00E+00	5.75E-05	9.19E-05	0.00E+00	2.51E-05	3.68E-05	0.00E+00
40	441652.2	3769417	3.00E-04	3.65E-04	0.00E+00	3.38E-04	5.31E-04	0.00E+00	5.66E-05	9.05E-05	0.00E+00	2.48E-05	3.63E-05	0.00E+00
41	441643.1	3769421	2.95E-04	3.60E-04	0.00E+00	3.33E-04	5.23E-04	0.00E+00	5.58E-05	8.92E-05	0.00E+00	2.44E-05	3.57E-05	0.00E+00
42	441633.9	3769424	2.91E-04	3.55E-04	0.00E+00	3.28E-04	5.15E-04	0.00E+00	5.50E-05	8.79E-05	0.00E+00	2.40E-05	3.52E-05	0.00E+00
43	441624.8	3769428	2.89E-04	3.53E-04	0.00E+00	3.26E-04	5.13E-04	0.00E+00	5.47E-05	8.74E-05	0.00E+00	2.39E-05	3.50E-05	0.00E+00
44	441615.6	3769432	2.85E-04	3.47E-04	0.00E+00	3.21E-04	5.05E-04	0.00E+00	5.39E-05	8.61E-05	0.00E+00	2.36E-05	3.45E-05	0.00E+00
45	441606.5	3769435	2.80E-04	3.42E-04	0.00E+00	3.16E-04	4.97E-04	0.00E+00	5.30E-05	8.47E-05	0.00E+00	2.32E-05	3.39E-05	0.00E+00
46	441597.4	3769439	2.76E-04	3.36E-04	0.00E+00	3.11E-04	4.89E-04	0.00E+00	5.22E-05	8.34E-05	0.00E+00	2.28E-05	3.34E-05	0.00E+00
47	441588.2	3769443	2.69E-04	3.27E-04	0.00E+00	3.03E-04	4.76E-04	0.00E+00	5.08E-05	8.11E-05	0.00E+00	2.22E-05	3.25E-05	0.00E+00
48	441579.1	3769446	2.64E-04	3.22E-04	0.00E+00	2.97E-04	4.68E-04	0.00E+00	4.99E-05	7.97E-05	0.00E+00	2.18E-05	3.19E-05	0.00E+00
49	441570	3769450	2.59E-04	3.16E-04	0.00E+00	2.92E-04	4.59E-04	0.00E+00	4.90E-05	7.83E-05	0.00E+00	2.14E-05	3.14E-05	0.00E+00
50	441560.8	3769454	2.55E-04	3.10E-04	0.00E+00	2.87E-04	4.51E-04	0.00E+00	4.81E-05	7.69E-05	0.00E+00	2.11E-05	3.08E-05	0.00E+00
51	441775.9	3769407	3.34E-04	4.07E-04	0.00E+00	3.76E-04	5.91E-04	0.00E+00	6.31E-05	1.01E-04	0.00E+00	2.76E-05	4.04E-05	0.00E+00
52	441739.7	3769422	3.15E-04	3.85E-04	0.00E+00	3.56E-04	5.59E-04	0.00E+00	5.96E-05	9.53E-05	0.00E+00	2.61E-05	3.82E-05	0.00E+00
53	441730.7	3769425	3.11E-04	3.79E-04	0.00E+00	3.50E-04	5.51E-04	0.00E+00	5.88E-05	9.39E-05	0.00E+00	2.57E-05	3.76E-05	0.00E+00
54	441721.7	3769429	3.06E-04	3.73E-04	0.00E+00	3.45E-04	5.43E-04	0.00E+00	5.79E-05	9.25E-05	0.00E+00	2.53E-05	3.71E-05	0.00E+00
55	441712.6	3769433	2.98E-04	3.63E-04	0.00E+00	3.36E-04	5.28E-04	0.00E+00	5.63E-05	9.00E-05	0.00E+00	2.46E-05	3.60E-05	0.00E+00
56	441703.6	3769436	2.93E-04	3.57E-04	0.00E+00	3.30E-04	5.19E-04	0.00E+00	5.54E-05	8.86E-05	0.00E+00	2.42E-05	3.55E-05	0.00E+00
57	441694.6	3769440	2.88E-04	3.52E-04	0.00E+00	3.25E-04	5.11E-04	0.00E+00	5.45E-05	8.71E-05	0.00E+00	2.38E-05	3.49E-05	0.00E+00
58	441685.6	3769443	2.84E-04	3.47E-04	0.00E+00	3.21E-04	5.04E-04	0.00E+00	5.38E-05	8.59E-05	0.00E+00	2.35E-05	3.44E-05	0.00E+00
59	441676.5	3769447	2.81E-04	3.42E-04	0.00E+00	3.16E-04	4.97E-04	0.00E+00	5.31E-05	8.48E-05	0.00E+00	2.32E-05	3.40E-05	0.00E+00
60	441667.5	3769451	2.77E-04	3.37E-04	0.00E+00	3.12E-04	4.91E-04	0.00E+00	5.23E-05	8.36E-05	0.00E+00	2.29E-05	3.35E-05	0.00E+00
61	441658.5	3769454	2.73E-04	3.33E-04	0.00E+00	3.08E-04	4.84E-04	0.00E+00	5.16E-05	8.25E-05	0.00E+00	2.26E-05	3.30E-05	0.00E+00
62	441649.4	3769458	2.69E-04	3.28E-04	0.00E+00	3.03E-04	4.77E-04	0.00E+00	5.09E-05	8.13E-05	0.00E+00	2.23E-05	3.26E-05	0.00E+00
63	441640.4	3769461	2.65E-04	3.24E-04	0.00E+00	2.99E-04	4.70E-04	0.00E+00	5.02E-05	8.02E-05	0.00E+00	2.19E-05	3.21E-05	0.00E+00
64	441631.4	3769465	2.62E-04	3.19E-04	0.00E+00	2.95E-04	4.64E-04	0.00E+00	4.95E-05	7.90E-05	0.00E+00	2.16E-05	3.17E-05	0.00E+00
65	441622.3	3769469	2.58E-04	3.14E-04	0.00E+00	2.90E-04	4.57E-04	0.00E+00	4.87E-05	7.78E-05	0.00E+00	2.13E-05	3.12E-05	0.00E+00
66	441613.3	3769472	2.54E-04	3.09E-04	0.00E+00	2.86E-04	4.49E-04	0.00E+00	4.79E-05	7.66E-05	0.00E+00	2.10E-05	3.07E-05	0.00E+00
67	441604.3	3769476	2.49E-04	3.04E-04	0.00E+00	2.81E-04	4.42E-04	0.00E+00	4.72E-05	7.54E-05	0.00E+00	2.06E-05	3.02E-05	0.00E+00
68	441595.2	3769480	2.45E-04	2.99E-04	0.00E+00	2.77E-04	4.35E-04	0.00E+00	4.64E-05	7.41E-05	0.00E+00	2.03E-05	2.97E-05	0.00E+00
69	441586.2	3769483	2.41E-04	2.94E-04	0.00E+00	2.72E-04	4.28E-04	0.00E+00	4.56E-05	7.29E-05	0.00E+00	2.00E-05	2.92E-05	0.00E+00
70	441577.2	3769487	2.37E-04	2.89E-04	0.00E+00	2.67E-04	4.21E-04	0.00E+00	4.49E-05	7.17E-05	0.00E+00	1.96E-05	2.87E-05	0.00E+00
71	441568.1	3769490	2.33E-04	2.84E-04	0.00E+00	2.63E-04	4.13E-04	0.00E+00	4.41E-05	7.05E-05	0.00E+00	1.93E-05	2.82E-05	0.00E+00
72	441559.1	3769494	2.29E-04	2.80E-04	0.00E+00	2.59E-04	4.06E-04	0.00E+00	4.34E-05	6.93E-05	0.00E+00	1.90E-05	2.78E-05	0.00E+00
73	441382.8	3768409	3.38E-03	4.12E-03	0.00E+00	3.81E-03	6.00E-03	0.00E+00	6.40E-04	1.02E-03	0.00E+00	2.80E-04	4.09E-04	0.00E+00
74	441391.8	3768405	3.24E-03	3.95E-03	0.00E+00	3.65E-03	5.74E-03	0.00E+00	6.12E-04	9.78E-04	0.00E+00	2.68E-04	3.92E-04	0.00E+00
75	441331.6	3768410	3.67E-03	4.47E-03	0.00E+00	4.13E-03	6.50E-03	0.00E+00	6.93E-04	1.11E-03	0.00E+00	3.03E-04	4.44E-04	0.00E+00
76	441357.7	3768399	3.30E-03	4.02E-03	0.00E+00	3.72E-03	5.85E-03	0.00E+00	6.24E-04	9.97E-04	0.00E+00	2.73E-04	3.99E-04	0.00E+00
77	441366.4	3768396	3.18E-03	3.88E-03	0.00E+00	3.59E-03	5.64E-03	0.00E+00	6.01E-04	9.61E-04	0.00E+00	2.63E-04	3.85E-04	0.00E+00
78	441375.1	3768392	3.06E-03	3.74E-03	0.00E+00	3.45E-03	5.43E-03	0.00E+00	5.79E-04	9.26E-04	0.00E+00	2.53E-04	3.71E-04	0.00E+00
79	441383.8	3768389	2.95E-03	3.59E-03	0.00E+00	3.32E-03	5.22E-03	0.00E+00	5.57E-04	8.90E-04	0.00E+00	2.44E-04	3.57E-04	0.00E+00
80	441392.5	3768385	2.82E-03	3.44E-03	0.00E+00	3.18E-03	5.00E-03	0.00E+00	5.34E-04	8.53E-04	0.00E+00	2.33E-04	3.42E-04	0.00E+00
81	441291.8	3768406	3.69E-03	4.49E-03	0.00E+00	4.15E-03	6.53E-03	0.00E+00	6.97E-04	1.11E-03	0.00E+00	3.05E-04	4.46E-04	0.00E+00
82	441300.9	3768403	3.57E-03	4.35E-03	0.00E+00	4.02E-03	6.33E-03	0.00E+00	6.75E-04	1.08E-03	0.00E+00	2.95E-04	4.32E-04	0.00E+00
83	441310	3768399	3.47E-03	4.23E-03	0.00E+00	3.91E-03	6.14E-03	0.00E+00	6.56E-04	1.05E-03	0.00E+00	2.87E-04	4.20E-04	0.00E+00
84	441319.1	3768395	3.36E-03	4.10E-03	0.00E+00	3.79E-03	5.95E-03	0.00E+00	6.35E-04	1.02E-03	0.00E+00	2.78E-04	4.07E-04	0.00E+00
85	441328.2	3768391	3.25E-03	3.96E-03	0.00E+00	3.66E-03	5.75E-03	0.00E+00	6.14E-04	9.81E-04	0.00E+00	2.68E-04	3.93E-04	0.00E+00
86	441355.4	3768380	2.92E-03	3.56E-03	0.00E+00	3.30E-03	5.18E-03	0.00E+00	5.53E-04	8.83E-04	0.00E+00	2.42E-04	3.54E-04	0.00E+00
87	441364.5	3768376	2.81E-03	3.43E-03	0.00E+00	3.17E-03	4.99E-03	0.00E+00	5.32E-04	8.50E-04	0.00E+00	2.33E-04	3.41E-04	0.00E+00
88	441373.6	3768373	2.71E-03	3.30E-03	0.00E+00	3.05E-03	4.80E-03	0.00E+00	5.12E-04	8.18E-04	0.00E+00	2.24E-04	3.28E-04	0.00E+00

89	441382.7	3768369	2.60E-03	3.17E-03	0.00E+00	2.93E-03	4.61E-03	0.00E+00	4.92E-04	7.86E-04	0.00E+00	2.15E-04	3.15E-04	0.00E+00
90	441391.8	3768365	2.49E-03	3.04E-03	0.00E+00	2.81E-03	4.41E-03	0.00E+00	4.71E-04	7.52E-04	0.00E+00	2.06E-04	3.01E-04	0.00E+00
91	441235.3	3768475	5.14E-03	6.27E-03	0.00E+00	5.80E-03	9.11E-03	0.00E+00	9.72E-04	1.55E-03	0.00E+00	4.25E-04	6.22E-04	0.00E+00
92	441261.2	3768413	3.87E-03	4.71E-03	0.00E+00	4.36E-03	6.85E-03	0.00E+00	7.31E-04	1.17E-03	0.00E+00	3.20E-04	4.68E-04	0.00E+00
93	441264.9	3768405	3.69E-03	4.49E-03	0.00E+00	4.15E-03	6.53E-03	0.00E+00	6.97E-04	1.11E-03	0.00E+00	3.05E-04	4.46E-04	0.00E+00
94	441277.5	3768392	3.42E-03	4.17E-03	0.00E+00	3.86E-03	6.07E-03	0.00E+00	6.47E-04	1.03E-03	0.00E+00	2.83E-04	4.14E-04	0.00E+00
95	441286.3	3768389	3.33E-03	4.06E-03	0.00E+00	3.75E-03	5.90E-03	0.00E+00	6.29E-04	1.01E-03	0.00E+00	2.75E-04	4.03E-04	0.00E+00
96	441295.1	3768385	3.22E-03	3.93E-03	0.00E+00	3.63E-03	5.71E-03	0.00E+00	6.10E-04	9.74E-04	0.00E+00	2.67E-04	3.90E-04	0.00E+00
97	441304	3768381	3.12E-03	3.81E-03	0.00E+00	3.52E-03	5.54E-03	0.00E+00	5.91E-04	9.44E-04	0.00E+00	2.58E-04	3.78E-04	0.00E+00
98	441312.8	3768378	3.04E-03	3.70E-03	0.00E+00	3.42E-03	5.38E-03	0.00E+00	5.74E-04	9.17E-04	0.00E+00	2.51E-04	3.67E-04	0.00E+00
99	441321.7	3768374	2.94E-03	3.59E-03	0.00E+00	3.32E-03	5.22E-03	0.00E+00	5.57E-04	8.90E-04	0.00E+00	2.43E-04	3.56E-04	0.00E+00
100	441330.5	3768370	2.85E-03	3.48E-03	0.00E+00	3.22E-03	5.05E-03	0.00E+00	5.39E-04	8.62E-04	0.00E+00	2.36E-04	3.45E-04	0.00E+00
101	441357	3768360	2.57E-03	3.13E-03	0.00E+00	2.90E-03	4.55E-03	0.00E+00	4.86E-04	7.76E-04	0.00E+00	2.13E-04	3.11E-04	0.00E+00
102	441365.8	3768356	2.48E-03	3.02E-03	0.00E+00	2.79E-03	4.39E-03	0.00E+00	4.68E-04	7.49E-04	0.00E+00	2.05E-04	3.00E-04	0.00E+00
103	441374.7	3768352	2.39E-03	2.91E-03	0.00E+00	2.69E-03	4.23E-03	0.00E+00	4.51E-04	7.21E-04	0.00E+00	1.97E-04	2.89E-04	0.00E+00
104	441383.5	3768349	2.30E-03	2.80E-03	0.00E+00	2.59E-03	4.07E-03	0.00E+00	4.34E-04	6.94E-04	0.00E+00	1.90E-04	2.78E-04	0.00E+00
105	441392.4	3768345	2.20E-03	2.69E-03	0.00E+00	2.48E-03	3.91E-03	0.00E+00	4.17E-04	6.66E-04	0.00E+00	1.82E-04	2.67E-04	0.00E+00
106	441216.2	3768473	4.88E-03	5.95E-03	0.00E+00	5.50E-03	8.65E-03	0.00E+00	9.23E-04	1.47E-03	0.00E+00	4.04E-04	5.91E-04	0.00E+00
107	441220.1	3768464	4.72E-03	5.75E-03	0.00E+00	5.32E-03	8.36E-03	0.00E+00	8.91E-04	1.42E-03	0.00E+00	3.90E-04	5.71E-04	0.00E+00
108	441263.7	3768378	3.17E-03	3.87E-03	0.00E+00	3.57E-03	5.62E-03	0.00E+00	6.00E-04	9.58E-04	0.00E+00	2.62E-04	3.84E-04	0.00E+00
109	441272.9	3768374	3.10E-03	3.78E-03	0.00E+00	3.49E-03	5.49E-03	0.00E+00	5.86E-04	9.36E-04	0.00E+00	2.56E-04	3.75E-04	0.00E+00
110	441282	3768370	3.01E-03	3.67E-03	0.00E+00	3.39E-03	5.33E-03	0.00E+00	5.69E-04	9.09E-04	0.00E+00	2.49E-04	3.64E-04	0.00E+00
111	441291.2	3768367	2.91E-03	3.55E-03	0.00E+00	3.28E-03	5.16E-03	0.00E+00	5.50E-04	8.79E-04	0.00E+00	2.41E-04	3.52E-04	0.00E+00
112	441300.3	3768363	2.81E-03	3.42E-03	0.00E+00	3.17E-03	4.98E-03	0.00E+00	5.31E-04	8.48E-04	0.00E+00	2.32E-04	3.40E-04	0.00E+00
113	441309.5	3768359	2.73E-03	3.33E-03	0.00E+00	3.08E-03	4.84E-03	0.00E+00	5.16E-04	8.25E-04	0.00E+00	2.26E-04	3.30E-04	0.00E+00
114	441318.6	3768355	2.65E-03	3.23E-03	0.00E+00	2.99E-03	4.70E-03	0.00E+00	5.01E-04	8.01E-04	0.00E+00	2.19E-04	3.21E-04	0.00E+00
115	441327.8	3768352	2.57E-03	3.13E-03	0.00E+00	2.90E-03	4.55E-03	0.00E+00	4.86E-04	7.76E-04	0.00E+00	2.12E-04	3.11E-04	0.00E+00
116	441355.2	3768340	2.31E-03	2.81E-03	0.00E+00	2.60E-03	4.09E-03	0.00E+00	4.36E-04	6.98E-04	0.00E+00	1.91E-04	2.79E-04	0.00E+00
117	441364.3	3768337	2.22E-03	2.71E-03	0.00E+00	2.51E-03	3.94E-03	0.00E+00	4.20E-04	6.72E-04	0.00E+00	1.84E-04	2.69E-04	0.00E+00
118	441373.5	3768333	2.14E-03	2.61E-03	0.00E+00	2.41E-03	3.80E-03	0.00E+00	4.05E-04	6.47E-04	0.00E+00	1.77E-04	2.59E-04	0.00E+00
119	441382.6	3768329	2.06E-03	2.51E-03	0.00E+00	2.32E-03	3.65E-03	0.00E+00	3.89E-04	6.22E-04	0.00E+00	1.70E-04	2.49E-04	0.00E+00
120	441391.8	3768325	1.98E-03	2.41E-03	0.00E+00	2.23E-03	3.50E-03	0.00E+00	3.73E-04	5.97E-04	0.00E+00	1.63E-04	2.39E-04	0.00E+00
121	441195.6	3768474	4.69E-03	5.72E-03	0.00E+00	5.29E-03	8.31E-03	0.00E+00	8.87E-04	1.42E-03	0.00E+00	3.88E-04	5.68E-04	0.00E+00
122	441199.3	3768465	4.55E-03	5.55E-03	0.00E+00	5.13E-03	8.06E-03	0.00E+00	8.60E-04	1.37E-03	0.00E+00	3.76E-04	5.51E-04	0.00E+00
123	441221.8	3768412	3.68E-03	4.49E-03	0.00E+00	4.15E-03	6.52E-03	0.00E+00	6.96E-04	1.11E-03	0.00E+00	3.04E-04	4.46E-04	0.00E+00
124	441225.5	3768403	3.54E-03	4.31E-03	0.00E+00	3.99E-03	6.27E-03	0.00E+00	6.68E-04	1.07E-03	0.00E+00	2.92E-04	4.28E-04	0.00E+00
125	441229.3	3768394	3.40E-03	4.14E-03	0.00E+00	3.83E-03	6.02E-03	0.00E+00	6.42E-04	1.03E-03	0.00E+00	2.81E-04	4.11E-04	0.00E+00
126	441233	3768385	3.26E-03	3.97E-03	0.00E+00	3.67E-03	5.77E-03	0.00E+00	6.16E-04	9.84E-04	0.00E+00	2.69E-04	3.94E-04	0.00E+00
127	441236.7	3768376	3.12E-03	3.81E-03	0.00E+00	3.52E-03	5.53E-03	0.00E+00	5.90E-04	9.44E-04	0.00E+00	2.58E-04	3.78E-04	0.00E+00
128	441258.3	3768360	2.88E-03	3.51E-03	0.00E+00	3.25E-03	5.11E-03	0.00E+00	5.45E-04	8.71E-04	0.00E+00	2.38E-04	3.49E-04	0.00E+00
129	441267.3	3768356	2.82E-03	3.44E-03	0.00E+00	3.18E-03	4.99E-03	0.00E+00	5.33E-04	8.52E-04	0.00E+00	2.33E-04	3.41E-04	0.00E+00
130	441276.2	3768353	2.74E-03	3.34E-03	0.00E+00	3.09E-03	4.86E-03	0.00E+00	5.18E-04	8.28E-04	0.00E+00	2.27E-04	3.32E-04	0.00E+00
131	441285.1	3768349	2.66E-03	3.24E-03	0.00E+00	3.00E-03	4.71E-03	0.00E+00	5.03E-04	8.04E-04	0.00E+00	2.20E-04	3.22E-04	0.00E+00
132	441294.1	3768345	2.58E-03	3.14E-03	0.00E+00	2.91E-03	4.57E-03	0.00E+00	4.87E-04	7.79E-04	0.00E+00	2.13E-04	3.12E-04	0.00E+00
133	441303	3768342	2.50E-03	3.05E-03	0.00E+00	2.82E-03	4.43E-03	0.00E+00	4.73E-04	7.56E-04	0.00E+00	2.07E-04	3.03E-04	0.00E+00
134	441311.9	3768338	2.43E-03	2.97E-03	0.00E+00	2.74E-03	4.31E-03	0.00E+00	4.60E-04	7.35E-04	0.00E+00	2.01E-04	2.94E-04	0.00E+00
135	441320.9	3768334	2.36E-03	2.88E-03	0.00E+00	2.66E-03	4.18E-03	0.00E+00	4.46E-04	7.13E-04	0.00E+00	1.95E-04	2.86E-04	0.00E+00
136	441329.8	3768331	2.29E-03	2.79E-03	0.00E+00	2.58E-03	4.05E-03	0.00E+00	4.32E-04	6.91E-04	0.00E+00	1.89E-04	2.77E-04	0.00E+00
137	441356.6	3768320	2.05E-03	2.50E-03	0.00E+00	2.31E-03	3.64E-03	0.00E+00	3.88E-04	6.20E-04	0.00E+00	1.70E-04	2.48E-04	0.00E+00
138	441365.5	3768316	1.98E-03	2.41E-03	0.00E+00	2.23E-03	3.51E-03	0.00E+00	3.74E-04	5.98E-04	0.00E+00	1.64E-04	2.39E-04	0.00E+00
139	441374.4	3768312	1.91E-03	2.33E-03	0.00E+00	2.15E-03	3.38E-03	0.00E+00	3.61E-04	5.76E-04	0.00E+00	1.58E-04	2.31E-04	0.00E+00
140	441383.4	3768309	1.84E-03	2.24E-03	0.00E+00	2.07E-03	3.26E-03	0.00E+00	3.47E-04	5.55E-04	0.00E+00	1.52E-04	2.22E-04	0.00E+00
141	441392.3	3768305	1.77E-03	2.15E-03	0.00E+00	1.99E-03	3.13E-03	0.00E+00	3.34E-04	5.34E-04	0.00E+00	1.46E-04	2.14E-04	0.00E+00
142	441175.1	3768475	4.46E-03	5.43E-03	0.00E+00	5.02E-03	7.90E-03	0.00E+00	8.42E-04	1.35E-03	0.00E+00	3.68E-04	5.39E-04	0.00E+00
143	441178.7	3768467	4.35E-03	5.30E-03	0.00E+00	4.90E-03	7.70E-03	0.00E+00	8.21E-04	1.31E-03	0.00E+00	3.59E-04	5.26E-04	0.00E+00
144	441200.7	3768414	3.60E-03	4.39E-03	0.00E+00	4.06E-03	6.38E-03	0.00E+00	6.80E-04	1.09E-03	0.00E+00	2.98E-04	4.36E-04	0.00E+00
145	441204.4	3768405	3.47E-03	4.23E-03	0.00E+00	3.91E-03	6.15E-03	0.00E+00	6.56E-04	1.05E-03	0.00E+00	2.87E-04	4.20E-04	0.00E+00
146	441208.1	3768397	3.35E-03	4.08E-03	0.00E+00	3.77E-03	5.93E-03	0.00E+00	6.33E-04	1.01E-03	0.00E+00	2.77E-04	4.05E-04	0.00E+00
147	441211.7	3768388	3.22E-03	3.93E-03	0.00E+00	3.63E-03	5.71E-03	0.00E+00	6.10E-04	9.74E-04	0.00E+00	2.67E-04	3.90E-04	0.00E+00
148	441215.4	3768379	3.10E-03	3.78E-03	0.00E+00	3.50E-03	5.50E-03	0.00E+00	5.87E-04	9.38E-04	0.00E+00	2.57E-04	3.76E-04	0.00E+00
149	441219.1	3768371	2.99E-03	3.64E-03	0.00E+00	3.37E-03	5.29E-03	0.00E+00	5.65E-04	9.02E-04	0.00E+00	2.47E-04	3.62E-04	0.00E+00
150	441222.7	3768362	2.87E-03	3.50E-03	0.00E+00	3.24E-03	5.09E-03	0.00E+00	5.43E-04	8.68E-04	0.00E+00	2.38E-04	3.48E-04	0.00E+00
151	441235.2	3768350	2.72E-03	3.32E-03	0.00E+00	3.07E-03	4.82E-03	0.00E+00	5.14E-04	8.22E-04	0.00E+00	2.25E-04	3.29E-04	0.00E+00
152	441261.4	3768339	2.56E-03	3.13E-03	0.00E+00	2.89E-03	4.54E-03	0.00E+00	4.85E-04	7.75E-04	0.00E+00	2.12E-04	3.10E-04	0.00E+00
153	441270.2	3768335	2.50E-03	3.05E-03	0.00E+00	2.82E-03	4.43E-03	0.00E+00	4.73E-04	7.56E-04	0.00E+00	2.07E-04	3.03E-04	0.00E+00
154	441278.9	3768332	2.44E-03	2.97E-03	0.00E+00	2.75E-03	4.32E-03	0.00E+00	4.60E-04	7.36E-04	0.00E+00	2.01E-04	2.95E-04	0.00E+00
155	441287.7	3768328	2.37E-03	2.89E-03	0.00E+00	2.67E-03	4.20E-03	0.00E+00	4.48E-04	7.15E-04	0.00E+00	1.96E-04	2.87E-04	0.00E+00
156	441296.4	3768324	2.30E-03	2.80E-03	0.00E+00	2.59E-03	4.07E-03	0.00E+00	4.34E-04	6.94E-04	0.00E+00	1.90E-04	2.78E-04	0.00E+00
157	441305.2	3768321	2.23E-03	2.72E-03	0.00E+00	2.51E-03	3.95E-03	0.00E+00	4.21E-04	6.73E-04	0.00E+00	1.84E-04	2.70E-04	0.00E+00
158	441313.9	3768317	2.16E-03	2.63E-03	0.00E+00	2.44E-03	3.83E-03	0.00E+00	4.09E-04	6.53E-04	0.00E+00	1.79E-04	2.62E-04	0.00E+00
159	441322.7	3768314	2.09E-03	2.55E-03	0.00E+00	2.36E-03	3.71E-03	0.00E+00	3.96E-04	6.32E-04	0.00E+00	1.73E-04	2.53E-04	0.00E+00
160	441331.4	3768310	2.02E-03	2.47E-03	0.00E+00	2.28E-03	3.59E-03	0.00E+00	3.83E-04	6.11E-04	0.00E+00	1.67E-04	2.45E-04	0.00E+00
161	441357.7	3768299	1.83E-03	2.23E-03	0.00E+00	2.07E-03	3.25E-03	0.00E+00	3.46E-04	5.54E-04	0.00E+00	1.52E-04	2.22E-04	0.00E+00
162	441366.5	3768296	1.77E-03	2.16E-03	0.00E+00	2.00E-03	3.14E-03	0.00E+00	3.35E-04	5.35E-04	0.00E+00	1.46E-04	2.14E-04	0.00E+00
163	441375.2	3768292	1.71E-03	2.09E-03	0.00E+00	1.93E-03	3.03E-03	0.00E+00	3.23E-04	5.17E-04	0.00E+00	1.41E-04	2.07E-04	0.00E+00
164	441384	3768289	1.65E-03	2.01E-03	0.00E+00	1.86E-03	2.93E-03	0.00E+00	3.12E-04	4.99E-04	0.00E+00	1.37E-04	2.00E-04	0.00E+00
165	441392.7	3768285	1.59E-03	1.94E-03	0.00E+00	1.79E-03	2.82E-03	0.00E+00	3.01E-04	4.81E-04	0.00E+00	1.32E-04	1.93E-04	0.00E+00
166	441155.8	3768473	4.14E-03	5.05E-03	0.00E+00	4.67E-03	7.34E-03	0.00E+00	7.83E-04	1.25E-03	0.00E+00	3.42E-04	5.01E-04	0.00E+00
167	441159.6	3768464	4.05E-03	4.94E-03	0.00E+00	4.57E-03	7.18E-03	0.00E+00	7.66E-04	1.22E-03	0.00E+00	3.35E-04	4.91E-04	0.00E+00
168	441182.2	3768411	3.41E-03	4.16E-03	0.00E+00	3.84E-03	6.04E-03	0.00E+00	6.44E-04	1.03E-03	0.00E+00	2.82E-04	4.13E-04	0.00E+00
169	441185.9	3768402	3.30E-03	4.02E-03	0.00E+00	3.72E-03	5.84E-03	0.00E+00	6.23E-04	9.96E-04	0.00E+00	2.73E-04	3.99E-04	0.00E+00
170	441189.7	3768393	3.19E-03	3.88E-03	0.00E+00	3.59E-03	5.65E-03	0.00E+00	6.02E-04	9.63E-04	0.00E+00	2.63E-04	3.86E-04	0.00E+00
171	441193.5	3768384	3.07E-03	3.75E-03	0.00E+00	3.46E-03	5.45E-03	0.00E+00	5.81E-04	9.29E-04	0.00E+00	2.54E-04	3.72E-04	0.00E+00
172	441197.2	3768375	2.96E-03	3.61E-03	0.00E+00	3.34E-03	5.25E-03	0.00E+00	5.60E-04	8.95E-04	0.00E+00	2.45E-04	3.59E-04	0.00E+00
173	441201	3768366	2.86E-03	3.48E-03	0.00E+00	3.22E-03	5.06E-03	0.00E+00	5.40E-04	8.63E-04	0.00E+00	2.36E-04	3.46E-04	0.00E+00
174	441204.8	3768357	2.75E-03	3.35E-03	0.00E+00	3.10E-03	4.88E-03	0.00E+00	5.20E-04	8.31E-04	0.00E+00	2.28E-04	3.33E-04	0.00E+00
175	441208.6	3768348	2.65E-03	3.23E-03	0.00E+00	2.98E-03	4.69E-03	0.00E+00	5.00E-04	7.99E-04	0.00E+00	2.19E-04	3.20E-04	0.00E+00
176	441221.3	3768335	2.51E-03	3.06E-03	0.00E+00	2.83E-03	4.45E-03	0.00E+00	4.75E-04	7.59E-04	0.00E+00	2.08E-04	3.04E-04	0.00E+00
177	441230.3	3768332	2.48E-03	3.02E-03	0.00E+00	2.79E-03	4.39E-03	0.00E+00	4.68E-04	7.48E-04	0.00E+00	2.05E-04	3.00E-04	0.00E+00
178	441257.3	3768321	2.33E-03	2.84E-03	0.00E+00	2.63E-03	4.14E-03	0.00E+00	4.41E-04	7.05E-04	0.00E+00	1.93E-04	2.82E-04	0.00E+00
179	441266.3	3768317	2.27E-03	2.77E-03	0.00E+00	2.56E-03	4.03E-03	0.00E+00	4.30E-04	6.87E-04	0.00E+00	1.88E-04	2.75E-04	0.00E+00

180	441275.3	3768313	2.21E-03	2.69E-03	0.00E+00	2.49E-03	3.92E-03	0.00E+00	4.18E-04	6.68E-04	0.00E+00	1.83E-04	2.67E-04	0.00E+00
181	441284.3	3768309	2.15E-03	2.62E-03	0.00E+00	2.42E-03	3.80E-03	0.00E+00	4.06E-04	6.48E-04	0.00E+00	1.77E-04	2.60E-04	0.00E+00
182	441293.3	3768306	2.08E-03	2.54E-03	0.00E+00	2.34E-03	3.69E-03	0.00E+00	3.93E-04	6.28E-04	0.00E+00	1.72E-04	2.52E-04	0.00E+00
183	441302.3	3768302	2.01E-03	2.46E-03	0.00E+00	2.27E-03	3.57E-03	0.00E+00	3.81E-04	6.08E-04	0.00E+00	1.67E-04	2.44E-04	0.00E+00
184	441311.3	3768298	1.95E-03	2.38E-03	0.00E+00	2.20E-03	3.46E-03	0.00E+00	3.69E-04	5.90E-04	0.00E+00	1.62E-04	2.36E-04	0.00E+00
185	441320.3	3768295	1.90E-03	2.31E-03	0.00E+00	2.14E-03	3.36E-03	0.00E+00	3.58E-04	5.73E-04	0.00E+00	1.57E-04	2.29E-04	0.00E+00
186	441329.3	3768291	1.84E-03	2.24E-03	0.00E+00	2.07E-03	3.26E-03	0.00E+00	3.47E-04	5.55E-04	0.00E+00	1.52E-04	2.22E-04	0.00E+00
187	441356.3	3768280	1.67E-03	2.03E-03	0.00E+00	1.88E-03	2.95E-03	0.00E+00	3.15E-04	5.03E-04	0.00E+00	1.38E-04	2.02E-04	0.00E+00
188	441365.3	3768276	1.61E-03	1.96E-03	0.00E+00	1.81E-03	2.85E-03	0.00E+00	3.04E-04	4.86E-04	0.00E+00	1.33E-04	1.95E-04	0.00E+00
189	441374.3	3768273	1.55E-03	1.89E-03	0.00E+00	1.75E-03	2.75E-03	0.00E+00	2.94E-04	4.70E-04	0.00E+00	1.29E-04	1.88E-04	0.00E+00
190	441383.3	3768269	1.50E-03	1.83E-03	0.00E+00	1.69E-03	2.66E-03	0.00E+00	2.84E-04	4.53E-04	0.00E+00	1.24E-04	1.82E-04	0.00E+00
191	441392.3	3768265	1.45E-03	1.77E-03	0.00E+00	1.63E-03	2.57E-03	0.00E+00	2.74E-04	4.38E-04	0.00E+00	1.20E-04	1.75E-04	0.00E+00
192	441135.3	3768474	3.83E-03	4.66E-03	0.00E+00	4.31E-03	6.78E-03	0.00E+00	7.23E-04	1.16E-03	0.00E+00	3.16E-04	4.63E-04	0.00E+00
193	441139	3768466	3.77E-03	4.60E-03	0.00E+00	4.25E-03	6.68E-03	0.00E+00	7.13E-04	1.14E-03	0.00E+00	3.12E-04	4.56E-04	0.00E+00
194	441161.2	3768413	3.26E-03	3.97E-03	0.00E+00	3.68E-03	5.78E-03	0.00E+00	6.16E-04	9.85E-04	0.00E+00	2.70E-04	3.95E-04	0.00E+00
195	441164.9	3768404	3.17E-03	3.87E-03	0.00E+00	3.58E-03	5.62E-03	0.00E+00	6.00E-04	9.58E-04	0.00E+00	2.62E-04	3.84E-04	0.00E+00
196	441168.6	3768395	3.08E-03	3.76E-03	0.00E+00	3.48E-03	5.46E-03	0.00E+00	5.83E-04	9.31E-04	0.00E+00	2.55E-04	3.73E-04	0.00E+00
197	441172.3	3768386	2.99E-03	3.65E-03	0.00E+00	3.37E-03	5.30E-03	0.00E+00	5.66E-04	9.04E-04	0.00E+00	2.47E-04	3.62E-04	0.00E+00
198	441176	3768378	2.90E-03	3.53E-03	0.00E+00	3.26E-03	5.13E-03	0.00E+00	5.47E-04	8.75E-04	0.00E+00	2.39E-04	3.50E-04	0.00E+00
199	441179.7	3768369	2.80E-03	3.41E-03	0.00E+00	3.15E-03	4.96E-03	0.00E+00	5.29E-04	8.46E-04	0.00E+00	2.31E-04	3.39E-04	0.00E+00
200	441183.4	3768360	2.70E-03	3.30E-03	0.00E+00	3.05E-03	4.79E-03	0.00E+00	5.11E-04	8.17E-04	0.00E+00	2.24E-04	3.27E-04	0.00E+00
201	441187.1	3768351	2.61E-03	3.18E-03	0.00E+00	2.94E-03	4.63E-03	0.00E+00	4.94E-04	7.89E-04	0.00E+00	2.16E-04	3.16E-04	0.00E+00
202	441190.8	3768342	2.52E-03	3.07E-03	0.00E+00	2.84E-03	4.46E-03	0.00E+00	4.76E-04	7.61E-04	0.00E+00	2.08E-04	3.05E-04	0.00E+00
203	441194.5	3768334	2.43E-03	2.96E-03	0.00E+00	2.74E-03	4.30E-03	0.00E+00	4.59E-04	7.34E-04	0.00E+00	2.01E-04	2.94E-04	0.00E+00
204	441207.1	3768321	2.33E-03	2.84E-03	0.00E+00	2.62E-03	4.12E-03	0.00E+00	4.40E-04	7.03E-04	0.00E+00	1.92E-04	2.82E-04	0.00E+00
205	441215.9	3768318	2.30E-03	2.81E-03	0.00E+00	2.60E-03	4.08E-03	0.00E+00	4.35E-04	6.96E-04	0.00E+00	1.90E-04	2.79E-04	0.00E+00
206	441224.8	3768314	2.27E-03	2.77E-03	0.00E+00	2.56E-03	4.03E-03	0.00E+00	4.30E-04	6.87E-04	0.00E+00	1.88E-04	2.75E-04	0.00E+00
207	441233.6	3768310	2.24E-03	2.73E-03	0.00E+00	2.53E-03	3.97E-03	0.00E+00	4.24E-04	6.77E-04	0.00E+00	1.85E-04	2.71E-04	0.00E+00
208	441260.1	3768299	2.09E-03	2.55E-03	0.00E+00	2.36E-03	3.71E-03	0.00E+00	3.95E-04	6.32E-04	0.00E+00	1.73E-04	2.53E-04	0.00E+00
209	441268.9	3768296	2.03E-03	2.48E-03	0.00E+00	2.29E-03	3.60E-03	0.00E+00	3.84E-04	6.14E-04	0.00E+00	1.68E-04	2.46E-04	0.00E+00
210	441277.8	3768292	1.98E-03	2.41E-03	0.00E+00	2.23E-03	3.51E-03	0.00E+00	3.74E-04	5.98E-04	0.00E+00	1.64E-04	2.40E-04	0.00E+00
211	441286.6	3768289	1.93E-03	2.35E-03	0.00E+00	2.17E-03	3.41E-03	0.00E+00	3.64E-04	5.82E-04	0.00E+00	1.59E-04	2.33E-04	0.00E+00
212	441295.5	3768285	1.87E-03	2.28E-03	0.00E+00	2.11E-03	3.32E-03	0.00E+00	3.54E-04	5.66E-04	0.00E+00	1.55E-04	2.27E-04	0.00E+00
213	441304.3	3768281	1.82E-03	2.22E-03	0.00E+00	2.05E-03	3.23E-03	0.00E+00	3.44E-04	5.50E-04	0.00E+00	1.51E-04	2.20E-04	0.00E+00
214	441313.1	3768278	1.77E-03	2.16E-03	0.00E+00	1.99E-03	3.14E-03	0.00E+00	3.34E-04	5.35E-04	0.00E+00	1.46E-04	2.14E-04	0.00E+00
215	441322	3768274	1.72E-03	2.09E-03	0.00E+00	1.94E-03	3.04E-03	0.00E+00	3.25E-04	5.19E-04	0.00E+00	1.42E-04	2.08E-04	0.00E+00
216	441330.8	3768270	1.67E-03	2.03E-03	0.00E+00	1.88E-03	2.95E-03	0.00E+00	3.15E-04	5.03E-04	0.00E+00	1.38E-04	2.02E-04	0.00E+00
217	441357.3	3768260	1.51E-03	1.84E-03	0.00E+00	1.70E-03	2.67E-03	0.00E+00	2.85E-04	4.55E-04	0.00E+00	1.25E-04	1.82E-04	0.00E+00
218	441366.2	3768256	1.46E-03	1.78E-03	0.00E+00	1.64E-03	2.58E-03	0.00E+00	2.76E-04	4.40E-04	0.00E+00	1.21E-04	1.76E-04	0.00E+00
219	441375	3768252	1.41E-03	1.72E-03	0.00E+00	1.59E-03	2.50E-03	0.00E+00	2.67E-04	4.26E-04	0.00E+00	1.17E-04	1.71E-04	0.00E+00
220	441383.8	3768249	1.37E-03	1.66E-03	0.00E+00	1.54E-03	2.42E-03	0.00E+00	2.58E-04	4.13E-04	0.00E+00	1.13E-04	1.65E-04	0.00E+00
221	441392.7	3768245	1.32E-03	1.61E-03	0.00E+00	1.49E-03	2.34E-03	0.00E+00	2.50E-04	3.99E-04	0.00E+00	1.09E-04	1.60E-04	0.00E+00
222	441099.2	3768465	3.18E-03	3.88E-03	0.00E+00	3.58E-03	5.63E-03	0.00E+00	6.01E-04	9.60E-04	0.00E+00	2.63E-04	3.85E-04	0.00E+00
223	441121.6	3768412	2.87E-03	3.50E-03	0.00E+00	3.24E-03	5.09E-03	0.00E+00	5.43E-04	8.68E-04	0.00E+00	2.38E-04	3.48E-04	0.00E+00
224	441125.3	3768403	2.82E-03	3.44E-03	0.00E+00	3.18E-03	4.99E-03	0.00E+00	5.33E-04	8.51E-04	0.00E+00	2.33E-04	3.41E-04	0.00E+00
225	441129.1	3768394	2.76E-03	3.36E-03	0.00E+00	3.11E-03	4.89E-03	0.00E+00	5.22E-04	8.34E-04	0.00E+00	2.28E-04	3.34E-04	0.00E+00
226	441132.8	3768385	2.70E-03	3.29E-03	0.00E+00	3.05E-03	4.79E-03	0.00E+00	5.11E-04	8.16E-04	0.00E+00	2.23E-04	3.27E-04	0.00E+00
227	441136.5	3768376	2.64E-03	3.22E-03	0.00E+00	2.98E-03	4.68E-03	0.00E+00	4.99E-04	7.98E-04	0.00E+00	2.18E-04	3.20E-04	0.00E+00
228	441155.2	3768332	2.29E-03	2.79E-03	0.00E+00	2.58E-03	4.06E-03	0.00E+00	4.33E-04	6.92E-04	0.00E+00	1.89E-04	2.77E-04	0.00E+00
229	441158.9	3768323	2.22E-03	2.71E-03	0.00E+00	2.50E-03	3.93E-03	0.00E+00	4.20E-04	6.71E-04	0.00E+00	1.84E-04	2.69E-04	0.00E+00
230	441162.6	3768314	2.15E-03	2.62E-03	0.00E+00	2.43E-03	3.82E-03	0.00E+00	4.07E-04	6.50E-04	0.00E+00	1.78E-04	2.61E-04	0.00E+00
231	441166.4	3768305	2.09E-03	2.54E-03	0.00E+00	2.35E-03	3.70E-03	0.00E+00	3.94E-04	6.30E-04	0.00E+00	1.73E-04	2.53E-04	0.00E+00
232	441179	3768293	2.01E-03	2.45E-03	0.00E+00	2.27E-03	3.56E-03	0.00E+00	3.80E-04	6.07E-04	0.00E+00	1.66E-04	2.43E-04	0.00E+00
233	441214.6	3768278	1.93E-03	2.36E-03	0.00E+00	2.18E-03	3.42E-03	0.00E+00	3.65E-04	5.84E-04	0.00E+00	1.60E-04	2.34E-04	0.00E+00
234	441223.5	3768274	1.90E-03	2.32E-03	0.00E+00	2.14E-03	3.37E-03	0.00E+00	3.59E-04	5.74E-04	0.00E+00	1.57E-04	2.30E-04	0.00E+00
235	441259.1	3768260	1.75E-03	2.13E-03	0.00E+00	1.97E-03	3.09E-03	0.00E+00	3.30E-04	5.27E-04	0.00E+00	1.44E-04	2.11E-04	0.00E+00
236	441268	3768256	1.71E-03	2.08E-03	0.00E+00	1.92E-03	3.02E-03	0.00E+00	3.22E-04	5.15E-04	0.00E+00	1.41E-04	2.06E-04	0.00E+00
237	441276.9	3768253	1.66E-03	2.03E-03	0.00E+00	1.88E-03	2.95E-03	0.00E+00	3.15E-04	5.03E-04	0.00E+00	1.38E-04	2.01E-04	0.00E+00
238	441285.8	3768249	1.62E-03	1.98E-03	0.00E+00	1.83E-03	2.87E-03	0.00E+00	3.06E-04	4.90E-04	0.00E+00	1.34E-04	1.96E-04	0.00E+00
239	441294.7	3768245	1.58E-03	1.92E-03	0.00E+00	1.78E-03	2.79E-03	0.00E+00	2.98E-04	4.76E-04	0.00E+00	1.30E-04	1.91E-04	0.00E+00
240	441303.6	3768242	1.53E-03	1.87E-03	0.00E+00	1.73E-03	2.71E-03	0.00E+00	2.89E-04	4.62E-04	0.00E+00	1.27E-04	1.85E-04	0.00E+00
241	441312.5	3768238	1.48E-03	1.81E-03	0.00E+00	1.67E-03	2.63E-03	0.00E+00	2.81E-04	4.48E-04	0.00E+00	1.23E-04	1.80E-04	0.00E+00
242	441321.4	3768234	1.44E-03	1.75E-03	0.00E+00	1.62E-03	2.55E-03	0.00E+00	2.72E-04	4.34E-04	0.00E+00	1.19E-04	1.74E-04	0.00E+00
243	441330.4	3768231	1.39E-03	1.70E-03	0.00E+00	1.57E-03	2.47E-03	0.00E+00	2.63E-04	4.21E-04	0.00E+00	1.15E-04	1.69E-04	0.00E+00
244	441357.1	3768220	1.26E-03	1.54E-03	0.00E+00	1.42E-03	2.24E-03	0.00E+00	2.39E-04	3.82E-04	0.00E+00	1.04E-04	1.53E-04	0.00E+00
245	441366	3768216	1.22E-03	1.49E-03	0.00E+00	1.38E-03	2.17E-03	0.00E+00	2.31E-04	3.70E-04	0.00E+00	1.01E-04	1.48E-04	0.00E+00
246	441374.9	3768212	1.19E-03	1.45E-03	0.00E+00	1.34E-03	2.10E-03	0.00E+00	2.24E-04	3.59E-04	0.00E+00	9.82E-05	1.44E-04	0.00E+00
247	441383.8	3768209	1.15E-03	1.40E-03	0.00E+00	1.30E-03	2.04E-03	0.00E+00	2.18E-04	3.48E-04	0.00E+00	9.53E-05	1.39E-04	0.00E+00
248	441392.7	3768205	1.12E-03	1.36E-03	0.00E+00	1.26E-03	1.98E-03	0.00E+00	2.12E-04	3.38E-04	0.00E+00	9.25E-05	1.35E-04	0.00E+00
249	441078.2	3768420	2.57E-03	3.13E-03	0.00E+00	2.90E-03	4.55E-03	0.00E+00	4.86E-04	7.76E-04	0.00E+00	2.13E-04	3.11E-04	0.00E+00
250	441081.9	3768411	2.54E-03	3.10E-03	0.00E+00	2.87E-03	4.51E-03	0.00E+00	4.81E-04	7.68E-04	0.00E+00	2.10E-04	3.08E-04	0.00E+00
251	441085.7	3768402	2.51E-03	3.06E-03	0.00E+00	2.83E-03	4.45E-03	0.00E+00	4.74E-04	7.58E-04	0.00E+00	2.08E-04	3.04E-04	0.00E+00
252	441089.4	3768393	2.47E-03	3.01E-03	0.00E+00	2.79E-03	4.38E-03	0.00E+00	4.67E-04	7.47E-04	0.00E+00	2.04E-04	2.99E-04	0.00E+00
253	441093.2	3768384	2.43E-03	2.97E-03	0.00E+00	2.74E-03	4.31E-03	0.00E+00	4.60E-04	7.35E-04	0.00E+00	2.01E-04	2.95E-04	0.00E+00
254	441096.9	3768375	2.40E-03	2.92E-03	0.00E+00	2.70E-03	4.24E-03	0.00E+00	4.53E-04	7.24E-04	0.00E+00	1.98E-04	2.90E-04	0.00E+00
255	441100.7	3768366	2.35E-03	2.87E-03	0.00E+00	2.65E-03	4.17E-03	0.00E+00	4.45E-04	7.11E-04	0.00E+00	1.95E-04	2.85E-04	0.00E+00
256	441104.4	3768357	2.31E-03	2.82E-03	0.00E+00	2.60E-03	4.10E-03	0.00E+00	4.37E-04	6.98E-04	0.00E+00	1.91E-04	2.80E-04	0.00E+00
257	441108.2	3768348	2.27E-03	2.76E-03	0.00E+00	2.56E-03	4.02E-03	0.00E+00	4.29E-04	6.85E-04	0.00E+00	1.87E-04	2.74E-04	0.00E+00
258	441111.9	3768339	2.22E-03	2.71E-03	0.00E+00	2.50E-03	3.94E-03	0.00E+00	4.20E-04	6.71E-04	0.00E+00	1.84E-04	2.69E-04	0.00E+00
259	441115.7	3768330	2.17E-03	2.65E-03	0.00E+00	2.45E-03	3.85E-03	0.00E+00	4.10E-04	6.56E-04	0.00E+00	1.80E-04	2.63E-04	0.00E+00
260	441119.4	3768321	2.12E-03	2.58E-03	0.00E+00	2.39E-03	3.76E-03	0.00E+00	4.01E-04	6.40E-04	0.00E+00	1.75E-04	2.57E-04	0.00E+00
261	441123.2	3768313	2.07E-03	2.52E-03	0.00E+00	2.33E-03	3.66E-03	0.00E+00	3.91E-04	6.24E-04	0.00E+00	1.71E-04	2.50E-04	0.00E+00
262	441126.9	3768304	2.01E-03	2.45E-03	0.00E+00	2.27E-03	3.57E-03	0.00E+00	3.80E-04	6.08E-04	0.00E+00	1.66E-04	2.43E-04	0.00E+00
263	441138.2	3768277	1.84E-03	2.25E-03	0.00E+00	2.08E-03	3.27E-03	0.00E+00	3.49E-04	5.57E-04	0.00E+00	1.52E-04	2.23E-04	0.00E+00
264	441150.9	3768264	1.78E-03	2.17E-03	0.00E+00	2.00E-03	3.15E-03	0.00E+00	3.36E-04	5.37E-04	0.00E+00	1.47E-04	2.15E-04	0.00E+00
265	441159.9	3768261	1.77E-03	2.16E-03	0.00E+00	1.99E-03	3.13E-03	0.00E+00	3.34E-04	5.34E-04	0.00E+00	1.46E-04	2.14E-04	0.00E+00
266	441168.8	3768257	1.76E-03	2.14E-03	0.00E+00	1.98E-03	3.11E-03	0.00E+00	3.32E-04	5.31E-04	0.00E+00	1.45E-04	2.13E-04	0.00E+00
267	441177.8	3768253	1.74E-03	2.12E-03	0.00E+00	1.96E-03	3.09E-03	0.00E+00	3.29E-04	5.26E-04	0.00E+00	1.44E-04	2.11E-04	0.00E+00
268	441186.7	3768250	1.72E-03	2.10E-03	0.00E+00	1.94E-03	3.06E-03	0.00E+00	3.26E-04	5.21E-04	0.00E+00	1.43E-04	2.09E-04	0.00E+00
269	441195.7	3768246	1.70E-03	2.08E-03	0.00E+00	1.92E-03	3.02E-03	0.00E+00	3.22E-04	5.14E-04	0.00E+00	1.41E-04	2.06E-04	0.00E+00
270	441204.6	3768242	1.68E-03	2.04E-03	0.00E+00	1.89E-03	2.97E-03	0.00E+00	3.17E-04	5.07E-04	0.00E+00	1.39E-04	2.03E-04	0.00E+00

271	441213.6	3768239	1.65E-03	2.01E-03	0.00E+00	1.86E-03	2.92E-03	0.00E+00	3.12E-04	4.99E-04	0.00E+00	1.36E-04	2.00E-04	0.00E+00
272	441222.5	3768235	1.62E-03	1.98E-03	0.00E+00	1.83E-03	2.88E-03	0.00E+00	3.07E-04	4.90E-04	0.00E+00	1.34E-04	1.96E-04	0.00E+00
273	441258.4	3768220	1.50E-03	1.83E-03	0.00E+00	1.69E-03	2.66E-03	0.00E+00	2.83E-04	4.53E-04	0.00E+00	1.24E-04	1.81E-04	0.00E+00
274	441267.3	3768217	1.47E-03	1.79E-03	0.00E+00	1.65E-03	2.60E-03	0.00E+00	2.77E-04	4.43E-04	0.00E+00	1.21E-04	1.77E-04	0.00E+00
275	441276.3	3768213	1.43E-03	1.74E-03	0.00E+00	1.61E-03	2.53E-03	0.00E+00	2.70E-04	4.31E-04	0.00E+00	1.18E-04	1.73E-04	0.00E+00
276	441285.2	3768209	1.39E-03	1.69E-03	0.00E+00	1.56E-03	2.46E-03	0.00E+00	2.62E-04	4.19E-04	0.00E+00	1.15E-04	1.68E-04	0.00E+00
277	441294.2	3768206	1.34E-03	1.64E-03	0.00E+00	1.52E-03	2.38E-03	0.00E+00	2.54E-04	4.06E-04	0.00E+00	1.11E-04	1.63E-04	0.00E+00
278	441303.1	3768202	1.30E-03	1.59E-03	0.00E+00	1.47E-03	2.31E-03	0.00E+00	2.46E-04	3.93E-04	0.00E+00	1.08E-04	1.58E-04	0.00E+00
279	441312.1	3768198	1.26E-03	1.54E-03	0.00E+00	1.42E-03	2.24E-03	0.00E+00	2.39E-04	3.81E-04	0.00E+00	1.04E-04	1.53E-04	0.00E+00
280	441321.1	3768195	1.22E-03	1.49E-03	0.00E+00	1.38E-03	2.16E-03	0.00E+00	2.31E-04	3.69E-04	0.00E+00	1.01E-04	1.48E-04	0.00E+00
281	441330	3768191	1.18E-03	1.44E-03	0.00E+00	1.33E-03	2.09E-03	0.00E+00	2.23E-04	3.56E-04	0.00E+00	9.76E-05	1.43E-04	0.00E+00
282	441339	3768187	1.15E-03	1.40E-03	0.00E+00	1.29E-03	2.03E-03	0.00E+00	2.17E-04	3.46E-04	0.00E+00	9.47E-05	1.39E-04	0.00E+00
283	441347.9	3768184	1.11E-03	1.36E-03	0.00E+00	1.25E-03	1.97E-03	0.00E+00	2.10E-04	3.36E-04	0.00E+00	9.20E-05	1.35E-04	0.00E+00
284	441356.9	3768180	1.08E-03	1.32E-03	0.00E+00	1.22E-03	1.92E-03	0.00E+00	2.05E-04	3.27E-04	0.00E+00	8.95E-05	1.31E-04	0.00E+00
285	441365.8	3768176	1.05E-03	1.28E-03	0.00E+00	1.19E-03	1.87E-03	0.00E+00	1.99E-04	3.18E-04	0.00E+00	8.70E-05	1.27E-04	0.00E+00
286	441374.8	3768173	1.02E-03	1.25E-03	0.00E+00	1.15E-03	1.81E-03	0.00E+00	1.93E-04	3.09E-04	0.00E+00	8.45E-05	1.24E-04	0.00E+00
287	441383.7	3768169	9.92E-04	1.21E-03	0.00E+00	1.12E-03	1.76E-03	0.00E+00	1.88E-04	3.00E-04	0.00E+00	8.21E-05	1.20E-04	0.00E+00
288	441392.7	3768165	9.62E-04	1.17E-03	0.00E+00	1.08E-03	1.71E-03	0.00E+00	1.82E-04	2.91E-04	0.00E+00	7.96E-05	1.16E-04	0.00E+00
289	440996.9	3768517	2.12E-03	2.59E-03	0.00E+00	2.39E-03	3.76E-03	0.00E+00	4.01E-04	6.41E-04	0.00E+00	1.75E-04	2.57E-04	0.00E+00
290	441000.7	3768508	2.15E-03	2.62E-03	0.00E+00	2.43E-03	3.81E-03	0.00E+00	4.07E-04	6.50E-04	0.00E+00	1.78E-04	2.60E-04	0.00E+00
291	441004.5	3768499	2.18E-03	2.66E-03	0.00E+00	2.46E-03	3.87E-03	0.00E+00	4.12E-04	6.59E-04	0.00E+00	1.80E-04	2.64E-04	0.00E+00
292	441008.2	3768491	2.21E-03	2.69E-03	0.00E+00	2.49E-03	3.91E-03	0.00E+00	4.17E-04	6.67E-04	0.00E+00	1.83E-04	2.67E-04	0.00E+00
293	441012	3768482	2.23E-03	2.72E-03	0.00E+00	2.51E-03	3.95E-03	0.00E+00	4.22E-04	6.74E-04	0.00E+00	1.84E-04	2.70E-04	0.00E+00
294	441015.8	3768473	2.25E-03	2.74E-03	0.00E+00	2.53E-03	3.98E-03	0.00E+00	4.25E-04	6.79E-04	0.00E+00	1.86E-04	2.72E-04	0.00E+00
295	441019.6	3768464	2.26E-03	2.75E-03	0.00E+00	2.55E-03	4.00E-03	0.00E+00	4.27E-04	6.83E-04	0.00E+00	1.87E-04	2.73E-04	0.00E+00
296	441042.2	3768410	2.22E-03	2.71E-03	0.00E+00	2.51E-03	3.94E-03	0.00E+00	4.20E-04	6.72E-04	0.00E+00	1.84E-04	2.69E-04	0.00E+00
297	441045.9	3768401	2.21E-03	2.70E-03	0.00E+00	2.49E-03	3.92E-03	0.00E+00	4.18E-04	6.68E-04	0.00E+00	1.83E-04	2.68E-04	0.00E+00
298	441049.7	3768392	2.20E-03	2.68E-03	0.00E+00	2.48E-03	3.89E-03	0.00E+00	4.15E-04	6.64E-04	0.00E+00	1.82E-04	2.66E-04	0.00E+00
299	441053.5	3768383	2.18E-03	2.66E-03	0.00E+00	2.46E-03	3.87E-03	0.00E+00	4.13E-04	6.60E-04	0.00E+00	1.81E-04	2.64E-04	0.00E+00
300	441057.2	3768374	2.17E-03	2.64E-03	0.00E+00	2.44E-03	3.84E-03	0.00E+00	4.10E-04	6.55E-04	0.00E+00	1.79E-04	2.62E-04	0.00E+00
301	441061	3768365	2.15E-03	2.62E-03	0.00E+00	2.42E-03	3.80E-03	0.00E+00	4.06E-04	6.48E-04	0.00E+00	1.77E-04	2.60E-04	0.00E+00
302	441064.8	3768356	2.12E-03	2.59E-03	0.00E+00	2.39E-03	3.76E-03	0.00E+00	4.01E-04	6.41E-04	0.00E+00	1.75E-04	2.57E-04	0.00E+00
303	441068.6	3768347	2.09E-03	2.55E-03	0.00E+00	2.36E-03	3.71E-03	0.00E+00	3.96E-04	6.32E-04	0.00E+00	1.73E-04	2.53E-04	0.00E+00
304	441072.3	3768338	2.06E-03	2.52E-03	0.00E+00	2.33E-03	3.66E-03	0.00E+00	3.90E-04	6.24E-04	0.00E+00	1.71E-04	2.50E-04	0.00E+00
305	441076.1	3768329	2.03E-03	2.48E-03	0.00E+00	2.29E-03	3.60E-03	0.00E+00	3.84E-04	6.14E-04	0.00E+00	1.68E-04	2.46E-04	0.00E+00
306	441079.9	3768320	2.00E-03	2.43E-03	0.00E+00	2.25E-03	3.54E-03	0.00E+00	3.77E-04	6.03E-04	0.00E+00	1.65E-04	2.42E-04	0.00E+00
307	441083.6	3768311	1.96E-03	2.39E-03	0.00E+00	2.21E-03	3.47E-03	0.00E+00	3.70E-04	5.92E-04	0.00E+00	1.62E-04	2.37E-04	0.00E+00
308	441087.4	3768302	1.92E-03	2.34E-03	0.00E+00	2.16E-03	3.40E-03	0.00E+00	3.62E-04	5.79E-04	0.00E+00	1.59E-04	2.32E-04	0.00E+00
309	441091.2	3768293	1.88E-03	2.29E-03	0.00E+00	2.11E-03	3.32E-03	0.00E+00	3.55E-04	5.67E-04	0.00E+00	1.55E-04	2.27E-04	0.00E+00
310	441098.7	3768275	1.79E-03	2.18E-03	0.00E+00	2.02E-03	3.17E-03	0.00E+00	3.38E-04	5.41E-04	0.00E+00	1.48E-04	2.17E-04	0.00E+00
311	441102.5	3768266	1.75E-03	2.13E-03	0.00E+00	1.97E-03	3.10E-03	0.00E+00	3.30E-04	5.28E-04	0.00E+00	1.44E-04	2.11E-04	0.00E+00
312	441106.2	3768257	1.71E-03	2.08E-03	0.00E+00	1.92E-03	3.02E-03	0.00E+00	3.23E-04	5.15E-04	0.00E+00	1.41E-04	2.06E-04	0.00E+00
313	441110	3768248	1.66E-03	2.03E-03	0.00E+00	1.87E-03	2.95E-03	0.00E+00	3.14E-04	5.03E-04	0.00E+00	1.38E-04	2.01E-04	0.00E+00
314	441122.8	3768236	1.60E-03	1.96E-03	0.00E+00	1.81E-03	2.84E-03	0.00E+00	3.03E-04	4.85E-04	0.00E+00	1.33E-04	1.94E-04	0.00E+00
315	441131.8	3768232	1.59E-03	1.94E-03	0.00E+00	1.80E-03	2.83E-03	0.00E+00	3.01E-04	4.82E-04	0.00E+00	1.32E-04	1.93E-04	0.00E+00
316	441140.8	3768228	1.58E-03	1.93E-03	0.00E+00	1.78E-03	2.80E-03	0.00E+00	2.99E-04	4.78E-04	0.00E+00	1.31E-04	1.92E-04	0.00E+00
317	441149.8	3768225	1.57E-03	1.91E-03	0.00E+00	1.77E-03	2.78E-03	0.00E+00	2.96E-04	4.74E-04	0.00E+00	1.30E-04	1.90E-04	0.00E+00
318	441158.8	3768221	1.56E-03	1.90E-03	0.00E+00	1.75E-03	2.76E-03	0.00E+00	2.94E-04	4.70E-04	0.00E+00	1.29E-04	1.88E-04	0.00E+00
319	441167.8	3768217	1.54E-03	1.88E-03	0.00E+00	1.74E-03	2.73E-03	0.00E+00	2.91E-04	4.66E-04	0.00E+00	1.27E-04	1.87E-04	0.00E+00
320	441176.8	3768214	1.53E-03	1.86E-03	0.00E+00	1.72E-03	2.70E-03	0.00E+00	2.88E-04	4.61E-04	0.00E+00	1.26E-04	1.85E-04	0.00E+00
321	441185.8	3768210	1.51E-03	1.84E-03	0.00E+00	1.70E-03	2.67E-03	0.00E+00	2.85E-04	4.55E-04	0.00E+00	1.25E-04	1.82E-04	0.00E+00
322	441194.8	3768206	1.49E-03	1.81E-03	0.00E+00	1.67E-03	2.63E-03	0.00E+00	2.81E-04	4.49E-04	0.00E+00	1.23E-04	1.80E-04	0.00E+00
323	441203.8	3768203	1.46E-03	1.78E-03	0.00E+00	1.65E-03	2.59E-03	0.00E+00	2.77E-04	4.42E-04	0.00E+00	1.21E-04	1.77E-04	0.00E+00
324	441212.8	3768199	1.44E-03	1.75E-03	0.00E+00	1.62E-03	2.55E-03	0.00E+00	2.72E-04	4.35E-04	0.00E+00	1.19E-04	1.74E-04	0.00E+00
325	441221.8	3768195	1.41E-03	1.72E-03	0.00E+00	1.59E-03	2.50E-03	0.00E+00	2.67E-04	4.27E-04	0.00E+00	1.17E-04	1.71E-04	0.00E+00
326	441257.8	3768181	1.29E-03	1.57E-03	0.00E+00	1.46E-03	2.29E-03	0.00E+00	2.44E-04	3.90E-04	0.00E+00	1.07E-04	1.56E-04	0.00E+00
327	441266.8	3768177	0.001256	0.001531	0.00E+00	1.42E-03	2.23E-03	0.00E+00	2.37E-04	3.79E-04	0.00E+00	1.04E-04	1.52E-04	0.00E+00
328	441275.8	3768173	0.00122	0.001487	0.00E+00	1.37E-03	2.16E-03	0.00E+00	2.31E-04	3.68E-04	0.00E+00	1.01E-04	1.48E-04	0.00E+00
329	441284.8	3768169	0.001183	0.001442	0.00E+00	1.33E-03	2.10E-03	0.00E+00	2.24E-04	3.57E-04	0.00E+00	9.78E-05	1.43E-04	0.00E+00
330	441293.8	3768166	0.001146	0.001396	0.00E+00	1.29E-03	2.03E-03	0.00E+00	2.17E-04	3.46E-04	0.00E+00	9.47E-05	1.39E-04	0.00E+00
331	441302.8	3768162	0.001109	0.001352	0.00E+00	1.25E-03	1.96E-03	0.00E+00	2.10E-04	3.35E-04	0.00E+00	9.17E-05	1.34E-04	0.00E+00
332	441311.8	3768158	0.001075	0.00131	0.00E+00	1.21E-03	1.90E-03	0.00E+00	2.03E-04	3.25E-04	0.00E+00	8.89E-05	1.30E-04	0.00E+00
333	441320.8	3768155	0.001042	0.00127	0.00E+00	1.17E-03	1.85E-03	0.00E+00	1.97E-04	3.15E-04	0.00E+00	8.61E-05	1.26E-04	0.00E+00
334	441329.8	3768151	0.00101	0.001232	0.00E+00	1.14E-03	1.79E-03	0.00E+00	1.91E-04	3.05E-04	0.00E+00	8.35E-05	1.22E-04	0.00E+00
335	441338.7	3768147	0.000985	0.001201	0.00E+00	1.11E-03	1.75E-03	0.00E+00	1.86E-04	2.98E-04	0.00E+00	8.14E-05	1.19E-04	0.00E+00
336	441347.7	3768144	0.00096	0.00117	0.00E+00	1.08E-03	1.70E-03	0.00E+00	1.81E-04	2.90E-04	0.00E+00	7.94E-05	1.16E-04	0.00E+00
337	441356.7	3768140	0.000935	0.001139	0.00E+00	1.05E-03	1.66E-03	0.00E+00	1.77E-04	2.82E-04	0.00E+00	7.73E-05	1.13E-04	0.00E+00
338	441365.7	3768136	0.000908	0.001107	0.00E+00	1.02E-03	1.61E-03	0.00E+00	1.72E-04	2.74E-04	0.00E+00	7.51E-05	1.10E-04	0.00E+00
339	441374.7	3768133	0.000881	0.001074	0.00E+00	9.93E-04	1.56E-03	0.00E+00	1.67E-04	2.66E-04	0.00E+00	7.28E-05	1.07E-04	0.00E+00
340	441383.7	3768129	0.000854	0.001041	0.00E+00	9.63E-04	1.51E-03	0.00E+00	1.61E-04	2.58E-04	0.00E+00	7.06E-05	1.03E-04	0.00E+00
341	441392.7	3768125	0.000828	0.00101	0.00E+00	9.34E-04	1.47E-03	0.00E+00	1.57E-04	2.50E-04	0.00E+00	6.85E-05	1.00E-04	0.00E+00
342	440998.6	3768418	0.001967	0.002398	0.00E+00	2.22E-03	3.49E-03	0.00E+00	3.72E-04	5.94E-04	0.00E+00	1.63E-04	2.38E-04	0.00E+00
343	441002.4	3768409	0.001963	0.002393	0.00E+00	2.21E-03	3.48E-03	0.00E+00	3.71E-04	5.93E-04	0.00E+00	1.62E-04	2.38E-04	0.00E+00
344	441006.2	3768400	0.001956	0.002385	0.00E+00	2.21E-03	3.47E-03	0.00E+00	3.70E-04	5.91E-04	0.00E+00	1.62E-04	2.37E-04	0.00E+00
345	441010	3768391	0.001948	0.002375	0.00E+00	2.20E-03	3.45E-03	0.00E+00	3.68E-04	5.89E-04	0.00E+00	1.61E-04	2.36E-04	0.00E+00
346	441013.7	3768382	0.001943	0.002369	0.00E+00	2.19E-03	3.44E-03	0.00E+00	3.67E-04	5.87E-04	0.00E+00	1.61E-04	2.35E-04	0.00E+00
347	441017.5	3768373	0.001938	0.002362	0.00E+00	2.18E-03	3.43E-03	0.00E+00	3.66E-04	5.85E-04	0.00E+00	1.60E-04	2.34E-04	0.00E+00
348	441036.4	3768328	0.001874	0.002284	0.00E+00	2.11E-03	3.32E-03	0.00E+00	3.54E-04	5.66E-04	0.00E+00	1.55E-04	2.27E-04	0.00E+00
349	441040.2	3768319	0.001852	0.002258	0.00E+00	2.09E-03	3.28E-03	0.00E+00	3.50E-04	5.60E-04	0.00E+00	1.53E-04	2.24E-04	0.00E+00
350	441044	3768310	0.001828	0.002229	0.00E+00	2.06E-03	3.24E-03	0.00E+00	3.46E-04	5.52E-04	0.00E+00	1.51E-04	2.21E-04	0.00E+00
351	441047.8	3768301	0.001803	0.002198	0.00E+00	2.03E-03	3.20E-03	0.00E+00	3.41E-04	5.45E-04	0.00E+00	1.49E-04	2.18E-04	0.00E+00
352	441051.6	3768292	0.001776	0.002165	0.00E+00	2.00E-03	3.15E-03	0.00E+00	3.36E-04	5.37E-04	0.00E+00	1.47E-04	2.15E-04	0.00E+00
353	441059.1	3768274	0.001719	0.002095	0.00E+00	1.94E-03	3.05E-03	0.00E+00	3.25E-04	5.19E-04	0.00E+00	1.42E-04	2.08E-04	0.00E+00
354	441062.9	3768265	0.001687	0.002056	0.00E+00	1.90E-03	2.99E-03	0.00E+00	3.19E-04	5.10E-04	0.00E+00	1.39E-04	2.04E-04	0.00E+00
355	441066.7	3768256	0.001654	0.002017	0.00E+00	1.86E-03	2.93E-03	0.00E+00	3.13E-04	5.00E-04	0.00E+00	1.37E-04	2.00E-04	0.00E+00
356	441070.5	3768247	0.001622	0.001977	0.00E+00	1.83E-03	2.87E-03	0.00E+00	3.07E-04	4.90E-04	0.00E+00	1.34E-04	1.96E-04	0.00E+00
357	441074.3	3768238	0.001589	0.001937	0.00E+00	1.79E-03	2.82E-03	0.00E+00	3.00E-04	4.80E-04	0.00E+00	1.31E-04	1.92E-04	0.00E+00
358	441078.1	3768229	0.001553	0.001893	0.00E+00	1.75E-03	2.75E-03	0.00E+00	2.94E-04	4.69E-04	0.00E+00	1.28E-04	1.88E-04	0.00E+00
359	441081.8	3768220	0.001517	0.001849	0.00E+00	1.71E-03	2.69E-03	0.00E+00	2.87E-04	4.58E-04	0.00E+00	1.25E-04	1.84E-04	0.00E+00
360	441094.7	3768207	0.001469	0.001791	0.00E+00	1.66E-03	2.60E-03	0.00E+00	2.78E-04	4.44E-04	0.00E+00	1.21E-04	1.78E-04	0.00E+00
361	441103.7	3768204	0.001454	0.001772	0.00E+00	1.64E-03	2.58E-03	0.00E+00	2.75E-04	4.39E-04	0.00E+00	1.20E-04	1.76E-04	0.00E+00

362	441112.7	3768200	0.001436	0.001751	0.00E+00	1.62E-03	2.55E-03	0.00E+00	2.72E-04	4.34E-04	0.00E+00	1.19E-04	1.74E-04	0.00E+00
363	441121.8	3768196	0.001419	0.00173	0.00E+00	1.60E-03	2.51E-03	0.00E+00	2.68E-04	4.29E-04	0.00E+00	1.17E-04	1.72E-04	0.00E+00
364	441130.8	3768193	0.001407	0.001715	0.00E+00	1.59E-03	2.49E-03	0.00E+00	2.66E-04	4.25E-04	0.00E+00	1.16E-04	1.70E-04	0.00E+00
365	441139.8	3768189	0.001396	0.001702	0.00E+00	1.57E-03	2.47E-03	0.00E+00	2.64E-04	4.22E-04	0.00E+00	1.15E-04	1.69E-04	0.00E+00
366	441148.9	3768185	0.001386	0.001689	0.00E+00	1.56E-03	2.46E-03	0.00E+00	2.62E-04	4.19E-04	0.00E+00	1.15E-04	1.68E-04	0.00E+00
367	441157.9	3768181	0.001374	0.001675	0.00E+00	1.55E-03	2.44E-03	0.00E+00	2.60E-04	4.15E-04	0.00E+00	1.14E-04	1.66E-04	0.00E+00
368	441166.9	3768178	0.001361	0.001659	0.00E+00	1.53E-03	2.41E-03	0.00E+00	2.57E-04	4.11E-04	0.00E+00	1.13E-04	1.65E-04	0.00E+00
369	441176	3768174	0.001346	0.001641	0.00E+00	1.52E-03	2.39E-03	0.00E+00	2.54E-04	4.07E-04	0.00E+00	1.11E-04	1.63E-04	0.00E+00
370	441185	3768170	0.001328	0.00162	0.00E+00	1.50E-03	2.35E-03	0.00E+00	2.51E-04	4.01E-04	0.00E+00	1.10E-04	1.61E-04	0.00E+00
371	441194	3768167	0.001308	0.001595	0.00E+00	1.47E-03	2.32E-03	0.00E+00	2.47E-04	3.95E-04	0.00E+00	1.08E-04	1.58E-04	0.00E+00
372	441203.1	3768163	0.001288	0.00157	0.00E+00	1.45E-03	2.28E-03	0.00E+00	2.43E-04	3.89E-04	0.00E+00	1.06E-04	1.56E-04	0.00E+00
373	441212.1	3768159	0.001265	0.001543	0.00E+00	1.43E-03	2.24E-03	0.00E+00	2.39E-04	3.82E-04	0.00E+00	1.05E-04	1.53E-04	0.00E+00
374	441221.1	3768156	0.001238	0.00151	0.00E+00	1.40E-03	2.19E-03	0.00E+00	2.34E-04	3.74E-04	0.00E+00	1.02E-04	1.50E-04	0.00E+00
375	441257.3	3768141	0.001115	0.00136	0.00E+00	1.26E-03	1.98E-03	0.00E+00	2.11E-04	3.37E-04	0.00E+00	9.22E-05	1.35E-04	0.00E+00
376	441266.3	3768137	0.001084	0.001321	0.00E+00	1.22E-03	1.92E-03	0.00E+00	2.05E-04	3.27E-04	0.00E+00	8.96E-05	1.31E-04	0.00E+00
377	441275.4	3768133	0.001052	0.001283	0.00E+00	1.19E-03	1.86E-03	0.00E+00	1.99E-04	3.18E-04	0.00E+00	8.70E-05	1.27E-04	0.00E+00
378	441284.4	3768130	0.001022	0.001246	0.00E+00	1.15E-03	1.81E-03	0.00E+00	1.93E-04	3.09E-04	0.00E+00	8.45E-05	1.24E-04	0.00E+00
379	441293.4	3768126	0.000992	0.001209	0.00E+00	1.12E-03	1.76E-03	0.00E+00	1.87E-04	3.00E-04	0.00E+00	8.20E-05	1.20E-04	0.00E+00
380	441302.5	3768122	0.000964	0.001175	0.00E+00	1.09E-03	1.71E-03	0.00E+00	1.82E-04	2.91E-04	0.00E+00	7.97E-05	1.17E-04	0.00E+00
381	441311.5	3768119	0.000938	0.001143	0.00E+00	1.06E-03	1.66E-03	0.00E+00	1.77E-04	2.83E-04	0.00E+00	7.75E-05	1.13E-04	0.00E+00
382	441320.5	3768115	0.000913	0.001113	0.00E+00	1.03E-03	1.62E-03	0.00E+00	1.73E-04	2.76E-04	0.00E+00	7.55E-05	1.10E-04	0.00E+00
383	441329.6	3768111	0.000889	0.001084	0.00E+00	1.00E-03	1.58E-03	0.00E+00	1.68E-04	2.69E-04	0.00E+00	7.35E-05	1.08E-04	0.00E+00
384	441338.6	3768107	0.000866	0.001056	0.00E+00	9.76E-04	1.53E-03	0.00E+00	1.64E-04	2.62E-04	0.00E+00	7.16E-05	1.05E-04	0.00E+00
385	441347.6	3768104	0.000844	0.001028	0.00E+00	9.51E-04	1.49E-03	0.00E+00	1.59E-04	2.55E-04	0.00E+00	6.97E-05	1.02E-04	0.00E+00
386	441356.7	3768100	0.000821	0.001001	0.00E+00	9.25E-04	1.45E-03	0.00E+00	1.55E-04	2.48E-04	0.00E+00	6.79E-05	9.94E-05	0.00E+00
387	441365.7	3768096	0.000799	0.000974	0.00E+00	9.01E-04	1.42E-03	0.00E+00	1.51E-04	2.41E-04	0.00E+00	6.61E-05	9.67E-05	0.00E+00
388	441374.7	3768093	0.000779	0.000949	0.00E+00	8.78E-04	1.38E-03	0.00E+00	1.47E-04	2.35E-04	0.00E+00	6.44E-05	9.42E-05	0.00E+00
389	441383.8	3768089	0.000759	0.000926	0.00E+00	8.56E-04	1.35E-03	0.00E+00	1.44E-04	2.29E-04	0.00E+00	6.28E-05	9.19E-05	0.00E+00
390	441392.8	3768085	0.000741	0.000903	0.00E+00	8.35E-04	1.31E-03	0.00E+00	1.40E-04	2.24E-04	0.00E+00	6.13E-05	8.97E-05	0.00E+00
391	440958.8	3768417	0.001722	0.0021	0.00E+00	1.94E-03	3.05E-03	0.00E+00	3.26E-04	5.20E-04	0.00E+00	1.42E-04	2.08E-04	0.00E+00
392	440962.6	3768408	0.001727	0.002105	0.00E+00	1.95E-03	3.06E-03	0.00E+00	3.26E-04	5.22E-04	0.00E+00	1.43E-04	2.09E-04	0.00E+00
393	440966.4	3768399	0.001727	0.002106	0.00E+00	1.95E-03	3.06E-03	0.00E+00	3.27E-04	5.22E-04	0.00E+00	1.43E-04	2.09E-04	0.00E+00
394	440970.2	3768390	0.001725	0.002103	0.00E+00	1.94E-03	3.06E-03	0.00E+00	3.26E-04	5.21E-04	0.00E+00	1.43E-04	2.09E-04	0.00E+00
395	440974	3768381	0.001723	0.0021	0.00E+00	1.94E-03	3.05E-03	0.00E+00	3.26E-04	5.21E-04	0.00E+00	1.42E-04	2.09E-04	0.00E+00
396	440977.7	3768372	0.001719	0.002096	0.00E+00	1.94E-03	3.05E-03	0.00E+00	3.25E-04	5.19E-04	0.00E+00	1.42E-04	2.08E-04	0.00E+00
397	440981.5	3768363	0.001714	0.002089	0.00E+00	1.93E-03	3.04E-03	0.00E+00	3.24E-04	5.18E-04	0.00E+00	1.42E-04	2.07E-04	0.00E+00
398	440985.3	3768354	0.001709	0.002084	0.00E+00	1.93E-03	3.03E-03	0.00E+00	3.23E-04	5.16E-04	0.00E+00	1.41E-04	2.07E-04	0.00E+00
399	440989.1	3768345	0.001704	0.002077	0.00E+00	1.92E-03	3.02E-03	0.00E+00	3.22E-04	5.15E-04	0.00E+00	1.41E-04	2.06E-04	0.00E+00
400	440992.9	3768336	0.001698	0.00207	0.00E+00	1.91E-03	3.01E-03	0.00E+00	3.21E-04	5.13E-04	0.00E+00	1.40E-04	2.05E-04	0.00E+00
401	440996.7	3768327	0.00169	0.00206	0.00E+00	1.90E-03	2.99E-03	0.00E+00	3.19E-04	5.11E-04	0.00E+00	1.40E-04	2.05E-04	0.00E+00
402	441000.5	3768318	0.00168	0.002048	0.00E+00	1.89E-03	2.98E-03	0.00E+00	3.18E-04	5.08E-04	0.00E+00	1.39E-04	2.03E-04	0.00E+00
403	441004.3	3768309	0.001669	0.002034	0.00E+00	1.88E-03	2.96E-03	0.00E+00	3.15E-04	5.04E-04	0.00E+00	1.38E-04	2.02E-04	0.00E+00
404	441008.1	3768300	0.001655	0.002018	0.00E+00	1.87E-03	2.93E-03	0.00E+00	3.13E-04	5.00E-04	0.00E+00	1.37E-04	2.00E-04	0.00E+00
405	441015.7	3768282	0.001621	0.001976	0.00E+00	1.83E-03	2.87E-03	0.00E+00	3.06E-04	4.90E-04	0.00E+00	1.34E-04	1.96E-04	0.00E+00
406	441019.5	3768273	0.001602	0.001953	0.00E+00	1.81E-03	2.84E-03	0.00E+00	3.03E-04	4.84E-04	0.00E+00	1.32E-04	1.94E-04	0.00E+00
407	441023.3	3768264	0.001581	0.001927	0.00E+00	1.78E-03	2.80E-03	0.00E+00	2.99E-04	4.78E-04	0.00E+00	1.31E-04	1.91E-04	0.00E+00
408	441027.1	3768255	0.001559	0.0019	0.00E+00	1.76E-03	2.76E-03	0.00E+00	2.95E-04	4.71E-04	0.00E+00	1.29E-04	1.89E-04	0.00E+00
409	441030.9	3768246	0.001535	0.001871	0.00E+00	1.73E-03	2.72E-03	0.00E+00	2.90E-04	4.64E-04	0.00E+00	1.27E-04	1.86E-04	0.00E+00
410	441034.7	3768237	0.001509	0.00184	0.00E+00	1.70E-03	2.67E-03	0.00E+00	2.85E-04	4.56E-04	0.00E+00	1.25E-04	1.83E-04	0.00E+00
411	441038.5	3768228	0.001482	0.001806	0.00E+00	1.67E-03	2.63E-03	0.00E+00	2.80E-04	4.48E-04	0.00E+00	1.23E-04	1.79E-04	0.00E+00
412	441042.3	3768219	0.001454	0.001773	0.00E+00	1.64E-03	2.58E-03	0.00E+00	2.75E-04	4.39E-04	0.00E+00	1.20E-04	1.76E-04	0.00E+00
413	441046.1	3768210	0.001426	0.001739	0.00E+00	1.61E-03	2.53E-03	0.00E+00	2.70E-04	4.31E-04	0.00E+00	1.18E-04	1.73E-04	0.00E+00
414	441049.9	3768201	0.001395	0.001701	0.00E+00	1.57E-03	2.47E-03	0.00E+00	2.64E-04	4.22E-04	0.00E+00	1.15E-04	1.69E-04	0.00E+00
415	441053.7	3768192	0.001363	0.001662	0.00E+00	1.54E-03	2.42E-03	0.00E+00	2.58E-04	4.12E-04	0.00E+00	1.13E-04	1.65E-04	0.00E+00
416	441066.5	3768179	0.00132	0.001609	0.00E+00	1.49E-03	2.34E-03	0.00E+00	2.50E-04	3.99E-04	0.00E+00	1.09E-04	1.60E-04	0.00E+00
417	441075.6	3768175	0.001305	0.001591	0.00E+00	1.47E-03	2.31E-03	0.00E+00	2.47E-04	3.94E-04	0.00E+00	1.08E-04	1.58E-04	0.00E+00
418	441084.7	3768172	0.001288	0.00157	0.00E+00	1.45E-03	2.28E-03	0.00E+00	2.43E-04	3.89E-04	0.00E+00	1.06E-04	1.56E-04	0.00E+00
419	441093.7	3768168	0.00127	0.001549	0.00E+00	1.43E-03	2.25E-03	0.00E+00	2.40E-04	3.84E-04	0.00E+00	1.05E-04	1.54E-04	0.00E+00
420	441102.8	3768164	0.001256	0.001531	0.00E+00	1.42E-03	2.23E-03	0.00E+00	2.37E-04	3.79E-04	0.00E+00	1.04E-04	1.52E-04	0.00E+00
421	441111.9	3768160	0.00124	0.001512	0.00E+00	1.40E-03	2.20E-03	0.00E+00	2.34E-04	3.75E-04	0.00E+00	1.03E-04	1.50E-04	0.00E+00
422	441120.9	3768157	0.001226	0.001494	0.00E+00	1.38E-03	2.17E-03	0.00E+00	2.32E-04	3.70E-04	0.00E+00	1.01E-04	1.48E-04	0.00E+00
423	441130	3768153	0.001222	0.00149	0.00E+00	1.38E-03	2.17E-03	0.00E+00	2.31E-04	3.69E-04	0.00E+00	1.01E-04	1.48E-04	0.00E+00
424	441139.1	3768149	0.001218	0.001485	0.00E+00	1.37E-03	2.16E-03	0.00E+00	2.30E-04	3.68E-04	0.00E+00	1.01E-04	1.47E-04	0.00E+00
425	441148.1	3768146	0.001214	0.00148	0.00E+00	1.37E-03	2.15E-03	0.00E+00	2.30E-04	3.67E-04	0.00E+00	1.00E-04	1.47E-04	0.00E+00
426	441157.2	3768142	0.001206	0.00147	0.00E+00	1.36E-03	2.14E-03	0.00E+00	2.28E-04	3.64E-04	0.00E+00	9.97E-05	1.46E-04	0.00E+00
427	441166.3	3768138	0.001195	0.001456	0.00E+00	1.35E-03	2.12E-03	0.00E+00	2.26E-04	3.61E-04	0.00E+00	9.88E-05	1.45E-04	0.00E+00
428	441175.3	3768134	0.001182	0.00144	0.00E+00	1.33E-03	2.09E-03	0.00E+00	2.23E-04	3.57E-04	0.00E+00	9.77E-05	1.43E-04	0.00E+00
429	441184.4	3768131	0.001165	0.00142	0.00E+00	1.31E-03	2.06E-03	0.00E+00	2.20E-04	3.52E-04	0.00E+00	9.63E-05	1.41E-04	0.00E+00
430	441193.4	3768127	0.001146	0.001397	0.00E+00	1.29E-03	2.03E-03	0.00E+00	2.17E-04	3.46E-04	0.00E+00	9.48E-05	1.39E-04	0.00E+00
431	441202.5	3768123	0.001127	0.001373	0.00E+00	1.27E-03	2.00E-03	0.00E+00	2.13E-04	3.40E-04	0.00E+00	9.31E-05	1.36E-04	0.00E+00
432	441211.6	3768120	0.001105	0.001348	0.00E+00	1.25E-03	1.96E-03	0.00E+00	2.09E-04	3.34E-04	0.00E+00	9.14E-05	1.34E-04	0.00E+00
433	441220.6	3768116	0.001079	0.001315	0.00E+00	1.22E-03	1.91E-03	0.00E+00	2.04E-04	3.26E-04	0.00E+00	8.92E-05	1.31E-04	0.00E+00
434	441247.8	3768105	0.001001	0.00122	0.00E+00	1.13E-03	1.77E-03	0.00E+00	1.89E-04	3.02E-04	0.00E+00	8.28E-05	1.21E-04	0.00E+00
435	441256.9	3768101	0.000977	0.001191	0.00E+00	1.10E-03	1.73E-03	0.00E+00	1.85E-04	2.95E-04	0.00E+00	8.08E-05	1.18E-04	0.00E+00
436	441266	3768097	0.000952	0.001161	0.00E+00	1.07E-03	1.69E-03	0.00E+00	1.80E-04	2.88E-04	0.00E+00	7.87E-05	1.15E-04	0.00E+00
437	441275	3768094	0.000927	0.001131	0.00E+00	1.05E-03	1.64E-03	0.00E+00	1.75E-04	2.80E-04	0.00E+00	7.67E-05	1.12E-04	0.00E+00
438	441284.1	3768090	0.000902	0.001099	0.00E+00	1.02E-03	1.60E-03	0.00E+00	1.70E-04	2.72E-04	0.00E+00	7.45E-05	1.09E-04	0.00E+00
439	441293.2	3768086	0.000876	0.001067	0.00E+00	9.87E-04	1.55E-03	0.00E+00	1.66E-04	2.65E-04	0.00E+00	7.24E-05	1.06E-04	0.00E+00
440	441302.2	3768082	0.000851	0.001037	0.00E+00	9.59E-04	1.51E-03	0.00E+00	1.61E-04	2.57E-04	0.00E+00	7.04E-05	1.03E-04	0.00E+00
441	441311.3	3768079	0.000831	0.001013	0.00E+00	9.36E-04	1.47E-03	0.00E+00	1.57E-04	2.51E-04	0.00E+00	6.87E-05	1.01E-04	0.00E+00
442	441320.3	3768075	0.000811	0.000988	0.00E+00	9.14E-04	1.44E-03	0.00E+00	1.53E-04	2.45E-04	0.00E+00	6.70E-05	9.81E-05	0.00E+00
443	441329.4	3768071	0.000791	0.000965	0.00E+00	8.92E-04	1.40E-03	0.00E+00	1.50E-04	2.39E-04	0.00E+00	6.54E-05	9.58E-05	0.00E+00
444	441338.5	3768068	0.000773	0.000942	0.00E+00	8.71E-04	1.37E-03	0.00E+00	1.46E-04	2.34E-04	0.00E+00	6.39E-05	9.35E-05	0.00E+00
445	441347.5	3768064	0.000756	0.000921	0.00E+00	8.52E-04	1.34E-03	0.00E+00	1.43E-04	2.28E-04	0.00E+00	6.25E-05	9.14E-05	0.00E+00
446	441356.6	3768060	0.000739	0.000901	0.00E+00	8.33E-04	1.31E-03	0.00E+00	1.40E-04	2.23E-04	0.00E+00	6.11E-05	8.95E-05	0.00E+00
447	440922.7	3768408	0.001507	0.001837	0.00E+00	1.70E-03	2.67E-03	0.00E+00	2.85E-04	4.55E-04	0.00E+00	1.25E-04	1.82E-04	0.00E+00
448	440926.5	3768399	0.001515	0.001847	0.00E+00	1.71E-03	2.68E-03	0.00E+00	2.86E-04	4.58E-04	0.00E+00	1.25E-04	1.83E-04	0.00E+00
449	440930.3	3768390	0.001521	0.001854	0.00E+00	1.71E-03	2.70E-03	0.00E+00	2.88E-04	4.59E-04	0.00E+00	1.26E-04	1.84E-04	0.00E+00
450	440934.1	3768381	0.001525	0.001859	0.00E+00	1.72E-03	2.70E-03	0.00E+00	2.88E-04	4.61E-04	0.00E+00	1.26E-04	1.85E-04	0.00E+00
451	440937.9	3768372	0.001528	0.001862	0.00E+00	1.72E-03	2.71E-03	0.00E+00	2.89E-04	4.62E-04	0.00E+00	1.26E-04	1.85E-04	0.00E+00
452	440941.8	3768363	0.001528	0.001863	0.00E+00	1.72E-03	2.71E-03	0.00E+00	2.89E-04	4.62E-04	0.00E+00	1.26E-04	1.85E-04	0.00E+00

453	440945.6	3768353	0.001527	0.001862	0.00E+00	1.72E-03	2.71E-03	0.00E+00	2.89E-04	4.61E-04	0.00E+00	1.26E-04	1.85E-04	0.00E+00
454	440949.4	3768344	0.001526	0.00186	0.00E+00	1.72E-03	2.70E-03	0.00E+00	2.88E-04	4.61E-04	0.00E+00	1.26E-04	1.85E-04	0.00E+00
455	440953.2	3768335	0.001522	0.001856	0.00E+00	1.72E-03	2.70E-03	0.00E+00	2.88E-04	4.60E-04	0.00E+00	1.26E-04	1.84E-04	0.00E+00
456	440957	3768326	0.001517	0.00185	0.00E+00	1.71E-03	2.69E-03	0.00E+00	2.87E-04	4.58E-04	0.00E+00	1.25E-04	1.84E-04	0.00E+00
457	440960.8	3768317	0.001511	0.001842	0.00E+00	1.70E-03	2.68E-03	0.00E+00	2.86E-04	4.56E-04	0.00E+00	1.25E-04	1.83E-04	0.00E+00
458	440964.6	3768308	0.001502	0.001831	0.00E+00	1.69E-03	2.66E-03	0.00E+00	2.84E-04	4.54E-04	0.00E+00	1.24E-04	1.82E-04	0.00E+00
459	440968.4	3768299	0.001492	0.001819	0.00E+00	1.68E-03	2.64E-03	0.00E+00	2.82E-04	4.51E-04	0.00E+00	1.23E-04	1.81E-04	0.00E+00
460	440976	3768281	0.001473	0.001795	0.00E+00	1.66E-03	2.61E-03	0.00E+00	2.78E-04	4.45E-04	0.00E+00	1.22E-04	1.78E-04	0.00E+00
461	440979.8	3768272	0.001461	0.001781	0.00E+00	1.65E-03	2.59E-03	0.00E+00	2.76E-04	4.41E-04	0.00E+00	1.21E-04	1.77E-04	0.00E+00
462	440983.6	3768263	0.001447	0.001764	0.00E+00	1.63E-03	2.56E-03	0.00E+00	2.74E-04	4.37E-04	0.00E+00	1.20E-04	1.75E-04	0.00E+00
463	440987.4	3768254	0.001431	0.001744	0.00E+00	1.61E-03	2.54E-03	0.00E+00	2.70E-04	4.32E-04	0.00E+00	1.18E-04	1.73E-04	0.00E+00
464	440991.3	3768245	0.001414	0.001723	0.00E+00	1.59E-03	2.51E-03	0.00E+00	2.67E-04	4.27E-04	0.00E+00	1.17E-04	1.71E-04	0.00E+00
465	440995.1	3768236	0.001395	0.001701	0.00E+00	1.57E-03	2.47E-03	0.00E+00	2.64E-04	4.22E-04	0.00E+00	1.15E-04	1.69E-04	0.00E+00
466	440998.9	3768227	0.001376	0.001678	0.00E+00	1.55E-03	2.44E-03	0.00E+00	2.60E-04	4.16E-04	0.00E+00	1.14E-04	1.67E-04	0.00E+00
467	441002.7	3768218	0.001357	0.001654	0.00E+00	1.53E-03	2.40E-03	0.00E+00	2.57E-04	4.10E-04	0.00E+00	1.12E-04	1.64E-04	0.00E+00
468	441006.5	3768209	0.001337	0.00163	0.00E+00	1.51E-03	2.37E-03	0.00E+00	2.53E-04	4.04E-04	0.00E+00	1.11E-04	1.62E-04	0.00E+00
469	441010.3	3768200	0.001315	0.001603	0.00E+00	1.48E-03	2.33E-03	0.00E+00	2.49E-04	3.97E-04	0.00E+00	1.09E-04	1.59E-04	0.00E+00
470	441014.1	3768190	0.001292	0.001575	0.00E+00	1.46E-03	2.29E-03	0.00E+00	2.44E-04	3.90E-04	0.00E+00	1.07E-04	1.56E-04	0.00E+00
471	441017.9	3768181	0.001268	0.001546	0.00E+00	1.43E-03	2.25E-03	0.00E+00	2.40E-04	3.83E-04	0.00E+00	1.05E-04	1.53E-04	0.00E+00
472	441021.7	3768172	0.001244	0.001516	0.00E+00	1.40E-03	2.20E-03	0.00E+00	2.35E-04	3.76E-04	0.00E+00	1.03E-04	1.51E-04	0.00E+00
473	441025.5	3768163	0.001218	0.001485	0.00E+00	1.37E-03	2.16E-03	0.00E+00	2.30E-04	3.68E-04	0.00E+00	1.01E-04	1.47E-04	0.00E+00
474	441038.4	3768151	0.001185	0.001444	0.00E+00	1.34E-03	2.10E-03	0.00E+00	2.24E-04	3.58E-04	0.00E+00	9.80E-05	1.43E-04	0.00E+00
475	441047.5	3768147	0.001179	0.001437	0.00E+00	1.33E-03	2.09E-03	0.00E+00	2.23E-04	3.56E-04	0.00E+00	9.75E-05	1.43E-04	0.00E+00
476	441056.6	3768143	0.001173	0.00143	0.00E+00	1.32E-03	2.08E-03	0.00E+00	2.22E-04	3.54E-04	0.00E+00	9.70E-05	1.42E-04	0.00E+00
477	441065.7	3768139	0.001164	0.001419	0.00E+00	1.31E-03	2.06E-03	0.00E+00	2.20E-04	3.52E-04	0.00E+00	9.62E-05	1.41E-04	0.00E+00
478	441074.8	3768136	0.001153	0.001405	0.00E+00	1.30E-03	2.04E-03	0.00E+00	2.18E-04	3.48E-04	0.00E+00	9.53E-05	1.39E-04	0.00E+00
479	441083.9	3768132	0.001141	0.00139	0.00E+00	1.29E-03	2.02E-03	0.00E+00	2.16E-04	3.45E-04	0.00E+00	9.43E-05	1.38E-04	0.00E+00
480	441093	3768128	0.001129	0.001377	0.00E+00	1.27E-03	2.00E-03	0.00E+00	2.14E-04	3.41E-04	0.00E+00	9.34E-05	1.37E-04	0.00E+00
481	441102.1	3768124	0.001121	0.001367	0.00E+00	1.26E-03	1.99E-03	0.00E+00	2.12E-04	3.39E-04	0.00E+00	9.27E-05	1.36E-04	0.00E+00
482	441111.1	3768121	0.001112	0.001355	0.00E+00	1.25E-03	1.97E-03	0.00E+00	2.10E-04	3.36E-04	0.00E+00	9.19E-05	1.35E-04	0.00E+00
483	441120.2	3768117	0.001101	0.001343	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.33E-04	0.00E+00	9.11E-05	1.33E-04	0.00E+00
484	441129.3	3768113	0.001095	0.001335	0.00E+00	1.23E-03	1.94E-03	0.00E+00	2.07E-04	3.31E-04	0.00E+00	9.05E-05	1.33E-04	0.00E+00
485	441138.4	3768110	0.001087	0.001325	0.00E+00	1.22E-03	1.93E-03	0.00E+00	2.05E-04	3.28E-04	0.00E+00	8.99E-05	1.32E-04	0.00E+00
486	441147.5	3768106	0.001076	0.001312	0.00E+00	1.21E-03	1.91E-03	0.00E+00	2.03E-04	3.25E-04	0.00E+00	8.90E-05	1.30E-04	0.00E+00
487	441156.6	3768102	0.001065	0.001298	0.00E+00	1.20E-03	1.89E-03	0.00E+00	2.01E-04	3.22E-04	0.00E+00	8.80E-05	1.29E-04	0.00E+00
488	441165.7	3768098	0.001052	0.001283	0.00E+00	1.19E-03	1.86E-03	0.00E+00	1.99E-04	3.18E-04	0.00E+00	8.70E-05	1.27E-04	0.00E+00
489	441174.8	3768095	0.001038	0.001266	0.00E+00	1.17E-03	1.84E-03	0.00E+00	1.96E-04	3.14E-04	0.00E+00	8.58E-05	1.26E-04	0.00E+00
490	441183.9	3768091	0.001023	0.001247	0.00E+00	1.15E-03	1.81E-03	0.00E+00	1.93E-04	3.09E-04	0.00E+00	8.46E-05	1.24E-04	0.00E+00
491	441193	3768087	0.001006	0.001226	0.00E+00	1.13E-03	1.78E-03	0.00E+00	1.90E-04	3.04E-04	0.00E+00	8.32E-05	1.22E-04	0.00E+00
492	441202	3768084	0.000988	0.001205	0.00E+00	1.11E-03	1.75E-03	0.00E+00	1.87E-04	2.99E-04	0.00E+00	8.17E-05	1.20E-04	0.00E+00
493	441238.4	3768069	0.000908	0.001107	0.00E+00	1.02E-03	1.61E-03	0.00E+00	1.72E-04	2.74E-04	0.00E+00	7.51E-05	1.10E-04	0.00E+00
494	441247.5	3768065	0.000888	0.001082	0.00E+00	1.00E-03	1.57E-03	0.00E+00	1.68E-04	2.68E-04	0.00E+00	7.34E-05	1.07E-04	0.00E+00
495	441256.6	3768061	0.000868	0.001058	0.00E+00	9.78E-04	1.54E-03	0.00E+00	1.64E-04	2.62E-04	0.00E+00	7.18E-05	1.05E-04	0.00E+00
496	441265.7	3768057	0.000848	0.001033	0.00E+00	9.55E-04	1.50E-03	0.00E+00	1.60E-04	2.56E-04	0.00E+00	7.01E-05	1.03E-04	0.00E+00
497	440879	3768416	0.001297	0.001581	0.00E+00	1.46E-03	2.30E-03	0.00E+00	2.45E-04	3.92E-04	0.00E+00	1.07E-04	1.57E-04	0.00E+00
498	440882.8	3768407	0.001309	0.001596	0.00E+00	1.48E-03	2.32E-03	0.00E+00	2.47E-04	3.95E-04	0.00E+00	1.08E-04	1.58E-04	0.00E+00
499	440886.7	3768398	0.00132	0.001609	0.00E+00	1.49E-03	2.34E-03	0.00E+00	2.49E-04	3.99E-04	0.00E+00	1.09E-04	1.60E-04	0.00E+00
500	440890.5	3768389	0.001329	0.001621	0.00E+00	1.50E-03	2.36E-03	0.00E+00	2.51E-04	4.02E-04	0.00E+00	1.10E-04	1.61E-04	0.00E+00
501	440894.3	3768380	0.001339	0.001632	0.00E+00	1.51E-03	2.37E-03	0.00E+00	2.53E-04	4.04E-04	0.00E+00	1.11E-04	1.62E-04	0.00E+00
502	440898.1	3768371	0.001346	0.001641	0.00E+00	1.52E-03	2.39E-03	0.00E+00	2.55E-04	4.07E-04	0.00E+00	1.11E-04	1.63E-04	0.00E+00
503	440921	3768316	0.001364	0.001663	0.00E+00	1.54E-03	2.42E-03	0.00E+00	2.58E-04	4.12E-04	0.00E+00	1.13E-04	1.65E-04	0.00E+00
504	440924.8	3768307	0.001362	0.001661	0.00E+00	1.54E-03	2.41E-03	0.00E+00	2.58E-04	4.12E-04	0.00E+00	1.13E-04	1.65E-04	0.00E+00
505	440936.3	3768280	0.001348	0.001643	0.00E+00	1.52E-03	2.39E-03	0.00E+00	2.55E-04	4.07E-04	0.00E+00	1.11E-04	1.63E-04	0.00E+00
506	440940.1	3768271	0.001341	0.001635	0.00E+00	1.51E-03	2.38E-03	0.00E+00	2.54E-04	4.05E-04	0.00E+00	1.11E-04	1.62E-04	0.00E+00
507	440943.9	3768262	0.001329	0.00162	0.00E+00	1.50E-03	2.35E-03	0.00E+00	2.51E-04	4.01E-04	0.00E+00	1.10E-04	1.61E-04	0.00E+00
508	440947.7	3768253	0.001315	0.001604	0.00E+00	1.48E-03	2.33E-03	0.00E+00	2.49E-04	3.97E-04	0.00E+00	1.09E-04	1.59E-04	0.00E+00
509	440951.6	3768244	0.001301	0.001586	0.00E+00	1.47E-03	2.31E-03	0.00E+00	2.46E-04	3.93E-04	0.00E+00	1.08E-04	1.57E-04	0.00E+00
510	440955.4	3768235	0.001285	0.001567	0.00E+00	1.45E-03	2.28E-03	0.00E+00	2.43E-04	3.88E-04	0.00E+00	1.06E-04	1.56E-04	0.00E+00
511	440959.2	3768226	0.001268	0.001546	0.00E+00	1.43E-03	2.25E-03	0.00E+00	2.40E-04	3.83E-04	0.00E+00	1.05E-04	1.53E-04	0.00E+00
512	440963	3768217	0.00125	0.001524	0.00E+00	1.41E-03	2.22E-03	0.00E+00	2.36E-04	3.78E-04	0.00E+00	1.03E-04	1.51E-04	0.00E+00
513	440966.8	3768208	0.001233	0.001503	0.00E+00	1.39E-03	2.18E-03	0.00E+00	2.33E-04	3.72E-04	0.00E+00	1.02E-04	1.49E-04	0.00E+00
514	440970.6	3768198	0.001217	0.001483	0.00E+00	1.37E-03	2.16E-03	0.00E+00	2.30E-04	3.68E-04	0.00E+00	1.01E-04	1.47E-04	0.00E+00
515	440974.5	3768189	0.001201	0.001464	0.00E+00	1.35E-03	2.13E-03	0.00E+00	2.27E-04	3.63E-04	0.00E+00	9.93E-05	1.45E-04	0.00E+00
516	440978.3	3768180	0.001184	0.001444	0.00E+00	1.33E-03	2.10E-03	0.00E+00	2.24E-04	3.58E-04	0.00E+00	9.79E-05	1.43E-04	0.00E+00
517	440982.1	3768171	0.001168	0.001424	0.00E+00	1.32E-03	2.07E-03	0.00E+00	2.21E-04	3.53E-04	0.00E+00	9.66E-05	1.41E-04	0.00E+00
518	440985.9	3768162	0.001151	0.001403	0.00E+00	1.30E-03	2.04E-03	0.00E+00	2.18E-04	3.48E-04	0.00E+00	9.52E-05	1.39E-04	0.00E+00
519	440989.7	3768153	0.001133	0.001382	0.00E+00	1.28E-03	2.01E-03	0.00E+00	2.14E-04	3.42E-04	0.00E+00	9.37E-05	1.37E-04	0.00E+00
520	440993.5	3768144	0.001117	0.001362	0.00E+00	1.26E-03	1.98E-03	0.00E+00	2.11E-04	3.37E-04	0.00E+00	9.24E-05	1.35E-04	0.00E+00
521	440997.4	3768135	0.001101	0.001342	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.33E-04	0.00E+00	9.10E-05	1.33E-04	0.00E+00
522	441010.3	3768122	0.001082	0.001319	0.00E+00	1.22E-03	1.92E-03	0.00E+00	2.04E-04	3.27E-04	0.00E+00	8.94E-05	1.31E-04	0.00E+00
523	441019.4	3768118	0.001078	0.001314	0.00E+00	1.21E-03	1.91E-03	0.00E+00	2.04E-04	3.26E-04	0.00E+00	8.91E-05	1.30E-04	0.00E+00
524	441028.5	3768115	0.001072	0.001307	0.00E+00	1.21E-03	1.90E-03	0.00E+00	2.03E-04	3.24E-04	0.00E+00	8.87E-05	1.30E-04	0.00E+00
525	441037.6	3768111	0.001069	0.001303	0.00E+00	1.20E-03	1.89E-03	0.00E+00	2.02E-04	3.23E-04	0.00E+00	8.84E-05	1.29E-04	0.00E+00
526	441046.7	3768107	0.001064	0.001297	0.00E+00	1.20E-03	1.89E-03	0.00E+00	2.01E-04	3.22E-04	0.00E+00	8.80E-05	1.29E-04	0.00E+00
527	441055.9	3768103	0.001058	0.00129	0.00E+00	1.19E-03	1.88E-03	0.00E+00	2.00E-04	3.20E-04	0.00E+00	8.75E-05	1.28E-04	0.00E+00
528	441065	3768100	0.001051	0.001281	0.00E+00	1.18E-03	1.86E-03	0.00E+00	1.99E-04	3.17E-04	0.00E+00	8.69E-05	1.27E-04	0.00E+00
529	441074.1	3768096	0.001043	0.001272	0.00E+00	1.18E-03	1.85E-03	0.00E+00	1.97E-04	3.15E-04	0.00E+00	8.62E-05	1.26E-04	0.00E+00
530	441083.2	3768092	0.001036	0.001263	0.00E+00	1.17E-03	1.84E-03	0.00E+00	1.96E-04	3.13E-04	0.00E+00	8.56E-05	1.25E-04	0.00E+00
531	441092.3	3768089	0.001027	0.001252	0.00E+00	1.16E-03	1.82E-03	0.00E+00	1.94E-04	3.10E-04	0.00E+00	8.49E-05	1.24E-04	0.00E+00
532	441101.4	3768085	0.001016	0.001238	0.00E+00	1.14E-03	1.80E-03	0.00E+00	1.92E-04	3.07E-04	0.00E+00	8.40E-05	1.23E-04	0.00E+00
533	441110.5	3768081	0.001004	0.001224	0.00E+00	1.13E-03	1.78E-03	0.00E+00	1.90E-04	3.03E-04	0.00E+00	8.30E-05	1.21E-04	0.00E+00
534	441119.6	3768077	0.000992	0.001209	0.00E+00	1.12E-03	1.76E-03	0.00E+00	1.87E-04	3.00E-04	0.00E+00	8.20E-05	1.20E-04	0.00E+00
535	441128.8	3768074	0.000981	0.001196	0.00E+00	1.11E-03	1.74E-03	0.00E+00	1.85E-04	2.96E-04	0.00E+00	8.11E-05	1.19E-04	0.00E+00
536	441137.9	3768070	0.00097	0.001182	0.00E+00	1.09E-03	1.72E-03	0.00E+00	1.83E-04	2.93E-04	0.00E+00	8.02E-05	1.17E-04	0.00E+00
537	441147	3768066	0.000958	0.001168	0.00E+00	1.08E-03	1.70E-03	0.00E+00	1.81E-04	2.90E-04	0.00E+00	7.92E-05	1.16E-04	0.00E+00
538	441156.1	3768062	0.000946	0.001153	0.00E+00	1.07E-03	1.68E-03	0.00E+00	1.79E-04	2.86E-04	0.00E+00	7.82E-05	1.14E-04	0.00E+00
539	441165.2	3768059	0.000932	0.001137	0.00E+00	1.05E-03	1.65E-03	0.00E+00	1.76E-04	2.82E-04	0.00E+00	7.71E-05	1.13E-04	0.00E+00
540	440839.1	3768416	0.001132	0.00138	0.00E+00	1.28E-03	2.01E-03	0.00E+00	2.14E-04	3.42E-04	0.00E+00	9.36E-05	1.37E-04	0.00E+00
541	440843	3768407	0.001143	0.001393	0.00E+00	1.29E-03	2.02E-03	0.00E+00	2.16E-04	3.45E-04	0.00E+00	9.45E-05	1.38E-04	0.00E+00
542	440846.8	3768398	0.001153	0.001406	0.00E+00	1.30E-03	2.04E-03	0.00E+00	2.18E-04	3.48E-04	0.00E+00	9.54E-05	1.40E-04	0.00E+00
543	440850.6	3768389	0.001164	0.001419	0.00E+00	1.31E-03	2.06E-03	0.00E+00	2.20E-04	3.52E-04	0.00E+00	9.63E-05	1.41E-04	0.00E+00

544	440854.4	3768379	0.001175	0.001432	0.00E+00	1.32E-03	2.08E-03	0.00E+00	2.22E-04	3.55E-04	0.00E+00	9.71E-05	1.42E-04	0.00E+00
545	440858.3	3768370	0.001184	0.001444	0.00E+00	1.33E-03	2.10E-03	0.00E+00	2.24E-04	3.58E-04	0.00E+00	9.79E-05	1.43E-04	0.00E+00
546	440862.1	3768361	0.001193	0.001454	0.00E+00	1.34E-03	2.11E-03	0.00E+00	2.25E-04	3.60E-04	0.00E+00	9.86E-05	1.44E-04	0.00E+00
547	440865.9	3768352	0.0012	0.001463	0.00E+00	1.35E-03	2.13E-03	0.00E+00	2.27E-04	3.63E-04	0.00E+00	9.93E-05	1.45E-04	0.00E+00
548	440869.7	3768343	0.001207	0.001471	0.00E+00	1.36E-03	2.14E-03	0.00E+00	2.28E-04	3.65E-04	0.00E+00	9.98E-05	1.46E-04	0.00E+00
549	440873.6	3768334	0.001213	0.001478	0.00E+00	1.37E-03	2.15E-03	0.00E+00	2.29E-04	3.66E-04	0.00E+00	1.00E-04	1.47E-04	0.00E+00
550	440877.4	3768325	0.001217	0.001484	0.00E+00	1.37E-03	2.16E-03	0.00E+00	2.30E-04	3.68E-04	0.00E+00	1.01E-04	1.47E-04	0.00E+00
551	440881.2	3768316	0.001221	0.001488	0.00E+00	1.38E-03	2.16E-03	0.00E+00	2.31E-04	3.69E-04	0.00E+00	1.01E-04	1.48E-04	0.00E+00
552	440885	3768307	0.001223	0.001491	0.00E+00	1.38E-03	2.17E-03	0.00E+00	2.31E-04	3.69E-04	0.00E+00	1.01E-04	1.48E-04	0.00E+00
553	440888.9	3768298	0.001224	0.001492	0.00E+00	1.38E-03	2.17E-03	0.00E+00	2.31E-04	3.70E-04	0.00E+00	1.01E-04	1.48E-04	0.00E+00
554	440896.5	3768279	0.00122	0.001487	0.00E+00	1.37E-03	2.16E-03	0.00E+00	2.31E-04	3.68E-04	0.00E+00	1.01E-04	1.48E-04	0.00E+00
555	440900.3	3768270	0.001216	0.001482	0.00E+00	1.37E-03	2.15E-03	0.00E+00	2.30E-04	3.67E-04	0.00E+00	1.01E-04	1.47E-04	0.00E+00
556	440904.2	3768261	0.001211	0.001477	0.00E+00	1.37E-03	2.15E-03	0.00E+00	2.29E-04	3.66E-04	0.00E+00	1.00E-04	1.47E-04	0.00E+00
557	440908	3768252	0.001205	0.001469	0.00E+00	1.36E-03	2.14E-03	0.00E+00	2.28E-04	3.64E-04	0.00E+00	9.97E-05	1.46E-04	0.00E+00
558	440911.8	3768243	0.001198	0.00146	0.00E+00	1.35E-03	2.12E-03	0.00E+00	2.26E-04	3.62E-04	0.00E+00	9.90E-05	1.45E-04	0.00E+00
559	440915.6	3768234	0.001188	0.001448	0.00E+00	1.34E-03	2.10E-03	0.00E+00	2.25E-04	3.59E-04	0.00E+00	9.82E-05	1.44E-04	0.00E+00
560	440919.5	3768225	0.001176	0.001433	0.00E+00	1.33E-03	2.08E-03	0.00E+00	2.22E-04	3.55E-04	0.00E+00	9.72E-05	1.42E-04	0.00E+00
561	440923.3	3768216	0.001162	0.001417	0.00E+00	1.31E-03	2.06E-03	0.00E+00	2.20E-04	3.51E-04	0.00E+00	9.61E-05	1.41E-04	0.00E+00
562	440927.1	3768207	0.001147	0.001398	0.00E+00	1.29E-03	2.03E-03	0.00E+00	2.17E-04	3.46E-04	0.00E+00	9.48E-05	1.39E-04	0.00E+00
563	440930.9	3768198	0.001131	0.001379	0.00E+00	1.28E-03	2.00E-03	0.00E+00	2.14E-04	3.42E-04	0.00E+00	9.35E-05	1.37E-04	0.00E+00
564	440934.8	3768188	0.001116	0.00136	0.00E+00	1.26E-03	1.98E-03	0.00E+00	2.11E-04	3.37E-04	0.00E+00	9.22E-05	1.35E-04	0.00E+00
565	440938.6	3768179	0.0011	0.001341	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.32E-04	0.00E+00	9.10E-05	1.33E-04	0.00E+00
566	440942.4	3768170	0.001089	0.001328	0.00E+00	1.23E-03	1.93E-03	0.00E+00	2.06E-04	3.29E-04	0.00E+00	9.00E-05	1.32E-04	0.00E+00
567	440946.2	3768161	0.001078	0.001314	0.00E+00	1.22E-03	1.91E-03	0.00E+00	2.04E-04	3.26E-04	0.00E+00	8.91E-05	1.30E-04	0.00E+00
568	440950.1	3768152	0.001066	0.0013	0.00E+00	1.20E-03	1.89E-03	0.00E+00	2.02E-04	3.22E-04	0.00E+00	8.82E-05	1.29E-04	0.00E+00
569	440953.9	3768143	0.001058	0.001289	0.00E+00	1.19E-03	1.87E-03	0.00E+00	2.00E-04	3.20E-04	0.00E+00	8.74E-05	1.28E-04	0.00E+00
570	440957.7	3768134	0.001049	0.001278	0.00E+00	1.18E-03	1.86E-03	0.00E+00	1.98E-04	3.17E-04	0.00E+00	8.67E-05	1.27E-04	0.00E+00
571	440961.5	3768125	0.001038	0.001266	0.00E+00	1.17E-03	1.84E-03	0.00E+00	1.96E-04	3.14E-04	0.00E+00	8.59E-05	1.26E-04	0.00E+00
572	440965.4	3768116	0.001026	0.001251	0.00E+00	1.16E-03	1.82E-03	0.00E+00	1.94E-04	3.10E-04	0.00E+00	8.49E-05	1.24E-04	0.00E+00
573	440969.2	3768107	0.001013	0.001234	0.00E+00	1.14E-03	1.79E-03	0.00E+00	1.91E-04	3.06E-04	0.00E+00	8.37E-05	1.23E-04	0.00E+00
574	440982.2	3768094	0.000998	0.001216	0.00E+00	1.12E-03	1.77E-03	0.00E+00	1.89E-04	3.01E-04	0.00E+00	8.25E-05	1.21E-04	0.00E+00
575	440991.3	3768090	0.000997	0.001215	0.00E+00	1.12E-03	1.77E-03	0.00E+00	1.88E-04	3.01E-04	0.00E+00	8.24E-05	1.21E-04	0.00E+00
576	441000.4	3768086	0.000994	0.001212	0.00E+00	1.12E-03	1.76E-03	0.00E+00	1.88E-04	3.00E-04	0.00E+00	8.22E-05	1.20E-04	0.00E+00
577	441009.6	3768082	0.000988	0.001205	0.00E+00	1.11E-03	1.75E-03	0.00E+00	1.87E-04	2.99E-04	0.00E+00	8.17E-05	1.20E-04	0.00E+00
578	441018.7	3768079	0.000981	0.001196	0.00E+00	1.11E-03	1.74E-03	0.00E+00	1.85E-04	2.96E-04	0.00E+00	8.11E-05	1.19E-04	0.00E+00
579	441027.8	3768075	0.000972	0.001185	0.00E+00	1.10E-03	1.72E-03	0.00E+00	1.84E-04	2.94E-04	0.00E+00	8.03E-05	1.18E-04	0.00E+00
580	441036.9	3768071	0.000964	0.001175	0.00E+00	1.09E-03	1.71E-03	0.00E+00	1.82E-04	2.91E-04	0.00E+00	7.97E-05	1.17E-04	0.00E+00
581	441046.1	3768068	0.000956	0.001165	0.00E+00	1.08E-03	1.69E-03	0.00E+00	1.81E-04	2.89E-04	0.00E+00	7.90E-05	1.16E-04	0.00E+00
582	441055.2	3768064	0.000946	0.001153	0.00E+00	1.07E-03	1.68E-03	0.00E+00	1.79E-04	2.86E-04	0.00E+00	7.82E-05	1.15E-04	0.00E+00
583	441064.3	3768060	0.000937	0.001142	0.00E+00	1.06E-03	1.66E-03	0.00E+00	1.77E-04	2.83E-04	0.00E+00	7.75E-05	1.13E-04	0.00E+00
584	441119.1	3768038	0.000883	0.001076	0.00E+00	9.95E-04	1.56E-03	0.00E+00	1.67E-04	2.67E-04	0.00E+00	7.30E-05	1.07E-04	0.00E+00
585	441128.3	3768034	0.000873	0.001065	0.00E+00	9.85E-04	1.55E-03	0.00E+00	1.65E-04	2.64E-04	0.00E+00	7.22E-05	1.06E-04	0.00E+00
586	441137.4	3768030	0.000863	0.001053	0.00E+00	9.73E-04	1.53E-03	0.00E+00	1.63E-04	2.61E-04	0.00E+00	7.14E-05	1.04E-04	0.00E+00
587	441146.5	3768026	0.000853	0.001039	0.00E+00	9.61E-04	1.51E-03	0.00E+00	1.61E-04	2.58E-04	0.00E+00	7.05E-05	1.03E-04	0.00E+00
588	441155.7	3768023	0.00084	0.001024	0.00E+00	9.47E-04	1.49E-03	0.00E+00	1.59E-04	2.54E-04	0.00E+00	6.95E-05	1.02E-04	0.00E+00
589	441164.8	3768019	0.000826	0.001008	0.00E+00	9.32E-04	1.46E-03	0.00E+00	1.56E-04	2.50E-04	0.00E+00	6.83E-05	1.00E-04	0.00E+00
590	441173.9	3768015	0.000812	0.00099	0.00E+00	9.16E-04	1.44E-03	0.00E+00	1.54E-04	2.45E-04	0.00E+00	6.72E-05	9.83E-05	0.00E+00
591	440822.2	3768361	0.001055	0.001286	0.00E+00	1.19E-03	1.87E-03	0.00E+00	2.00E-04	3.19E-04	0.00E+00	8.73E-05	1.28E-04	0.00E+00
592	440826.1	3768352	0.001065	0.001298	0.00E+00	1.20E-03	1.89E-03	0.00E+00	2.01E-04	3.22E-04	0.00E+00	8.81E-05	1.29E-04	0.00E+00
593	440829.9	3768342	0.001074	0.001309	0.00E+00	1.21E-03	1.90E-03	0.00E+00	2.03E-04	3.24E-04	0.00E+00	8.88E-05	1.30E-04	0.00E+00
594	440833.7	3768333	0.001081	0.001318	0.00E+00	1.22E-03	1.92E-03	0.00E+00	2.04E-04	3.27E-04	0.00E+00	8.94E-05	1.31E-04	0.00E+00
595	440837.6	3768324	0.001087	0.001325	0.00E+00	1.23E-03	1.93E-03	0.00E+00	2.05E-04	3.28E-04	0.00E+00	8.99E-05	1.32E-04	0.00E+00
596	440841.4	3768315	0.001092	0.001331	0.00E+00	1.23E-03	1.93E-03	0.00E+00	2.06E-04	3.30E-04	0.00E+00	9.03E-05	1.32E-04	0.00E+00
597	440845.2	3768306	0.001096	0.001336	0.00E+00	1.23E-03	1.94E-03	0.00E+00	2.07E-04	3.31E-04	0.00E+00	9.06E-05	1.33E-04	0.00E+00
598	440856.7	3768279	0.001102	0.001344	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.33E-04	0.00E+00	9.11E-05	1.33E-04	0.00E+00
599	440860.6	3768270	0.001102	0.001344	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.33E-04	0.00E+00	9.11E-05	1.33E-04	0.00E+00
600	440864.4	3768260	0.001102	0.001343	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.33E-04	0.00E+00	9.11E-05	1.33E-04	0.00E+00
601	440868.2	3768251	0.0011	0.001341	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.32E-04	0.00E+00	9.10E-05	1.33E-04	0.00E+00
602	440872	3768242	0.001098	0.001338	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.32E-04	0.00E+00	9.08E-05	1.33E-04	0.00E+00
603	440875.9	3768233	0.001093	0.001332	0.00E+00	1.23E-03	1.94E-03	0.00E+00	2.07E-04	3.30E-04	0.00E+00	9.03E-05	1.32E-04	0.00E+00
604	440879.7	3768224	0.001085	0.001323	0.00E+00	1.22E-03	1.92E-03	0.00E+00	2.05E-04	3.28E-04	0.00E+00	8.97E-05	1.31E-04	0.00E+00
605	440883.5	3768215	0.001077	0.001313	0.00E+00	1.21E-03	1.91E-03	0.00E+00	2.04E-04	3.25E-04	0.00E+00	8.91E-05	1.30E-04	0.00E+00
606	440887.4	3768206	0.001068	0.001302	0.00E+00	1.20E-03	1.89E-03	0.00E+00	2.02E-04	3.23E-04	0.00E+00	8.83E-05	1.29E-04	0.00E+00
607	440891.2	3768197	0.001057	0.001289	0.00E+00	1.19E-03	1.87E-03	0.00E+00	2.00E-04	3.19E-04	0.00E+00	8.74E-05	1.28E-04	0.00E+00
608	440895	3768188	0.001045	0.001274	0.00E+00	1.18E-03	1.85E-03	0.00E+00	1.98E-04	3.16E-04	0.00E+00	8.64E-05	1.27E-04	0.00E+00
609	440898.9	3768178	0.001033	0.001259	0.00E+00	1.16E-03	1.83E-03	0.00E+00	1.95E-04	3.12E-04	0.00E+00	8.54E-05	1.25E-04	0.00E+00
610	440902.7	3768169	0.001022	0.001246	0.00E+00	1.15E-03	1.81E-03	0.00E+00	1.93E-04	3.09E-04	0.00E+00	8.45E-05	1.24E-04	0.00E+00
611	440906.5	3768160	0.00101	0.001232	0.00E+00	1.14E-03	1.79E-03	0.00E+00	1.91E-04	3.05E-04	0.00E+00	8.35E-05	1.22E-04	0.00E+00
612	440910.4	3768151	0.000998	0.001217	0.00E+00	1.13E-03	1.77E-03	0.00E+00	1.89E-04	3.02E-04	0.00E+00	8.25E-05	1.21E-04	0.00E+00
613	440914.2	3768142	0.000993	0.001211	0.00E+00	1.12E-03	1.76E-03	0.00E+00	1.88E-04	3.00E-04	0.00E+00	8.21E-05	1.20E-04	0.00E+00
614	440918	3768133	0.000989	0.001205	0.00E+00	1.11E-03	1.75E-03	0.00E+00	1.87E-04	2.99E-04	0.00E+00	8.17E-05	1.20E-04	0.00E+00
615	440921.9	3768124	0.000983	0.001198	0.00E+00	1.11E-03	1.74E-03	0.00E+00	1.86E-04	2.97E-04	0.00E+00	8.13E-05	1.19E-04	0.00E+00
616	440925.7	3768115	0.000975	0.001189	0.00E+00	1.10E-03	1.73E-03	0.00E+00	1.84E-04	2.95E-04	0.00E+00	8.06E-05	1.18E-04	0.00E+00
617	440929.5	3768105	0.000966	0.001178	0.00E+00	1.09E-03	1.71E-03	0.00E+00	1.83E-04	2.92E-04	0.00E+00	7.99E-05	1.17E-04	0.00E+00
618	440933.4	3768096	0.000957	0.001166	0.00E+00	1.08E-03	1.70E-03	0.00E+00	1.81E-04	2.89E-04	0.00E+00	7.91E-05	1.16E-04	0.00E+00
619	440937.2	3768087	0.000946	0.001153	0.00E+00	1.07E-03	1.68E-03	0.00E+00	1.79E-04	2.86E-04	0.00E+00	7.82E-05	1.14E-04	0.00E+00
620	440941	3768078	0.000933	0.001137	0.00E+00	1.05E-03	1.65E-03	0.00E+00	1.76E-04	2.82E-04	0.00E+00	7.71E-05	1.13E-04	0.00E+00
621	440954	3768065	0.000919	0.00112	0.00E+00	1.04E-03	1.63E-03	0.00E+00	1.74E-04	2.78E-04	0.00E+00	7.60E-05	1.11E-04	0.00E+00
622	440963.2	3768062	0.000918	0.001119	0.00E+00	1.03E-03	1.63E-03	0.00E+00	1.74E-04	2.77E-04	0.00E+00	7.59E-05	1.11E-04	0.00E+00
623	441018.1	3768039	0.000887	0.001082	0.00E+00	1.00E-03	1.57E-03	0.00E+00	1.68E-04	2.68E-04	0.00E+00	7.34E-05	1.07E-04	0.00E+00
624	441027.2	3768035	0.000878	0.00107	0.00E+00	9.90E-04	1.56E-03	0.00E+00	1.66E-04	2.65E-04	0.00E+00	7.26E-05	1.06E-04	0.00E+00
625	441036.4	3768032	0.000869	0.00106	0.00E+00	9.80E-04	1.54E-03	0.00E+00	1.64E-04	2.63E-04	0.00E+00	7.19E-05	1.05E-04	0.00E+00
626	441045.5	3768028	0.000861	0.001049	0.00E+00	9.70E-04	1.53E-03	0.00E+00	1.63E-04	2.60E-04	0.00E+00	7.12E-05	1.04E-04	0.00E+00
627	441054.7	3768024	0.000852	0.001039	0.00E+00	9.60E-04	1.51E-03	0.00E+00	1.61E-04	2.57E-04	0.00E+00	7.04E-05	1.03E-04	0.00E+00
628	441063.8	3768020	0.000843	0.001028	0.00E+00	9.51E-04	1.49E-03	0.00E+00	1.59E-04	2.55E-04	0.00E+00	6.97E-05	1.02E-04	0.00E+00
629	441073	3768017	0.000836	0.001019	0.00E+00	9.42E-04	1.48E-03	0.00E+00	1.58E-04	2.52E-04	0.00E+00	6.91E-05	1.01E-04	0.00E+00
630	441082.1	3768013	0.000828	0.001009	0.00E+00	9.33E-04	1.47E-03	0.00E+00	1.56E-04	2.50E-04	0.00E+00	6.84E-05	1.00E-04	0.00E+00
631	441091.3	3768009	0.00082	0.001	0.00E+00	9.24E-04	1.45E-03	0.00E+00	1.55E-04	2.48E-04	0.00E+00	6.78E-05	9.92E-05	0.00E+00
632	441100.4	3768005	0.000812	0.00099	0.00E+00	9.16E-04	1.44E-03	0.00E+00	1.54E-04	2.45E-04	0.00E+00	6.72E-05	9.83E-05	0.00E+00
633	441109.6	3768002	0.000804	0.00098	0.00E+00	9.06E-04	1.42E-03	0.00E+00	1.52E-04	2.43E-04	0.00E+00	6.65E-05	9.73E-05	0.00E+00
634	441118.7	3767998	0.000794	0.000968	0.00E+00	8.95E-04	1.41E-03	0.00E+00	1.50E-04	2.40E-04	0.00E+00	6.57E-05	9.61E-05	0.00E+00

635	441127.9	3767994	0.000783	0.000954	0.00E+00	8.82E-04	1.39E-03	0.00E+00	1.48E-04	2.36E-04	0.00E+00	6.47E-05	9.47E-05	0.00E+00
636	441137	3767990	0.00077	0.000939	0.00E+00	8.68E-04	1.36E-03	0.00E+00	1.46E-04	2.33E-04	0.00E+00	6.37E-05	9.32E-05	0.00E+00
637	441146.2	3767987	0.000756	0.000922	0.00E+00	8.52E-04	1.34E-03	0.00E+00	1.43E-04	2.28E-04	0.00E+00	6.25E-05	9.15E-05	0.00E+00
638	441155.3	3767983	0.000743	0.000906	0.00E+00	8.37E-04	1.32E-03	0.00E+00	1.40E-04	2.24E-04	0.00E+00	6.14E-05	8.99E-05	0.00E+00
639	441164.5	3767979	0.000731	0.000891	0.00E+00	8.24E-04	1.29E-03	0.00E+00	1.38E-04	2.21E-04	0.00E+00	6.04E-05	8.84E-05	0.00E+00
640	440820.7	3768269	0.001005	0.001226	0.00E+00	1.13E-03	1.78E-03	0.00E+00	1.90E-04	3.04E-04	0.00E+00	8.31E-05	1.22E-04	0.00E+00
641	440824.6	3768260	0.001006	0.001227	0.00E+00	1.13E-03	1.78E-03	0.00E+00	1.90E-04	3.04E-04	0.00E+00	8.32E-05	1.22E-04	0.00E+00
642	440828.4	3768251	0.001007	0.001227	0.00E+00	1.13E-03	1.78E-03	0.00E+00	1.90E-04	3.04E-04	0.00E+00	8.33E-05	1.22E-04	0.00E+00
643	440832.3	3768241	0.001007	0.001227	0.00E+00	1.13E-03	1.78E-03	0.00E+00	1.90E-04	3.04E-04	0.00E+00	8.32E-05	1.22E-04	0.00E+00
644	440836.1	3768232	0.001004	0.001225	0.00E+00	1.13E-03	1.78E-03	0.00E+00	1.90E-04	3.03E-04	0.00E+00	8.30E-05	1.22E-04	0.00E+00
645	440839.9	3768223	0.001001	0.001221	0.00E+00	1.13E-03	1.77E-03	0.00E+00	1.89E-04	3.03E-04	0.00E+00	8.28E-05	1.21E-04	0.00E+00
646	440843.8	3768214	0.000997	0.001216	0.00E+00	1.12E-03	1.77E-03	0.00E+00	1.89E-04	3.01E-04	0.00E+00	8.25E-05	1.21E-04	0.00E+00
647	440847.6	3768205	0.000993	0.00121	0.00E+00	1.12E-03	1.76E-03	0.00E+00	1.88E-04	3.00E-04	0.00E+00	8.21E-05	1.20E-04	0.00E+00
648	440851.5	3768196	0.000987	0.001204	0.00E+00	1.11E-03	1.75E-03	0.00E+00	1.87E-04	2.98E-04	0.00E+00	8.16E-05	1.19E-04	0.00E+00
649	440855.3	3768187	0.000981	0.001195	0.00E+00	1.11E-03	1.74E-03	0.00E+00	1.85E-04	2.96E-04	0.00E+00	8.11E-05	1.19E-04	0.00E+00
650	440859.1	3768178	0.000973	0.001186	0.00E+00	1.10E-03	1.72E-03	0.00E+00	1.84E-04	2.94E-04	0.00E+00	8.04E-05	1.18E-04	0.00E+00
651	440863	3768168	0.000965	0.001176	0.00E+00	1.09E-03	1.71E-03	0.00E+00	1.82E-04	2.91E-04	0.00E+00	7.98E-05	1.17E-04	0.00E+00
652	440866.8	3768159	0.000956	0.001166	0.00E+00	1.08E-03	1.69E-03	0.00E+00	1.81E-04	2.89E-04	0.00E+00	7.90E-05	1.16E-04	0.00E+00
653	440870.6	3768150	0.000947	0.001154	0.00E+00	1.07E-03	1.68E-03	0.00E+00	1.79E-04	2.86E-04	0.00E+00	7.83E-05	1.15E-04	0.00E+00
654	440874.5	3768141	0.000941	0.001147	0.00E+00	1.06E-03	1.67E-03	0.00E+00	1.78E-04	2.84E-04	0.00E+00	7.78E-05	1.14E-04	0.00E+00
655	440878.3	3768132	0.000935	0.00114	0.00E+00	1.05E-03	1.66E-03	0.00E+00	1.77E-04	2.82E-04	0.00E+00	7.73E-05	1.13E-04	0.00E+00
656	440882.2	3768123	0.000929	0.001133	0.00E+00	1.05E-03	1.65E-03	0.00E+00	1.76E-04	2.81E-04	0.00E+00	7.68E-05	1.12E-04	0.00E+00
657	440886	3768114	0.000923	0.001125	0.00E+00	1.04E-03	1.63E-03	0.00E+00	1.74E-04	2.79E-04	0.00E+00	7.63E-05	1.12E-04	0.00E+00
658	440889.8	3768105	0.000915	0.001116	0.00E+00	1.03E-03	1.62E-03	0.00E+00	1.73E-04	2.76E-04	0.00E+00	7.57E-05	1.11E-04	0.00E+00
659	440893.7	3768095	0.000908	0.001106	0.00E+00	1.02E-03	1.61E-03	0.00E+00	1.72E-04	2.74E-04	0.00E+00	7.50E-05	1.10E-04	0.00E+00
660	440897.5	3768086	0.000899	0.001096	0.00E+00	1.01E-03	1.59E-03	0.00E+00	1.70E-04	2.72E-04	0.00E+00	7.43E-05	1.09E-04	0.00E+00
661	440901.4	3768077	0.000889	0.001084	0.00E+00	1.00E-03	1.58E-03	0.00E+00	1.68E-04	2.69E-04	0.00E+00	7.35E-05	1.08E-04	0.00E+00
662	440905.2	3768068	0.000879	0.001071	0.00E+00	9.90E-04	1.56E-03	0.00E+00	1.66E-04	2.65E-04	0.00E+00	7.26E-05	1.06E-04	0.00E+00
663	440925.9	3768037	0.000847	0.001033	0.00E+00	9.55E-04	1.50E-03	0.00E+00	1.60E-04	2.56E-04	0.00E+00	7.00E-05	1.03E-04	0.00E+00
664	440935	3768033	0.000848	0.001034	0.00E+00	9.56E-04	1.50E-03	0.00E+00	1.60E-04	2.56E-04	0.00E+00	7.01E-05	1.03E-04	0.00E+00
665	440944.2	3768029	0.000847	0.001033	0.00E+00	9.55E-04	1.50E-03	0.00E+00	1.60E-04	2.56E-04	0.00E+00	7.00E-05	1.03E-04	0.00E+00
666	440953.4	3768026	0.000844	0.001029	0.00E+00	9.52E-04	1.50E-03	0.00E+00	1.60E-04	2.55E-04	0.00E+00	6.98E-05	1.02E-04	0.00E+00
667	440962.5	3768022	0.000841	0.001026	0.00E+00	9.48E-04	1.49E-03	0.00E+00	1.59E-04	2.54E-04	0.00E+00	6.96E-05	1.02E-04	0.00E+00
668	440971.7	3768018	0.000838	0.001021	0.00E+00	9.44E-04	1.48E-03	0.00E+00	1.58E-04	2.53E-04	0.00E+00	6.93E-05	1.01E-04	0.00E+00
669	440980.9	3768014	0.000834	0.001016	0.00E+00	9.40E-04	1.48E-03	0.00E+00	1.58E-04	2.52E-04	0.00E+00	6.89E-05	1.01E-04	0.00E+00
670	440990	3768011	0.000829	0.00101	0.00E+00	9.34E-04	1.47E-03	0.00E+00	1.57E-04	2.50E-04	0.00E+00	6.85E-05	1.00E-04	0.00E+00
671	440999.2	3768007	0.000823	0.001003	0.00E+00	9.28E-04	1.46E-03	0.00E+00	1.56E-04	2.49E-04	0.00E+00	6.81E-05	9.96E-05	0.00E+00
672	441008.4	3768003	0.000816	0.000995	0.00E+00	9.20E-04	1.45E-03	0.00E+00	1.54E-04	2.46E-04	0.00E+00	6.75E-05	9.87E-05	0.00E+00
673	441017.5	3767999	0.000808	0.000985	0.00E+00	9.11E-04	1.43E-03	0.00E+00	1.53E-04	2.44E-04	0.00E+00	6.68E-05	9.78E-05	0.00E+00
674	441026.7	3767996	0.000799	0.000975	0.00E+00	9.01E-04	1.42E-03	0.00E+00	1.51E-04	2.42E-04	0.00E+00	6.61E-05	9.68E-05	0.00E+00
675	441035.9	3767992	0.000792	0.000965	0.00E+00	8.92E-04	1.40E-03	0.00E+00	1.50E-04	2.39E-04	0.00E+00	6.54E-05	9.58E-05	0.00E+00
676	441045	3767988	0.000784	0.000956	0.00E+00	8.84E-04	1.39E-03	0.00E+00	1.48E-04	2.37E-04	0.00E+00	6.48E-05	9.49E-05	0.00E+00
677	441054.2	3767984	0.000776	0.000946	0.00E+00	8.75E-04	1.38E-03	0.00E+00	1.47E-04	2.35E-04	0.00E+00	6.42E-05	9.39E-05	0.00E+00
678	441063.4	3767981	0.000769	0.000937	0.00E+00	8.67E-04	1.36E-03	0.00E+00	1.45E-04	2.32E-04	0.00E+00	6.36E-05	9.31E-05	0.00E+00
679	441072.5	3767977	0.000762	0.000929	0.00E+00	8.59E-04	1.35E-03	0.00E+00	1.44E-04	2.30E-04	0.00E+00	6.30E-05	9.23E-05	0.00E+00
680	441081.7	3767973	0.000755	0.000921	0.00E+00	8.52E-04	1.34E-03	0.00E+00	1.43E-04	2.28E-04	0.00E+00	6.25E-05	9.14E-05	0.00E+00
681	441090.9	3767969	0.000748	0.000912	0.00E+00	8.43E-04	1.33E-03	0.00E+00	1.41E-04	2.26E-04	0.00E+00	6.18E-05	9.05E-05	0.00E+00
682	441100	3767966	0.000737	0.000898	0.00E+00	8.30E-04	1.31E-03	0.00E+00	1.39E-04	2.23E-04	0.00E+00	6.09E-05	8.92E-05	0.00E+00
683	441109.2	3767962	0.000725	0.000884	0.00E+00	8.17E-04	1.28E-03	0.00E+00	1.37E-04	2.19E-04	0.00E+00	6.00E-05	8.77E-05	0.00E+00
684	441118.3	3767958	0.000713	0.000869	0.00E+00	8.04E-04	1.26E-03	0.00E+00	1.35E-04	2.15E-04	0.00E+00	5.89E-05	8.63E-05	0.00E+00
685	441127.5	3767954	0.0007	0.000853	0.00E+00	7.89E-04	1.24E-03	0.00E+00	1.32E-04	2.11E-04	0.00E+00	5.79E-05	8.47E-05	0.00E+00
686	441136.7	3767951	0.000686	0.000837	0.00E+00	7.74E-04	1.22E-03	0.00E+00	1.30E-04	2.07E-04	0.00E+00	5.67E-05	8.31E-05	0.00E+00
687	441145.8	3767947	0.000673	0.00082	0.00E+00	7.58E-04	1.19E-03	0.00E+00	1.27E-04	2.03E-04	0.00E+00	5.56E-05	8.14E-05	0.00E+00
688	441155	3767943	0.000662	0.000807	0.00E+00	7.46E-04	1.17E-03	0.00E+00	1.25E-04	2.00E-04	0.00E+00	5.47E-05	8.01E-05	0.00E+00
689	440820.5	3768174	0.000908	0.001107	0.00E+00	1.02E-03	1.61E-03	0.00E+00	1.72E-04	2.74E-04	0.00E+00	7.51E-05	1.10E-04	0.00E+00
690	440824.3	3768165	0.000903	0.001101	0.00E+00	1.02E-03	1.60E-03	0.00E+00	1.71E-04	2.73E-04	0.00E+00	7.47E-05	1.09E-04	0.00E+00
691	440828.1	3768156	0.000898	0.001095	0.00E+00	1.01E-03	1.59E-03	0.00E+00	1.70E-04	2.71E-04	0.00E+00	7.42E-05	1.09E-04	0.00E+00
692	440831.9	3768147	0.000892	0.001087	0.00E+00	1.01E-03	1.58E-03	0.00E+00	1.69E-04	2.69E-04	0.00E+00	7.38E-05	1.08E-04	0.00E+00
693	440835.7	3768138	0.000886	0.00108	0.00E+00	9.98E-04	1.57E-03	0.00E+00	1.67E-04	2.68E-04	0.00E+00	7.32E-05	1.07E-04	0.00E+00
694	440839.4	3768129	0.00088	0.001072	0.00E+00	9.91E-04	1.56E-03	0.00E+00	1.66E-04	2.66E-04	0.00E+00	7.27E-05	1.06E-04	0.00E+00
695	440843.2	3768120	0.000874	0.001065	0.00E+00	9.85E-04	1.55E-03	0.00E+00	1.65E-04	2.64E-04	0.00E+00	7.22E-05	1.06E-04	0.00E+00
696	440847	3768111	0.000868	0.001058	0.00E+00	9.78E-04	1.54E-03	0.00E+00	1.64E-04	2.62E-04	0.00E+00	7.18E-05	1.05E-04	0.00E+00
697	440850.8	3768102	0.000862	0.001051	0.00E+00	9.71E-04	1.53E-03	0.00E+00	1.63E-04	2.60E-04	0.00E+00	7.13E-05	1.04E-04	0.00E+00
698	440854.6	3768093	0.000855	0.001043	0.00E+00	9.64E-04	1.52E-03	0.00E+00	1.62E-04	2.58E-04	0.00E+00	7.07E-05	1.04E-04	0.00E+00
699	440858.3	3768084	0.000848	0.001034	0.00E+00	9.56E-04	1.50E-03	0.00E+00	1.60E-04	2.56E-04	0.00E+00	7.02E-05	1.03E-04	0.00E+00
700	440862.1	3768075	0.000841	0.001025	0.00E+00	9.48E-04	1.49E-03	0.00E+00	1.59E-04	2.54E-04	0.00E+00	6.95E-05	1.02E-04	0.00E+00
701	440865.9	3768066	0.000833	0.001016	0.00E+00	9.39E-04	1.48E-03	0.00E+00	1.58E-04	2.52E-04	0.00E+00	6.89E-05	1.01E-04	0.00E+00
702	440877.2	3768039	0.000806	0.000982	0.00E+00	9.08E-04	1.43E-03	0.00E+00	1.52E-04	2.43E-04	0.00E+00	6.66E-05	9.75E-05	0.00E+00
703	440881	3768030	0.000796	0.00097	0.00E+00	8.97E-04	1.41E-03	0.00E+00	1.50E-04	2.40E-04	0.00E+00	6.58E-05	9.63E-05	0.00E+00
704	440884.8	3768021	0.000786	0.000959	0.00E+00	8.86E-04	1.39E-03	0.00E+00	1.49E-04	2.38E-04	0.00E+00	6.50E-05	9.52E-05	0.00E+00
705	440897.6	3768008	0.000779	0.000949	0.00E+00	8.78E-04	1.38E-03	0.00E+00	1.47E-04	2.35E-04	0.00E+00	6.44E-05	9.42E-05	0.00E+00
706	440906.6	3768005	0.00078	0.000951	0.00E+00	8.80E-04	1.38E-03	0.00E+00	1.48E-04	2.36E-04	0.00E+00	6.45E-05	9.44E-05	0.00E+00
707	440915.6	3768001	0.000781	0.000952	0.00E+00	8.80E-04	1.38E-03	0.00E+00	1.48E-04	2.36E-04	0.00E+00	6.46E-05	9.45E-05	0.00E+00
708	440924.6	3767997	0.00078	0.000951	0.00E+00	8.80E-04	1.38E-03	0.00E+00	1.48E-04	2.36E-04	0.00E+00	6.45E-05	9.44E-05	0.00E+00
709	440933.7	3767994	0.000779	0.00095	0.00E+00	8.78E-04	1.38E-03	0.00E+00	1.47E-04	2.35E-04	0.00E+00	6.44E-05	9.43E-05	0.00E+00
710	440942.7	3767990	0.000777	0.000948	0.00E+00	8.76E-04	1.38E-03	0.00E+00	1.47E-04	2.35E-04	0.00E+00	6.43E-05	9.41E-05	0.00E+00
711	440951.7	3767986	0.000775	0.000944	0.00E+00	8.73E-04	1.37E-03	0.00E+00	1.46E-04	2.34E-04	0.00E+00	6.40E-05	9.37E-05	0.00E+00
712	440960.7	3767983	0.000772	0.000941	0.00E+00	8.70E-04	1.37E-03	0.00E+00	1.46E-04	2.33E-04	0.00E+00	6.38E-05	9.34E-05	0.00E+00
713	440969.7	3767979	0.000768	0.000937	0.00E+00	8.66E-04	1.36E-03	0.00E+00	1.45E-04	2.32E-04	0.00E+00	6.35E-05	9.30E-05	0.00E+00
714	440978.8	3767975	0.000763	0.000931	0.00E+00	8.60E-04	1.35E-03	0.00E+00	1.44E-04	2.31E-04	0.00E+00	6.31E-05	9.24E-05	0.00E+00
715	440987.8	3767972	0.000758	0.000924	0.00E+00	8.54E-04	1.34E-03	0.00E+00	1.43E-04	2.29E-04	0.00E+00	6.26E-05	9.17E-05	0.00E+00
716	440996.8	3767968	0.000751	0.000916	0.00E+00	8.47E-04	1.33E-03	0.00E+00	1.42E-04	2.27E-04	0.00E+00	6.21E-05	9.09E-05	0.00E+00
717	441005.8	3767964	0.000744	0.000907	0.00E+00	8.39E-04	1.32E-03	0.00E+00	1.41E-04	2.25E-04	0.00E+00	6.15E-05	9.01E-05	0.00E+00
718	441014.9	3767960	0.000737	0.000899	0.00E+00	8.31E-04	1.31E-03	0.00E+00	1.39E-04	2.23E-04	0.00E+00	6.10E-05	8.92E-05	0.00E+00
719	441023.9	3767957	0.00073	0.00089	0.00E+00	8.23E-04	1.29E-03	0.00E+00	1.38E-04	2.21E-04	0.00E+00	6.04E-05	8.84E-05	0.00E+00
720	441032.9	3767953	0.000723	0.000881	0.00E+00	8.15E-04	1.28E-03	0.00E+00	1.37E-04	2.18E-04	0.00E+00	5.98E-05	8.75E-05	0.00E+00
721	441041.9	3767949	0.000717	0.000874	0.00E+00	8.08E-04	1.27E-03	0.00E+00	1.35E-04	2.17E-04	0.00E+00	5.93E-05	8.67E-05	0.00E+00
722	441050.9	3767946	0.00071	0.000866	0.00E+00	8.01E-04	1.26E-03	0.00E+00	1.34E-04	2.15E-04	0.00E+00	5.87E-05	8.60E-05	0.00E+00
723	441060	3767942	0.000704	0.000858	0.00E+00	7.93E-04	1.25E-03	0.00E+00	1.33E-04	2.13E-04	0.00E+00	5.82E-05	8.52E-05	0.00E+00
724	441069	3767938	0.000696	0.000848	0.00E+00	7.84E-04	1.23E-03	0.00E+00	1.32E-04	2.10E-04	0.00E+00	5.75E-05	8.42E-05	0.00E+00
725	441105.1	3767924	0.000657	0.000801	0.00E+00	7.40E-04	1.16E-03	0.00E+00	1.24E-04	1.98E-04	0.00E+00	5.43E-05	7.95E-05	0.00E+00

726	441114.1	3767920	0.000646	0.000788	0.00E+00	7.28E-04	1.15E-03	0.00E+00	1.22E-04	1.95E-04	0.00E+00	5.34E-05	7.82E-05	0.00E+00
727	441123.1	3767916	0.000636	0.000775	0.00E+00	7.16E-04	1.13E-03	0.00E+00	1.20E-04	1.92E-04	0.00E+00	5.25E-05	7.69E-05	0.00E+00
728	441132.1	3767912	0.000625	0.000762	0.00E+00	7.05E-04	1.11E-03	0.00E+00	1.18E-04	1.89E-04	0.00E+00	5.17E-05	7.56E-05	0.00E+00
729	441141.1	3767909	0.000615	0.00075	0.00E+00	6.93E-04	1.09E-03	0.00E+00	1.16E-04	1.86E-04	0.00E+00	5.08E-05	7.44E-05	0.00E+00
730	441150.2	3767905	0.000605	0.000737	0.00E+00	6.82E-04	1.07E-03	0.00E+00	1.14E-04	1.83E-04	0.00E+00	5.00E-05	7.32E-05	0.00E+00
731	441159.2	3767901	0.000596	0.000727	0.00E+00	6.72E-04	1.06E-03	0.00E+00	1.13E-04	1.80E-04	0.00E+00	4.93E-05	7.22E-05	0.00E+00
732	440765.7	3768209	0.000845	0.00103	0.00E+00	9.52E-04	1.50E-03	0.00E+00	1.60E-04	2.55E-04	0.00E+00	6.98E-05	1.02E-04	0.00E+00
733	440769.5	3768200	0.000845	0.00103	0.00E+00	9.52E-04	1.50E-03	0.00E+00	1.60E-04	2.55E-04	0.00E+00	6.99E-05	1.02E-04	0.00E+00
734	440773.3	3768191	0.000845	0.00103	0.00E+00	9.52E-04	1.50E-03	0.00E+00	1.60E-04	2.55E-04	0.00E+00	6.99E-05	1.02E-04	0.00E+00
735	440777.1	3768182	0.000844	0.001029	0.00E+00	9.51E-04	1.50E-03	0.00E+00	1.60E-04	2.55E-04	0.00E+00	6.98E-05	1.02E-04	0.00E+00
736	440784.7	3768164	0.00084	0.001024	0.00E+00	9.47E-04	1.49E-03	0.00E+00	1.59E-04	2.54E-04	0.00E+00	6.95E-05	1.02E-04	0.00E+00
737	440788.5	3768155	0.000836	0.00102	0.00E+00	9.43E-04	1.48E-03	0.00E+00	1.58E-04	2.53E-04	0.00E+00	6.91E-05	1.01E-04	0.00E+00
738	440792.2	3768146	0.000832	0.001015	0.00E+00	9.38E-04	1.47E-03	0.00E+00	1.57E-04	2.51E-04	0.00E+00	6.88E-05	1.01E-04	0.00E+00
739	440796	3768137	0.000828	0.00101	0.00E+00	9.34E-04	1.47E-03	0.00E+00	1.57E-04	2.50E-04	0.00E+00	6.85E-05	1.00E-04	0.00E+00
740	440799.8	3768128	0.000824	0.001004	0.00E+00	9.28E-04	1.46E-03	0.00E+00	1.56E-04	2.49E-04	0.00E+00	6.81E-05	9.97E-05	0.00E+00
741	440818.8	3768083	0.000799	0.000974	0.00E+00	9.00E-04	1.42E-03	0.00E+00	1.51E-04	2.41E-04	0.00E+00	6.60E-05	9.67E-05	0.00E+00
742	440822.5	3768074	0.000794	0.000968	0.00E+00	8.95E-04	1.41E-03	0.00E+00	1.50E-04	2.40E-04	0.00E+00	6.57E-05	9.61E-05	0.00E+00
743	440826.3	3768065	0.000789	0.000962	0.00E+00	8.90E-04	1.40E-03	0.00E+00	1.49E-04	2.38E-04	0.00E+00	6.53E-05	9.55E-05	0.00E+00
744	440837.7	3768038	0.000768	0.000936	0.00E+00	8.66E-04	1.36E-03	0.00E+00	1.45E-04	2.32E-04	0.00E+00	6.35E-05	9.30E-05	0.00E+00
745	440841.5	3768029	0.00076	0.000926	0.00E+00	8.56E-04	1.35E-03	0.00E+00	1.44E-04	2.29E-04	0.00E+00	6.28E-05	9.19E-05	0.00E+00
746	440845.3	3768020	0.00075	0.000914	0.00E+00	8.45E-04	1.33E-03	0.00E+00	1.42E-04	2.27E-04	0.00E+00	6.20E-05	9.07E-05	0.00E+00
747	440849	3768011	0.000739	0.000901	0.00E+00	8.33E-04	1.31E-03	0.00E+00	1.40E-04	2.23E-04	0.00E+00	6.11E-05	8.95E-05	0.00E+00
748	440852.8	3768002	0.00073	0.00089	0.00E+00	8.23E-04	1.29E-03	0.00E+00	1.38E-04	2.20E-04	0.00E+00	6.03E-05	8.83E-05	0.00E+00
749	440856.6	3767993	0.000722	0.00088	0.00E+00	8.14E-04	1.28E-03	0.00E+00	1.36E-04	2.18E-04	0.00E+00	5.97E-05	8.74E-05	0.00E+00
750	440869.4	3767980	0.000716	0.000873	0.00E+00	8.07E-04	1.27E-03	0.00E+00	1.35E-04	2.16E-04	0.00E+00	5.92E-05	8.67E-05	0.00E+00
751	440878.5	3767976	0.000717	0.000874	0.00E+00	8.09E-04	1.27E-03	0.00E+00	1.36E-04	2.17E-04	0.00E+00	5.93E-05	8.68E-05	0.00E+00
752	440887.5	3767973	0.000718	0.000875	0.00E+00	8.09E-04	1.27E-03	0.00E+00	1.36E-04	2.17E-04	0.00E+00	5.94E-05	8.69E-05	0.00E+00
753	440896.6	3767969	0.000718	0.000875	0.00E+00	8.09E-04	1.27E-03	0.00E+00	1.36E-04	2.17E-04	0.00E+00	5.94E-05	8.69E-05	0.00E+00
754	440905.6	3767965	0.000718	0.000875	0.00E+00	8.09E-04	1.27E-03	0.00E+00	1.36E-04	2.17E-04	0.00E+00	5.93E-05	8.69E-05	0.00E+00
755	440914.7	3767962	0.000717	0.000874	0.00E+00	8.08E-04	1.27E-03	0.00E+00	1.36E-04	2.17E-04	0.00E+00	5.93E-05	8.68E-05	0.00E+00
756	440923.7	3767958	0.000716	0.000873	0.00E+00	8.07E-04	1.27E-03	0.00E+00	1.35E-04	2.16E-04	0.00E+00	5.92E-05	8.66E-05	0.00E+00
757	440932.7	3767954	0.000714	0.000871	0.00E+00	8.05E-04	1.27E-03	0.00E+00	1.35E-04	2.16E-04	0.00E+00	5.90E-05	8.64E-05	0.00E+00
758	440941.8	3767950	0.000712	0.000868	0.00E+00	8.03E-04	1.26E-03	0.00E+00	1.35E-04	2.15E-04	0.00E+00	5.89E-05	8.62E-05	0.00E+00
759	440950.8	3767947	0.000709	0.000864	0.00E+00	7.99E-04	1.26E-03	0.00E+00	1.34E-04	2.14E-04	0.00E+00	5.86E-05	8.58E-05	0.00E+00
760	440959.9	3767943	0.000705	0.000859	0.00E+00	7.95E-04	1.25E-03	0.00E+00	1.33E-04	2.13E-04	0.00E+00	5.83E-05	8.53E-05	0.00E+00
761	440968.9	3767939	0.0007	0.000854	0.00E+00	7.90E-04	1.24E-03	0.00E+00	1.32E-04	2.12E-04	0.00E+00	5.79E-05	8.48E-05	0.00E+00
762	441005.1	3767925	0.000675	0.000823	0.00E+00	7.61E-04	1.20E-03	0.00E+00	1.28E-04	2.04E-04	0.00E+00	5.58E-05	8.17E-05	0.00E+00
763	441014.1	3767921	0.000668	0.000815	0.00E+00	7.53E-04	1.18E-03	0.00E+00	1.26E-04	2.02E-04	0.00E+00	5.53E-05	8.09E-05	0.00E+00
764	441023.1	3767917	0.000662	0.000807	0.00E+00	7.46E-04	1.17E-03	0.00E+00	1.25E-04	2.00E-04	0.00E+00	5.47E-05	8.01E-05	0.00E+00
765	441032.2	3767913	0.000655	0.000798	0.00E+00	7.38E-04	1.16E-03	0.00E+00	1.24E-04	1.98E-04	0.00E+00	5.42E-05	7.93E-05	0.00E+00
766	441041.2	3767910	0.000649	0.000791	0.00E+00	7.31E-04	1.15E-03	0.00E+00	1.23E-04	1.96E-04	0.00E+00	5.36E-05	7.85E-05	0.00E+00
767	441050.3	3767906	0.000643	0.000784	0.00E+00	7.25E-04	1.14E-03	0.00E+00	1.22E-04	1.94E-04	0.00E+00	5.32E-05	7.78E-05	0.00E+00
768	441059.3	3767902	0.000637	0.000777	0.00E+00	7.18E-04	1.13E-03	0.00E+00	1.20E-04	1.92E-04	0.00E+00	5.27E-05	7.71E-05	0.00E+00
769	441068.3	3767899	0.00063	0.000768	0.00E+00	7.10E-04	1.12E-03	0.00E+00	1.19E-04	1.90E-04	0.00E+00	5.21E-05	7.62E-05	0.00E+00
770	441077.4	3767895	0.000623	0.000759	0.00E+00	7.02E-04	1.10E-03	0.00E+00	1.18E-04	1.88E-04	0.00E+00	5.15E-05	7.53E-05	0.00E+00
771	441086.4	3767891	0.000615	0.00075	0.00E+00	6.93E-04	1.09E-03	0.00E+00	1.16E-04	1.86E-04	0.00E+00	5.08E-05	7.44E-05	0.00E+00
772	441095.5	3767887	0.000607	0.00074	0.00E+00	6.84E-04	1.08E-03	0.00E+00	1.15E-04	1.83E-04	0.00E+00	5.02E-05	7.34E-05	0.00E+00
773	441104.5	3767884	0.000598	0.000729	0.00E+00	6.74E-04	1.06E-03	0.00E+00	1.13E-04	1.81E-04	0.00E+00	4.94E-05	7.24E-05	0.00E+00
774	441113.5	3767880	0.000589	0.000718	0.00E+00	6.64E-04	1.04E-03	0.00E+00	1.11E-04	1.78E-04	0.00E+00	4.87E-05	7.13E-05	0.00E+00
775	441122.6	3767876	0.00058	0.000707	0.00E+00	6.54E-04	1.03E-03	0.00E+00	1.10E-04	1.75E-04	0.00E+00	4.80E-05	7.02E-05	0.00E+00
776	441131.6	3767873	0.000571	0.000697	0.00E+00	6.44E-04	1.01E-03	0.00E+00	1.08E-04	1.73E-04	0.00E+00	4.72E-05	6.92E-05	0.00E+00
777	441140.7	3767869	0.000562	0.000685	0.00E+00	6.34E-04	9.96E-04	0.00E+00	1.06E-04	1.70E-04	0.00E+00	4.65E-05	6.80E-05	0.00E+00
778	441149.7	3767865	0.000553	0.000674	0.00E+00	6.23E-04	9.79E-04	0.00E+00	1.04E-04	1.67E-04	0.00E+00	4.57E-05	6.69E-05	0.00E+00
779	441158.7	3767862	0.000544	0.000663	0.00E+00	6.13E-04	9.64E-04	0.00E+00	1.03E-04	1.64E-04	0.00E+00	4.50E-05	6.58E-05	0.00E+00
780	441167.8	3767858	0.000535	0.000652	0.00E+00	6.03E-04	9.48E-04	0.00E+00	1.01E-04	1.62E-04	0.00E+00	4.42E-05	6.47E-05	0.00E+00
781	440695.7	3768280	0.000746	0.00091	0.00E+00	8.41E-04	1.32E-03	0.00E+00	1.41E-04	2.25E-04	0.00E+00	6.17E-05	9.03E-05	0.00E+00
782	440699.4	3768271	0.000751	0.000915	0.00E+00	8.46E-04	1.33E-03	0.00E+00	1.42E-04	2.27E-04	0.00E+00	6.21E-05	9.09E-05	0.00E+00
783	440703.2	3768262	0.000755	0.00092	0.00E+00	8.51E-04	1.34E-03	0.00E+00	1.43E-04	2.28E-04	0.00E+00	6.24E-05	9.14E-05	0.00E+00
784	440707	3768253	0.000759	0.000925	0.00E+00	8.55E-04	1.34E-03	0.00E+00	1.43E-04	2.29E-04	0.00E+00	6.27E-05	9.18E-05	0.00E+00
785	440710.8	3768244	0.000762	0.000929	0.00E+00	8.59E-04	1.35E-03	0.00E+00	1.44E-04	2.30E-04	0.00E+00	6.30E-05	9.22E-05	0.00E+00
786	440714.6	3768235	0.000765	0.000933	0.00E+00	8.62E-04	1.36E-03	0.00E+00	1.45E-04	2.31E-04	0.00E+00	6.33E-05	9.26E-05	0.00E+00
787	440718.4	3768226	0.000768	0.000936	0.00E+00	8.65E-04	1.36E-03	0.00E+00	1.45E-04	2.32E-04	0.00E+00	6.35E-05	9.29E-05	0.00E+00
788	440722.2	3768217	0.00077	0.000939	0.00E+00	8.68E-04	1.36E-03	0.00E+00	1.46E-04	2.33E-04	0.00E+00	6.37E-05	9.32E-05	0.00E+00
789	440726	3768208	0.000772	0.000941	0.00E+00	8.70E-04	1.37E-03	0.00E+00	1.46E-04	2.33E-04	0.00E+00	6.38E-05	9.34E-05	0.00E+00
790	440729.8	3768199	0.000773	0.000943	0.00E+00	8.71E-04	1.37E-03	0.00E+00	1.46E-04	2.34E-04	0.00E+00	6.39E-05	9.36E-05	0.00E+00
791	440733.6	3768190	0.000774	0.000944	0.00E+00	8.73E-04	1.37E-03	0.00E+00	1.46E-04	2.34E-04	0.00E+00	6.40E-05	9.37E-05	0.00E+00
792	440737.4	3768181	0.000775	0.000944	0.00E+00	8.73E-04	1.37E-03	0.00E+00	1.46E-04	2.34E-04	0.00E+00	6.41E-05	9.38E-05	0.00E+00
793	440745	3768163	0.000776	0.000946	0.00E+00	8.75E-04	1.38E-03	0.00E+00	1.47E-04	2.35E-04	0.00E+00	6.42E-05	9.40E-05	0.00E+00
794	440748.8	3768154	0.000777	0.000947	0.00E+00	8.75E-04	1.38E-03	0.00E+00	1.47E-04	2.35E-04	0.00E+00	6.42E-05	9.40E-05	0.00E+00
795	440752.6	3768145	0.000776	0.000946	0.00E+00	8.75E-04	1.37E-03	0.00E+00	1.47E-04	2.34E-04	0.00E+00	6.42E-05	9.39E-05	0.00E+00
796	440756.4	3768136	0.000774	0.000944	0.00E+00	8.73E-04	1.37E-03	0.00E+00	1.46E-04	2.34E-04	0.00E+00	6.40E-05	9.37E-05	0.00E+00
797	440760.2	3768127	0.000772	0.000941	0.00E+00	8.70E-04	1.37E-03	0.00E+00	1.46E-04	2.33E-04	0.00E+00	6.38E-05	9.35E-05	0.00E+00
798	440764	3768118	0.000769	0.000938	0.00E+00	8.67E-04	1.36E-03	0.00E+00	1.45E-04	2.32E-04	0.00E+00	6.36E-05	9.31E-05	0.00E+00
799	440767.7	3768109	0.000766	0.000934	0.00E+00	8.64E-04	1.36E-03	0.00E+00	1.45E-04	2.32E-04	0.00E+00	6.34E-05	9.28E-05	0.00E+00
800	440771.5	3768100	0.000763	0.000931	0.00E+00	8.60E-04	1.35E-03	0.00E+00	1.44E-04	2.31E-04	0.00E+00	6.31E-05	9.24E-05	0.00E+00
801	440775.3	3768091	0.00076	0.000926	0.00E+00	8.57E-04	1.35E-03	0.00E+00	1.44E-04	2.30E-04	0.00E+00	6.28E-05	9.20E-05	0.00E+00
802	440779.1	3768082	0.000757	0.000923	0.00E+00	8.53E-04	1.34E-03	0.00E+00	1.43E-04	2.29E-04	0.00E+00	6.26E-05	9.16E-05	0.00E+00
803	440782.9	3768073	0.000753	0.000919	0.00E+00	8.49E-04	1.34E-03	0.00E+00	1.42E-04	2.28E-04	0.00E+00	6.23E-05	9.12E-05	0.00E+00
804	440786.7	3768064	0.00075	0.000914	0.00E+00	8.45E-04	1.33E-03	0.00E+00	1.42E-04	2.27E-04	0.00E+00	6.20E-05	9.07E-05	0.00E+00
805	440798.1	3768037	0.000734	0.000895	0.00E+00	8.28E-04	1.30E-03	0.00E+00	1.39E-04	2.22E-04	0.00E+00	6.07E-05	8.89E-05	0.00E+00
806	440817.1	3767991	0.000699	0.000852	0.00E+00	7.88E-04	1.24E-03	0.00E+00	1.32E-04	2.11E-04	0.00E+00	5.78E-05	8.46E-05	0.00E+00
807	440820.9	3767982	0.000692	0.000843	0.00E+00	7.80E-04	1.23E-03	0.00E+00	1.31E-04	2.09E-04	0.00E+00	5.72E-05	8.37E-05	0.00E+00
808	440824.7	3767973	0.000684	0.000834	0.00E+00	7.71E-04	1.21E-03	0.00E+00	1.29E-04	2.07E-04	0.00E+00	5.66E-05	8.28E-05	0.00E+00
809	440828.5	3767964	0.000676	0.000824	0.00E+00	7.62E-04	1.20E-03	0.00E+00	1.28E-04	2.04E-04	0.00E+00	5.59E-05	8.18E-05	0.00E+00
810	440841.3	3767952	0.000668	0.000814	0.00E+00	7.53E-04	1.18E-03	0.00E+00	1.26E-04	2.02E-04	0.00E+00	5.52E-05	8.08E-05	0.00E+00
811	440850.4	3767948	0.000668	0.000815	0.00E+00	7.53E-04	1.18E-03	0.00E+00	1.26E-04	2.02E-04	0.00E+00	5.53E-05	8.09E-05	0.00E+00
812	440859.4	3767944	0.000669	0.000816	0.00E+00	7.54E-04	1.19E-03	0.00E+00	1.26E-04	2.02E-04	0.00E+00	5.53E-05	8.10E-05	0.00E+00
813	440868.5	3767941	0.000669	0.000816	0.00E+00	7.54E-04	1.19E-03	0.00E+00	1.26E-04	2.02E-04	0.00E+00	5.53E-05	8.10E-05	0.00E+00
814	440913.8	3767922	0.000663	0.000808	0.00E+00	7.47E-04	1.18E-03	0.00E+00	1.25E-04	2.00E-04	0.00E+00	5.48E-05	8.03E-05	0.00E+00
815	440922.8	3767918	0.000662	0.000807	0.00E+00	7.46E-04	1.17E-03	0.00E+00	1.25E-04	2.00E-04	0.00E+00	5.47E-05	8.01E-05	0.00E+00
816	440931.9	3767915	0.00066	0.000804	0.00E+00	7.44E-04	1.17E-03	0.00E+00	1.25E-04	1.99E-04	0.00E+00	5.46E-05	7.98E-05	0.00E+00

817	440941	3767911	0.000657	0.000801	0.00E+00	7.41E-04	1.16E-03	0.00E+00	1.24E-04	1.99E-04	0.00E+00	5.44E-05	7.96E-05	0.00E+00
818	440950	3767907	0.000653	0.000796	0.00E+00	7.36E-04	1.16E-03	0.00E+00	1.23E-04	1.97E-04	0.00E+00	5.40E-05	7.90E-05	0.00E+00
819	440959.1	3767903	0.000648	0.00079	0.00E+00	7.30E-04	1.15E-03	0.00E+00	1.22E-04	1.96E-04	0.00E+00	5.36E-05	7.84E-05	0.00E+00
820	440968.1	3767900	0.000642	0.000783	0.00E+00	7.24E-04	1.14E-03	0.00E+00	1.21E-04	1.94E-04	0.00E+00	5.31E-05	7.77E-05	0.00E+00
821	440977.2	3767896	0.000637	0.000776	0.00E+00	7.18E-04	1.13E-03	0.00E+00	1.20E-04	1.92E-04	0.00E+00	5.26E-05	7.71E-05	0.00E+00
822	440986.3	3767892	0.000631	0.000769	0.00E+00	7.11E-04	1.12E-03	0.00E+00	1.19E-04	1.91E-04	0.00E+00	5.22E-05	7.64E-05	0.00E+00
823	440995.3	3767889	0.000626	0.000763	0.00E+00	7.05E-04	1.11E-03	0.00E+00	1.18E-04	1.89E-04	0.00E+00	5.17E-05	7.57E-05	0.00E+00
824	441004.4	3767885	0.00062	0.000756	0.00E+00	6.99E-04	1.10E-03	0.00E+00	1.17E-04	1.87E-04	0.00E+00	5.13E-05	7.50E-05	0.00E+00
825	441013.4	3767881	0.000614	0.000748	0.00E+00	6.92E-04	1.09E-03	0.00E+00	1.16E-04	1.85E-04	0.00E+00	5.08E-05	7.43E-05	0.00E+00
826	441022.5	3767877	0.000607	0.00074	0.00E+00	6.85E-04	1.08E-03	0.00E+00	1.15E-04	1.84E-04	0.00E+00	5.02E-05	7.35E-05	0.00E+00
827	441031.5	3767874	0.000601	0.000732	0.00E+00	6.77E-04	1.06E-03	0.00E+00	1.14E-04	1.82E-04	0.00E+00	4.97E-05	7.27E-05	0.00E+00
828	441040.6	3767870	0.000595	0.000726	0.00E+00	6.71E-04	1.05E-03	0.00E+00	1.13E-04	1.80E-04	0.00E+00	4.92E-05	7.20E-05	0.00E+00
829	441049.7	3767866	0.000589	0.000718	0.00E+00	6.64E-04	1.04E-03	0.00E+00	1.11E-04	1.78E-04	0.00E+00	4.87E-05	7.13E-05	0.00E+00
830	441058.7	3767863	0.000583	0.00071	0.00E+00	6.57E-04	1.03E-03	0.00E+00	1.10E-04	1.76E-04	0.00E+00	4.82E-05	7.05E-05	0.00E+00
831	441067.8	3767859	0.000576	0.000702	0.00E+00	6.49E-04	1.02E-03	0.00E+00	1.09E-04	1.74E-04	0.00E+00	4.76E-05	6.97E-05	0.00E+00
832	441095	3767848	0.000557	0.000678	0.00E+00	6.27E-04	9.86E-04	0.00E+00	1.05E-04	1.68E-04	0.00E+00	4.60E-05	6.74E-05	0.00E+00
833	441104	3767844	0.000549	0.00067	0.00E+00	6.19E-04	9.73E-04	0.00E+00	1.04E-04	1.66E-04	0.00E+00	4.54E-05	6.65E-05	0.00E+00
834	441113.1	3767840	0.000542	0.000661	0.00E+00	6.11E-04	9.60E-04	0.00E+00	1.02E-04	1.64E-04	0.00E+00	4.48E-05	6.56E-05	0.00E+00
835	441122.1	3767837	0.000534	0.000651	0.00E+00	6.02E-04	9.47E-04	0.00E+00	1.01E-04	1.61E-04	0.00E+00	4.42E-05	6.47E-05	0.00E+00
836	440655.8	3768280	0.000681	0.00083	0.00E+00	7.67E-04	1.21E-03	0.00E+00	1.29E-04	2.06E-04	0.00E+00	5.63E-05	8.24E-05	0.00E+00
837	440659.7	3768270	0.000684	0.000834	0.00E+00	7.71E-04	1.21E-03	0.00E+00	1.29E-04	2.07E-04	0.00E+00	5.66E-05	8.28E-05	0.00E+00
838	440663.5	3768261	0.000689	0.00084	0.00E+00	7.77E-04	1.22E-03	0.00E+00	1.30E-04	2.08E-04	0.00E+00	5.70E-05	8.34E-05	0.00E+00
839	440667.3	3768252	0.000694	0.000846	0.00E+00	7.82E-04	1.23E-03	0.00E+00	1.31E-04	2.10E-04	0.00E+00	5.74E-05	8.40E-05	0.00E+00
840	440671.1	3768243	0.000698	0.000851	0.00E+00	7.87E-04	1.24E-03	0.00E+00	1.32E-04	2.11E-04	0.00E+00	5.77E-05	8.45E-05	0.00E+00
841	440674.9	3768234	0.000701	0.000855	0.00E+00	7.90E-04	1.24E-03	0.00E+00	1.33E-04	2.12E-04	0.00E+00	5.80E-05	8.49E-05	0.00E+00
842	440678.7	3768225	0.000704	0.000858	0.00E+00	7.93E-04	1.25E-03	0.00E+00	1.33E-04	2.13E-04	0.00E+00	5.82E-05	8.52E-05	0.00E+00
843	440682.5	3768216	0.000706	0.000861	0.00E+00	7.96E-04	1.25E-03	0.00E+00	1.33E-04	2.13E-04	0.00E+00	5.84E-05	8.54E-05	0.00E+00
844	440686.3	3768207	0.000708	0.000863	0.00E+00	7.98E-04	1.25E-03	0.00E+00	1.34E-04	2.14E-04	0.00E+00	5.85E-05	8.57E-05	0.00E+00
845	440690.1	3768198	0.00071	0.000866	0.00E+00	8.00E-04	1.26E-03	0.00E+00	1.34E-04	2.15E-04	0.00E+00	5.87E-05	8.59E-05	0.00E+00
846	440693.9	3768189	0.000712	0.000868	0.00E+00	8.03E-04	1.26E-03	0.00E+00	1.35E-04	2.15E-04	0.00E+00	5.89E-05	8.62E-05	0.00E+00
847	440697.7	3768180	0.000714	0.00087	0.00E+00	8.05E-04	1.26E-03	0.00E+00	1.35E-04	2.16E-04	0.00E+00	5.90E-05	8.64E-05	0.00E+00
848	440705.3	3768162	0.000717	0.000874	0.00E+00	8.08E-04	1.27E-03	0.00E+00	1.35E-04	2.17E-04	0.00E+00	5.93E-05	8.67E-05	0.00E+00
849	440709.1	3768153	0.000718	0.000875	0.00E+00	8.09E-04	1.27E-03	0.00E+00	1.36E-04	2.17E-04	0.00E+00	5.93E-05	8.69E-05	0.00E+00
850	440712.9	3768144	0.000718	0.000875	0.00E+00	8.10E-04	1.27E-03	0.00E+00	1.36E-04	2.17E-04	0.00E+00	5.94E-05	8.69E-05	0.00E+00
851	440716.7	3768135	0.000718	0.000876	0.00E+00	8.10E-04	1.27E-03	0.00E+00	1.36E-04	2.17E-04	0.00E+00	5.94E-05	8.69E-05	0.00E+00
852	440720.5	3768126	0.000718	0.000875	0.00E+00	8.09E-04	1.27E-03	0.00E+00	1.36E-04	2.17E-04	0.00E+00	5.94E-05	8.69E-05	0.00E+00
853	440724.3	3768117	0.000718	0.000875	0.00E+00	8.09E-04	1.27E-03	0.00E+00	1.36E-04	2.17E-04	0.00E+00	5.93E-05	8.68E-05	0.00E+00
854	440728.1	3768108	0.000717	0.000874	0.00E+00	8.08E-04	1.27E-03	0.00E+00	1.35E-04	2.17E-04	0.00E+00	5.93E-05	8.67E-05	0.00E+00
855	440731.9	3768099	0.000715	0.000872	0.00E+00	8.06E-04	1.27E-03	0.00E+00	1.35E-04	2.16E-04	0.00E+00	5.91E-05	8.66E-05	0.00E+00
856	440735.7	3768090	0.000714	0.00087	0.00E+00	8.05E-04	1.26E-03	0.00E+00	1.35E-04	2.16E-04	0.00E+00	5.90E-05	8.64E-05	0.00E+00
857	440739.5	3768081	0.000712	0.000869	0.00E+00	8.03E-04	1.26E-03	0.00E+00	1.35E-04	2.15E-04	0.00E+00	5.89E-05	8.62E-05	0.00E+00
858	440743.3	3768072	0.000711	0.000867	0.00E+00	8.01E-04	1.26E-03	0.00E+00	1.34E-04	2.15E-04	0.00E+00	5.88E-05	8.60E-05	0.00E+00
859	440747.1	3768063	0.000709	0.000864	0.00E+00	7.99E-04	1.26E-03	0.00E+00	1.34E-04	2.14E-04	0.00E+00	5.86E-05	8.58E-05	0.00E+00
860	440758.5	3768035	0.000699	0.000852	0.00E+00	7.88E-04	1.24E-03	0.00E+00	1.32E-04	2.11E-04	0.00E+00	5.78E-05	8.46E-05	0.00E+00
861	440762.3	3768026	0.000694	0.000846	0.00E+00	7.83E-04	1.23E-03	0.00E+00	1.31E-04	2.10E-04	0.00E+00	5.74E-05	8.40E-05	0.00E+00
862	440766.1	3768017	0.000689	0.00084	0.00E+00	7.77E-04	1.22E-03	0.00E+00	1.30E-04	2.08E-04	0.00E+00	5.70E-05	8.34E-05	0.00E+00
863	440769.9	3768008	0.000684	0.000834	0.00E+00	7.71E-04	1.21E-03	0.00E+00	1.29E-04	2.07E-04	0.00E+00	5.65E-05	8.28E-05	0.00E+00
864	440796.5	3767945	0.00064	0.00078	0.00E+00	7.21E-04	1.13E-03	0.00E+00	1.21E-04	1.93E-04	0.00E+00	5.29E-05	7.74E-05	0.00E+00
865	440616	3768279	0.000619	0.000755	0.00E+00	6.98E-04	1.10E-03	0.00E+00	1.17E-04	1.87E-04	0.00E+00	5.12E-05	7.49E-05	0.00E+00
866	440619.8	3768270	0.000623	0.00076	0.00E+00	7.03E-04	1.10E-03	0.00E+00	1.18E-04	1.88E-04	0.00E+00	5.15E-05	7.54E-05	0.00E+00
867	440623.6	3768261	0.000629	0.000767	0.00E+00	7.09E-04	1.11E-03	0.00E+00	1.19E-04	1.90E-04	0.00E+00	5.20E-05	7.61E-05	0.00E+00
868	440627.4	3768252	0.000634	0.000773	0.00E+00	7.15E-04	1.12E-03	0.00E+00	1.20E-04	1.92E-04	0.00E+00	5.24E-05	7.67E-05	0.00E+00
869	440631.3	3768243	0.000639	0.000779	0.00E+00	7.20E-04	1.13E-03	0.00E+00	1.21E-04	1.93E-04	0.00E+00	5.28E-05	7.74E-05	0.00E+00
870	440635.1	3768234	0.000643	0.000784	0.00E+00	7.25E-04	1.14E-03	0.00E+00	1.22E-04	1.94E-04	0.00E+00	5.32E-05	7.78E-05	0.00E+00
871	440638.9	3768225	0.000647	0.000788	0.00E+00	7.29E-04	1.15E-03	0.00E+00	1.22E-04	1.95E-04	0.00E+00	5.35E-05	7.83E-05	0.00E+00
872	440642.7	3768215	0.00065	0.000792	0.00E+00	7.32E-04	1.15E-03	0.00E+00	1.23E-04	1.96E-04	0.00E+00	5.37E-05	7.86E-05	0.00E+00
873	440646.5	3768206	0.000652	0.000795	0.00E+00	7.35E-04	1.16E-03	0.00E+00	1.23E-04	1.97E-04	0.00E+00	5.39E-05	7.89E-05	0.00E+00
874	440650.3	3768197	0.000655	0.000798	0.00E+00	7.38E-04	1.16E-03	0.00E+00	1.24E-04	1.98E-04	0.00E+00	5.41E-05	7.92E-05	0.00E+00
875	440654.1	3768188	0.000657	0.000801	0.00E+00	7.40E-04	1.16E-03	0.00E+00	1.24E-04	1.98E-04	0.00E+00	5.43E-05	7.95E-05	0.00E+00
876	440657.9	3768179	0.000659	0.000803	0.00E+00	7.42E-04	1.17E-03	0.00E+00	1.24E-04	1.99E-04	0.00E+00	5.45E-05	7.97E-05	0.00E+00
877	440665.5	3768161	0.000661	0.000806	0.00E+00	7.45E-04	1.17E-03	0.00E+00	1.25E-04	2.00E-04	0.00E+00	5.47E-05	8.00E-05	0.00E+00
878	440669.3	3768152	0.000662	0.000807	0.00E+00	7.46E-04	1.17E-03	0.00E+00	1.25E-04	2.00E-04	0.00E+00	5.48E-05	8.01E-05	0.00E+00
879	440673.1	3768143	0.000664	0.000809	0.00E+00	7.48E-04	1.18E-03	0.00E+00	1.25E-04	2.01E-04	0.00E+00	5.49E-05	8.03E-05	0.00E+00
880	440676.9	3768134	0.000665	0.000811	0.00E+00	7.50E-04	1.18E-03	0.00E+00	1.26E-04	2.01E-04	0.00E+00	5.50E-05	8.05E-05	0.00E+00
881	440680.8	3768125	0.000666	0.000812	0.00E+00	7.51E-04	1.18E-03	0.00E+00	1.26E-04	2.01E-04	0.00E+00	5.51E-05	8.06E-05	0.00E+00
882	440684.6	3768116	0.000667	0.000813	0.00E+00	7.52E-04	1.18E-03	0.00E+00	1.26E-04	2.01E-04	0.00E+00	5.51E-05	8.07E-05	0.00E+00
883	440688.4	3768107	0.000667	0.000813	0.00E+00	7.52E-04	1.18E-03	0.00E+00	1.26E-04	2.02E-04	0.00E+00	5.52E-05	8.08E-05	0.00E+00
884	440692.2	3768098	0.000667	0.000814	0.00E+00	7.52E-04	1.18E-03	0.00E+00	1.26E-04	2.02E-04	0.00E+00	5.52E-05	8.08E-05	0.00E+00
885	440696	3768089	0.000667	0.000813	0.00E+00	7.52E-04	1.18E-03	0.00E+00	1.26E-04	2.02E-04	0.00E+00	5.52E-05	8.07E-05	0.00E+00
886	440699.8	3768080	0.000667	0.000813	0.00E+00	7.51E-04	1.18E-03	0.00E+00	1.26E-04	2.01E-04	0.00E+00	5.51E-05	8.07E-05	0.00E+00
887	440703.6	3768071	0.000666	0.000812	0.00E+00	7.50E-04	1.18E-03	0.00E+00	1.26E-04	2.01E-04	0.00E+00	5.50E-05	8.06E-05	0.00E+00
888	440707.4	3768062	0.000665	0.00081	0.00E+00	7.49E-04	1.18E-03	0.00E+00	1.26E-04	2.01E-04	0.00E+00	5.49E-05	8.04E-05	0.00E+00
889	440715	3768043	0.000661	0.000806	0.00E+00	7.45E-04	1.17E-03	0.00E+00	1.25E-04	2.00E-04	0.00E+00	5.47E-05	8.00E-05	0.00E+00
890	440718.8	3768034	0.000659	0.000803	0.00E+00	7.43E-04	1.17E-03	0.00E+00	1.25E-04	1.99E-04	0.00E+00	5.45E-05	7.98E-05	0.00E+00
891	440722.6	3768025	0.000656	0.0008	0.00E+00	7.40E-04	1.16E-03	0.00E+00	1.24E-04	1.98E-04	0.00E+00	5.43E-05	7.94E-05	0.00E+00
892	440726.4	3768016	0.000653	0.000796	0.00E+00	7.36E-04	1.16E-03	0.00E+00	1.23E-04	1.97E-04	0.00E+00	5.40E-05	7.90E-05	0.00E+00
893	440730.3	3768007	0.000649	0.000792	0.00E+00	7.32E-04	1.15E-03	0.00E+00	1.23E-04	1.96E-04	0.00E+00	5.37E-05	7.86E-05	0.00E+00
894	441356.9	3768371	0.00276	0.003365	0.00E+00	3.11E-03	4.89E-03	0.00E+00	5.22E-04	8.34E-04	0.00E+00	2.28E-04	3.34E-04	0.00E+00
895	441298.5	3768372	0.002965	0.003614	0.00E+00	3.34E-03	5.25E-03	0.00E+00	5.61E-04	8.96E-04	0.00E+00	2.45E-04	3.59E-04	0.00E+00
896	441356.7	3768331	0.002191	0.002671	0.00E+00	2.47E-03	3.88E-03	0.00E+00	4.14E-04	6.62E-04	0.00E+00	1.81E-04	2.65E-04	0.00E+00
897	441298	3768272	0.001757	0.002142	0.00E+00	1.98E-03	3.11E-03	0.00E+00	3.32E-04	5.31E-04	0.00E+00	1.45E-04	2.13E-04	0.00E+00
898	441288.3	3768272	0.001778	0.002168	0.00E+00	2.00E-03	3.15E-03	0.00E+00	3.36E-04	5.37E-04	0.00E+00	1.47E-04	2.15E-04	0.00E+00
899	441278.5	3768272	0.001797	0.002191	0.00E+00	2.03E-03	3.18E-03	0.00E+00	3.40E-04	5.43E-04	0.00E+00	1.49E-04	2.18E-04	0.00E+00
900	441268.8	3768272	0.001815	0.002212	0.00E+00	2.05E-03	3.22E-03	0.00E+00	3.43E-04	5.48E-04	0.00E+00	1.50E-04	2.20E-04	0.00E+00
901	441259.1	3768272	0.001835	0.002237	0.00E+00	2.07E-03	3.25E-03	0.00E+00	3.47E-04	5.54E-04	0.00E+00	1.52E-04	2.22E-04	0.00E+00
902	441384.4	3768235	0.001284	0.001565	0.00E+00	1.45E-03	2.27E-03	0.00E+00	2.43E-04	3.88E-04	0.00E+00	1.06E-04	1.55E-04	0.00E+00
903	441375.7	3768231	0.001284	0.001565	0.00E+00	1.45E-03	2.27E-03	0.00E+00	2.43E-04	3.88E-04	0.00E+00	1.06E-04	1.55E-04	0.00E+00
904	441365.9	3768231	0.001306	0.001592	0.00E+00	1.47E-03	2.31E-03	0.00E+00	2.47E-04	3.95E-04	0.00E+00	1.08E-04	1.58E-04	0.00E+00
905	441356.2	3768231	0.001329	0.001621	0.00E+00	1.50E-03	2.36E-03	0.00E+00	2.51E-04	4.02E-04	0.00E+00	1.10E-04	1.61E-04	0.00E+00
906	441297.8	3768232	0.001483	0.001808	0.00E+00	1.67E-03	2.63E-03	0.00E+00	2.80E-04	4.48E-04	0.00E+00	1.23E-04	1.79E-04	0.00E+00
907	441288.1	3768232	0.001507	0.001837	0.00E+00	1.70E-03	2.67E-03	0.00E+00	2.85E-04	4.55E-04	0.00E+00	1.25E-04	1.82E-04	0.00E+00

908	441278.4	3768232	0.00153	0.001865	0.00E+00	1.72E-03	2.71E-03	0.00E+00	2.89E-04	4.62E-04	0.00E+00	1.26E-04	1.85E-04	0.00E+00
909	441268.6	3768232	0.00155	0.00189	0.00E+00	1.75E-03	2.75E-03	0.00E+00	2.93E-04	4.68E-04	0.00E+00	1.28E-04	1.88E-04	0.00E+00
910	441258.9	3768232	0.001565	0.001908	0.00E+00	1.76E-03	2.77E-03	0.00E+00	2.96E-04	4.73E-04	0.00E+00	1.29E-04	1.89E-04	0.00E+00
911	441384.3	3768195	0.001093	0.001333	0.00E+00	1.23E-03	1.94E-03	0.00E+00	2.07E-04	3.30E-04	0.00E+00	9.04E-05	1.32E-04	0.00E+00
912	441375.5	3768191	0.001095	0.001335	0.00E+00	1.23E-03	1.94E-03	0.00E+00	2.07E-04	3.31E-04	0.00E+00	9.06E-05	1.33E-04	0.00E+00
913	441365.8	3768191	0.001113	0.001357	0.00E+00	1.25E-03	1.97E-03	0.00E+00	2.10E-04	3.36E-04	0.00E+00	9.20E-05	1.35E-04	0.00E+00
914	441356	3768191	0.001132	0.001379	0.00E+00	1.28E-03	2.01E-03	0.00E+00	2.14E-04	3.42E-04	0.00E+00	9.36E-05	1.37E-04	0.00E+00
915	441297.6	3768192	0.001262	0.001539	0.00E+00	1.42E-03	2.24E-03	0.00E+00	2.39E-04	3.81E-04	0.00E+00	1.04E-04	1.53E-04	0.00E+00
916	441287.9	3768192	0.001285	0.001567	0.00E+00	1.45E-03	2.28E-03	0.00E+00	2.43E-04	3.88E-04	0.00E+00	1.06E-04	1.56E-04	0.00E+00
917	441278.2	3768192	0.001307	0.001594	0.00E+00	1.47E-03	2.32E-03	0.00E+00	2.47E-04	3.95E-04	0.00E+00	1.08E-04	1.58E-04	0.00E+00
918	441268.4	3768192	0.001328	0.001619	0.00E+00	1.50E-03	2.35E-03	0.00E+00	2.51E-04	4.01E-04	0.00E+00	1.10E-04	1.61E-04	0.00E+00
919	441258.7	3768192	0.001346	0.00164	0.00E+00	1.52E-03	2.38E-03	0.00E+00	2.54E-04	4.07E-04	0.00E+00	1.11E-04	1.63E-04	0.00E+00
920	441384.2	3768155	0.00094	0.001146	0.00E+00	1.06E-03	1.67E-03	0.00E+00	1.78E-04	2.84E-04	0.00E+00	7.77E-05	1.14E-04	0.00E+00
921	441375.3	3768151	0.000942	0.001149	0.00E+00	1.06E-03	1.67E-03	0.00E+00	1.78E-04	2.85E-04	0.00E+00	7.79E-05	1.14E-04	0.00E+00
922	441365.6	3768151	0.000959	0.001169	0.00E+00	1.08E-03	1.70E-03	0.00E+00	1.81E-04	2.90E-04	0.00E+00	7.93E-05	1.16E-04	0.00E+00
923	441355.8	3768151	0.000975	0.001188	0.00E+00	1.10E-03	1.73E-03	0.00E+00	1.84E-04	2.94E-04	0.00E+00	8.06E-05	1.18E-04	0.00E+00
924	441297.5	3768152	0.001074	0.00131	0.00E+00	1.21E-03	1.90E-03	0.00E+00	2.03E-04	3.25E-04	0.00E+00	8.88E-05	1.30E-04	0.00E+00
925	441287.7	3768152	0.001097	0.001337	0.00E+00	1.24E-03	1.94E-03	0.00E+00	2.07E-04	3.31E-04	0.00E+00	9.07E-05	1.33E-04	0.00E+00
926	441278	3768152	0.001119	0.001364	0.00E+00	1.26E-03	1.98E-03	0.00E+00	2.12E-04	3.38E-04	0.00E+00	9.25E-05	1.35E-04	0.00E+00
927	441268.3	3768152	0.00114	0.00139	0.00E+00	1.28E-03	2.02E-03	0.00E+00	2.15E-04	3.44E-04	0.00E+00	9.42E-05	1.38E-04	0.00E+00
928	441258.5	3768152	0.00116	0.001414	0.00E+00	1.31E-03	2.06E-03	0.00E+00	2.19E-04	3.50E-04	0.00E+00	9.59E-05	1.40E-04	0.00E+00
929	441384.1	3768115	0.000815	0.000994	0.00E+00	9.19E-04	1.44E-03	0.00E+00	1.54E-04	2.46E-04	0.00E+00	6.74E-05	9.87E-05	0.00E+00
930	441375.1	3768111	0.000821	0.001001	0.00E+00	9.25E-04	1.45E-03	0.00E+00	1.55E-04	2.48E-04	0.00E+00	6.79E-05	9.93E-05	0.00E+00
931	441365.4	3768111	0.000836	0.001019	0.00E+00	9.42E-04	1.48E-03	0.00E+00	1.58E-04	2.53E-04	0.00E+00	6.91E-05	1.01E-04	0.00E+00
932	441355.7	3768111	0.000851	0.001038	0.00E+00	9.59E-04	1.51E-03	0.00E+00	1.61E-04	2.57E-04	0.00E+00	7.04E-05	1.03E-04	0.00E+00
933	441297.3	3768112	0.00094	0.001146	0.00E+00	1.06E-03	1.67E-03	0.00E+00	1.78E-04	2.84E-04	0.00E+00	7.77E-05	1.14E-04	0.00E+00
934	441287.5	3768112	0.000958	0.001167	0.00E+00	1.08E-03	1.70E-03	0.00E+00	1.81E-04	2.89E-04	0.00E+00	7.92E-05	1.16E-04	0.00E+00
935	441277.8	3768112	0.000975	0.001188	0.00E+00	1.10E-03	1.73E-03	0.00E+00	1.84E-04	2.94E-04	0.00E+00	8.06E-05	1.18E-04	0.00E+00
936	441268.1	3768112	0.000991	0.001209	0.00E+00	1.12E-03	1.76E-03	0.00E+00	1.87E-04	2.99E-04	0.00E+00	8.20E-05	1.20E-04	0.00E+00
937	441258.3	3768112	0.001007	0.001228	0.00E+00	1.13E-03	1.78E-03	0.00E+00	1.90E-04	3.04E-04	0.00E+00	8.33E-05	1.22E-04	0.00E+00
938	441383.7	3768075	0.000734	0.000895	0.00E+00	8.27E-04	1.30E-03	0.00E+00	1.39E-04	2.22E-04	0.00E+00	6.07E-05	8.88E-05	0.00E+00
939	441374.9	3768071	0.000738	0.0009	0.00E+00	8.32E-04	1.31E-03	0.00E+00	1.40E-04	2.23E-04	0.00E+00	6.10E-05	8.94E-05	0.00E+00
940	441365.2	3768071	0.00075	0.000914	0.00E+00	8.45E-04	1.33E-03	0.00E+00	1.42E-04	2.27E-04	0.00E+00	6.20E-05	9.08E-05	0.00E+00
941	441355.5	3768071	0.000762	0.000928	0.00E+00	8.58E-04	1.35E-03	0.00E+00	1.44E-04	2.30E-04	0.00E+00	6.30E-05	9.22E-05	0.00E+00
942	441297.1	3768072	0.000832	0.001014	0.00E+00	9.37E-04	1.47E-03	0.00E+00	1.57E-04	2.51E-04	0.00E+00	6.88E-05	1.01E-04	0.00E+00
943	441287.4	3768072	0.000849	0.001035	0.00E+00	9.57E-04	1.50E-03	0.00E+00	1.60E-04	2.56E-04	0.00E+00	7.02E-05	1.03E-04	0.00E+00
944	441277.6	3768072	0.000866	0.001055	0.00E+00	9.76E-04	1.53E-03	0.00E+00	1.64E-04	2.62E-04	0.00E+00	7.16E-05	1.05E-04	0.00E+00
945	441267.9	3768072	0.000881	0.001074	0.00E+00	9.93E-04	1.56E-03	0.00E+00	1.67E-04	2.66E-04	0.00E+00	7.29E-05	1.07E-04	0.00E+00
946	441258.2	3768072	0.000894	0.001089	0.00E+00	1.01E-03	1.58E-03	0.00E+00	1.69E-04	2.70E-04	0.00E+00	7.39E-05	1.08E-04	0.00E+00
947	441262	3768392	0.003427	0.004177	0.00E+00	3.86E-03	6.07E-03	0.00E+00	6.48E-04	1.04E-03	0.00E+00	2.83E-04	4.15E-04	0.00E+00
948	441253.7	3768372	0.003068	0.003741	0.00E+00	3.46E-03	5.44E-03	0.00E+00	5.80E-04	9.27E-04	0.00E+00	2.54E-04	3.71E-04	0.00E+00
949	441253.8	3768352	0.002757	0.003361	0.00E+00	3.11E-03	4.89E-03	0.00E+00	5.21E-04	8.33E-04	0.00E+00	2.28E-04	3.34E-04	0.00E+00
950	441253.9	3768332	0.002477	0.00302	0.00E+00	2.79E-03	4.39E-03	0.00E+00	4.68E-04	7.48E-04	0.00E+00	2.05E-04	3.00E-04	0.00E+00
951	441254.1	3768312	0.002238	0.002728	0.00E+00	2.52E-03	3.97E-03	0.00E+00	4.23E-04	6.76E-04	0.00E+00	1.85E-04	2.71E-04	0.00E+00
952	441172.8	3768782	0.003696	0.004506	0.00E+00	4.17E-03	6.55E-03	0.00E+00	6.99E-04	1.12E-03	0.00E+00	3.06E-04	4.47E-04	0.00E+00
953	441172.8	3768792	0.003396	0.00414	0.00E+00	3.83E-03	6.02E-03	0.00E+00	6.42E-04	1.03E-03	0.00E+00	2.81E-04	4.11E-04	0.00E+00
954	441152.8	3768782	0.003121	0.003805	0.00E+00	3.52E-03	5.53E-03	0.00E+00	5.90E-04	9.43E-04	0.00E+00	2.58E-04	3.78E-04	0.00E+00
955	441152.8	3768792	0.002903	0.003539	0.00E+00	3.27E-03	5.14E-03	0.00E+00	5.49E-04	8.77E-04	0.00E+00	2.40E-04	3.51E-04	0.00E+00
956	441132.8	3768782	0.00269	0.003279	0.00E+00	3.03E-03	4.77E-03	0.00E+00	5.09E-04	8.13E-04	0.00E+00	2.22E-04	3.26E-04	0.00E+00
957	441132.8	3768792	0.002522	0.003075	0.00E+00	2.84E-03	4.47E-03	0.00E+00	4.77E-04	7.62E-04	0.00E+00	2.09E-04	3.05E-04	0.00E+00
958	441112.8	3768782	0.002354	0.002869	0.00E+00	2.65E-03	4.17E-03	0.00E+00	4.45E-04	7.11E-04	0.00E+00	1.95E-04	2.85E-04	0.00E+00
959	441112.8	3768792	0.002221	0.002708	0.00E+00	2.50E-03	3.94E-03	0.00E+00	4.20E-04	6.71E-04	0.00E+00	1.84E-04	2.69E-04	0.00E+00
960	441092.8	3768782	0.002084	0.002541	0.00E+00	2.35E-03	3.69E-03	0.00E+00	3.94E-04	6.30E-04	0.00E+00	1.72E-04	2.52E-04	0.00E+00
961	441092.8	3768792	0.001977	0.00241	0.00E+00	2.23E-03	3.50E-03	0.00E+00	3.74E-04	5.97E-04	0.00E+00	1.63E-04	2.39E-04	0.00E+00
962	441120	3768466	0.00349	0.004254	0.00E+00	3.93E-03	6.18E-03	0.00E+00	6.60E-04	1.05E-03	0.00E+00	2.89E-04	4.22E-04	0.00E+00
963	441128.9	3768463	0.003581	0.004365	0.00E+00	4.04E-03	6.35E-03	0.00E+00	6.77E-04	1.08E-03	0.00E+00	2.96E-04	4.33E-04	0.00E+00
964	441095.1	3768417	0.002701	0.003293	0.00E+00	3.04E-03	4.79E-03	0.00E+00	5.11E-04	8.16E-04	0.00E+00	2.23E-04	3.27E-04	0.00E+00
965	441104	3768413	0.002743	0.003344	0.00E+00	3.09E-03	4.86E-03	0.00E+00	5.19E-04	8.29E-04	0.00E+00	2.27E-04	3.32E-04	0.00E+00
966	441112.8	3768410	0.002781	0.00339	0.00E+00	3.13E-03	4.93E-03	0.00E+00	5.26E-04	8.40E-04	0.00E+00	2.30E-04	3.37E-04	0.00E+00
967	441156.8	3768392	0.00295	0.003596	0.00E+00	3.33E-03	5.23E-03	0.00E+00	5.58E-04	8.91E-04	0.00E+00	2.44E-04	3.57E-04	0.00E+00
968	441209.7	3768370	0.002946	0.003591	0.00E+00	3.32E-03	5.22E-03	0.00E+00	5.57E-04	8.90E-04	0.00E+00	2.44E-04	3.57E-04	0.00E+00
969	441236.2	3768359	0.00286	0.003487	0.00E+00	3.22E-03	5.07E-03	0.00E+00	5.41E-04	8.64E-04	0.00E+00	2.36E-04	3.46E-04	0.00E+00
970	441013.4	3768513	0.002287	0.002788	0.00E+00	2.58E-03	4.05E-03	0.00E+00	4.32E-04	6.91E-04	0.00E+00	1.89E-04	2.77E-04	0.00E+00
971	441017.2	3768504	0.002317	0.002825	0.00E+00	2.61E-03	4.11E-03	0.00E+00	4.38E-04	7.00E-04	0.00E+00	1.92E-04	2.80E-04	0.00E+00
972	441063.6	3768410	0.002387	0.00291	0.00E+00	2.69E-03	4.23E-03	0.00E+00	4.51E-04	7.21E-04	0.00E+00	1.97E-04	2.89E-04	0.00E+00
973	441072.7	3768406	0.002438	0.002972	0.00E+00	2.75E-03	4.32E-03	0.00E+00	4.61E-04	7.37E-04	0.00E+00	2.02E-04	2.95E-04	0.00E+00
974	441099.9	3768395	0.00256	0.00312	0.00E+00	2.89E-03	4.54E-03	0.00E+00	4.84E-04	7.73E-04	0.00E+00	2.12E-04	3.10E-04	0.00E+00
975	441108.9	3768391	0.002589	0.003157	0.00E+00	2.92E-03	4.59E-03	0.00E+00	4.90E-04	7.82E-04	0.00E+00	2.14E-04	3.13E-04	0.00E+00
976	441118	3768387	0.002616	0.003189	0.00E+00	2.95E-03	4.64E-03	0.00E+00	4.95E-04	7.90E-04	0.00E+00	2.16E-04	3.17E-04	0.00E+00
977	441154.3	3768373	0.002713	0.003307	0.00E+00	3.06E-03	4.81E-03	0.00E+00	5.13E-04	8.20E-04	0.00E+00	2.24E-04	3.28E-04	0.00E+00
978	441163.3	3768369	0.00272	0.003316	0.00E+00	3.07E-03	4.82E-03	0.00E+00	5.14E-04	8.22E-04	0.00E+00	2.25E-04	3.29E-04	0.00E+00
979	441217.7	3768347	0.00265	0.003231	0.00E+00	2.99E-03	4.70E-03	0.00E+00	5.01E-04	8.01E-04	0.00E+00	2.19E-04	3.21E-04	0.00E+00
980	441226.7	3768343	0.002618	0.003191	0.00E+00	2.95E-03	4.64E-03	0.00E+00	4.95E-04	7.91E-04	0.00E+00	2.16E-04	3.17E-04	0.00E+00
981	441067.1	3768388	0.002295	0.002798	0.00E+00	2.59E-03	4.07E-03	0.00E+00	4.34E-04	6.93E-04	0.00E+00	1.90E-04	2.78E-04	0.00E+00
982	441076	3768385	0.002333	0.002844	0.00E+00	2.63E-03	4.13E-03	0.00E+00	4.41E-04	7.05E-04	0.00E+00	1.93E-04	2.82E-04	0.00E+00
983	441111.6	3768370	0.002442	0.002977	0.00E+00	2.75E-03	4.33E-03	0.00E+00	4.62E-04	7.38E-04	0.00E+00	2.02E-04	2.95E-04	0.00E+00
984	441120.5	3768366	0.002459	0.002998	0.00E+00	2.77E-03	4.36E-03	0.00E+00	4.65E-04	7.43E-04	0.00E+00	2.03E-04	2.98E-04	0.00E+00
985	441129.4	3768363	0.002479	0.003022	0.00E+00	2.79E-03	4.39E-03	0.00E+00	4.69E-04	7.49E-04	0.00E+00	2.05E-04	3.00E-04	0.00E+00
986	441165.1	3768348	0.002494	0.00304	0.00E+00	2.81E-03	4.42E-03	0.00E+00	4.71E-04	7.53E-04	0.00E+00	2.06E-04	3.02E-04	0.00E+00
987	441174	3768345	0.002485	0.00303	0.00E+00	2.80E-03	4.40E-03	0.00E+00	4.70E-04	7.51E-04	0.00E+00	2.05E-04	3.01E-04	0.00E+00
988	441209.6	3768330	0.002429	0.002961	0.00E+00	2.74E-03	4.30E-03	0.00E+00	4.59E-04	7.34E-04	0.00E+00	2.01E-04	2.94E-04	0.00E+00
989	441218.5	3768326	0.002402	0.002928	0.00E+00	2.71E-03	4.26E-03	0.00E+00	4.54E-04	7.26E-04	0.00E+00	1.99E-04	2.91E-04	0.00E+00
990	441227.4	3768323	0.002372	0.002891	0.00E+00	2.67E-03	4.20E-03	0.00E+00	4.48E-04	7.16E-04	0.00E+00	1.96E-04	2.87E-04	0.00E+00
991	441039.1	3768360	0.002014	0.002455	0.00E+00	2.27E-03	3.57E-03	0.00E+00	3.81E-04	6.08E-04	0.00E+00	1.66E-04	2.44E-04	0.00E+00
992	441048.1	3768356	0.002042	0.00249	0.00E+00	2.30E-03	3.62E-03	0.00E+00	3.86E-04	6.17E-04	0.00E+00	1.69E-04	2.47E-04	0.00E+00
993	441083.9	3768342	0.002129	0.002595	0.00E+00	2.40E-03	3.77E-03	0.00E+00	4.02E-04	6.43E-04	0.00E+00	1.76E-04	2.58E-04	0.00E+00
994	441092.9	3768338	0.002142	0.002612	0.00E+00	2.41E-03	3.80E-03	0.00E+00	4.05E-04	6.47E-04	0.00E+00	1.77E-04	2.59E-04	0.00E+00
995	441101.9	3768334	0.002153	0.002624	0.00E+00	2.43E-03	3.81E-03	0.00E+00	4.07E-04	6.50E-04	0.00E+00	1.78E-04	2.61E-04	0.00E+00
996	441128.8	3768323	0.002154	0.002626	0.00E+00	2.43E-03	3.82E-03	0.00E+00	4.07E-04	6.51E-04	0.00E+00	1.78E-04	2.61E-04	0.00E+00
997	441137.7	3768320	0.002145	0.002615	0.00E+00	2.42E-03	3.80E-03	0.00E+00	4.05E-04	6.48E-04	0.00E+00	1.77E-04	2.60E-04	0.00E+00
998	441182.6	3768301	0.002084	0.002541	0.00E+00	2.35E-03	3.69E-03	0.00E+00	3.94E-04	6.30E-04	0.00E+00	1.72E-04	2.52E-04	0.00E+00

999	441191.5	3768298	0.002072	0.002526	0.00E+00	2.34E-03	3.67E-03	0.00E+00	3.92E-04	6.26E-04	0.00E+00	1.71E-04	2.51E-04	0.00E+00
1000	441200.5	3768294	0.002055	0.002506	0.00E+00	2.32E-03	3.64E-03	0.00E+00	3.89E-04	6.21E-04	0.00E+00	1.70E-04	2.49E-04	0.00E+00
1001	441002	3768335	0.001738	0.002119	0.00E+00	1.96E-03	3.08E-03	0.00E+00	3.29E-04	5.25E-04	0.00E+00	1.44E-04	2.10E-04	0.00E+00
1002	441011	3768332	0.00177	0.002158	0.00E+00	2.00E-03	3.14E-03	0.00E+00	3.35E-04	5.35E-04	0.00E+00	1.46E-04	2.14E-04	0.00E+00
1003	441020	3768328	0.0018	0.002195	0.00E+00	2.03E-03	3.19E-03	0.00E+00	3.40E-04	5.44E-04	0.00E+00	1.49E-04	2.18E-04	0.00E+00
1004	441056.1	3768313	0.001884	0.002296	0.00E+00	2.12E-03	3.34E-03	0.00E+00	3.56E-04	5.69E-04	0.00E+00	1.56E-04	2.28E-04	0.00E+00
1005	441065.1	3768309	0.001896	0.002311	0.00E+00	2.14E-03	3.36E-03	0.00E+00	3.58E-04	5.73E-04	0.00E+00	1.57E-04	2.29E-04	0.00E+00
1006	441074.2	3768306	0.001903	0.00232	0.00E+00	2.15E-03	3.37E-03	0.00E+00	3.60E-04	5.75E-04	0.00E+00	1.57E-04	2.30E-04	0.00E+00
1007	441101.2	3768295	0.001905	0.002323	0.00E+00	2.15E-03	3.38E-03	0.00E+00	3.60E-04	5.76E-04	0.00E+00	1.58E-04	2.31E-04	0.00E+00
1008	441155.3	3768272	0.001833	0.002234	0.00E+00	2.07E-03	3.25E-03	0.00E+00	3.46E-04	5.54E-04	0.00E+00	1.52E-04	2.22E-04	0.00E+00
1009	441164.3	3768269	0.001822	0.002221	0.00E+00	2.05E-03	3.23E-03	0.00E+00	3.44E-04	5.50E-04	0.00E+00	1.51E-04	2.21E-04	0.00E+00
1010	441173.4	3768265	0.00181	0.002206	0.00E+00	2.04E-03	3.21E-03	0.00E+00	3.42E-04	5.47E-04	0.00E+00	1.50E-04	2.19E-04	0.00E+00
1011	441182.4	3768261	0.001795	0.002188	0.00E+00	2.02E-03	3.18E-03	0.00E+00	3.39E-04	5.42E-04	0.00E+00	1.48E-04	2.17E-04	0.00E+00
1012	441191.4	3768258	0.001776	0.002165	0.00E+00	2.00E-03	3.15E-03	0.00E+00	3.36E-04	5.36E-04	0.00E+00	1.47E-04	2.15E-04	0.00E+00
1013	441200.4	3768254	0.001753	0.002137	0.00E+00	1.98E-03	3.11E-03	0.00E+00	3.31E-04	5.30E-04	0.00E+00	1.45E-04	2.12E-04	0.00E+00
1014	441209.4	3768250	0.001728	0.002106	0.00E+00	1.95E-03	3.06E-03	0.00E+00	3.27E-04	5.22E-04	0.00E+00	1.43E-04	2.09E-04	0.00E+00
1015	441218.5	3768247	0.001699	0.002071	0.00E+00	1.91E-03	3.01E-03	0.00E+00	3.21E-04	5.13E-04	0.00E+00	1.40E-04	2.06E-04	0.00E+00
1016	441227.5	3768243	0.001668	0.002033	0.00E+00	1.88E-03	2.96E-03	0.00E+00	3.15E-04	5.04E-04	0.00E+00	1.38E-04	2.02E-04	0.00E+00
1017	440973.8	3768307	0.001534	0.00187	0.00E+00	1.73E-03	2.72E-03	0.00E+00	2.90E-04	4.63E-04	0.00E+00	1.27E-04	1.86E-04	0.00E+00
1018	440982.9	3768303	0.001562	0.001904	0.00E+00	1.76E-03	2.77E-03	0.00E+00	2.95E-04	4.72E-04	0.00E+00	1.29E-04	1.89E-04	0.00E+00
1019	440992	3768299	0.001589	0.001937	0.00E+00	1.79E-03	2.82E-03	0.00E+00	3.00E-04	4.80E-04	0.00E+00	1.31E-04	1.92E-04	0.00E+00
1020	441037.3	3768281	0.001688	0.002058	0.00E+00	1.90E-03	2.99E-03	0.00E+00	3.19E-04	5.10E-04	0.00E+00	1.40E-04	2.04E-04	0.00E+00
1021	441046.3	3768277	0.001699	0.002071	0.00E+00	1.91E-03	3.01E-03	0.00E+00	3.21E-04	5.13E-04	0.00E+00	1.40E-04	2.06E-04	0.00E+00
1022	441073.5	3768266	0.001709	0.002083	0.00E+00	1.93E-03	3.03E-03	0.00E+00	3.23E-04	5.16E-04	0.00E+00	1.41E-04	2.07E-04	0.00E+00
1023	441082.6	3768262	0.001706	0.002079	0.00E+00	1.92E-03	3.02E-03	0.00E+00	3.22E-04	5.15E-04	0.00E+00	1.41E-04	2.06E-04	0.00E+00
1024	441091.7	3768259	0.0017	0.002072	0.00E+00	1.92E-03	3.01E-03	0.00E+00	3.21E-04	5.14E-04	0.00E+00	1.41E-04	2.06E-04	0.00E+00
1025	441127.9	3768244	0.001647	0.002008	0.00E+00	1.86E-03	2.92E-03	0.00E+00	3.11E-04	4.98E-04	0.00E+00	1.36E-04	1.99E-04	0.00E+00
1026	441137	3768240	0.001636	0.001994	0.00E+00	1.84E-03	2.90E-03	0.00E+00	3.09E-04	4.94E-04	0.00E+00	1.35E-04	1.98E-04	0.00E+00
1027	441146	3768236	0.001624	0.00198	0.00E+00	1.83E-03	2.88E-03	0.00E+00	3.07E-04	4.91E-04	0.00E+00	1.34E-04	1.97E-04	0.00E+00
1028	441155.1	3768233	0.001612	0.001965	0.00E+00	1.82E-03	2.86E-03	0.00E+00	3.05E-04	4.87E-04	0.00E+00	1.33E-04	1.95E-04	0.00E+00
1029	441164.1	3768229	0.001599	0.001949	0.00E+00	1.80E-03	2.83E-03	0.00E+00	3.02E-04	4.83E-04	0.00E+00	1.32E-04	1.93E-04	0.00E+00
1030	441173.2	3768225	0.001584	0.001931	0.00E+00	1.79E-03	2.81E-03	0.00E+00	2.99E-04	4.78E-04	0.00E+00	1.31E-04	1.92E-04	0.00E+00
1031	441182.3	3768221	0.001566	0.001909	0.00E+00	1.77E-03	2.78E-03	0.00E+00	2.96E-04	4.73E-04	0.00E+00	1.29E-04	1.90E-04	0.00E+00
1032	441191.3	3768218	0.001544	0.001883	0.00E+00	1.74E-03	2.74E-03	0.00E+00	2.92E-04	4.67E-04	0.00E+00	1.28E-04	1.87E-04	0.00E+00
1033	441200.4	3768214	0.001521	0.001854	0.00E+00	1.71E-03	2.70E-03	0.00E+00	2.88E-04	4.60E-04	0.00E+00	1.26E-04	1.84E-04	0.00E+00
1034	441209.5	3768210	0.001497	0.001824	0.00E+00	1.69E-03	2.65E-03	0.00E+00	2.83E-04	4.52E-04	0.00E+00	1.24E-04	1.81E-04	0.00E+00
1035	441218.5	3768207	0.001471	0.001794	0.00E+00	1.66E-03	2.61E-03	0.00E+00	2.78E-04	4.45E-04	0.00E+00	1.22E-04	1.78E-04	0.00E+00
1036	441227.6	3768203	0.001444	0.001761	0.00E+00	1.63E-03	2.56E-03	0.00E+00	2.73E-04	4.36E-04	0.00E+00	1.19E-04	1.75E-04	0.00E+00
1037	440945.7	3768279	0.001373	0.001674	0.00E+00	1.55E-03	2.43E-03	0.00E+00	2.60E-04	4.15E-04	0.00E+00	1.14E-04	1.66E-04	0.00E+00
1038	440954.8	3768275	0.001391	0.001696	0.00E+00	1.57E-03	2.47E-03	0.00E+00	2.63E-04	4.20E-04	0.00E+00	1.15E-04	1.68E-04	0.00E+00
1039	440963.9	3768271	0.001408	0.001716	0.00E+00	1.59E-03	2.49E-03	0.00E+00	2.66E-04	4.25E-04	0.00E+00	1.16E-04	1.70E-04	0.00E+00
1040	441000.3	3768256	0.001479	0.001803	0.00E+00	1.67E-03	2.62E-03	0.00E+00	2.80E-04	4.47E-04	0.00E+00	1.22E-04	1.79E-04	0.00E+00
1041	441009.4	3768252	0.001495	0.001822	0.00E+00	1.69E-03	2.65E-03	0.00E+00	2.83E-04	4.52E-04	0.00E+00	1.24E-04	1.81E-04	0.00E+00
1042	441018.5	3768249	0.00151	0.00184	0.00E+00	1.70E-03	2.68E-03	0.00E+00	2.85E-04	4.56E-04	0.00E+00	1.25E-04	1.83E-04	0.00E+00
1043	441045.8	3768238	0.001536	0.001872	0.00E+00	1.73E-03	2.72E-03	0.00E+00	2.90E-04	4.64E-04	0.00E+00	1.27E-04	1.86E-04	0.00E+00
1044	441054.8	3768234	0.001539	0.001876	0.00E+00	1.73E-03	2.73E-03	0.00E+00	2.91E-04	4.65E-04	0.00E+00	1.27E-04	1.86E-04	0.00E+00
1045	441063.9	3768230	0.001539	0.001876	0.00E+00	1.73E-03	2.73E-03	0.00E+00	2.91E-04	4.65E-04	0.00E+00	1.27E-04	1.86E-04	0.00E+00
1046	441091.2	3768219	0.00152	0.001853	0.00E+00	1.71E-03	2.69E-03	0.00E+00	2.87E-04	4.59E-04	0.00E+00	1.26E-04	1.84E-04	0.00E+00
1047	441100.3	3768215	0.001508	0.001839	0.00E+00	1.70E-03	2.67E-03	0.00E+00	2.85E-04	4.56E-04	0.00E+00	1.25E-04	1.83E-04	0.00E+00
1048	441109.4	3768211	0.001496	0.001823	0.00E+00	1.69E-03	2.65E-03	0.00E+00	2.83E-04	4.52E-04	0.00E+00	1.24E-04	1.81E-04	0.00E+00
1049	441118.5	3768208	0.001479	0.001803	0.00E+00	1.67E-03	2.62E-03	0.00E+00	2.80E-04	4.47E-04	0.00E+00	1.22E-04	1.79E-04	0.00E+00
1050	441127.6	3768204	0.001463	0.001783	0.00E+00	1.65E-03	2.59E-03	0.00E+00	2.77E-04	4.42E-04	0.00E+00	1.21E-04	1.77E-04	0.00E+00
1051	441136.7	3768200	0.001448	0.001765	0.00E+00	1.63E-03	2.57E-03	0.00E+00	2.74E-04	4.37E-04	0.00E+00	1.20E-04	1.75E-04	0.00E+00
1052	441145.8	3768197	0.001434	0.001749	0.00E+00	1.62E-03	2.54E-03	0.00E+00	2.71E-04	4.33E-04	0.00E+00	1.19E-04	1.74E-04	0.00E+00
1053	441154.9	3768193	0.001422	0.001733	0.00E+00	1.60E-03	2.52E-03	0.00E+00	2.69E-04	4.30E-04	0.00E+00	1.18E-04	1.72E-04	0.00E+00
1054	441164	3768189	0.001409	0.001718	0.00E+00	1.59E-03	2.50E-03	0.00E+00	2.66E-04	4.26E-04	0.00E+00	1.17E-04	1.71E-04	0.00E+00
1055	441173.1	3768185	0.001395	0.001701	0.00E+00	1.57E-03	2.47E-03	0.00E+00	2.64E-04	4.21E-04	0.00E+00	1.15E-04	1.69E-04	0.00E+00
1056	441182.2	3768182	0.001379	0.001681	0.00E+00	1.55E-03	2.44E-03	0.00E+00	2.61E-04	4.17E-04	0.00E+00	1.14E-04	1.67E-04	0.00E+00
1057	441191.3	3768178	0.001358	0.001656	0.00E+00	1.53E-03	2.41E-03	0.00E+00	2.57E-04	4.10E-04	0.00E+00	1.12E-04	1.64E-04	0.00E+00
1058	441200.4	3768174	0.001337	0.00163	0.00E+00	1.51E-03	2.37E-03	0.00E+00	2.53E-04	4.04E-04	0.00E+00	1.11E-04	1.62E-04	0.00E+00
1059	441209.5	3768170	0.001315	0.001603	0.00E+00	1.48E-03	2.33E-03	0.00E+00	2.49E-04	3.97E-04	0.00E+00	1.09E-04	1.59E-04	0.00E+00
1060	441218.6	3768167	0.001288	0.00157	0.00E+00	1.45E-03	2.28E-03	0.00E+00	2.44E-04	3.89E-04	0.00E+00	1.07E-04	1.56E-04	0.00E+00
1061	441227.7	3768163	0.00126	0.001536	0.00E+00	1.42E-03	2.23E-03	0.00E+00	2.38E-04	3.81E-04	0.00E+00	1.04E-04	1.52E-04	0.00E+00
1062	440917.5	3768250	0.001227	0.001496	0.00E+00	1.38E-03	2.17E-03	0.00E+00	2.32E-04	3.71E-04	0.00E+00	1.01E-04	1.49E-04	0.00E+00
1063	440926.6	3768246	0.001243	0.001516	0.00E+00	1.40E-03	2.20E-03	0.00E+00	2.35E-04	3.76E-04	0.00E+00	1.03E-04	1.50E-04	0.00E+00
1064	440935.7	3768243	0.001258	0.001534	0.00E+00	1.42E-03	2.23E-03	0.00E+00	2.38E-04	3.80E-04	0.00E+00	1.04E-04	1.52E-04	0.00E+00
1065	440972.3	3768228	0.001306	0.001592	0.00E+00	1.47E-03	2.31E-03	0.00E+00	2.47E-04	3.95E-04	0.00E+00	1.08E-04	1.58E-04	0.00E+00
1066	440981.4	3768224	0.00132	0.001609	0.00E+00	1.49E-03	2.34E-03	0.00E+00	2.50E-04	3.99E-04	0.00E+00	1.09E-04	1.60E-04	0.00E+00
1067	440990.5	3768220	0.001333	0.001625	0.00E+00	1.50E-03	2.36E-03	0.00E+00	2.52E-04	4.03E-04	0.00E+00	1.10E-04	1.61E-04	0.00E+00
1068	441017.9	3768209	0.001366	0.001666	0.00E+00	1.54E-03	2.42E-03	0.00E+00	2.58E-04	4.13E-04	0.00E+00	1.13E-04	1.65E-04	0.00E+00
1069	441027	3768205	0.001373	0.001674	0.00E+00	1.55E-03	2.43E-03	0.00E+00	2.60E-04	4.15E-04	0.00E+00	1.14E-04	1.66E-04	0.00E+00
1070	441036.2	3768202	0.001376	0.001678	0.00E+00	1.55E-03	2.44E-03	0.00E+00	2.60E-04	4.16E-04	0.00E+00	1.14E-04	1.67E-04	0.00E+00
1071	441063.5	3768190	0.001368	0.001668	0.00E+00	1.54E-03	2.42E-03	0.00E+00	2.59E-04	4.13E-04	0.00E+00	1.13E-04	1.66E-04	0.00E+00
1072	441072.7	3768187	0.001356	0.001653	0.00E+00	1.53E-03	2.40E-03	0.00E+00	2.56E-04	4.10E-04	0.00E+00	1.12E-04	1.64E-04	0.00E+00
1073	441081.8	3768183	0.001341	0.001635	0.00E+00	1.51E-03	2.38E-03	0.00E+00	2.54E-04	4.05E-04	0.00E+00	1.11E-04	1.62E-04	0.00E+00
1074	441090.9	3768179	0.001323	0.001613	0.00E+00	1.49E-03	2.35E-03	0.00E+00	2.50E-04	4.00E-04	0.00E+00	1.09E-04	1.60E-04	0.00E+00
1075	441100.1	3768175	0.001309	0.001595	0.00E+00	1.47E-03	2.32E-03	0.00E+00	2.47E-04	3.95E-04	0.00E+00	1.08E-04	1.58E-04	0.00E+00
1076	441109.2	3768172	0.001293	0.001576	0.00E+00	1.46E-03	2.29E-03	0.00E+00	2.44E-04	3.90E-04	0.00E+00	1.07E-04	1.56E-04	0.00E+00
1077	441118.3	3768168	0.001276	0.001555	0.00E+00	1.44E-03	2.26E-03	0.00E+00	2.41E-04	3.85E-04	0.00E+00	1.05E-04	1.54E-04	0.00E+00
1078	441127.4	3768164	0.001268	0.001546	0.00E+00	1.43E-03	2.25E-03	0.00E+00	2.40E-04	3.83E-04	0.00E+00	1.05E-04	1.53E-04	0.00E+00
1079	441136.6	3768160	0.001263	0.001539	0.00E+00	1.42E-03	2.24E-03	0.00E+00	2.39E-04	3.81E-04	0.00E+00	1.04E-04	1.53E-04	0.00E+00
1080	441145.7	3768157	0.001256	0.001532	0.00E+00	1.42E-03	2.23E-03	0.00E+00	2.38E-04	3.80E-04	0.00E+00	1.04E-04	1.52E-04	0.00E+00
1081	441154.8	3768153	0.001248	0.001522	0.00E+00	1.41E-03	2.21E-03	0.00E+00	2.36E-04	3.77E-04	0.00E+00	1.03E-04	1.51E-04	0.00E+00
1082	441164	3768149	0.001238	0.001509	0.00E+00	1.40E-03	2.19E-03	0.00E+00	2.34E-04	3.74E-04	0.00E+00	1.02E-04	1.50E-04	0.00E+00
1083	441173.1	3768145	0.001226	0.001494	0.00E+00	1.38E-03	2.17E-03	0.00E+00	2.32E-04	3.70E-04	0.00E+00	1.01E-04	1.48E-04	0.00E+00
1084	441182.2	3768142	0.00121	0.001476	0.00E+00	1.36E-03	2.14E-03	0.00E+00	2.29E-04	3.66E-04	0.00E+00	1.00E-04	1.46E-04	0.00E+00
1085	441191.3	3768138	0.001191	0.001452	0.00E+00	1.34E-03	2.11E-03	0.00E+00	2.25E-04	3.60E-04	0.00E+00	9.85E-05	1.44E-04	0.00E+00
1086	441200.5	3768134	0.001171	0.001427	0.00E+00	1.32E-03	2.07E-03	0.00E+00	2.21E-04	3.54E-04	0.00E+00	9.68E-05	1.42E-04	0.00E+00
1087	441209.6	3768130	0.00115	0.001402	0.00E+00	1.30E-03	2.04E-03	0.00E+00	2.17E-04	3.47E-04	0.00E+00	9.51E-05	1.39E-04	0.00E+00
1088	441218.7	3768127	0.001123	0.001369	0.00E+00	1.27E-03	1.99E-03	0.00E+00	2.12E-04	3.39E-04	0.00E+00	9.28E-05	1.36E-04	0.00E+00
1089	440889.3	3768222	0.001103	0.001344	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.33E-04	0.00E+00	9.12E-05	1.33E-04	0.00E+00

1090	440898.5	3768218	0.001115	0.00136	0.00E+00	1.26E-03	1.98E-03	0.00E+00	2.11E-04	3.37E-04	0.00E+00	9.22E-05	1.35E-04	0.00E+00
1091	440907.6	3768214	0.001128	0.001375	0.00E+00	1.27E-03	2.00E-03	0.00E+00	2.13E-04	3.41E-04	0.00E+00	9.32E-05	1.36E-04	0.00E+00
1092	440944.2	3768199	0.001161	0.001416	0.00E+00	1.31E-03	2.06E-03	0.00E+00	2.20E-04	3.51E-04	0.00E+00	9.60E-05	1.41E-04	0.00E+00
1093	440953.4	3768196	0.001172	0.001428	0.00E+00	1.32E-03	2.08E-03	0.00E+00	2.22E-04	3.54E-04	0.00E+00	9.69E-05	1.42E-04	0.00E+00
1094	440962.5	3768192	0.001182	0.001441	0.00E+00	1.33E-03	2.09E-03	0.00E+00	2.23E-04	3.57E-04	0.00E+00	9.77E-05	1.43E-04	0.00E+00
1095	440990	3768181	0.001209	0.001473	0.00E+00	1.36E-03	2.14E-03	0.00E+00	2.28E-04	3.65E-04	0.00E+00	9.99E-05	1.46E-04	0.00E+00
1096	440999.2	3768177	0.001215	0.001482	0.00E+00	1.37E-03	2.15E-03	0.00E+00	2.30E-04	3.67E-04	0.00E+00	1.00E-04	1.47E-04	0.00E+00
1097	441008.3	3768173	0.001222	0.001489	0.00E+00	1.38E-03	2.16E-03	0.00E+00	2.31E-04	3.69E-04	0.00E+00	1.01E-04	1.48E-04	0.00E+00
1098	441035.8	3768162	0.001225	0.001493	0.00E+00	1.38E-03	2.17E-03	0.00E+00	2.32E-04	3.70E-04	0.00E+00	1.01E-04	1.48E-04	0.00E+00
1099	441044.9	3768158	0.001218	0.001485	0.00E+00	1.37E-03	2.16E-03	0.00E+00	2.30E-04	3.68E-04	0.00E+00	1.01E-04	1.47E-04	0.00E+00
1100	441054.1	3768154	0.001209	0.001474	0.00E+00	1.36E-03	2.14E-03	0.00E+00	2.29E-04	3.65E-04	0.00E+00	1.00E-04	1.46E-04	0.00E+00
1101	441063.2	3768151	0.001197	0.001459	0.00E+00	1.35E-03	2.12E-03	0.00E+00	2.26E-04	3.62E-04	0.00E+00	9.90E-05	1.45E-04	0.00E+00
1102	441072.4	3768147	0.001184	0.001444	0.00E+00	1.33E-03	2.10E-03	0.00E+00	2.24E-04	3.58E-04	0.00E+00	9.79E-05	1.43E-04	0.00E+00
1103	441081.5	3768143	0.001172	0.001428	0.00E+00	1.32E-03	2.08E-03	0.00E+00	2.21E-04	3.54E-04	0.00E+00	9.69E-05	1.42E-04	0.00E+00
1104	441090.7	3768139	0.001159	0.001413	0.00E+00	1.31E-03	2.05E-03	0.00E+00	2.19E-04	3.50E-04	0.00E+00	9.58E-05	1.40E-04	0.00E+00
1105	441099.9	3768136	0.001151	0.001403	0.00E+00	1.30E-03	2.04E-03	0.00E+00	2.18E-04	3.48E-04	0.00E+00	9.51E-05	1.39E-04	0.00E+00
1106	441109	3768132	0.001142	0.001392	0.00E+00	1.29E-03	2.02E-03	0.00E+00	2.16E-04	3.45E-04	0.00E+00	9.44E-05	1.38E-04	0.00E+00
1107	441118.2	3768128	0.001132	0.00138	0.00E+00	1.28E-03	2.01E-03	0.00E+00	2.14E-04	3.42E-04	0.00E+00	9.36E-05	1.37E-04	0.00E+00
1108	441127.3	3768124	0.001126	0.001373	0.00E+00	1.27E-03	2.00E-03	0.00E+00	2.13E-04	3.40E-04	0.00E+00	9.31E-05	1.36E-04	0.00E+00
1109	441136.5	3768121	0.00112	0.001366	0.00E+00	1.26E-03	1.99E-03	0.00E+00	2.12E-04	3.38E-04	0.00E+00	9.26E-05	1.36E-04	0.00E+00
1110	441145.6	3768117	0.001111	0.001355	0.00E+00	1.25E-03	1.97E-03	0.00E+00	2.10E-04	3.36E-04	0.00E+00	9.19E-05	1.35E-04	0.00E+00
1111	441154.8	3768113	0.001101	0.001342	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.33E-04	0.00E+00	9.10E-05	1.33E-04	0.00E+00
1112	441163.9	3768109	0.001089	0.001327	0.00E+00	1.23E-03	1.93E-03	0.00E+00	2.06E-04	3.29E-04	0.00E+00	9.00E-05	1.32E-04	0.00E+00
1113	441173.1	3768106	0.001075	0.001311	0.00E+00	1.21E-03	1.91E-03	0.00E+00	2.03E-04	3.25E-04	0.00E+00	8.89E-05	1.30E-04	0.00E+00
1114	441182.2	3768102	0.00106	0.001292	0.00E+00	1.19E-03	1.88E-03	0.00E+00	2.00E-04	3.20E-04	0.00E+00	8.76E-05	1.28E-04	0.00E+00
1115	441191.4	3768098	0.001042	0.001271	0.00E+00	1.17E-03	1.85E-03	0.00E+00	1.97E-04	3.15E-04	0.00E+00	8.62E-05	1.26E-04	0.00E+00
1116	441200.6	3768094	0.001024	0.001249	0.00E+00	1.15E-03	1.82E-03	0.00E+00	1.94E-04	3.09E-04	0.00E+00	8.47E-05	1.24E-04	0.00E+00
1117	441209.7	3768091	0.001006	0.001227	0.00E+00	1.13E-03	1.78E-03	0.00E+00	1.90E-04	3.04E-04	0.00E+00	8.32E-05	1.22E-04	0.00E+00
1118	441246.3	3768076	0.000918	0.001119	0.00E+00	1.03E-03	1.63E-03	0.00E+00	1.74E-04	2.77E-04	0.00E+00	7.59E-05	1.11E-04	0.00E+00
1119	440870.3	3768190	0.001009	0.00123	0.00E+00	1.14E-03	1.79E-03	0.00E+00	1.91E-04	3.05E-04	0.00E+00	8.34E-05	1.22E-04	0.00E+00
1120	440879.5	3768186	0.001016	0.001239	0.00E+00	1.15E-03	1.80E-03	0.00E+00	1.92E-04	3.07E-04	0.00E+00	8.40E-05	1.23E-04	0.00E+00
1121	440916.2	3768171	0.001046	0.001275	0.00E+00	1.18E-03	1.85E-03	0.00E+00	1.98E-04	3.16E-04	0.00E+00	8.65E-05	1.27E-04	0.00E+00
1122	440925.3	3768167	0.001054	0.001285	0.00E+00	1.19E-03	1.87E-03	0.00E+00	1.99E-04	3.18E-04	0.00E+00	8.71E-05	1.28E-04	0.00E+00
1123	440934.5	3768163	0.001062	0.001294	0.00E+00	1.20E-03	1.88E-03	0.00E+00	2.01E-04	3.21E-04	0.00E+00	8.78E-05	1.28E-04	0.00E+00
1124	440962.1	3768152	0.001088	0.001326	0.00E+00	1.23E-03	1.93E-03	0.00E+00	2.06E-04	3.29E-04	0.00E+00	8.99E-05	1.32E-04	0.00E+00
1125	440971.2	3768148	0.001095	0.001335	0.00E+00	1.23E-03	1.94E-03	0.00E+00	2.07E-04	3.31E-04	0.00E+00	9.06E-05	1.33E-04	0.00E+00
1126	440980.4	3768145	0.001101	0.001342	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.33E-04	0.00E+00	9.10E-05	1.33E-04	0.00E+00
1127	441007.9	3768133	0.001108	0.00135	0.00E+00	1.25E-03	1.96E-03	0.00E+00	2.09E-04	3.35E-04	0.00E+00	9.16E-05	1.34E-04	0.00E+00
1128	441017.1	3768130	0.001106	0.001348	0.00E+00	1.25E-03	1.96E-03	0.00E+00	2.09E-04	3.34E-04	0.00E+00	9.14E-05	1.34E-04	0.00E+00
1129	441026.3	3768126	0.001102	0.001343	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.33E-04	0.00E+00	9.11E-05	1.33E-04	0.00E+00
1130	441035.5	3768122	0.001098	0.001338	0.00E+00	1.24E-03	1.95E-03	0.00E+00	2.08E-04	3.32E-04	0.00E+00	9.08E-05	1.33E-04	0.00E+00
1131	441044.6	3768118	0.001094	0.001334	0.00E+00	1.23E-03	1.94E-03	0.00E+00	2.07E-04	3.31E-04	0.00E+00	9.05E-05	1.32E-04	0.00E+00
1132	441053.8	3768115	0.00109	0.001328	0.00E+00	1.23E-03	1.93E-03	0.00E+00	2.06E-04	3.29E-04	0.00E+00	9.01E-05	1.32E-04	0.00E+00
1133	441063	3768111	0.001082	0.00132	0.00E+00	1.22E-03	1.92E-03	0.00E+00	2.05E-04	3.27E-04	0.00E+00	8.95E-05	1.31E-04	0.00E+00
1134	441072.2	3768107	0.001073	0.001308	0.00E+00	1.21E-03	1.90E-03	0.00E+00	2.03E-04	3.24E-04	0.00E+00	8.87E-05	1.30E-04	0.00E+00
1135	441081.4	3768103	0.001064	0.001297	0.00E+00	1.20E-03	1.89E-03	0.00E+00	2.01E-04	3.21E-04	0.00E+00	8.80E-05	1.29E-04	0.00E+00
1136	441090.5	3768099	0.001055	0.001286	0.00E+00	1.19E-03	1.87E-03	0.00E+00	1.99E-04	3.19E-04	0.00E+00	8.72E-05	1.28E-04	0.00E+00
1137	441099.7	3768096	0.001046	0.001275	0.00E+00	1.18E-03	1.85E-03	0.00E+00	1.98E-04	3.16E-04	0.00E+00	8.65E-05	1.27E-04	0.00E+00
1138	441108.9	3768092	0.001036	0.001263	0.00E+00	1.17E-03	1.84E-03	0.00E+00	1.96E-04	3.13E-04	0.00E+00	8.57E-05	1.25E-04	0.00E+00
1139	441118.1	3768088	0.001025	0.001249	0.00E+00	1.16E-03	1.82E-03	0.00E+00	1.94E-04	3.10E-04	0.00E+00	8.47E-05	1.24E-04	0.00E+00
1140	441127.2	3768084	0.001013	0.001235	0.00E+00	1.14E-03	1.79E-03	0.00E+00	1.91E-04	3.06E-04	0.00E+00	8.38E-05	1.23E-04	0.00E+00
1141	441136.4	3768081	0.001001	0.00122	0.00E+00	1.13E-03	1.77E-03	0.00E+00	1.89E-04	3.02E-04	0.00E+00	8.28E-05	1.21E-04	0.00E+00
1142	441145.6	3768077	0.000989	0.001206	0.00E+00	1.11E-03	1.75E-03	0.00E+00	1.87E-04	2.99E-04	0.00E+00	8.18E-05	1.20E-04	0.00E+00
1143	441154.8	3768073	0.000977	0.001191	0.00E+00	1.10E-03	1.73E-03	0.00E+00	1.85E-04	2.95E-04	0.00E+00	8.07E-05	1.18E-04	0.00E+00
1144	441163.9	3768069	0.000963	0.001174	0.00E+00	1.09E-03	1.71E-03	0.00E+00	1.82E-04	2.91E-04	0.00E+00	7.96E-05	1.17E-04	0.00E+00
1145	441173.1	3768066	0.000949	0.001157	0.00E+00	1.07E-03	1.68E-03	0.00E+00	1.79E-04	2.87E-04	0.00E+00	7.85E-05	1.15E-04	0.00E+00
1146	441182.3	3768062	0.000934	0.001139	0.00E+00	1.05E-03	1.66E-03	0.00E+00	1.77E-04	2.82E-04	0.00E+00	7.72E-05	1.13E-04	0.00E+00
1147	441191.5	3768058	0.000918	0.001119	0.00E+00	1.04E-03	1.63E-03	0.00E+00	1.74E-04	2.77E-04	0.00E+00	7.59E-05	1.11E-04	0.00E+00
1148	440842.1	3768161	0.000926	0.001128	0.00E+00	1.04E-03	1.64E-03	0.00E+00	1.75E-04	2.80E-04	0.00E+00	7.65E-05	1.12E-04	0.00E+00
1149	440851.3	3768158	0.000934	0.001138	0.00E+00	1.05E-03	1.65E-03	0.00E+00	1.77E-04	2.82E-04	0.00E+00	7.72E-05	1.13E-04	0.00E+00
1150	440888.1	3768143	0.00096	0.00117	0.00E+00	1.08E-03	1.70E-03	0.00E+00	1.81E-04	2.90E-04	0.00E+00	7.93E-05	1.16E-04	0.00E+00
1151	440897.3	3768139	0.000967	0.001179	0.00E+00	1.09E-03	1.71E-03	0.00E+00	1.83E-04	2.92E-04	0.00E+00	8.00E-05	1.17E-04	0.00E+00
1152	440906.5	3768135	0.000975	0.001188	0.00E+00	1.10E-03	1.73E-03	0.00E+00	1.84E-04	2.94E-04	0.00E+00	8.06E-05	1.18E-04	0.00E+00
1153	440934.1	3768124	0.001	0.001219	0.00E+00	1.13E-03	1.77E-03	0.00E+00	1.89E-04	3.02E-04	0.00E+00	8.27E-05	1.21E-04	0.00E+00
1154	440943.3	3768120	0.001007	0.001227	0.00E+00	1.13E-03	1.78E-03	0.00E+00	1.90E-04	3.04E-04	0.00E+00	8.32E-05	1.22E-04	0.00E+00
1155	440952.5	3768116	0.001012	0.001234	0.00E+00	1.14E-03	1.79E-03	0.00E+00	1.91E-04	3.06E-04	0.00E+00	8.37E-05	1.22E-04	0.00E+00
1156	440980.1	3768105	0.001019	0.001242	0.00E+00	1.15E-03	1.81E-03	0.00E+00	1.93E-04	3.08E-04	0.00E+00	8.43E-05	1.23E-04	0.00E+00
1157	440989.2	3768101	0.001019	0.001242	0.00E+00	1.15E-03	1.81E-03	0.00E+00	1.93E-04	3.08E-04	0.00E+00	8.42E-05	1.23E-04	0.00E+00
1158	440998.4	3768097	0.001018	0.001241	0.00E+00	1.15E-03	1.80E-03	0.00E+00	1.92E-04	3.08E-04	0.00E+00	8.42E-05	1.23E-04	0.00E+00
1159	441007.6	3768094	0.001014	0.001236	0.00E+00	1.14E-03	1.80E-03	0.00E+00	1.92E-04	3.06E-04	0.00E+00	8.38E-05	1.23E-04	0.00E+00
1160	441016.8	3768090	0.001008	0.001228	0.00E+00	1.14E-03	1.79E-03	0.00E+00	1.90E-04	3.04E-04	0.00E+00	8.33E-05	1.22E-04	0.00E+00
1161	441026	3768086	0.001	0.001219	0.00E+00	1.13E-03	1.77E-03	0.00E+00	1.89E-04	3.02E-04	0.00E+00	8.26E-05	1.21E-04	0.00E+00
1162	441035.2	3768082	0.000992	0.001209	0.00E+00	1.12E-03	1.76E-03	0.00E+00	1.88E-04	3.00E-04	0.00E+00	8.20E-05	1.20E-04	0.00E+00
1163	441044.4	3768078	0.000985	0.0012	0.00E+00	1.11E-03	1.74E-03	0.00E+00	1.86E-04	2.97E-04	0.00E+00	8.14E-05	1.19E-04	0.00E+00
1164	441053.6	3768075	0.000976	0.00119	0.00E+00	1.10E-03	1.73E-03	0.00E+00	1.85E-04	2.95E-04	0.00E+00	8.07E-05	1.18E-04	0.00E+00
1165	441062.8	3768071	0.000967	0.001179	0.00E+00	1.09E-03	1.71E-03	0.00E+00	1.83E-04	2.92E-04	0.00E+00	8.00E-05	1.17E-04	0.00E+00
1166	441072	3768067	0.000959	0.001169	0.00E+00	1.08E-03	1.70E-03	0.00E+00	1.81E-04	2.90E-04	0.00E+00	7.93E-05	1.16E-04	0.00E+00
1167	441081.2	3768063	0.00095	0.001158	0.00E+00	1.07E-03	1.68E-03	0.00E+00	1.80E-04	2.87E-04	0.00E+00	7.86E-05	1.15E-04	0.00E+00
1168	441090.4	3768060	0.000941	0.001147	0.00E+00	1.06E-03	1.67E-03	0.00E+00	1.78E-04	2.84E-04	0.00E+00	7.78E-05	1.14E-04	0.00E+00
1169	441145.6	3768037	0.00088	0.001073	0.00E+00	9.92E-04	1.56E-03	0.00E+00	1.66E-04	2.66E-04	0.00E+00	7.28E-05	1.06E-04	0.00E+00
1170	441154.8	3768033	0.000868	0.001058	0.00E+00	9.78E-04	1.54E-03	0.00E+00	1.64E-04	2.62E-04	0.00E+00	7.18E-05	1.05E-04	0.00E+00
1171	441164	3768029	0.000855	0.001042	0.00E+00	9.64E-04	1.51E-03	0.00E+00	1.62E-04	2.58E-04	0.00E+00	7.07E-05	1.03E-04	0.00E+00
1172	441173.2	3768026	0.000841	0.001025	0.00E+00	9.48E-04	1.49E-03	0.00E+00	1.59E-04	2.54E-04	0.00E+00	6.95E-05	1.02E-04	0.00E+00
1173	441182.4	3768022	0.000826	0.001007	0.00E+00	9.31E-04	1.46E-03	0.00E+00	1.56E-04	2.49E-04	0.00E+00	6.83E-05	9.99E-05	0.00E+00
1174	440823.1	3768129	0.000856	0.001044	0.00E+00	9.65E-04	1.52E-03	0.00E+00	1.62E-04	2.59E-04	0.00E+00	7.08E-05	1.04E-04	0.00E+00
1175	440860	3768114	0.000889	0.001084	0.00E+00	1.00E-03	1.58E-03	0.00E+00	1.68E-04	2.69E-04	0.00E+00	7.35E-05	1.08E-04	0.00E+00
1176	440869.2	3768110	0.000897	0.001093	0.00E+00	1.01E-03	1.59E-03	0.00E+00	1.69E-04	2.71E-04	0.00E+00	7.41E-05	1.08E-04	0.00E+00
1177	440878.4	3768107	0.000903	0.001101	0.00E+00	1.02E-03	1.60E-03	0.00E+00	1.71E-04	2.73E-04	0.00E+00	7.47E-05	1.09E-04	0.00E+00
1178	440906.1	3768095	0.000923	0.001125	0.00E+00	1.04E-03	1.63E-03	0.00E+00	1.74E-04	2.79E-04	0.00E+00	7.63E-05	1.12E-04	0.00E+00
1179	440915.3	3768092	0.000928	0.001132	0.00E+00	1.05E-03	1.64E-03	0.00E+00	1.75E-04	2.80E-04	0.00E+00	7.67E-05	1.12E-04	0.00E+00
1180	440924.5	3768088	0.000933	0.001137	0.00E+00	1.05E-03	1.65E-03	0.00E+00	1.76E-04	2.82E-04	0.00E+00	7.71E-05	1.13E-04	0.00E+00

1181	440952.1	3768076	0.000939	0.001144	0.00E+00	1.06E-03	1.66E-03	0.00E+00	1.77E-04	2.84E-04	0.00E+00	7.76E-05	1.14E-04	0.00E+00
1182	440961.3	3768073	0.000938	0.001144	0.00E+00	1.06E-03	1.66E-03	0.00E+00	1.77E-04	2.84E-04	0.00E+00	7.76E-05	1.14E-04	0.00E+00
1183	440970.6	3768069	0.000938	0.001143	0.00E+00	1.06E-03	1.66E-03	0.00E+00	1.77E-04	2.83E-04	0.00E+00	7.75E-05	1.13E-04	0.00E+00
1184	440979.8	3768065	0.000936	0.001141	0.00E+00	1.05E-03	1.66E-03	0.00E+00	1.77E-04	2.83E-04	0.00E+00	7.74E-05	1.13E-04	0.00E+00
1185	440989	3768061	0.000933	0.001138	0.00E+00	1.05E-03	1.65E-03	0.00E+00	1.76E-04	2.82E-04	0.00E+00	7.72E-05	1.13E-04	0.00E+00
1186	441044.3	3768039	0.000885	0.001079	0.00E+00	9.98E-04	1.57E-03	0.00E+00	1.67E-04	2.67E-04	0.00E+00	7.32E-05	1.07E-04	0.00E+00
1187	441053.5	3768035	0.000876	0.001067	0.00E+00	9.87E-04	1.55E-03	0.00E+00	1.66E-04	2.65E-04	0.00E+00	7.24E-05	1.06E-04	0.00E+00
1188	441062.7	3768031	0.000866	0.001056	0.00E+00	9.76E-04	1.53E-03	0.00E+00	1.64E-04	2.62E-04	0.00E+00	7.16E-05	1.05E-04	0.00E+00
1189	441071.9	3768027	0.000858	0.001046	0.00E+00	9.67E-04	1.52E-03	0.00E+00	1.62E-04	2.59E-04	0.00E+00	7.09E-05	1.04E-04	0.00E+00
1190	441081.1	3768024	0.000849	0.001035	0.00E+00	9.57E-04	1.50E-03	0.00E+00	1.61E-04	2.57E-04	0.00E+00	7.02E-05	1.03E-04	0.00E+00
1191	441090.3	3768020	0.000841	0.001025	0.00E+00	9.48E-04	1.49E-03	0.00E+00	1.59E-04	2.54E-04	0.00E+00	6.95E-05	1.02E-04	0.00E+00
1192	441099.6	3768016	0.000834	0.001016	0.00E+00	9.40E-04	1.48E-03	0.00E+00	1.58E-04	2.52E-04	0.00E+00	6.89E-05	1.01E-04	0.00E+00
1193	441108.8	3768012	0.000826	0.001007	0.00E+00	9.31E-04	1.46E-03	0.00E+00	1.56E-04	2.49E-04	0.00E+00	6.83E-05	9.99E-05	0.00E+00
1194	441118	3768008	0.000817	0.000996	0.00E+00	9.21E-04	1.45E-03	0.00E+00	1.54E-04	2.47E-04	0.00E+00	6.75E-05	9.88E-05	0.00E+00
1195	441127.2	3768005	0.000806	0.000983	0.00E+00	9.09E-04	1.43E-03	0.00E+00	1.52E-04	2.44E-04	0.00E+00	6.67E-05	9.76E-05	0.00E+00
1196	441136.4	3768001	0.000795	0.000969	0.00E+00	8.96E-04	1.41E-03	0.00E+00	1.50E-04	2.40E-04	0.00E+00	6.57E-05	9.62E-05	0.00E+00
1197	441145.6	3767997	0.000782	0.000953	0.00E+00	8.81E-04	1.38E-03	0.00E+00	1.48E-04	2.36E-04	0.00E+00	6.46E-05	9.46E-05	0.00E+00
1198	441154.8	3767993	0.000768	0.000936	0.00E+00	8.66E-04	1.36E-03	0.00E+00	1.45E-04	2.32E-04	0.00E+00	6.35E-05	9.29E-05	0.00E+00
1199	441164.1	3767990	0.000755	0.00092	0.00E+00	8.51E-04	1.34E-03	0.00E+00	1.43E-04	2.28E-04	0.00E+00	6.24E-05	9.13E-05	0.00E+00
1200	441173.3	3767986	0.000742	0.000904	0.00E+00	8.36E-04	1.31E-03	0.00E+00	1.40E-04	2.24E-04	0.00E+00	6.13E-05	8.98E-05	0.00E+00
1201	440785.7	3768105	0.000784	0.000956	0.00E+00	8.84E-04	1.39E-03	0.00E+00	1.48E-04	2.37E-04	0.00E+00	6.48E-05	9.49E-05	0.00E+00
1202	440794.9	3768101	0.000791	0.000964	0.00E+00	8.91E-04	1.40E-03	0.00E+00	1.50E-04	2.39E-04	0.00E+00	6.54E-05	9.57E-05	0.00E+00
1203	440831.9	3768086	0.000818	0.000997	0.00E+00	9.22E-04	1.45E-03	0.00E+00	1.55E-04	2.47E-04	0.00E+00	6.76E-05	9.90E-05	0.00E+00
1204	440841.1	3768082	0.000825	0.001006	0.00E+00	9.30E-04	1.46E-03	0.00E+00	1.56E-04	2.49E-04	0.00E+00	6.82E-05	9.98E-05	0.00E+00
1205	440850.3	3768078	0.000831	0.001013	0.00E+00	9.37E-04	1.47E-03	0.00E+00	1.57E-04	2.51E-04	0.00E+00	6.87E-05	1.01E-04	0.00E+00
1206	440878	3768067	0.000848	0.001034	0.00E+00	9.56E-04	1.50E-03	0.00E+00	1.60E-04	2.56E-04	0.00E+00	7.01E-05	1.03E-04	0.00E+00
1207	440887.2	3768063	0.000852	0.001039	0.00E+00	9.61E-04	1.51E-03	0.00E+00	1.61E-04	2.57E-04	0.00E+00	7.05E-05	1.03E-04	0.00E+00
1208	440942.6	3768040	0.000866	0.001055	0.00E+00	9.76E-04	1.53E-03	0.00E+00	1.64E-04	2.62E-04	0.00E+00	7.16E-05	1.05E-04	0.00E+00
1209	440951.8	3768037	0.000864	0.001053	0.00E+00	9.74E-04	1.53E-03	0.00E+00	1.63E-04	2.61E-04	0.00E+00	7.14E-05	1.05E-04	0.00E+00
1210	440961.1	3768033	0.000861	0.00105	0.00E+00	9.70E-04	1.53E-03	0.00E+00	1.63E-04	2.60E-04	0.00E+00	7.12E-05	1.04E-04	0.00E+00
1211	440970.3	3768029	0.000857	0.001045	0.00E+00	9.66E-04	1.52E-03	0.00E+00	1.62E-04	2.59E-04	0.00E+00	7.09E-05	1.04E-04	0.00E+00
1212	440979.5	3768025	0.000853	0.00104	0.00E+00	9.62E-04	1.51E-03	0.00E+00	1.61E-04	2.58E-04	0.00E+00	7.05E-05	1.03E-04	0.00E+00
1213	440988.8	3768021	0.000848	0.001034	0.00E+00	9.56E-04	1.50E-03	0.00E+00	1.60E-04	2.56E-04	0.00E+00	7.02E-05	1.03E-04	0.00E+00
1214	440998	3768018	0.000843	0.001028	0.00E+00	9.50E-04	1.49E-03	0.00E+00	1.59E-04	2.55E-04	0.00E+00	6.97E-05	1.02E-04	0.00E+00
1215	441007.2	3768014	0.000836	0.001019	0.00E+00	9.43E-04	1.48E-03	0.00E+00	1.58E-04	2.53E-04	0.00E+00	6.91E-05	1.01E-04	0.00E+00
1216	441016.5	3768010	0.000828	0.00101	0.00E+00	9.34E-04	1.47E-03	0.00E+00	1.57E-04	2.50E-04	0.00E+00	6.85E-05	1.00E-04	0.00E+00
1217	441025.7	3768006	0.00082	0.001	0.00E+00	9.24E-04	1.45E-03	0.00E+00	1.55E-04	2.48E-04	0.00E+00	6.78E-05	9.92E-05	0.00E+00
1218	441034.9	3768003	0.000812	0.000989	0.00E+00	9.15E-04	1.44E-03	0.00E+00	1.53E-04	2.45E-04	0.00E+00	6.71E-05	9.82E-05	0.00E+00
1219	441044.1	3767999	0.000803	0.000979	0.00E+00	9.06E-04	1.42E-03	0.00E+00	1.52E-04	2.43E-04	0.00E+00	6.64E-05	9.72E-05	0.00E+00
1220	441053.4	3767995	0.000795	0.000969	0.00E+00	8.96E-04	1.41E-03	0.00E+00	1.50E-04	2.40E-04	0.00E+00	6.57E-05	9.62E-05	0.00E+00
1221	441062.6	3767991	0.000787	0.00096	0.00E+00	8.88E-04	1.40E-03	0.00E+00	1.49E-04	2.38E-04	0.00E+00	6.51E-05	9.53E-05	0.00E+00
1222	441071.8	3767987	0.000781	0.000952	0.00E+00	8.80E-04	1.38E-03	0.00E+00	1.48E-04	2.36E-04	0.00E+00	6.46E-05	9.45E-05	0.00E+00
1223	441081.1	3767984	0.000774	0.000944	0.00E+00	8.72E-04	1.37E-03	0.00E+00	1.46E-04	2.34E-04	0.00E+00	6.40E-05	9.37E-05	0.00E+00
1224	441090.3	3767980	0.000766	0.000934	0.00E+00	8.64E-04	1.36E-03	0.00E+00	1.45E-04	2.32E-04	0.00E+00	6.34E-05	9.28E-05	0.00E+00
1225	441099.5	3767976	0.000757	0.000923	0.00E+00	8.53E-04	1.34E-03	0.00E+00	1.43E-04	2.29E-04	0.00E+00	6.26E-05	9.16E-05	0.00E+00
1226	441108.8	3767972	0.000746	0.00091	0.00E+00	8.41E-04	1.32E-03	0.00E+00	1.41E-04	2.25E-04	0.00E+00	6.17E-05	9.03E-05	0.00E+00
1227	441118	3767969	0.000734	0.000895	0.00E+00	8.28E-04	1.30E-03	0.00E+00	1.39E-04	2.22E-04	0.00E+00	6.07E-05	8.89E-05	0.00E+00
1228	441127.2	3767965	0.000721	0.000879	0.00E+00	8.13E-04	1.28E-03	0.00E+00	1.36E-04	2.18E-04	0.00E+00	5.96E-05	8.73E-05	0.00E+00
1229	441136.4	3767961	0.000707	0.000862	0.00E+00	7.97E-04	1.25E-03	0.00E+00	1.34E-04	2.14E-04	0.00E+00	5.85E-05	8.56E-05	0.00E+00
1230	441145.7	3767957	0.000693	0.000845	0.00E+00	7.81E-04	1.23E-03	0.00E+00	1.31E-04	2.09E-04	0.00E+00	5.73E-05	8.39E-05	0.00E+00
1231	441154.9	3767953	0.000681	0.000831	0.00E+00	7.68E-04	1.21E-03	0.00E+00	1.29E-04	2.06E-04	0.00E+00	5.63E-05	8.24E-05	0.00E+00
1232	441164.1	3767950	0.000672	0.000819	0.00E+00	7.57E-04	1.19E-03	0.00E+00	1.27E-04	2.03E-04	0.00E+00	5.55E-05	8.13E-05	0.00E+00
1233	440552.6	3768714	0.000421	0.000513	0.00E+00	4.74E-04	7.46E-04	0.00E+00	7.96E-05	1.27E-04	0.00E+00	3.48E-05	5.09E-05	0.00E+00
1234	440552.6	3768724	0.000415	0.000506	0.00E+00	4.68E-04	7.35E-04	0.00E+00	7.84E-05	1.25E-04	0.00E+00	3.43E-05	5.02E-05	0.00E+00
1235	440552.6	3768734	0.000409	0.000499	0.00E+00	4.61E-04	7.25E-04	0.00E+00	7.73E-05	1.24E-04	0.00E+00	3.38E-05	4.95E-05	0.00E+00
1236	440552.7	3768744	0.000403	0.000491	0.00E+00	4.54E-04	7.14E-04	0.00E+00	7.62E-05	1.22E-04	0.00E+00	3.33E-05	4.88E-05	0.00E+00
1237	440552.7	3768754	0.000397	0.000484	0.00E+00	4.48E-04	7.04E-04	0.00E+00	7.51E-05	1.20E-04	0.00E+00	3.28E-05	4.81E-05	0.00E+00
1238	440552.7	3768764	0.000391	0.000477	0.00E+00	4.41E-04	6.93E-04	0.00E+00	7.40E-05	1.18E-04	0.00E+00	3.23E-05	4.73E-05	0.00E+00
1239	440552.7	3768774	0.000385	0.00047	0.00E+00	4.34E-04	6.83E-04	0.00E+00	7.28E-05	1.16E-04	0.00E+00	3.19E-05	4.66E-05	0.00E+00
1240	440552.8	3768784	0.000379	0.000462	0.00E+00	4.28E-04	6.72E-04	0.00E+00	7.17E-05	1.15E-04	0.00E+00	3.14E-05	4.59E-05	0.00E+00
1241	440552.8	3768794	0.000373	0.000455	0.00E+00	4.21E-04	6.62E-04	0.00E+00	7.06E-05	1.13E-04	0.00E+00	3.09E-05	4.52E-05	0.00E+00
1242	440757	3768077	0.00073	0.000889	0.00E+00	8.22E-04	1.29E-03	0.00E+00	1.38E-04	2.20E-04	0.00E+00	6.03E-05	8.83E-05	0.00E+00
1243	440766.1	3768073	0.000737	0.000898	0.00E+00	8.30E-04	1.31E-03	0.00E+00	1.39E-04	2.23E-04	0.00E+00	6.09E-05	8.91E-05	0.00E+00
1244	440847.9	3768039	0.000778	0.000949	0.00E+00	8.77E-04	1.38E-03	0.00E+00	1.47E-04	2.35E-04	0.00E+00	6.43E-05	9.42E-05	0.00E+00
1245	440857	3768036	0.000782	0.000953	0.00E+00	8.81E-04	1.38E-03	0.00E+00	1.48E-04	2.36E-04	0.00E+00	6.46E-05	9.46E-05	0.00E+00
1246	440866	3768032	0.000785	0.000957	0.00E+00	8.85E-04	1.39E-03	0.00E+00	1.48E-04	2.37E-04	0.00E+00	6.49E-05	9.50E-05	0.00E+00
1247	440902.4	3768017	0.000796	0.00097	0.00E+00	8.97E-04	1.41E-03	0.00E+00	1.50E-04	2.40E-04	0.00E+00	6.58E-05	9.63E-05	0.00E+00
1248	440911.5	3768013	0.000797	0.000972	0.00E+00	8.99E-04	1.41E-03	0.00E+00	1.51E-04	2.41E-04	0.00E+00	6.59E-05	9.65E-05	0.00E+00
1249	440920.6	3768010	0.000798	0.000973	0.00E+00	8.99E-04	1.41E-03	0.00E+00	1.51E-04	2.41E-04	0.00E+00	6.60E-05	9.65E-05	0.00E+00
1250	440929.6	3768006	0.000797	0.000972	0.00E+00	8.99E-04	1.41E-03	0.00E+00	1.51E-04	2.41E-04	0.00E+00	6.59E-05	9.65E-05	0.00E+00
1251	440938.7	3768002	0.000797	0.000971	0.00E+00	8.98E-04	1.41E-03	0.00E+00	1.51E-04	2.41E-04	0.00E+00	6.59E-05	9.64E-05	0.00E+00
1252	440947.8	3767998	0.000794	0.000968	0.00E+00	8.95E-04	1.41E-03	0.00E+00	1.50E-04	2.40E-04	0.00E+00	6.57E-05	9.61E-05	0.00E+00
1253	440956.9	3767995	0.000791	0.000965	0.00E+00	8.92E-04	1.40E-03	0.00E+00	1.50E-04	2.39E-04	0.00E+00	6.54E-05	9.58E-05	0.00E+00
1254	440966	3767991	0.000788	0.000961	0.00E+00	8.88E-04	1.40E-03	0.00E+00	1.49E-04	2.38E-04	0.00E+00	6.52E-05	9.54E-05	0.00E+00
1255	440975.1	3767987	0.000784	0.000956	0.00E+00	8.84E-04	1.39E-03	0.00E+00	1.48E-04	2.37E-04	0.00E+00	6.48E-05	9.49E-05	0.00E+00
1256	440984.1	3767983	0.000778	0.000949	0.00E+00	8.77E-04	1.38E-03	0.00E+00	1.47E-04	2.35E-04	0.00E+00	6.44E-05	9.42E-05	0.00E+00
1257	440993.2	3767980	0.000773	0.000942	0.00E+00	8.71E-04	1.37E-03	0.00E+00	1.46E-04	2.33E-04	0.00E+00	6.39E-05	9.35E-05	0.00E+00
1258	441002.3	3767976	0.000766	0.000934	0.00E+00	8.63E-04	1.36E-03	0.00E+00	1.45E-04	2.31E-04	0.00E+00	6.33E-05	9.27E-05	0.00E+00
1259	441011.4	3767972	0.000759	0.000925	0.00E+00	8.56E-04	1.35E-03	0.00E+00	1.44E-04	2.29E-04	0.00E+00	6.28E-05	9.19E-05	0.00E+00
1260	441020.5	3767969	0.000752	0.000917	0.00E+00	8.47E-04	1.33E-03	0.00E+00	1.42E-04	2.27E-04	0.00E+00	6.22E-05	9.10E-05	0.00E+00
1261	441029.6	3767965	0.000744	0.000907	0.00E+00	8.39E-04	1.32E-03	0.00E+00	1.41E-04	2.25E-04	0.00E+00	6.15E-05	9.00E-05	0.00E+00
1262	441038.6	3767961	0.000737	0.000899	0.00E+00	8.31E-04	1.31E-03	0.00E+00	1.39E-04	2.23E-04	0.00E+00	6.10E-05	8.92E-05	0.00E+00
1263	441047.7	3767957	0.00073	0.00089	0.00E+00	8.23E-04	1.29E-03	0.00E+00	1.38E-04	2.21E-04	0.00E+00	6.04E-05	8.84E-05	0.00E+00
1264	441056.8	3767954	0.000723	0.000882	0.00E+00	8.15E-04	1.28E-03	0.00E+00	1.37E-04	2.19E-04	0.00E+00	5.98E-05	8.76E-05	0.00E+00
1265	441065.9	3767950	0.000716	0.000873	0.00E+00	8.07E-04	1.27E-03	0.00E+00	1.35E-04	2.16E-04	0.00E+00	5.92E-05	8.67E-05	0.00E+00
1266	441075	3767946	0.000708	0.000863	0.00E+00	7.98E-04	1.26E-03	0.00E+00	1.34E-04	2.14E-04	0.00E+00	5.86E-05	8.57E-05	0.00E+00
1267	441084.1	3767943	0.0007	0.000853	0.00E+00	7.89E-04	1.24E-03	0.00E+00	1.32E-04	2.11E-04	0.00E+00	5.79E-05	8.47E-05	0.00E+00
1268	441093.2	3767939	0.00069	0.000841	0.00E+00	7.78E-04	1.22E-03	0.00E+00	1.30E-04	2.08E-04	0.00E+00	5.71E-05	8.35E-05	0.00E+00
1269	441129.5	3767924	0.000645	0.000786	0.00E+00	7.26E-04	1.14E-03	0.00E+00	1.22E-04	1.95E-04	0.00E+00	5.33E-05	7.80E-05	0.00E+00
1270	441138.6	3767920	0.000633	0.000772	0.00E+00	7.14E-04	1.12E-03	0.00E+00	1.20E-04	1.91E-04	0.00E+00	5.24E-05	7.67E-05	0.00E+00
1271	441147.7	3767916	0.000623	0.000759	0.00E+00	7.02E-04	1.10E-03	0.00E+00	1.18E-04	1.88E-04	0.00E+00	5.15E-05	7.53E-05	0.00E+00

1272	441156.7	3767913	0.000614	0.000748	0.00E+00	6.92E-04	1.09E-03	0.00E+00	1.16E-04	1.85E-04	0.00E+00	5.07E-05	7.43E-05	0.00E+00
1273	441165.8	3767909	0.000605	0.000738	0.00E+00	6.82E-04	1.07E-03	0.00E+00	1.14E-04	1.83E-04	0.00E+00	5.00E-05	7.32E-05	0.00E+00
1274	440512.4	3768664	0.000413	0.000504	0.00E+00	4.66E-04	7.32E-04	0.00E+00	7.81E-05	1.25E-04	0.00E+00	3.42E-05	5.00E-05	0.00E+00
1275	440512.4	3768674	0.000408	0.000498	0.00E+00	4.60E-04	7.24E-04	0.00E+00	7.72E-05	1.23E-04	0.00E+00	3.38E-05	4.94E-05	0.00E+00
1276	440512.5	3768684	0.000403	0.000492	0.00E+00	4.55E-04	7.15E-04	0.00E+00	7.63E-05	1.22E-04	0.00E+00	3.34E-05	4.88E-05	0.00E+00
1277	440512.5	3768694	0.000398	0.000486	0.00E+00	4.49E-04	7.06E-04	0.00E+00	7.53E-05	1.20E-04	0.00E+00	3.29E-05	4.82E-05	0.00E+00
1278	440512.5	3768704	0.000393	0.00048	0.00E+00	4.44E-04	6.97E-04	0.00E+00	7.44E-05	1.19E-04	0.00E+00	3.25E-05	4.76E-05	0.00E+00
1279	440512.6	3768714	0.000388	0.000473	0.00E+00	4.38E-04	6.88E-04	0.00E+00	7.34E-05	1.17E-04	0.00E+00	3.21E-05	4.70E-05	0.00E+00
1280	440512.6	3768724	0.000383	0.000467	0.00E+00	4.32E-04	6.79E-04	0.00E+00	7.24E-05	1.16E-04	0.00E+00	3.17E-05	4.64E-05	0.00E+00
1281	440512.6	3768734	0.000378	0.000461	0.00E+00	4.26E-04	6.70E-04	0.00E+00	7.15E-05	1.14E-04	0.00E+00	3.13E-05	4.58E-05	0.00E+00
1282	440512.7	3768744	0.000373	0.000455	0.00E+00	4.20E-04	6.61E-04	0.00E+00	7.05E-05	1.13E-04	0.00E+00	3.08E-05	4.51E-05	0.00E+00
1283	440512.7	3768754	0.000368	0.000448	0.00E+00	4.14E-04	6.52E-04	0.00E+00	6.95E-05	1.11E-04	0.00E+00	3.04E-05	4.45E-05	0.00E+00
1284	440512.7	3768764	0.000362	0.000442	0.00E+00	4.09E-04	6.42E-04	0.00E+00	6.85E-05	1.09E-04	0.00E+00	3.00E-05	4.39E-05	0.00E+00
1285	440512.7	3768774	0.000357	0.000435	0.00E+00	4.03E-04	6.33E-04	0.00E+00	6.75E-05	1.08E-04	0.00E+00	2.95E-05	4.32E-05	0.00E+00
1286	440512.8	3768784	0.000352	0.000429	0.00E+00	3.97E-04	6.24E-04	0.00E+00	6.65E-05	1.06E-04	0.00E+00	2.91E-05	4.26E-05	0.00E+00
1287	440512.8	3768794	0.000347	0.000423	0.00E+00	3.91E-04	6.14E-04	0.00E+00	6.55E-05	1.05E-04	0.00E+00	2.87E-05	4.19E-05	0.00E+00
1288	440774.4	3768030	0.000708	0.000863	0.00E+00	7.98E-04	1.25E-03	0.00E+00	1.34E-04	2.14E-04	0.00E+00	5.85E-05	8.56E-05	0.00E+00
1289	440783.5	3768026	0.000712	0.000868	0.00E+00	8.02E-04	1.26E-03	0.00E+00	1.35E-04	2.15E-04	0.00E+00	5.88E-05	8.61E-05	0.00E+00
1290	440792.6	3768022	0.000715	0.000872	0.00E+00	8.06E-04	1.27E-03	0.00E+00	1.35E-04	2.16E-04	0.00E+00	5.92E-05	8.66E-05	0.00E+00
1291	440819.9	3768011	0.000722	0.000881	0.00E+00	8.14E-04	1.28E-03	0.00E+00	1.37E-04	2.18E-04	0.00E+00	5.97E-05	8.74E-05	0.00E+00
1292	440829	3768007	0.000723	0.000882	0.00E+00	8.15E-04	1.28E-03	0.00E+00	1.37E-04	2.19E-04	0.00E+00	5.98E-05	8.76E-05	0.00E+00
1293	440838.1	3768003	0.000724	0.000882	0.00E+00	8.16E-04	1.28E-03	0.00E+00	1.37E-04	2.19E-04	0.00E+00	5.98E-05	8.76E-05	0.00E+00
1294	440874.5	3767989	0.000731	0.000891	0.00E+00	8.24E-04	1.30E-03	0.00E+00	1.38E-04	2.21E-04	0.00E+00	6.04E-05	8.85E-05	0.00E+00
1295	440883.6	3767985	0.000732	0.000893	0.00E+00	8.26E-04	1.30E-03	0.00E+00	1.38E-04	2.21E-04	0.00E+00	6.06E-05	8.86E-05	0.00E+00
1296	440892.7	3767981	0.000733	0.000894	0.00E+00	8.27E-04	1.30E-03	0.00E+00	1.39E-04	2.22E-04	0.00E+00	6.06E-05	8.88E-05	0.00E+00
1297	440901.8	3767977	0.000734	0.000894	0.00E+00	8.27E-04	1.30E-03	0.00E+00	1.39E-04	2.22E-04	0.00E+00	6.07E-05	8.88E-05	0.00E+00
1298	440910.9	3767974	0.000733	0.000894	0.00E+00	8.26E-04	1.30E-03	0.00E+00	1.39E-04	2.21E-04	0.00E+00	6.06E-05	8.87E-05	0.00E+00
1299	440920	3767970	0.000732	0.000892	0.00E+00	8.25E-04	1.30E-03	0.00E+00	1.38E-04	2.21E-04	0.00E+00	6.05E-05	8.86E-05	0.00E+00
1300	440929.2	3767966	0.000731	0.000891	0.00E+00	8.24E-04	1.29E-03	0.00E+00	1.38E-04	2.21E-04	0.00E+00	6.04E-05	8.84E-05	0.00E+00
1301	440938.3	3767962	0.000729	0.000889	0.00E+00	8.22E-04	1.29E-03	0.00E+00	1.38E-04	2.20E-04	0.00E+00	6.03E-05	8.82E-05	0.00E+00
1302	440947.4	3767959	0.000726	0.000886	0.00E+00	8.19E-04	1.29E-03	0.00E+00	1.37E-04	2.19E-04	0.00E+00	6.01E-05	8.79E-05	0.00E+00
1303	440956.5	3767955	0.000723	0.000882	0.00E+00	8.15E-04	1.28E-03	0.00E+00	1.37E-04	2.19E-04	0.00E+00	5.98E-05	8.75E-05	0.00E+00
1304	440965.6	3767951	0.00072	0.000877	0.00E+00	8.11E-04	1.28E-03	0.00E+00	1.36E-04	2.17E-04	0.00E+00	5.95E-05	8.71E-05	0.00E+00
1305	440974.7	3767947	0.000714	0.000871	0.00E+00	8.05E-04	1.27E-03	0.00E+00	1.35E-04	2.16E-04	0.00E+00	5.91E-05	8.65E-05	0.00E+00
1306	440983.8	3767944	0.000708	0.000863	0.00E+00	7.98E-04	1.25E-03	0.00E+00	1.34E-04	2.14E-04	0.00E+00	5.86E-05	8.57E-05	0.00E+00
1307	440992.9	3767940	0.000702	0.000855	0.00E+00	7.91E-04	1.24E-03	0.00E+00	1.33E-04	2.12E-04	0.00E+00	5.80E-05	8.49E-05	0.00E+00
1308	441029.3	3767925	0.000675	0.000822	0.00E+00	7.60E-04	1.20E-03	0.00E+00	1.28E-04	2.04E-04	0.00E+00	5.58E-05	8.16E-05	0.00E+00
1309	441038.4	3767921	0.000668	0.000815	0.00E+00	7.53E-04	1.18E-03	0.00E+00	1.26E-04	2.02E-04	0.00E+00	5.53E-05	8.09E-05	0.00E+00
1310	441047.5	3767918	0.000662	0.000807	0.00E+00	7.46E-04	1.17E-03	0.00E+00	1.25E-04	2.00E-04	0.00E+00	5.47E-05	8.01E-05	0.00E+00
1311	441056.6	3767914	0.000655	0.000798	0.00E+00	7.38E-04	1.16E-03	0.00E+00	1.24E-04	1.98E-04	0.00E+00	5.41E-05	7.92E-05	0.00E+00
1312	441065.7	3767910	0.000647	0.000789	0.00E+00	7.29E-04	1.15E-03	0.00E+00	1.22E-04	1.95E-04	0.00E+00	5.35E-05	7.83E-05	0.00E+00
1313	441074.8	3767906	0.00064	0.00078	0.00E+00	7.21E-04	1.13E-03	0.00E+00	1.21E-04	1.93E-04	0.00E+00	5.29E-05	7.74E-05	0.00E+00
1314	441083.9	3767903	0.000632	0.00077	0.00E+00	7.12E-04	1.12E-03	0.00E+00	1.19E-04	1.91E-04	0.00E+00	5.22E-05	7.65E-05	0.00E+00
1315	441093	3767899	0.000624	0.00076	0.00E+00	7.03E-04	1.11E-03	0.00E+00	1.18E-04	1.88E-04	0.00E+00	5.16E-05	7.55E-05	0.00E+00
1316	441102.1	3767895	0.000615	0.000749	0.00E+00	6.93E-04	1.09E-03	0.00E+00	1.16E-04	1.86E-04	0.00E+00	5.08E-05	7.44E-05	0.00E+00
1317	441111.2	3767891	0.000605	0.000738	0.00E+00	6.82E-04	1.07E-03	0.00E+00	1.14E-04	1.83E-04	0.00E+00	5.01E-05	7.33E-05	0.00E+00
1318	441120.3	3767888	0.000596	0.000727	0.00E+00	6.72E-04	1.06E-03	0.00E+00	1.13E-04	1.80E-04	0.00E+00	4.93E-05	7.21E-05	0.00E+00
1319	441129.4	3767884	0.000587	0.000715	0.00E+00	6.61E-04	1.04E-03	0.00E+00	1.11E-04	1.77E-04	0.00E+00	4.85E-05	7.10E-05	0.00E+00
1320	441138.6	3767880	0.000577	0.000704	0.00E+00	6.51E-04	1.02E-03	0.00E+00	1.09E-04	1.74E-04	0.00E+00	4.77E-05	6.99E-05	0.00E+00
1321	441147.7	3767877	0.000568	0.000692	0.00E+00	6.40E-04	1.01E-03	0.00E+00	1.07E-04	1.72E-04	0.00E+00	4.70E-05	6.87E-05	0.00E+00
1322	441156.8	3767873	0.000559	0.000681	0.00E+00	6.30E-04	9.91E-04	0.00E+00	1.06E-04	1.69E-04	0.00E+00	4.62E-05	6.76E-05	0.00E+00
1323	441165.9	3767869	0.00055	0.00067	0.00E+00	6.20E-04	9.75E-04	0.00E+00	1.04E-04	1.66E-04	0.00E+00	4.55E-05	6.66E-05	0.00E+00
1324	440472.4	3768664	0.000382	0.000466	0.00E+00	4.30E-04	6.77E-04	0.00E+00	7.22E-05	1.15E-04	0.00E+00	3.16E-05	4.62E-05	0.00E+00
1325	440472.4	3768674	0.000378	0.00046	0.00E+00	4.26E-04	6.69E-04	0.00E+00	7.14E-05	1.14E-04	0.00E+00	3.12E-05	4.57E-05	0.00E+00
1326	440472.5	3768684	0.000373	0.000455	0.00E+00	4.21E-04	6.61E-04	0.00E+00	7.06E-05	1.13E-04	0.00E+00	3.09E-05	4.52E-05	0.00E+00
1327	440472.5	3768694	0.000369	0.00045	0.00E+00	4.16E-04	6.54E-04	0.00E+00	6.97E-05	1.11E-04	0.00E+00	3.05E-05	4.46E-05	0.00E+00
1328	440472.5	3768704	0.000364	0.000444	0.00E+00	4.11E-04	6.46E-04	0.00E+00	6.89E-05	1.10E-04	0.00E+00	3.01E-05	4.41E-05	0.00E+00
1329	440472.6	3768714	0.00036	0.000439	0.00E+00	4.06E-04	6.38E-04	0.00E+00	6.80E-05	1.09E-04	0.00E+00	2.98E-05	4.35E-05	0.00E+00
1330	440472.6	3768724	0.000355	0.000433	0.00E+00	4.00E-04	6.29E-04	0.00E+00	6.72E-05	1.07E-04	0.00E+00	2.94E-05	4.30E-05	0.00E+00
1331	440472.6	3768734	0.000351	0.000427	0.00E+00	3.95E-04	6.21E-04	0.00E+00	6.63E-05	1.06E-04	0.00E+00	2.90E-05	4.24E-05	0.00E+00
1332	440472.7	3768744	0.000346	0.000422	0.00E+00	3.90E-04	6.13E-04	0.00E+00	6.54E-05	1.05E-04	0.00E+00	2.86E-05	4.19E-05	0.00E+00
1333	440472.7	3768754	0.000341	0.000416	0.00E+00	3.85E-04	6.05E-04	0.00E+00	6.45E-05	1.03E-04	0.00E+00	2.82E-05	4.13E-05	0.00E+00
1334	440472.7	3768764	0.000337	0.00041	0.00E+00	3.79E-04	5.96E-04	0.00E+00	6.36E-05	1.02E-04	0.00E+00	2.78E-05	4.07E-05	0.00E+00
1335	440472.7	3768774	0.000332	0.000405	0.00E+00	3.74E-04	5.88E-04	0.00E+00	6.27E-05	1.00E-04	0.00E+00	2.74E-05	4.02E-05	0.00E+00
1336	440472.8	3768784	0.000327	0.000399	0.00E+00	3.69E-04	5.80E-04	0.00E+00	6.19E-05	9.88E-05	0.00E+00	2.71E-05	3.96E-05	0.00E+00
1337	440472.8	3768794	0.000322	0.000393	0.00E+00	3.63E-04	5.71E-04	0.00E+00	6.10E-05	9.74E-05	0.00E+00	2.67E-05	3.90E-05	0.00E+00
1338	440601.7	3768204	0.000593	0.000723	0.00E+00	6.68E-04	1.05E-03	0.00E+00	1.12E-04	1.79E-04	0.00E+00	4.90E-05	7.17E-05	0.00E+00
1339	440605.5	3768195	0.000596	0.000726	0.00E+00	6.72E-04	1.06E-03	0.00E+00	1.13E-04	1.80E-04	0.00E+00	4.93E-05	7.21E-05	0.00E+00
1340	440609.3	3768186	0.000599	0.00073	0.00E+00	6.75E-04	1.06E-03	0.00E+00	1.13E-04	1.81E-04	0.00E+00	4.95E-05	7.25E-05	0.00E+00
1341	440620.6	3768159	0.000605	0.000738	0.00E+00	6.82E-04	1.07E-03	0.00E+00	1.14E-04	1.83E-04	0.00E+00	5.00E-05	7.32E-05	0.00E+00
1342	440624.3	3768150	0.000607	0.00074	0.00E+00	6.84E-04	1.08E-03	0.00E+00	1.15E-04	1.83E-04	0.00E+00	5.02E-05	7.34E-05	0.00E+00
1343	440628.1	3768140	0.000609	0.000742	0.00E+00	6.86E-04	1.08E-03	0.00E+00	1.15E-04	1.84E-04	0.00E+00	5.03E-05	7.37E-05	0.00E+00
1344	440631.9	3768131	0.000611	0.000744	0.00E+00	6.88E-04	1.08E-03	0.00E+00	1.15E-04	1.84E-04	0.00E+00	5.05E-05	7.39E-05	0.00E+00
1345	440635.6	3768122	0.000612	0.000746	0.00E+00	6.90E-04	1.08E-03	0.00E+00	1.16E-04	1.85E-04	0.00E+00	5.06E-05	7.41E-05	0.00E+00
1346	440639.4	3768113	0.000613	0.000748	0.00E+00	6.91E-04	1.09E-03	0.00E+00	1.16E-04	1.85E-04	0.00E+00	5.07E-05	7.42E-05	0.00E+00
1347	440643.2	3768104	0.000615	0.000749	0.00E+00	6.93E-04	1.09E-03	0.00E+00	1.16E-04	1.86E-04	0.00E+00	5.08E-05	7.44E-05	0.00E+00
1348	440646.9	3768095	0.000616	0.00075	0.00E+00	6.94E-04	1.09E-03	0.00E+00	1.16E-04	1.86E-04	0.00E+00	5.09E-05	7.45E-05	0.00E+00
1349	440650.7	3768086	0.000616	0.000751	0.00E+00	6.94E-04	1.09E-03	0.00E+00	1.16E-04	1.86E-04	0.00E+00	5.09E-05	7.46E-05	0.00E+00
1350	440654.5	3768077	0.000616	0.000751	0.00E+00	6.95E-04	1.09E-03	0.00E+00	1.16E-04	1.86E-04	0.00E+00	5.09E-05	7.46E-05	0.00E+00
1351	440658.2	3768068	0.000616	0.000751	0.00E+00	6.95E-04	1.09E-03	0.00E+00	1.16E-04	1.86E-04	0.00E+00	5.10E-05	7.46E-05	0.00E+00
1352	440669.5	3768040	0.000614	0.000749	0.00E+00	6.92E-04	1.09E-03	0.00E+00	1.16E-04	1.86E-04	0.00E+00	5.08E-05	7.43E-05	0.00E+00
1353	440682.4	3768027	0.000619	0.000755	0.00E+00	6.98E-04	1.10E-03	0.00E+00	1.17E-04	1.87E-04	0.00E+00	5.12E-05	7.49E-05	0.00E+00
1354	440691.5	3768024	0.000625	0.000762	0.00E+00	7.05E-04	1.11E-03	0.00E+00	1.18E-04	1.89E-04	0.00E+00	5.17E-05	7.57E-05	0.00E+00
1355	440700.7	3768020	0.000631	0.00077	0.00E+00	7.12E-04	1.12E-03	0.00E+00	1.19E-04	1.91E-04	0.00E+00	5.22E-05	7.64E-05	0.00E+00
1356	440709.8	3768016	0.000638	0.000777	0.00E+00	7.19E-04	1.13E-03	0.00E+00	1.21E-04	1.93E-04	0.00E+00	5.27E-05	7.72E-05	0.00E+00
1357	440810.1	3767975	0.000678	0.000827	0.00E+00	7.64E-04	1.20E-03	0.00E+00	1.28E-04	2.05E-04	0.00E+00	5.61E-05	8.21E-05	0.00E+00
1358	440837.5	3767964	0.000679	0.000828	0.00E+00	7.66E-04	1.20E-03	0.00E+00	1.28E-04	2.05E-04	0.00E+00	5.62E-05	8.22E-05	0.00E+00
1359	440846.6	3767960	0.000679	0.000828	0.00E+00	7.65E-04	1.20E-03	0.00E+00	1.28E-04	2.05E-04	0.00E+00	5.61E-05	8.22E-05	0.00E+00
1360	440855.7	3767956	0.00068	0.000829	0.00E+00	7.66E-04	1.20E-03	0.00E+00	1.29E-04	2.05E-04	0.00E+00	5.62E-05	8.23E-05	0.00E+00
1361	440864.9	3767953	0.000681	0.00083	0.00E+00	7.67E-04	1.21E-03	0.00E+00	1.29E-04	2.06E-04	0.00E+00	5.63E-05	8.24E-05	0.00E+00
1362	440874	3767949	0.000681	0.00083	0.00E+00	7.68E-04	1.21E-03	0.00E+00	1.29E-04	2.06E-04	0.00E+00	5.63E-05	8.24E-05	0.00E+00

1363	440883.1	3767945	0.000681	0.00083	0.00E+00	7.67E-04	1.21E-03	0.00E+00	1.29E-04	2.06E-04	0.00E+00	5.63E-05	8.24E-05	0.00E+00
1364	440892.2	3767941	0.00068	0.000829	0.00E+00	7.66E-04	1.20E-03	0.00E+00	1.29E-04	2.05E-04	0.00E+00	5.62E-05	8.23E-05	0.00E+00
1365	440937.9	3767923	0.000672	0.000819	0.00E+00	7.57E-04	1.19E-03	0.00E+00	1.27E-04	2.03E-04	0.00E+00	5.56E-05	8.13E-05	0.00E+00
1366	440947	3767919	0.000668	0.000815	0.00E+00	7.54E-04	1.18E-03	0.00E+00	1.26E-04	2.02E-04	0.00E+00	5.53E-05	8.09E-05	0.00E+00
1367	440956.1	3767915	0.000664	0.00081	0.00E+00	7.49E-04	1.18E-03	0.00E+00	1.26E-04	2.01E-04	0.00E+00	5.49E-05	8.04E-05	0.00E+00
1368	440965.2	3767911	0.000659	0.000803	0.00E+00	7.43E-04	1.17E-03	0.00E+00	1.25E-04	1.99E-04	0.00E+00	5.45E-05	7.98E-05	0.00E+00
1369	440974.3	3767908	0.000653	0.000796	0.00E+00	7.36E-04	1.16E-03	0.00E+00	1.23E-04	1.97E-04	0.00E+00	5.40E-05	7.90E-05	0.00E+00
1370	440983.5	3767904	0.000647	0.000788	0.00E+00	7.29E-04	1.15E-03	0.00E+00	1.22E-04	1.95E-04	0.00E+00	5.35E-05	7.83E-05	0.00E+00
1371	440992.6	3767900	0.00064	0.000781	0.00E+00	7.22E-04	1.13E-03	0.00E+00	1.21E-04	1.93E-04	0.00E+00	5.30E-05	7.75E-05	0.00E+00
1372	441001.7	3767896	0.000634	0.000773	0.00E+00	7.15E-04	1.12E-03	0.00E+00	1.20E-04	1.92E-04	0.00E+00	5.25E-05	7.68E-05	0.00E+00
1373	441010.8	3767893	0.000629	0.000767	0.00E+00	7.09E-04	1.11E-03	0.00E+00	1.19E-04	1.90E-04	0.00E+00	5.20E-05	7.61E-05	0.00E+00
1374	441020	3767889	0.000623	0.000759	0.00E+00	7.02E-04	1.10E-03	0.00E+00	1.18E-04	1.88E-04	0.00E+00	5.15E-05	7.54E-05	0.00E+00
1375	441029.1	3767885	0.000616	0.000751	0.00E+00	6.94E-04	1.09E-03	0.00E+00	1.16E-04	1.86E-04	0.00E+00	5.09E-05	7.45E-05	0.00E+00
1376	441038.2	3767882	0.00061	0.000744	0.00E+00	6.88E-04	1.08E-03	0.00E+00	1.15E-04	1.84E-04	0.00E+00	5.05E-05	7.39E-05	0.00E+00
1377	441047.3	3767878	0.000605	0.000737	0.00E+00	6.82E-04	1.07E-03	0.00E+00	1.14E-04	1.83E-04	0.00E+00	5.00E-05	7.32E-05	0.00E+00
1378	441056.5	3767874	0.000599	0.00073	0.00E+00	6.75E-04	1.06E-03	0.00E+00	1.13E-04	1.81E-04	0.00E+00	4.95E-05	7.25E-05	0.00E+00
1379	441065.6	3767870	0.000592	0.000722	0.00E+00	6.67E-04	1.05E-03	0.00E+00	1.12E-04	1.79E-04	0.00E+00	4.89E-05	7.16E-05	0.00E+00
1380	441074.7	3767867	0.000585	0.000713	0.00E+00	6.59E-04	1.04E-03	0.00E+00	1.11E-04	1.77E-04	0.00E+00	4.84E-05	7.08E-05	0.00E+00
1381	441083.8	3767863	0.000578	0.000705	0.00E+00	6.52E-04	1.02E-03	0.00E+00	1.09E-04	1.75E-04	0.00E+00	4.78E-05	7.00E-05	0.00E+00
1382	441092.9	3767859	0.000571	0.000696	0.00E+00	6.44E-04	1.01E-03	0.00E+00	1.08E-04	1.72E-04	0.00E+00	4.72E-05	6.91E-05	0.00E+00
1383	441102.1	3767855	0.000563	0.000687	0.00E+00	6.35E-04	9.98E-04	0.00E+00	1.07E-04	1.70E-04	0.00E+00	4.66E-05	6.82E-05	0.00E+00
1384	441111.2	3767852	0.000556	0.000678	0.00E+00	6.27E-04	9.85E-04	0.00E+00	1.05E-04	1.68E-04	0.00E+00	4.60E-05	6.73E-05	0.00E+00
1385	441120.3	3767848	0.000548	0.000668	0.00E+00	6.18E-04	9.72E-04	0.00E+00	1.04E-04	1.66E-04	0.00E+00	4.53E-05	6.64E-05	0.00E+00
1386	441129.4	3767844	0.000539	0.000657	0.00E+00	6.08E-04	9.55E-04	0.00E+00	1.02E-04	1.63E-04	0.00E+00	4.46E-05	6.53E-05	0.00E+00
1387	441138.6	3767840	0.00053	0.000646	0.00E+00	5.98E-04	9.40E-04	0.00E+00	1.00E-04	1.60E-04	0.00E+00	4.38E-05	6.42E-05	0.00E+00
1388	440432.4	3768664	0.000354	0.000431	0.00E+00	3.99E-04	6.27E-04	0.00E+00	6.69E-05	1.07E-04	0.00E+00	2.93E-05	4.28E-05	0.00E+00
1389	440432.4	3768674	0.00035	0.000427	0.00E+00	3.95E-04	6.20E-04	0.00E+00	6.62E-05	1.06E-04	0.00E+00	2.89E-05	4.24E-05	0.00E+00
1390	440432.5	3768684	0.000346	0.000422	0.00E+00	3.90E-04	6.13E-04	0.00E+00	6.54E-05	1.05E-04	0.00E+00	2.86E-05	4.19E-05	0.00E+00
1391	440432.5	3768694	0.000342	0.000417	0.00E+00	3.86E-04	6.06E-04	0.00E+00	6.47E-05	1.03E-04	0.00E+00	2.83E-05	4.14E-05	0.00E+00
1392	440432.5	3768704	0.000338	0.000412	0.00E+00	3.81E-04	5.99E-04	0.00E+00	6.39E-05	1.02E-04	0.00E+00	2.80E-05	4.09E-05	0.00E+00
1393	440432.6	3768714	0.000334	0.000407	0.00E+00	3.76E-04	5.92E-04	0.00E+00	6.31E-05	1.01E-04	0.00E+00	2.76E-05	4.04E-05	0.00E+00
1394	440432.6	3768724	0.00033	0.000402	0.00E+00	3.72E-04	5.85E-04	0.00E+00	6.24E-05	9.97E-05	0.00E+00	2.73E-05	3.99E-05	0.00E+00
1395	440432.6	3768734	0.000326	0.000397	0.00E+00	3.67E-04	5.77E-04	0.00E+00	6.16E-05	9.84E-05	0.00E+00	2.69E-05	3.94E-05	0.00E+00
1396	440432.7	3768744	0.000322	0.000392	0.00E+00	3.63E-04	5.70E-04	0.00E+00	6.08E-05	9.72E-05	0.00E+00	2.66E-05	3.89E-05	0.00E+00
1397	440432.7	3768754	0.000318	0.000387	0.00E+00	3.58E-04	5.63E-04	0.00E+00	6.00E-05	9.59E-05	0.00E+00	2.63E-05	3.84E-05	0.00E+00
1398	440432.7	3768764	0.000313	0.000382	0.00E+00	3.53E-04	5.55E-04	0.00E+00	5.93E-05	9.47E-05	0.00E+00	2.59E-05	3.79E-05	0.00E+00
1399	440432.7	3768774	0.000309	0.000377	0.00E+00	3.49E-04	5.48E-04	0.00E+00	5.85E-05	9.35E-05	0.00E+00	2.56E-05	3.74E-05	0.00E+00
1400	440432.8	3768784	0.000305	0.000372	0.00E+00	3.44E-04	5.41E-04	0.00E+00	5.77E-05	9.22E-05	0.00E+00	2.52E-05	3.69E-05	0.00E+00
1401	440432.8	3768794	0.000301	0.000367	0.00E+00	3.40E-04	5.34E-04	0.00E+00	5.69E-05	9.10E-05	0.00E+00	2.49E-05	3.65E-05	0.00E+00
1402	440599.8	3768112	0.000572	0.000697	0.00E+00	6.44E-04	1.01E-03	0.00E+00	1.08E-04	1.73E-04	0.00E+00	4.73E-05	6.92E-05	0.00E+00
1403	440603.6	3768103	0.000573	0.000699	0.00E+00	6.46E-04	1.02E-03	0.00E+00	1.08E-04	1.73E-04	0.00E+00	4.74E-05	6.94E-05	0.00E+00
1404	440607.3	3768094	0.000575	0.000701	0.00E+00	6.48E-04	1.02E-03	0.00E+00	1.09E-04	1.74E-04	0.00E+00	4.75E-05	6.96E-05	0.00E+00
1405	440611.1	3768085	0.000576	0.000702	0.00E+00	6.49E-04	1.02E-03	0.00E+00	1.09E-04	1.74E-04	0.00E+00	4.76E-05	6.97E-05	0.00E+00
1406	440614.9	3768076	0.000576	0.000703	0.00E+00	6.50E-04	1.02E-03	0.00E+00	1.09E-04	1.74E-04	0.00E+00	4.77E-05	6.98E-05	0.00E+00
1407	440618.6	3768067	0.000577	0.000703	0.00E+00	6.50E-04	1.02E-03	0.00E+00	1.09E-04	1.74E-04	0.00E+00	4.77E-05	6.98E-05	0.00E+00
1408	440630	3768039	0.000576	0.000702	0.00E+00	6.49E-04	1.02E-03	0.00E+00	1.09E-04	1.74E-04	0.00E+00	4.76E-05	6.97E-05	0.00E+00
1409	440633.7	3768030	0.000575	0.000701	0.00E+00	6.48E-04	1.02E-03	0.00E+00	1.09E-04	1.74E-04	0.00E+00	4.75E-05	6.96E-05	0.00E+00
1410	440637.5	3768021	0.000573	0.000699	0.00E+00	6.46E-04	1.02E-03	0.00E+00	1.08E-04	1.73E-04	0.00E+00	4.74E-05	6.94E-05	0.00E+00
1411	440641.3	3768012	0.000572	0.000697	0.00E+00	6.45E-04	1.01E-03	0.00E+00	1.08E-04	1.73E-04	0.00E+00	4.73E-05	6.92E-05	0.00E+00
1412	440654.2	3767999	0.000576	0.000703	0.00E+00	6.50E-04	1.02E-03	0.00E+00	1.09E-04	1.74E-04	0.00E+00	4.77E-05	6.97E-05	0.00E+00
1413	440919.2	3767890	0.000626	0.000763	0.00E+00	7.06E-04	1.11E-03	0.00E+00	1.18E-04	1.89E-04	0.00E+00	5.18E-05	7.58E-05	0.00E+00
1414	440983.2	3767864	0.000597	0.000728	0.00E+00	6.73E-04	1.06E-03	0.00E+00	1.13E-04	1.80E-04	0.00E+00	4.94E-05	7.23E-05	0.00E+00
1415	440992.3	3767860	0.000592	0.000721	0.00E+00	6.67E-04	1.05E-03	0.00E+00	1.12E-04	1.79E-04	0.00E+00	4.89E-05	7.16E-05	0.00E+00
1416	441001.5	3767857	0.000586	0.000714	0.00E+00	6.61E-04	1.04E-03	0.00E+00	1.11E-04	1.77E-04	0.00E+00	4.85E-05	7.09E-05	0.00E+00
1417	440392.4	3768654	0.000332	0.000405	0.00E+00	3.75E-04	5.89E-04	0.00E+00	6.28E-05	1.00E-04	0.00E+00	2.75E-05	4.02E-05	0.00E+00
1418	440392.4	3768664	0.000329	0.000401	0.00E+00	3.71E-04	5.83E-04	0.00E+00	6.22E-05	9.94E-05	0.00E+00	2.72E-05	3.98E-05	0.00E+00
1419	440392.4	3768674	0.000326	0.000397	0.00E+00	3.67E-04	5.77E-04	0.00E+00	6.16E-05	9.84E-05	0.00E+00	2.69E-05	3.94E-05	0.00E+00
1420	440392.5	3768684	0.000322	0.000393	0.00E+00	3.63E-04	5.71E-04	0.00E+00	6.09E-05	9.73E-05	0.00E+00	2.66E-05	3.90E-05	0.00E+00
1421	440392.5	3768694	0.000319	0.000388	0.00E+00	3.59E-04	5.64E-04	0.00E+00	6.02E-05	9.62E-05	0.00E+00	2.63E-05	3.85E-05	0.00E+00
1422	440392.5	3768704	0.000315	0.000384	0.00E+00	3.55E-04	5.58E-04	0.00E+00	5.95E-05	9.52E-05	0.00E+00	2.60E-05	3.81E-05	0.00E+00
1423	440392.6	3768714	0.000311	0.00038	0.00E+00	3.51E-04	5.52E-04	0.00E+00	5.89E-05	9.41E-05	0.00E+00	2.57E-05	3.77E-05	0.00E+00
1424	440392.6	3768724	0.000308	0.000375	0.00E+00	3.47E-04	5.45E-04	0.00E+00	5.82E-05	9.30E-05	0.00E+00	2.54E-05	3.72E-05	0.00E+00
1425	440392.6	3768734	0.000304	0.000371	0.00E+00	3.43E-04	5.39E-04	0.00E+00	5.75E-05	9.19E-05	0.00E+00	2.51E-05	3.68E-05	0.00E+00
1426	440392.7	3768744	0.0003	0.000366	0.00E+00	3.39E-04	5.32E-04	0.00E+00	5.68E-05	9.08E-05	0.00E+00	2.48E-05	3.64E-05	0.00E+00
1427	440392.7	3768754	0.000297	0.000362	0.00E+00	3.34E-04	5.26E-04	0.00E+00	5.61E-05	8.96E-05	0.00E+00	2.45E-05	3.59E-05	0.00E+00
1428	440392.7	3768764	0.000293	0.000357	0.00E+00	3.30E-04	5.19E-04	0.00E+00	5.54E-05	8.85E-05	0.00E+00	2.42E-05	3.55E-05	0.00E+00
1429	440392.7	3768774	0.000289	0.000353	0.00E+00	3.26E-04	5.13E-04	0.00E+00	5.47E-05	8.74E-05	0.00E+00	2.39E-05	3.50E-05	0.00E+00
1430	440392.8	3768784	0.000286	0.000348	0.00E+00	3.22E-04	5.06E-04	0.00E+00	5.40E-05	8.63E-05	0.00E+00	2.36E-05	3.46E-05	0.00E+00
1431	440392.8	3768794	0.000282	0.000344	0.00E+00	3.18E-04	5.00E-04	0.00E+00	5.33E-05	8.52E-05	0.00E+00	2.33E-05	3.41E-05	0.00E+00
1432	440363.6	3768587	0.000336	0.000409	0.00E+00	3.78E-04	5.95E-04	0.00E+00	6.35E-05	1.01E-04	0.00E+00	2.78E-05	4.06E-05	0.00E+00
1433	440367.4	3768578	0.000341	0.000415	0.00E+00	3.84E-04	6.03E-04	0.00E+00	6.44E-05	1.03E-04	0.00E+00	2.82E-05	4.12E-05	0.00E+00
1434	440594.1	3768029	0.000539	0.000657	0.00E+00	6.08E-04	9.55E-04	0.00E+00	1.02E-04	1.63E-04	0.00E+00	4.46E-05	6.52E-05	0.00E+00
1435	440597.9	3768020	0.000539	0.000657	0.00E+00	6.07E-04	9.55E-04	0.00E+00	1.02E-04	1.63E-04	0.00E+00	4.45E-05	6.52E-05	0.00E+00
1436	440601.7	3768011	0.000538	0.000656	0.00E+00	6.07E-04	9.54E-04	0.00E+00	1.02E-04	1.63E-04	0.00E+00	4.45E-05	6.51E-05	0.00E+00
1437	440605.5	3768002	0.000537	0.000655	0.00E+00	6.06E-04	9.52E-04	0.00E+00	1.02E-04	1.62E-04	0.00E+00	4.44E-05	6.50E-05	0.00E+00
1438	440352.4	3768664	0.000307	0.000374	0.00E+00	3.46E-04	5.44E-04	0.00E+00	5.80E-05	9.27E-05	0.00E+00	2.54E-05	3.72E-05	0.00E+00
1439	440352.4	3768674	0.000304	0.00037	0.00E+00	3.43E-04	5.39E-04	0.00E+00	5.75E-05	9.18E-05	0.00E+00	2.51E-05	3.68E-05	0.00E+00
1440	440352.5	3768684	0.000301	0.000367	0.00E+00	3.39E-04	5.33E-04	0.00E+00	5.69E-05	9.09E-05	0.00E+00	2.49E-05	3.64E-05	0.00E+00
1441	440352.5	3768694	0.000298	0.000363	0.00E+00	3.36E-04	5.27E-04	0.00E+00	5.63E-05	8.99E-05	0.00E+00	2.46E-05	3.60E-05	0.00E+00
1442	440352.5	3768704	0.000295	0.000359	0.00E+00	3.32E-04	5.22E-04	0.00E+00	5.57E-05	8.90E-05	0.00E+00	2.44E-05	3.56E-05	0.00E+00
1443	440352.6	3768714	0.000291	0.000355	0.00E+00	3.28E-04	5.16E-04	0.00E+00	5.51E-05	8.80E-05	0.00E+00	2.41E-05	3.53E-05	0.00E+00
1444	440352.6	3768724	0.000288	0.000351	0.00E+00	3.25E-04	5.11E-04	0.00E+00	5.45E-05	8.70E-05	0.00E+00	2.38E-05	3.49E-05	0.00E+00
1445	440352.6	3768734	0.000285	0.000347	0.00E+00	3.21E-04	5.05E-04	0.00E+00	5.38E-05	8.61E-05	0.00E+00	2.36E-05	3.45E-05	0.00E+00
1446	440352.7	3768744	0.000282	0.000343	0.00E+00	3.17E-04	4.99E-04	0.00E+00	5.32E-05	8.51E-05	0.00E+00	2.33E-05	3.41E-05	0.00E+00
1447	440352.7	3768754	0.000278	0.000339	0.00E+00	3.14E-04	4.93E-04	0.00E+00	5.26E-05	8.41E-05	0.00E+00	2.30E-05	3.37E-05	0.00E+00
1448	440352.7	3768764	0.000275	0.000335	0.00E+00	3.10E-04	4.87E-04	0.00E+00	5.20E-05	8.31E-05	0.00E+00	2.27E-05	3.33E-05	0.00E+00
1449	440352.7	3768774	0.000272	0.000331	0.00E+00	3.06E-04	4.81E-04	0.00E+00	5.13E-05	8.21E-05	0.00E+00	2.25E-05	3.29E-05	0.00E+00
1450	440352.8	3768784	0.000268	0.000327	0.00E+00	3.02E-04	4.75E-04	0.00E+00	5.07E-05	8.11E-05	0.00E+00	2.22E-05	3.25E-05	0.00E+00
1451	440352.8	3768794	0.000265	0.000323	0.00E+00	2.99E-04	4.70E-04	0.00E+00	5.01E-05	8.00E-05	0.00E+00	2.19E-05	3.21E-05	0.00E+00
1452	441181.6	3768813	0.003008	0.003667	0.00E+00	3.39E-03	5.33E-03	0.00E+00	5.69E-04	9.09E-04	0.00E+00	2.49E-04	3.64E-04	0.00E+00
1453	441161.6	3768813	0.002623	0.003198	0.00E+00	2.96E-03	4.65E-03	0.00E+00	4.96E-04	7.92E-04	0.00E+00	2.17E-04	3.17E-04	0.00E+00

1454	441147.5	3768827	0.002163	0.002636	0.00E+00	2.44E-03	3.83E-03	0.00E+00	4.09E-04	6.53E-04	0.00E+00	1.79E-04	2.62E-04	0.00E+00
1455	441141.6	3768813	0.002311	0.002817	0.00E+00	2.60E-03	4.09E-03	0.00E+00	4.37E-04	6.98E-04	0.00E+00	1.91E-04	2.80E-04	0.00E+00
1456	441127.5	3768827	0.001937	0.002361	0.00E+00	2.18E-03	3.43E-03	0.00E+00	3.66E-04	5.85E-04	0.00E+00	1.60E-04	2.34E-04	0.00E+00
1457	441121.6	3768813	0.002054	0.002504	0.00E+00	2.32E-03	3.64E-03	0.00E+00	3.88E-04	6.21E-04	0.00E+00	1.70E-04	2.49E-04	0.00E+00
1458	441113.4	3768841	0.001651	0.002013	0.00E+00	1.86E-03	2.93E-03	0.00E+00	3.12E-04	4.99E-04	0.00E+00	1.37E-04	2.00E-04	0.00E+00
1459	441107.5	3768827	0.001748	0.002131	0.00E+00	1.97E-03	3.10E-03	0.00E+00	3.30E-04	5.28E-04	0.00E+00	1.45E-04	2.12E-04	0.00E+00
1460	441101.6	3768813	0.001842	0.002246	0.00E+00	2.08E-03	3.26E-03	0.00E+00	3.48E-04	5.57E-04	0.00E+00	1.52E-04	2.23E-04	0.00E+00
1461	441093.4	3768841	0.001507	0.001837	0.00E+00	1.70E-03	2.67E-03	0.00E+00	2.85E-04	4.55E-04	0.00E+00	1.25E-04	1.82E-04	0.00E+00
1462	441087.5	3768827	0.001587	0.001935	0.00E+00	1.79E-03	2.81E-03	0.00E+00	3.00E-04	4.79E-04	0.00E+00	1.31E-04	1.92E-04	0.00E+00
1463	441021.6	3768909	0.000845	0.00103	0.00E+00	9.53E-04	1.50E-03	0.00E+00	1.60E-04	2.55E-04	0.00E+00	6.99E-05	1.02E-04	0.00E+00
1464	441015.5	3768895	0.000882	0.001075	0.00E+00	9.94E-04	1.56E-03	0.00E+00	1.67E-04	2.66E-04	0.00E+00	7.29E-05	1.07E-04	0.00E+00
1465	441001.5	3768909	0.000799	0.000974	0.00E+00	9.01E-04	1.42E-03	0.00E+00	1.51E-04	2.41E-04	0.00E+00	6.61E-05	9.67E-05	0.00E+00
1466	440995.4	3768894	0.000831	0.001014	0.00E+00	9.37E-04	1.47E-03	0.00E+00	1.57E-04	2.51E-04	0.00E+00	6.87E-05	1.01E-04	0.00E+00
1467	440967.3	3768923	0.000691	0.000842	0.00E+00	7.79E-04	1.22E-03	0.00E+00	1.31E-04	2.09E-04	0.00E+00	5.71E-05	8.36E-05	0.00E+00
1468	440961.3	3768909	0.000717	0.000873	0.00E+00	8.08E-04	1.27E-03	0.00E+00	1.35E-04	2.16E-04	0.00E+00	5.92E-05	8.67E-05	0.00E+00
1469	440955.2	3768894	0.000743	0.000905	0.00E+00	8.37E-04	1.32E-03	0.00E+00	1.40E-04	2.24E-04	0.00E+00	6.14E-05	8.99E-05	0.00E+00
1470	440921.1	3768908	0.000647	0.000789	0.00E+00	7.29E-04	1.15E-03	0.00E+00	1.22E-04	1.96E-04	0.00E+00	5.35E-05	7.83E-05	0.00E+00
1471	440915.1	3768894	0.000668	0.000815	0.00E+00	7.53E-04	1.18E-03	0.00E+00	1.26E-04	2.02E-04	0.00E+00	5.52E-05	8.09E-05	0.00E+00
1472	440879.1	3768904	0.000593	0.000722	0.00E+00	6.68E-04	1.05E-03	0.00E+00	1.12E-04	1.79E-04	0.00E+00	4.90E-05	7.17E-05	0.00E+00
1473	440872.9	3768889	0.00061	0.000744	0.00E+00	6.88E-04	1.08E-03	0.00E+00	1.15E-04	1.84E-04	0.00E+00	5.05E-05	7.38E-05	0.00E+00
1474	441230.7	3769242	0.000353	0.00043	0.00E+00	3.98E-04	6.26E-04	0.00E+00	6.68E-05	1.07E-04	0.00E+00	2.92E-05	4.27E-05	0.00E+00
1475	441215.9	3769236	0.000356	0.000434	0.00E+00	4.01E-04	6.30E-04	0.00E+00	6.72E-05	1.07E-04	0.00E+00	2.94E-05	4.30E-05	0.00E+00
1476	441201.1	3769230	0.000358	0.000437	0.00E+00	4.04E-04	6.35E-04	0.00E+00	6.77E-05	1.08E-04	0.00E+00	2.96E-05	4.33E-05	0.00E+00
1477	441186.4	3769224	0.00036	0.000439	0.00E+00	4.06E-04	6.38E-04	0.00E+00	6.80E-05	1.09E-04	0.00E+00	2.98E-05	4.36E-05	0.00E+00
1478	441171.6	3769218	0.000362	0.000441	0.00E+00	4.08E-04	6.41E-04	0.00E+00	6.84E-05	1.09E-04	0.00E+00	2.99E-05	4.38E-05	0.00E+00
1479	441156.8	3769212	0.00036	0.000439	0.00E+00	4.06E-04	6.39E-04	0.00E+00	6.81E-05	1.09E-04	0.00E+00	2.98E-05	4.36E-05	0.00E+00
1480	441260.9	3769251	0.000352	0.000429	0.00E+00	3.97E-04	6.24E-04	0.00E+00	6.65E-05	1.06E-04	0.00E+00	2.91E-05	4.26E-05	0.00E+00
1481	441277	3769251	0.000356	0.000434	0.00E+00	4.02E-04	6.32E-04	0.00E+00	6.74E-05	1.08E-04	0.00E+00	2.95E-05	4.31E-05	0.00E+00
1482	441186.6	3769264	0.000317	0.000386	0.00E+00	3.57E-04	5.61E-04	0.00E+00	5.98E-05	9.56E-05	0.00E+00	2.62E-05	3.83E-05	0.00E+00
1483	441171.9	3769258	0.000319	0.000389	0.00E+00	3.60E-04	5.65E-04	0.00E+00	6.03E-05	9.64E-05	0.00E+00	2.64E-05	3.86E-05	0.00E+00
1484	441157.2	3769252	0.000321	0.000391	0.00E+00	3.62E-04	5.69E-04	0.00E+00	6.07E-05	9.70E-05	0.00E+00	2.65E-05	3.88E-05	0.00E+00
1485	441142.5	3769246	0.000322	0.000393	0.00E+00	3.63E-04	5.71E-04	0.00E+00	6.09E-05	9.74E-05	0.00E+00	2.67E-05	3.90E-05	0.00E+00
1486	441127.8	3769240	0.000323	0.000394	0.00E+00	3.64E-04	5.73E-04	0.00E+00	6.11E-05	9.77E-05	0.00E+00	2.67E-05	3.91E-05	0.00E+00
1487	441113.1	3769234	0.000324	0.000395	0.00E+00	3.65E-04	5.74E-04	0.00E+00	6.12E-05	9.78E-05	0.00E+00	2.68E-05	3.92E-05	0.00E+00
1488	441098.4	3769228	0.000325	0.000396	0.00E+00	3.66E-04	5.75E-04	0.00E+00	6.13E-05	9.80E-05	0.00E+00	2.68E-05	3.93E-05	0.00E+00
1489	441083.6	3769222	0.000325	0.000396	0.00E+00	3.66E-04	5.76E-04	0.00E+00	6.14E-05	9.81E-05	0.00E+00	2.69E-05	3.93E-05	0.00E+00
1490	441068.9	3769215	0.000325	0.000396	0.00E+00	3.67E-04	5.76E-04	0.00E+00	6.15E-05	9.83E-05	0.00E+00	2.69E-05	3.94E-05	0.00E+00
1491	441054.2	3769209	0.000325	0.000397	0.00E+00	3.67E-04	5.77E-04	0.00E+00	6.15E-05	9.83E-05	0.00E+00	2.69E-05	3.94E-05	0.00E+00
1492	440798.7	3768903	0.000494	0.000603	0.00E+00	5.57E-04	8.76E-04	0.00E+00	9.34E-05	1.49E-04	0.00E+00	4.09E-05	5.98E-05	0.00E+00
1493	440786.5	3768874	0.000518	0.000632	0.00E+00	5.84E-04	9.18E-04	0.00E+00	9.79E-05	1.57E-04	0.00E+00	4.28E-05	6.27E-05	0.00E+00
1494	441084.2	3769262	0.000293	0.000357	0.00E+00	3.30E-04	5.19E-04	0.00E+00	5.54E-05	8.85E-05	0.00E+00	2.42E-05	3.54E-05	0.00E+00
1495	441069.5	3769256	0.000293	0.000358	0.00E+00	3.31E-04	5.20E-04	0.00E+00	5.55E-05	8.86E-05	0.00E+00	2.43E-05	3.55E-05	0.00E+00
1496	441054.8	3769250	0.000294	0.000358	0.00E+00	3.31E-04	5.20E-04	0.00E+00	5.55E-05	8.87E-05	0.00E+00	2.43E-05	3.55E-05	0.00E+00
1497	441040.2	3769244	0.000293	0.000358	0.00E+00	3.31E-04	5.20E-04	0.00E+00	5.54E-05	8.86E-05	0.00E+00	2.43E-05	3.55E-05	0.00E+00
1498	441025.5	3769238	0.000293	0.000357	0.00E+00	3.30E-04	5.19E-04	0.00E+00	5.54E-05	8.85E-05	0.00E+00	2.42E-05	3.55E-05	0.00E+00
1499	441010.8	3769231	0.000293	0.000357	0.00E+00	3.30E-04	5.19E-04	0.00E+00	5.53E-05	8.84E-05	0.00E+00	2.42E-05	3.54E-05	0.00E+00
1500	440996.2	3769225	0.000292	0.000356	0.00E+00	3.29E-04	5.17E-04	0.00E+00	5.52E-05	8.82E-05	0.00E+00	2.41E-05	3.53E-05	0.00E+00
1501	440981.5	3769219	0.000291	0.000354	0.00E+00	3.27E-04	5.15E-04	0.00E+00	5.49E-05	8.78E-05	0.00E+00	2.40E-05	3.52E-05	0.00E+00
1502	440966.9	3769213	0.000289	0.000353	0.00E+00	3.26E-04	5.13E-04	0.00E+00	5.47E-05	8.74E-05	0.00E+00	2.39E-05	3.50E-05	0.00E+00
1503	440952.2	3769207	0.000289	0.000352	0.00E+00	3.26E-04	5.12E-04	0.00E+00	5.46E-05	8.73E-05	0.00E+00	2.39E-05	3.50E-05	0.00E+00
1504	440937.5	3769201	0.000288	0.000351	0.00E+00	3.25E-04	5.10E-04	0.00E+00	5.45E-05	8.70E-05	0.00E+00	2.38E-05	3.49E-05	0.00E+00
1505	440770.8	3768932	0.000434	0.000529	0.00E+00	4.89E-04	7.69E-04	0.00E+00	8.20E-05	1.31E-04	0.00E+00	3.59E-05	5.25E-05	0.00E+00
1506	440764.7	3768918	0.000444	0.000542	0.00E+00	5.01E-04	7.87E-04	0.00E+00	8.40E-05	1.34E-04	0.00E+00	3.67E-05	5.38E-05	0.00E+00
1507	440758.6	3768903	0.000454	0.000554	0.00E+00	5.12E-04	8.05E-04	0.00E+00	8.59E-05	1.37E-04	0.00E+00	3.76E-05	5.50E-05	0.00E+00
1508	441066.7	3769295	0.000265	0.000323	0.00E+00	2.99E-04	4.70E-04	0.00E+00	5.01E-05	8.01E-05	0.00E+00	2.19E-05	3.21E-05	0.00E+00
1509	441051.8	3769288	0.000265	0.000324	0.00E+00	2.99E-04	4.70E-04	0.00E+00	5.02E-05	8.02E-05	0.00E+00	2.19E-05	3.21E-05	0.00E+00
1510	441036.9	3769282	0.000266	0.000324	0.00E+00	2.99E-04	4.71E-04	0.00E+00	5.02E-05	8.03E-05	0.00E+00	2.20E-05	3.22E-05	0.00E+00
1511	441022	3769276	0.000266	0.000324	0.00E+00	2.99E-04	4.71E-04	0.00E+00	5.02E-05	8.02E-05	0.00E+00	2.20E-05	3.21E-05	0.00E+00
1512	441007.1	3769270	0.000265	0.000324	0.00E+00	2.99E-04	4.70E-04	0.00E+00	5.02E-05	8.02E-05	0.00E+00	2.19E-05	3.21E-05	0.00E+00
1513	440992.2	3769264	0.000265	0.000323	0.00E+00	2.98E-04	4.69E-04	0.00E+00	5.00E-05	7.99E-05	0.00E+00	2.19E-05	3.20E-05	0.00E+00
1514	440947.5	3769245	0.000262	0.00032	0.00E+00	2.95E-04	4.65E-04	0.00E+00	4.96E-05	7.92E-05	0.00E+00	2.17E-05	3.17E-05	0.00E+00
1515	440932.6	3769239	0.000262	0.000319	0.00E+00	2.95E-04	4.64E-04	0.00E+00	4.95E-05	7.90E-05	0.00E+00	2.16E-05	3.17E-05	0.00E+00
1516	440917.8	3769233	0.000261	0.000318	0.00E+00	2.94E-04	4.62E-04	0.00E+00	4.93E-05	7.88E-05	0.00E+00	2.16E-05	3.16E-05	0.00E+00
1517	440902.9	3769227	0.000259	0.000316	0.00E+00	2.92E-04	4.60E-04	0.00E+00	4.90E-05	7.84E-05	0.00E+00	2.14E-05	3.14E-05	0.00E+00
1518	440888	3769221	0.000258	0.000314	0.00E+00	2.90E-04	4.56E-04	0.00E+00	4.87E-05	7.78E-05	0.00E+00	2.13E-05	3.12E-05	0.00E+00
1519	440873.1	3769215	0.000256	0.000312	0.00E+00	2.88E-04	4.53E-04	0.00E+00	4.84E-05	7.73E-05	0.00E+00	2.12E-05	3.10E-05	0.00E+00
1520	440858.2	3769208	0.000254	0.00031	0.00E+00	2.86E-04	4.50E-04	0.00E+00	4.80E-05	7.68E-05	0.00E+00	2.10E-05	3.08E-05	0.00E+00
1521	440734.8	3768942	0.000396	0.000482	0.00E+00	4.46E-04	7.01E-04	0.00E+00	7.48E-05	1.20E-04	0.00E+00	3.27E-05	4.79E-05	0.00E+00
1522	440728.6	3768927	0.000405	0.000493	0.00E+00	4.56E-04	7.17E-04	0.00E+00	7.65E-05	1.22E-04	0.00E+00	3.35E-05	4.90E-05	0.00E+00
1523	440722.4	3768912	0.000414	0.000504	0.00E+00	4.66E-04	7.33E-04	0.00E+00	7.82E-05	1.25E-04	0.00E+00	3.42E-05	5.01E-05	0.00E+00
1524	440716.2	3768897	0.000422	0.000515	0.00E+00	4.76E-04	7.48E-04	0.00E+00	7.98E-05	1.28E-04	0.00E+00	3.49E-05	5.11E-05	0.00E+00
1525	441008	3769310	0.000242	0.000295	0.00E+00	2.73E-04	4.29E-04	0.00E+00	4.58E-05	7.32E-05	0.00E+00	2.00E-05	2.93E-05	0.00E+00
1526	440993.1	3769304	0.000242	0.000295	0.00E+00	2.73E-04	4.28E-04	0.00E+00	4.57E-05	7.31E-05	0.00E+00	2.00E-05	2.93E-05	0.00E+00
1527	440978.3	3769298	0.000241	0.000294	0.00E+00	2.71E-04	4.27E-04	0.00E+00	4.55E-05	7.27E-05	0.00E+00	1.99E-05	2.91E-05	0.00E+00
1528	440859.6	3769249	0.000235	0.000286	0.00E+00	2.64E-04	4.16E-04	0.00E+00	4.43E-05	7.09E-05	0.00E+00	1.94E-05	2.84E-05	0.00E+00
1529	440844.7	3769243	0.000233	0.000284	0.00E+00	2.63E-04	4.13E-04	0.00E+00	4.40E-05	7.04E-05	0.00E+00	1.93E-05	2.82E-05	0.00E+00
1530	440829.9	3769237	0.000232	0.000282	0.00E+00	2.61E-04	4.10E-04	0.00E+00	4.38E-05	6.99E-05	0.00E+00	1.91E-05	2.80E-05	0.00E+00
1531	440964.3	3769332	0.000222	0.00027	0.00E+00	2.50E-04	3.93E-04	0.00E+00	4.19E-05	6.69E-05	0.00E+00	1.83E-05	2.68E-05	0.00E+00
1532	440949.5	3769326	0.000221	0.00027	0.00E+00	2.49E-04	3.92E-04	0.00E+00	4.18E-05	6.68E-05	0.00E+00	1.83E-05	2.68E-05	0.00E+00
1533	440934.7	3769320	0.000221	0.000269	0.00E+00	2.49E-04	3.91E-04	0.00E+00	4.17E-05	6.67E-05	0.00E+00	1.83E-05	2.67E-05	0.00E+00
1534	441245.4	3769488	0.000187	0.000228	0.00E+00	2.11E-04	3.31E-04	0.00E+00	3.53E-05	5.65E-05	0.00E+00	1.55E-05	2.26E-05	0.00E+00
1535	441230.7	3769482	0.000188	0.000229	0.00E+00	2.12E-04	3.33E-04	0.00E+00	3.55E-05	5.68E-05	0.00E+00	1.55E-05	2.27E-05	0.00E+00
1536	441215.9	3769476	0.000189	0.00023	0.00E+00	2.13E-04	3.35E-04	0.00E+00	3.57E-05	5.71E-05	0.00E+00	1.56E-05	2.29E-05	0.00E+00
1537	441024.1	3769397	0.000205	0.000249	0.00E+00	2.31E-04	3.63E-04	0.00E+00	3.87E-05	6.18E-05	0.00E+00	1.69E-05	2.48E-05	0.00E+00
1538	440935.6	3769360	0.000204	0.000249	0.00E+00	2.30E-04	3.62E-04	0.00E+00	3.86E-05	6.17E-05	0.00E+00	1.69E-05	2.47E-05	0.00E+00
1539	440773.3	3769293	0.000195	0.000238	0.00E+00	2.20E-04	3.46E-04	0.00E+00	3.69E-05	5.90E-05	0.00E+00	1.62E-05	2.36E-05	0.00E+00
1540	440755.5	3769280	0.000197	0.00024	0.00E+00	2.22E-04	3.48E-04	0.00E+00	3.72E-05	5.94E-05	0.00E+00	1.63E-05	2.38E-05	0.00E+00
1541	440749.4	3769265	0.000201	0.000245	0.00E+00	2.26E-04	3.56E-04	0.00E+00	3.79E-05	6.06E-05	0.00E+00	1.66E-05	2.43E-05	0.00E+00
1542	440743.2	3769250	0.000205	0.00025	0.00E+00	2.31E-04	3.64E-04	0.00E+00	3.88E-05	6.20E-05	0.00E+00	1.70E-05	2.48E-05	0.00E+00
1543	440571.2	3768838	0.000359	0.000438	0.00E+00	4.05E-04	6.36E-04	0.00E+00	6.79E-05	1.08E-04	0.00E+00	2.97E-05	4.35E-05	0.00E+00
1544	440565.1	3768823	0.000364	0.000444	0.00E+00	4.10E-04	6.45E-04	0.00E+00	6.88E-05	1.10E-04	0.00E+00	3.01E-05	4.41E-05	0.00E+00

1545	440559	3768808	0.000369	0.00045	0.00E+00	4.16E-04	6.54E-04	0.00E+00	6.97E-05	1.11E-04	0.00E+00	3.05E-05	4.46E-05	0.00E+00
1546	441260.9	3769491	0.000187	0.000228	0.00E+00	2.11E-04	3.32E-04	0.00E+00	3.54E-05	5.66E-05	0.00E+00	1.55E-05	2.27E-05	0.00E+00
1547	441277	3769491	0.000189	0.00023	0.00E+00	2.13E-04	3.34E-04	0.00E+00	3.57E-05	5.70E-05	0.00E+00	1.56E-05	2.28E-05	0.00E+00
1548	441245.4	3769528	0.000172	0.00021	0.00E+00	1.94E-04	3.05E-04	0.00E+00	3.26E-05	5.21E-05	0.00E+00	1.43E-05	2.09E-05	0.00E+00
1549	441230.7	3769522	0.000174	0.000212	0.00E+00	1.96E-04	3.08E-04	0.00E+00	3.28E-05	5.24E-05	0.00E+00	1.43E-05	2.10E-05	0.00E+00
1550	441216	3769516	0.000175	0.000213	0.00E+00	1.97E-04	3.09E-04	0.00E+00	3.30E-05	5.27E-05	0.00E+00	1.44E-05	2.11E-05	0.00E+00
1551	441186.6	3769504	0.000177	0.000216	0.00E+00	2.00E-04	3.14E-04	0.00E+00	3.35E-05	5.36E-05	0.00E+00	1.47E-05	2.15E-05	0.00E+00
1552	441171.9	3769498	0.000178	0.000218	0.00E+00	2.01E-04	3.16E-04	0.00E+00	3.37E-05	5.39E-05	0.00E+00	1.48E-05	2.16E-05	0.00E+00
1553	441157.1	3769492	0.000179	0.000219	0.00E+00	2.02E-04	3.18E-04	0.00E+00	3.39E-05	5.42E-05	0.00E+00	1.48E-05	2.17E-05	0.00E+00
1554	441142.4	3769486	0.000181	0.00022	0.00E+00	2.04E-04	3.20E-04	0.00E+00	3.42E-05	5.46E-05	0.00E+00	1.49E-05	2.19E-05	0.00E+00
1555	441127.7	3769480	0.000182	0.000222	0.00E+00	2.05E-04	3.22E-04	0.00E+00	3.44E-05	5.50E-05	0.00E+00	1.50E-05	2.20E-05	0.00E+00
1556	441113	3769474	0.000183	0.000223	0.00E+00	2.07E-04	3.25E-04	0.00E+00	3.46E-05	5.54E-05	0.00E+00	1.52E-05	2.22E-05	0.00E+00
1557	441024.7	3769437	0.000188	0.000229	0.00E+00	2.11E-04	3.32E-04	0.00E+00	3.54E-05	5.67E-05	0.00E+00	1.55E-05	2.27E-05	0.00E+00
1558	440721.1	3769293	0.000185	0.000226	0.00E+00	2.09E-04	3.28E-04	0.00E+00	3.50E-05	5.59E-05	0.00E+00	1.53E-05	2.24E-05	0.00E+00
1559	440715	3769279	0.000189	0.00023	0.00E+00	2.13E-04	3.35E-04	0.00E+00	3.57E-05	5.71E-05	0.00E+00	1.56E-05	2.29E-05	0.00E+00
1560	440708.9	3769264	0.000193	0.000235	0.00E+00	2.17E-04	3.42E-04	0.00E+00	3.65E-05	5.83E-05	0.00E+00	1.59E-05	2.33E-05	0.00E+00
1561	440702.8	3769249	0.000197	0.00024	0.00E+00	2.22E-04	3.49E-04	0.00E+00	3.72E-05	5.95E-05	0.00E+00	1.63E-05	2.38E-05	0.00E+00
1562	440549.6	3768882	0.00032	0.00039	0.00E+00	3.61E-04	5.67E-04	0.00E+00	6.05E-05	9.67E-05	0.00E+00	2.65E-05	3.87E-05	0.00E+00
1563	440543.4	3768867	0.000325	0.000396	0.00E+00	3.66E-04	5.75E-04	0.00E+00	6.14E-05	9.81E-05	0.00E+00	2.69E-05	3.93E-05	0.00E+00
1564	440537.3	3768852	0.000329	0.000402	0.00E+00	3.71E-04	5.84E-04	0.00E+00	6.23E-05	9.95E-05	0.00E+00	2.72E-05	3.99E-05	0.00E+00
1565	440531.2	3768838	0.000334	0.000407	0.00E+00	3.77E-04	5.92E-04	0.00E+00	6.31E-05	1.01E-04	0.00E+00	2.76E-05	4.04E-05	0.00E+00
1566	440525.1	3768823	0.000338	0.000413	0.00E+00	3.81E-04	6.00E-04	0.00E+00	6.40E-05	1.02E-04	0.00E+00	2.80E-05	4.10E-05	0.00E+00
1567	440518.9	3768808	0.000343	0.000418	0.00E+00	3.86E-04	6.07E-04	0.00E+00	6.48E-05	1.03E-04	0.00E+00	2.83E-05	4.15E-05	0.00E+00
1568	441260.9	3769531	0.000172	0.000209	0.00E+00	1.94E-04	3.05E-04	0.00E+00	3.25E-05	5.19E-05	0.00E+00	1.42E-05	2.08E-05	0.00E+00
1569	441277	3769531	0.000173	0.00021	0.00E+00	1.95E-04	3.06E-04	0.00E+00	3.26E-05	5.22E-05	0.00E+00	1.43E-05	2.09E-05	0.00E+00
1570	441230.5	3769562	0.00016	0.000195	0.00E+00	1.81E-04	2.84E-04	0.00E+00	3.03E-05	4.84E-05	0.00E+00	1.33E-05	1.94E-05	0.00E+00
1571	441215.6	3769556	0.000162	0.000197	0.00E+00	1.82E-04	2.87E-04	0.00E+00	3.06E-05	4.89E-05	0.00E+00	1.34E-05	1.96E-05	0.00E+00
1572	441170.9	3769538	0.000165	0.000201	0.00E+00	1.86E-04	2.93E-04	0.00E+00	3.12E-05	4.99E-05	0.00E+00	1.37E-05	2.00E-05	0.00E+00
1573	441156.1	3769531	0.000166	0.000203	0.00E+00	1.87E-04	2.95E-04	0.00E+00	3.14E-05	5.02E-05	0.00E+00	1.38E-05	2.01E-05	0.00E+00
1574	441141.2	3769525	0.000167	0.000203	0.00E+00	1.88E-04	2.96E-04	0.00E+00	3.15E-05	5.04E-05	0.00E+00	1.38E-05	2.02E-05	0.00E+00
1575	441126.3	3769519	0.000167	0.000204	0.00E+00	1.89E-04	2.96E-04	0.00E+00	3.16E-05	5.05E-05	0.00E+00	1.38E-05	2.02E-05	0.00E+00
1576	441111.4	3769513	0.000168	0.000205	0.00E+00	1.89E-04	2.98E-04	0.00E+00	3.18E-05	5.08E-05	0.00E+00	1.39E-05	2.03E-05	0.00E+00
1577	441096.5	3769507	0.000169	0.000206	0.00E+00	1.90E-04	2.99E-04	0.00E+00	3.19E-05	5.10E-05	0.00E+00	1.40E-05	2.04E-05	0.00E+00
1578	441081.6	3769501	0.00017	0.000207	0.00E+00	1.91E-04	3.00E-04	0.00E+00	3.21E-05	5.12E-05	0.00E+00	1.40E-05	2.05E-05	0.00E+00
1579	441066.8	3769495	0.00017	0.000208	0.00E+00	1.92E-04	3.02E-04	0.00E+00	3.22E-05	5.15E-05	0.00E+00	1.41E-05	2.06E-05	0.00E+00
1580	441051.9	3769488	0.000171	0.000208	0.00E+00	1.93E-04	3.03E-04	0.00E+00	3.23E-05	5.17E-05	0.00E+00	1.41E-05	2.07E-05	0.00E+00
1581	441037	3769482	0.000172	0.000209	0.00E+00	1.94E-04	3.04E-04	0.00E+00	3.25E-05	5.19E-05	0.00E+00	1.42E-05	2.08E-05	0.00E+00
1582	441022.1	3769476	0.000172	0.00021	0.00E+00	1.94E-04	3.06E-04	0.00E+00	3.26E-05	5.21E-05	0.00E+00	1.43E-05	2.09E-05	0.00E+00
1583	440992.3	3769464	0.000174	0.000212	0.00E+00	1.96E-04	3.09E-04	0.00E+00	3.29E-05	5.27E-05	0.00E+00	1.44E-05	2.11E-05	0.00E+00
1584	440977.4	3769458	0.000175	0.000214	0.00E+00	1.97E-04	3.10E-04	0.00E+00	3.31E-05	5.29E-05	0.00E+00	1.45E-05	2.12E-05	0.00E+00
1585	440962.6	3769451	0.000176	0.000214	0.00E+00	1.98E-04	3.11E-04	0.00E+00	3.32E-05	5.31E-05	0.00E+00	1.45E-05	2.13E-05	0.00E+00
1586	440947.7	3769445	0.000176	0.000215	0.00E+00	1.98E-04	3.12E-04	0.00E+00	3.33E-05	5.32E-05	0.00E+00	1.46E-05	2.13E-05	0.00E+00
1587	440932.8	3769439	0.000176	0.000215	0.00E+00	1.99E-04	3.12E-04	0.00E+00	3.33E-05	5.32E-05	0.00E+00	1.46E-05	2.13E-05	0.00E+00
1588	440917.9	3769433	0.000176	0.000215	0.00E+00	1.98E-04	3.12E-04	0.00E+00	3.33E-05	5.32E-05	0.00E+00	1.46E-05	2.13E-05	0.00E+00
1589	440680.4	3769292	0.000178	0.000217	0.00E+00	2.01E-04	3.16E-04	0.00E+00	3.37E-05	5.38E-05	0.00E+00	1.47E-05	2.15E-05	0.00E+00
1590	440674.2	3769277	0.000182	0.000221	0.00E+00	2.05E-04	3.22E-04	0.00E+00	3.43E-05	5.49E-05	0.00E+00	1.50E-05	2.20E-05	0.00E+00
1591	440668	3769262	0.000185	0.000226	0.00E+00	2.09E-04	3.29E-04	0.00E+00	3.51E-05	5.60E-05	0.00E+00	1.53E-05	2.24E-05	0.00E+00
1592	440661.8	3769247	0.000189	0.000231	0.00E+00	2.14E-04	3.36E-04	0.00E+00	3.58E-05	5.72E-05	0.00E+00	1.57E-05	2.29E-05	0.00E+00
1593	440537.9	3768950	0.000279	0.00034	0.00E+00	3.15E-04	4.95E-04	0.00E+00	5.28E-05	8.43E-05	0.00E+00	2.31E-05	3.38E-05	0.00E+00
1594	440531.7	3768935	0.000284	0.000346	0.00E+00	3.20E-04	5.03E-04	0.00E+00	5.36E-05	8.57E-05	0.00E+00	2.35E-05	3.43E-05	0.00E+00
1595	440525.5	3768920	0.000288	0.000351	0.00E+00	3.25E-04	5.11E-04	0.00E+00	5.45E-05	8.71E-05	0.00E+00	2.38E-05	3.49E-05	0.00E+00
1596	440519.3	3768905	0.000293	0.000357	0.00E+00	3.30E-04	5.19E-04	0.00E+00	5.53E-05	8.85E-05	0.00E+00	2.42E-05	3.54E-05	0.00E+00
1597	440513.1	3768890	0.000297	0.000362	0.00E+00	3.35E-04	5.27E-04	0.00E+00	5.62E-05	8.98E-05	0.00E+00	2.46E-05	3.60E-05	0.00E+00
1598	440506.9	3768876	0.000301	0.000367	0.00E+00	3.40E-04	5.34E-04	0.00E+00	5.70E-05	9.10E-05	0.00E+00	2.49E-05	3.65E-05	0.00E+00
1599	440500.7	3768861	0.000305	0.000372	0.00E+00	3.44E-04	5.41E-04	0.00E+00	5.77E-05	9.23E-05	0.00E+00	2.53E-05	3.70E-05	0.00E+00
1600	440494.5	3768846	0.000309	0.000377	0.00E+00	3.49E-04	5.48E-04	0.00E+00	5.85E-05	9.35E-05	0.00E+00	2.56E-05	3.74E-05	0.00E+00
1601	440488.3	3768831	0.000313	0.000382	0.00E+00	3.53E-04	5.55E-04	0.00E+00	5.92E-05	9.46E-05	0.00E+00	2.59E-05	3.79E-05	0.00E+00
1602	440482.1	3768816	0.000317	0.000386	0.00E+00	3.57E-04	5.62E-04	0.00E+00	5.99E-05	9.58E-05	0.00E+00	2.62E-05	3.84E-05	0.00E+00
1603	441245.4	3769608	0.000148	0.000181	0.00E+00	1.67E-04	2.62E-04	0.00E+00	2.80E-05	4.47E-05	0.00E+00	1.22E-05	1.79E-05	0.00E+00
1604	441230.5	3769602	0.000149	0.000182	0.00E+00	1.68E-04	2.64E-04	0.00E+00	2.82E-05	4.50E-05	0.00E+00	1.23E-05	1.80E-05	0.00E+00
1605	441215.7	3769596	0.00015	0.000183	0.00E+00	1.69E-04	2.65E-04	0.00E+00	2.83E-05	4.53E-05	0.00E+00	1.24E-05	1.81E-05	0.00E+00
1606	441141.5	3769565	0.000154	0.000188	0.00E+00	1.74E-04	2.74E-04	0.00E+00	2.92E-05	4.67E-05	0.00E+00	1.28E-05	1.87E-05	0.00E+00
1607	441126.6	3769559	0.000154	0.000188	0.00E+00	1.74E-04	2.73E-04	0.00E+00	2.92E-05	4.66E-05	0.00E+00	1.28E-05	1.87E-05	0.00E+00
1608	441111.8	3769553	0.000154	0.000188	0.00E+00	1.74E-04	2.73E-04	0.00E+00	2.91E-05	4.66E-05	0.00E+00	1.27E-05	1.87E-05	0.00E+00
1609	441096.9	3769547	0.000154	0.000188	0.00E+00	1.74E-04	2.74E-04	0.00E+00	2.92E-05	4.66E-05	0.00E+00	1.28E-05	1.87E-05	0.00E+00
1610	441082.1	3769541	0.000155	0.000189	0.00E+00	1.75E-04	2.75E-04	0.00E+00	2.93E-05	4.68E-05	0.00E+00	1.28E-05	1.88E-05	0.00E+00
1611	441067.2	3769535	0.000156	0.00019	0.00E+00	1.76E-04	2.76E-04	0.00E+00	2.94E-05	4.70E-05	0.00E+00	1.29E-05	1.88E-05	0.00E+00
1612	441052.4	3769529	0.000157	0.000191	0.00E+00	1.77E-04	2.78E-04	0.00E+00	2.96E-05	4.74E-05	0.00E+00	1.30E-05	1.90E-05	0.00E+00
1613	441037.6	3769522	0.000158	0.000193	0.00E+00	1.78E-04	2.80E-04	0.00E+00	2.99E-05	4.78E-05	0.00E+00	1.31E-05	1.91E-05	0.00E+00
1614	441022.7	3769516	0.000159	0.000194	0.00E+00	1.79E-04	2.82E-04	0.00E+00	3.01E-05	4.80E-05	0.00E+00	1.31E-05	1.92E-05	0.00E+00
1615	441007.9	3769510	0.00016	0.000195	0.00E+00	1.80E-04	2.83E-04	0.00E+00	3.02E-05	4.83E-05	0.00E+00	1.32E-05	1.93E-05	0.00E+00
1616	440993	3769504	0.00016	0.000196	0.00E+00	1.81E-04	2.84E-04	0.00E+00	3.03E-05	4.85E-05	0.00E+00	1.33E-05	1.94E-05	0.00E+00
1617	440978.2	3769498	0.000161	0.000197	0.00E+00	1.82E-04	2.86E-04	0.00E+00	3.05E-05	4.87E-05	0.00E+00	1.33E-05	1.95E-05	0.00E+00
1618	440963.3	3769492	0.000162	0.000198	0.00E+00	1.83E-04	2.88E-04	0.00E+00	3.07E-05	4.90E-05	0.00E+00	1.34E-05	1.96E-05	0.00E+00
1619	440948.5	3769486	0.000163	0.000199	0.00E+00	1.84E-04	2.89E-04	0.00E+00	3.08E-05	4.93E-05	0.00E+00	1.35E-05	1.97E-05	0.00E+00
1620	440933.6	3769480	0.000164	0.000199	0.00E+00	1.84E-04	2.90E-04	0.00E+00	3.09E-05	4.94E-05	0.00E+00	1.35E-05	1.98E-05	0.00E+00
1621	440918.8	3769473	0.000164	0.0002	0.00E+00	1.85E-04	2.91E-04	0.00E+00	3.10E-05	4.96E-05	0.00E+00	1.36E-05	1.98E-05	0.00E+00
1622	440903.9	3769467	0.000164	0.0002	0.00E+00	1.85E-04	2.91E-04	0.00E+00	3.11E-05	4.96E-05	0.00E+00	1.36E-05	1.99E-05	0.00E+00
1623	440516.2	3768994	0.000251	0.000306	0.00E+00	2.83E-04	4.45E-04	0.00E+00	4.74E-05	7.58E-05	0.00E+00	2.07E-05	3.04E-05	0.00E+00
1624	440510.1	3768979	0.000255	0.000311	0.00E+00	2.87E-04	4.52E-04	0.00E+00	4.82E-05	7.70E-05	0.00E+00	2.11E-05	3.09E-05	0.00E+00
1625	440503.9	3768964	0.000259	0.000316	0.00E+00	2.92E-04	4.59E-04	0.00E+00	4.90E-05	7.82E-05	0.00E+00	2.14E-05	3.13E-05	0.00E+00
1626	440497.7	3768950	0.000263	0.000321	0.00E+00	2.97E-04	4.66E-04	0.00E+00	4.97E-05	7.95E-05	0.00E+00	2.18E-05	3.18E-05	0.00E+00
1627	440491.5	3768935	0.000267	0.000326	0.00E+00	3.01E-04	4.73E-04	0.00E+00	5.05E-05	8.07E-05	0.00E+00	2.21E-05	3.23E-05	0.00E+00
1628	440485.3	3768920	0.000271	0.000331	0.00E+00	3.06E-04	4.80E-04	0.00E+00	5.13E-05	8.19E-05	0.00E+00	2.24E-05	3.28E-05	0.00E+00
1629	440479.2	3768905	0.000275	0.000335	0.00E+00	3.10E-04	4.87E-04	0.00E+00	5.20E-05	8.31E-05	0.00E+00	2.27E-05	3.33E-05	0.00E+00
1630	440473	3768890	0.000279	0.00034	0.00E+00	3.14E-04	4.94E-04	0.00E+00	5.27E-05	8.42E-05	0.00E+00	2.30E-05	3.37E-05	0.00E+00
1631	440466.8	3768875	0.000282	0.000344	0.00E+00	3.18E-04	5.00E-04	0.00E+00	5.34E-05	8.53E-05	0.00E+00	2.33E-05	3.42E-05	0.00E+00
1632	440460.6	3768861	0.000286	0.000349	0.00E+00	3.22E-04	5.07E-04	0.00E+00	5.41E-05	8.64E-05	0.00E+00	2.36E-05	3.46E-05	0.00E+00
1633	440454.4	3768846	0.00029	0.000353	0.00E+00	3.26E-04	5.13E-04	0.00E+00	5.47E-05	8.75E-05	0.00E+00	2.39E-05	3.50E-05	0.00E+00
1634	440448.3	3768831	0.000293	0.000357	0.00E+00	3.30E-04	5.19E-04	0.00E+00	5.54E-05	8.85E-05	0.00E+00	2.42E-05	3.55E-05	0.00E+00
1635	440442.1	3768816	0.000296	0.000361	0.00E+00	3.34E-04	5.25E-04	0.00E+00	5.60E-05	8.96E-05	0.00E+00	2.45E-05	3.59E-05	0.00E+00

1636	441260.9	3769611	0.000148	0.00018	0.00E+00	1.67E-04	2.62E-04	0.00E+00	2.80E-05	4.47E-05	0.00E+00	1.22E-05	1.79E-05	0.00E+00
1637	441277	3769611	0.000149	0.000182	0.00E+00	1.68E-04	2.64E-04	0.00E+00	2.82E-05	4.50E-05	0.00E+00	1.23E-05	1.80E-05	0.00E+00
1638	441245.4	3769648	0.000138	0.000168	0.00E+00	1.55E-04	2.44E-04	0.00E+00	2.60E-05	4.16E-05	0.00E+00	1.14E-05	1.67E-05	0.00E+00
1639	441230.6	3769642	0.000139	0.000169	0.00E+00	1.56E-04	2.46E-04	0.00E+00	2.62E-05	4.19E-05	0.00E+00	1.15E-05	1.68E-05	0.00E+00
1640	441215.8	3769636	0.000139	0.00017	0.00E+00	1.57E-04	2.47E-04	0.00E+00	2.64E-05	4.21E-05	0.00E+00	1.15E-05	1.69E-05	0.00E+00
1641	441186.2	3769624	0.000141	0.000172	0.00E+00	1.59E-04	2.50E-04	0.00E+00	2.67E-05	4.26E-05	0.00E+00	1.17E-05	1.71E-05	0.00E+00
1642	441171.4	3769618	0.000142	0.000173	0.00E+00	1.60E-04	2.51E-04	0.00E+00	2.68E-05	4.28E-05	0.00E+00	1.17E-05	1.72E-05	0.00E+00
1643	441156.5	3769612	0.000142	0.000173	0.00E+00	1.60E-04	2.52E-04	0.00E+00	2.69E-05	4.30E-05	0.00E+00	1.18E-05	1.72E-05	0.00E+00
1644	441141.7	3769606	0.000143	0.000174	0.00E+00	1.61E-04	2.53E-04	0.00E+00	2.70E-05	4.31E-05	0.00E+00	1.18E-05	1.73E-05	0.00E+00
1645	441126.9	3769599	0.000143	0.000174	0.00E+00	1.61E-04	2.53E-04	0.00E+00	2.70E-05	4.31E-05	0.00E+00	1.18E-05	1.73E-05	0.00E+00
1646	441112.1	3769593	0.000143	0.000174	0.00E+00	1.61E-04	2.53E-04	0.00E+00	2.70E-05	4.31E-05	0.00E+00	1.18E-05	1.73E-05	0.00E+00
1647	441097.3	3769587	0.000143	0.000174	0.00E+00	1.61E-04	2.53E-04	0.00E+00	2.70E-05	4.32E-05	0.00E+00	1.18E-05	1.73E-05	0.00E+00
1648	441038.1	3769563	0.000146	0.000178	0.00E+00	1.65E-04	2.59E-04	0.00E+00	2.77E-05	4.42E-05	0.00E+00	1.21E-05	1.77E-05	0.00E+00
1649	441023.3	3769557	0.000148	0.00018	0.00E+00	1.66E-04	2.61E-04	0.00E+00	2.79E-05	4.46E-05	0.00E+00	1.22E-05	1.79E-05	0.00E+00
1650	441008.4	3769550	0.000149	0.000181	0.00E+00	1.68E-04	2.64E-04	0.00E+00	2.81E-05	4.49E-05	0.00E+00	1.23E-05	1.80E-05	0.00E+00
1651	440993.6	3769544	0.00015	0.000183	0.00E+00	1.69E-04	2.66E-04	0.00E+00	2.84E-05	4.53E-05	0.00E+00	1.24E-05	1.82E-05	0.00E+00
1652	440978.8	3769538	0.000151	0.000184	0.00E+00	1.70E-04	2.68E-04	0.00E+00	2.86E-05	4.57E-05	0.00E+00	1.25E-05	1.83E-05	0.00E+00
1653	440964	3769532	0.000152	0.000185	0.00E+00	1.71E-04	2.69E-04	0.00E+00	2.87E-05	4.58E-05	0.00E+00	1.25E-05	1.84E-05	0.00E+00
1654	440949.2	3769526	0.000152	0.000185	0.00E+00	1.71E-04	2.69E-04	0.00E+00	2.87E-05	4.59E-05	0.00E+00	1.26E-05	1.84E-05	0.00E+00
1655	440934.4	3769520	0.000152	0.000186	0.00E+00	1.72E-04	2.70E-04	0.00E+00	2.88E-05	4.60E-05	0.00E+00	1.26E-05	1.84E-05	0.00E+00
1656	440919.6	3769514	0.000153	0.000186	0.00E+00	1.72E-04	2.71E-04	0.00E+00	2.89E-05	4.61E-05	0.00E+00	1.26E-05	1.85E-05	0.00E+00
1657	440904.8	3769508	0.000153	0.000187	0.00E+00	1.72E-04	2.71E-04	0.00E+00	2.89E-05	4.62E-05	0.00E+00	1.27E-05	1.85E-05	0.00E+00
1658	440890	3769501	0.000153	0.000187	0.00E+00	1.73E-04	2.72E-04	0.00E+00	2.90E-05	4.63E-05	0.00E+00	1.27E-05	1.86E-05	0.00E+00
1659	440875.2	3769495	0.000154	0.000187	0.00E+00	1.73E-04	2.72E-04	0.00E+00	2.90E-05	4.64E-05	0.00E+00	1.27E-05	1.86E-05	0.00E+00
1660	440860.3	3769489	0.000153	0.000187	0.00E+00	1.73E-04	2.72E-04	0.00E+00	2.90E-05	4.63E-05	0.00E+00	1.27E-05	1.86E-05	0.00E+00
1661	440845.5	3769483	0.000153	0.000186	0.00E+00	1.72E-04	2.71E-04	0.00E+00	2.89E-05	4.62E-05	0.00E+00	1.26E-05	1.85E-05	0.00E+00
1662	440830.7	3769477	0.000152	0.000186	0.00E+00	1.72E-04	2.70E-04	0.00E+00	2.88E-05	4.60E-05	0.00E+00	1.26E-05	1.84E-05	0.00E+00
1663	440801.1	3769465	0.000152	0.000185	0.00E+00	1.71E-04	2.69E-04	0.00E+00	2.87E-05	4.58E-05	0.00E+00	1.25E-05	1.83E-05	0.00E+00
1664	440756.7	3769446	0.00015	0.000183	0.00E+00	1.69E-04	2.66E-04	0.00E+00	2.84E-05	4.54E-05	0.00E+00	1.24E-05	1.82E-05	0.00E+00
1665	440741.9	3769440	0.00015	0.000182	0.00E+00	1.69E-04	2.65E-04	0.00E+00	2.83E-05	4.52E-05	0.00E+00	1.24E-05	1.81E-05	0.00E+00
1666	440727.1	3769434	0.000149	0.000181	0.00E+00	1.68E-04	2.64E-04	0.00E+00	2.81E-05	4.50E-05	0.00E+00	1.23E-05	1.80E-05	0.00E+00
1667	440712.3	3769428	0.000148	0.00018	0.00E+00	1.67E-04	2.62E-04	0.00E+00	2.80E-05	4.47E-05	0.00E+00	1.22E-05	1.79E-05	0.00E+00
1668	440697.4	3769422	0.000147	0.000179	0.00E+00	1.66E-04	2.61E-04	0.00E+00	2.78E-05	4.45E-05	0.00E+00	1.22E-05	1.78E-05	0.00E+00
1669	440476	3768994	0.000237	0.000289	0.00E+00	2.67E-04	4.20E-04	0.00E+00	4.48E-05	7.17E-05	0.00E+00	1.96E-05	2.87E-05	0.00E+00
1670	440469.9	3768979	0.000241	0.000294	0.00E+00	2.72E-04	4.27E-04	0.00E+00	4.55E-05	7.28E-05	0.00E+00	1.99E-05	2.92E-05	0.00E+00
1671	440463.7	3768964	0.000245	0.000298	0.00E+00	2.76E-04	4.33E-04	0.00E+00	4.62E-05	7.39E-05	0.00E+00	2.02E-05	2.96E-05	0.00E+00
1672	440457.6	3768949	0.000248	0.000303	0.00E+00	2.80E-04	4.40E-04	0.00E+00	4.69E-05	7.50E-05	0.00E+00	2.05E-05	3.00E-05	0.00E+00
1673	440451.4	3768935	0.000252	0.000307	0.00E+00	2.84E-04	4.46E-04	0.00E+00	4.76E-05	7.61E-05	0.00E+00	2.08E-05	3.05E-05	0.00E+00
1674	440445.2	3768920	0.000255	0.000311	0.00E+00	2.88E-04	4.53E-04	0.00E+00	4.83E-05	7.72E-05	0.00E+00	2.11E-05	3.09E-05	0.00E+00
1675	440439.1	3768905	0.000259	0.000315	0.00E+00	2.92E-04	4.59E-04	0.00E+00	4.89E-05	7.82E-05	0.00E+00	2.14E-05	3.13E-05	0.00E+00
1676	440432.9	3768890	0.000262	0.00032	0.00E+00	2.95E-04	4.65E-04	0.00E+00	4.96E-05	7.92E-05	0.00E+00	2.17E-05	3.17E-05	0.00E+00
1677	440426.7	3768875	0.000265	0.000324	0.00E+00	2.99E-04	4.70E-04	0.00E+00	5.02E-05	8.02E-05	0.00E+00	2.20E-05	3.21E-05	0.00E+00
1678	440420.6	3768861	0.000269	0.000328	0.00E+00	3.03E-04	4.76E-04	0.00E+00	5.08E-05	8.12E-05	0.00E+00	2.22E-05	3.25E-05	0.00E+00
1679	440414.4	3768846	0.000272	0.000331	0.00E+00	3.06E-04	4.82E-04	0.00E+00	5.14E-05	8.21E-05	0.00E+00	2.25E-05	3.29E-05	0.00E+00
1680	440408.2	3768831	0.000275	0.000335	0.00E+00	3.10E-04	4.87E-04	0.00E+00	5.20E-05	8.31E-05	0.00E+00	2.27E-05	3.33E-05	0.00E+00
1681	440402.1	3768816	0.000278	0.000339	0.00E+00	3.13E-04	4.92E-04	0.00E+00	5.25E-05	8.40E-05	0.00E+00	2.30E-05	3.36E-05	0.00E+00
1682	441260.9	3769651	0.000138	0.000168	0.00E+00	1.55E-04	2.44E-04	0.00E+00	2.60E-05	4.16E-05	0.00E+00	1.14E-05	1.67E-05	0.00E+00
1683	441277	3769651	0.000139	0.000169	0.00E+00	1.56E-04	2.45E-04	0.00E+00	2.62E-05	4.18E-05	0.00E+00	1.15E-05	1.68E-05	0.00E+00
1684	441245.4	3769688	0.000129	0.000157	0.00E+00	1.45E-04	2.28E-04	0.00E+00	2.43E-05	3.89E-05	0.00E+00	1.06E-05	1.56E-05	0.00E+00
1685	441230.6	3769682	0.00013	0.000158	0.00E+00	1.46E-04	2.30E-04	0.00E+00	2.45E-05	3.91E-05	0.00E+00	1.07E-05	1.57E-05	0.00E+00
1686	441186.3	3769664	0.000131	0.00016	0.00E+00	1.48E-04	2.33E-04	0.00E+00	2.48E-05	3.96E-05	0.00E+00	1.08E-05	1.59E-05	0.00E+00
1687	441171.5	3769658	0.000132	0.000161	0.00E+00	1.49E-04	2.34E-04	0.00E+00	2.49E-05	3.99E-05	0.00E+00	1.09E-05	1.60E-05	0.00E+00
1688	441156.8	3769652	0.000133	0.000162	0.00E+00	1.50E-04	2.35E-04	0.00E+00	2.51E-05	4.01E-05	0.00E+00	1.10E-05	1.61E-05	0.00E+00
1689	441142	3769646	0.000133	0.000163	0.00E+00	1.50E-04	2.36E-04	0.00E+00	2.52E-05	4.03E-05	0.00E+00	1.10E-05	1.61E-05	0.00E+00
1690	441127.2	3769640	0.000134	0.000163	0.00E+00	1.51E-04	2.37E-04	0.00E+00	2.53E-05	4.04E-05	0.00E+00	1.11E-05	1.62E-05	0.00E+00
1691	441112.4	3769633	0.000134	0.000164	0.00E+00	1.51E-04	2.38E-04	0.00E+00	2.54E-05	4.05E-05	0.00E+00	1.11E-05	1.62E-05	0.00E+00
1692	441097.6	3769627	0.000135	0.000164	0.00E+00	1.52E-04	2.39E-04	0.00E+00	2.54E-05	4.07E-05	0.00E+00	1.11E-05	1.63E-05	0.00E+00
1693	441082.9	3769621	0.000135	0.000165	0.00E+00	1.52E-04	2.39E-04	0.00E+00	2.55E-05	4.08E-05	0.00E+00	1.12E-05	1.63E-05	0.00E+00
1694	441068.1	3769615	0.000136	0.000165	0.00E+00	1.53E-04	2.40E-04	0.00E+00	2.56E-05	4.10E-05	0.00E+00	1.12E-05	1.64E-05	0.00E+00
1695	441053.3	3769609	0.000136	0.000166	0.00E+00	1.54E-04	2.42E-04	0.00E+00	2.58E-05	4.12E-05	0.00E+00	1.13E-05	1.65E-05	0.00E+00
1696	441023.8	3769597	0.000139	0.000169	0.00E+00	1.56E-04	2.46E-04	0.00E+00	2.62E-05	4.19E-05	0.00E+00	1.15E-05	1.68E-05	0.00E+00
1697	441009	3769591	0.00014	0.00017	0.00E+00	1.57E-04	2.47E-04	0.00E+00	2.64E-05	4.22E-05	0.00E+00	1.15E-05	1.69E-05	0.00E+00
1698	440994.2	3769585	0.00014	0.000171	0.00E+00	1.58E-04	2.49E-04	0.00E+00	2.65E-05	4.24E-05	0.00E+00	1.16E-05	1.70E-05	0.00E+00
1699	440935.1	3769560	0.000142	0.000174	0.00E+00	1.61E-04	2.52E-04	0.00E+00	2.69E-05	4.30E-05	0.00E+00	1.18E-05	1.72E-05	0.00E+00
1700	440920.3	3769554	0.000142	0.000174	0.00E+00	1.61E-04	2.53E-04	0.00E+00	2.69E-05	4.30E-05	0.00E+00	1.18E-05	1.72E-05	0.00E+00
1701	440905.5	3769548	0.000143	0.000174	0.00E+00	1.61E-04	2.53E-04	0.00E+00	2.70E-05	4.31E-05	0.00E+00	1.18E-05	1.73E-05	0.00E+00
1702	440890.8	3769542	0.000143	0.000175	0.00E+00	1.61E-04	2.54E-04	0.00E+00	2.71E-05	4.33E-05	0.00E+00	1.18E-05	1.73E-05	0.00E+00
1703	440876	3769536	0.000143	0.000175	0.00E+00	1.62E-04	2.54E-04	0.00E+00	2.71E-05	4.33E-05	0.00E+00	1.19E-05	1.74E-05	0.00E+00
1704	440861.2	3769530	0.000143	0.000175	0.00E+00	1.62E-04	2.54E-04	0.00E+00	2.71E-05	4.33E-05	0.00E+00	1.19E-05	1.74E-05	0.00E+00
1705	440846.4	3769523	0.000143	0.000175	0.00E+00	1.62E-04	2.54E-04	0.00E+00	2.71E-05	4.33E-05	0.00E+00	1.18E-05	1.73E-05	0.00E+00
1706	440831.6	3769517	0.000143	0.000174	0.00E+00	1.61E-04	2.53E-04	0.00E+00	2.70E-05	4.31E-05	0.00E+00	1.18E-05	1.73E-05	0.00E+00
1707	440802.1	3769505	0.000142	0.000173	0.00E+00	1.60E-04	2.51E-04	0.00E+00	2.68E-05	4.29E-05	0.00E+00	1.17E-05	1.72E-05	0.00E+00
1708	440787.3	3769499	0.000142	0.000173	0.00E+00	1.60E-04	2.51E-04	0.00E+00	2.68E-05	4.28E-05	0.00E+00	1.17E-05	1.71E-05	0.00E+00
1709	440772.5	3769493	0.000142	0.000172	0.00E+00	1.60E-04	2.51E-04	0.00E+00	2.68E-05	4.27E-05	0.00E+00	1.17E-05	1.71E-05	0.00E+00
1710	440757.8	3769487	0.000141	0.000172	0.00E+00	1.59E-04	2.50E-04	0.00E+00	2.67E-05	4.27E-05	0.00E+00	1.17E-05	1.71E-05	0.00E+00
1711	440743	3769481	0.000141	0.000172	0.00E+00	1.59E-04	2.50E-04	0.00E+00	2.66E-05	4.25E-05	0.00E+00	1.16E-05	1.70E-05	0.00E+00
1712	440728.2	3769475	0.00014	0.000171	0.00E+00	1.58E-04	2.49E-04	0.00E+00	2.65E-05	4.24E-05	0.00E+00	1.16E-05	1.70E-05	0.00E+00
1713	440713.4	3769469	0.00014	0.00017	0.00E+00	1.57E-04	2.47E-04	0.00E+00	2.64E-05	4.22E-05	0.00E+00	1.15E-05	1.69E-05	0.00E+00
1714	440698.6	3769462	0.000139	0.000169	0.00E+00	1.56E-04	2.46E-04	0.00E+00	2.62E-05	4.19E-05	0.00E+00	1.15E-05	1.68E-05	0.00E+00
1715	440683.9	3769456	0.000138	0.000168	0.00E+00	1.55E-04	2.44E-04	0.00E+00	2.61E-05	4.17E-05	0.00E+00	1.14E-05	1.67E-05	0.00E+00
1716	440669.1	3769450	0.000137	0.000167	0.00E+00	1.55E-04	2.43E-04	0.00E+00	2.59E-05	4.14E-05	0.00E+00	1.13E-05	1.66E-05	0.00E+00
1717	440654.3	3769444	0.000137	0.000167	0.00E+00	1.54E-04	2.42E-04	0.00E+00	2.59E-05	4.13E-05	0.00E+00	1.13E-05	1.66E-05	0.00E+00
1718	440639.5	3769438	0.000136	0.000166	0.00E+00	1.54E-04	2.42E-04	0.00E+00	2.58E-05	4.12E-05	0.00E+00	1.13E-05	1.65E-05	0.00E+00
1719	440624.8	3769432	0.000136	0.000166	0.00E+00	1.54E-04	2.42E-04	0.00E+00	2.58E-05	4.12E-05	0.00E+00	1.13E-05	1.65E-05	0.00E+00
1720	440405.1	3768920	0.000241	0.000294	0.00E+00	2.72E-04	4.27E-04	0.00E+00	4.55E-05	7.28E-05	0.00E+00	1.99E-05	2.92E-05	0.00E+00
1721	440399	3768905	0.000244	0.000297	0.00E+00	2.75E-04	4.32E-04	0.00E+00	4.61E-05	7.37E-05	0.00E+00	2.02E-05	2.95E-05	0.00E+00
1722	440392.8	3768890	0.000247	0.000301	0.00E+00	2.78E-04	4.38E-04	0.00E+00	4.67E-05	7.46E-05	0.00E+00	2.04E-05	2.99E-05	0.00E+00
1723	440386.6	3768875	0.00025	0.000305	0.00E+00	2.82E-04	4.43E-04	0.00E+00	4.73E-05	7.55E-05	0.00E+00	2.07E-05	3.03E-05	0.00E+00
1724	440380.5	3768861	0.000253	0.000308	0.00E+00	2.85E-04	4.48E-04	0.00E+00	4.78E-05	7.64E-05	0.00E+00	2.09E-05	3.06E-05	0.00E+00
1725	440374.3	3768846	0.000256	0.000312	0.00E+00	2.88E-04	4.53E-04	0.00E+00	4.84E-05	7.73E-05	0.00E+00	2.11E-05	3.10E-05	0.00E+00
1726	440368.2	3768831	0.000259	0.000315	0.00E+00	2.91E-04	4.58E-04	0.00E+00	4.89E-05	7.81E-05	0.00E+00	2.14E-05	3.13E-05	0.00E+00

1727	440362	3768816	0.000261	0.000318	0.00E+00	2.94E-04	4.63E-04	0.00E+00	4.94E-05	7.89E-05	0.00E+00	2.16E-05	3.16E-05	0.00E+00
1728	441260.9	3769691	0.000128	0.000157	0.00E+00	1.45E-04	2.27E-04	0.00E+00	2.43E-05	3.88E-05	0.00E+00	1.06E-05	1.55E-05	0.00E+00
1729	441277	3769691	0.000129	0.000157	0.00E+00	1.45E-04	2.29E-04	0.00E+00	2.44E-05	3.90E-05	0.00E+00	1.07E-05	1.56E-05	0.00E+00
1730	441184.9	3768799	0.003531	0.004305	0.00E+00	3.98E-03	6.26E-03	0.00E+00	6.68E-04	1.07E-03	0.00E+00	2.92E-04	4.27E-04	0.00E+00
1731	441164.9	3768798	0.003021	0.003683	0.00E+00	3.40E-03	5.35E-03	0.00E+00	5.71E-04	9.13E-04	0.00E+00	2.50E-04	3.66E-04	0.00E+00
1732	441144.9	3768798	0.002625	0.0032	0.00E+00	2.96E-03	4.65E-03	0.00E+00	4.96E-04	7.93E-04	0.00E+00	2.17E-04	3.18E-04	0.00E+00
1733	441124.9	3768798	0.00231	0.002815	0.00E+00	2.60E-03	4.09E-03	0.00E+00	4.37E-04	6.98E-04	0.00E+00	1.91E-04	2.79E-04	0.00E+00
1734	441104.9	3768797	0.002054	0.002504	0.00E+00	2.32E-03	3.64E-03	0.00E+00	3.88E-04	6.21E-04	0.00E+00	1.70E-04	2.49E-04	0.00E+00
1735	441084.9	3768797	0.001844	0.002248	0.00E+00	2.08E-03	3.27E-03	0.00E+00	3.49E-04	5.57E-04	0.00E+00	1.52E-04	2.23E-04	0.00E+00
1736	440545	3768789	0.000371	0.000452	0.00E+00	4.18E-04	6.57E-04	0.00E+00	7.01E-05	1.12E-04	0.00E+00	3.07E-05	4.49E-05	0.00E+00
1737	440465.1	3768779	0.000325	0.000396	0.00E+00	3.66E-04	5.76E-04	0.00E+00	6.15E-05	9.82E-05	0.00E+00	2.69E-05	3.93E-05	0.00E+00
1738	441137.3	3768830	0.001999	0.002437	0.00E+00	2.25E-03	3.54E-03	0.00E+00	3.78E-04	6.04E-04	0.00E+00	1.65E-04	2.42E-04	0.00E+00
1739	441117.4	3768830	0.001804	0.0022	0.00E+00	2.03E-03	3.20E-03	0.00E+00	3.41E-04	5.45E-04	0.00E+00	1.49E-04	2.18E-04	0.00E+00
1740	441097.5	3768830	0.001639	0.001998	0.00E+00	1.85E-03	2.90E-03	0.00E+00	3.10E-04	4.95E-04	0.00E+00	1.36E-04	1.98E-04	0.00E+00
1741	441090.3	3768854	0.001387	0.001691	0.00E+00	1.56E-03	2.46E-03	0.00E+00	2.62E-04	4.19E-04	0.00E+00	1.15E-04	1.68E-04	0.00E+00
1742	441296.2	3769251	0.000362	0.000442	0.00E+00	4.09E-04	6.42E-04	0.00E+00	6.85E-05	1.10E-04	0.00E+00	3.00E-05	4.39E-05	0.00E+00
1743	441286.9	3769250	0.000361	0.00044	0.00E+00	4.07E-04	6.39E-04	0.00E+00	6.82E-05	1.09E-04	0.00E+00	2.98E-05	4.37E-05	0.00E+00
1744	441221.5	3769244	0.000349	0.000425	0.00E+00	3.93E-04	6.18E-04	0.00E+00	6.59E-05	1.05E-04	0.00E+00	2.88E-05	4.22E-05	0.00E+00
1745	441202.8	3769242	0.000345	0.000421	0.00E+00	3.89E-04	6.12E-04	0.00E+00	6.53E-05	1.04E-04	0.00E+00	2.86E-05	4.18E-05	0.00E+00
1746	441193.5	3769241	0.000344	0.000419	0.00E+00	3.87E-04	6.09E-04	0.00E+00	6.50E-05	1.04E-04	0.00E+00	2.84E-05	4.16E-05	0.00E+00
1747	441184.2	3769241	0.000342	0.000417	0.00E+00	3.85E-04	6.06E-04	0.00E+00	6.46E-05	1.03E-04	0.00E+00	2.83E-05	4.14E-05	0.00E+00
1748	441174.8	3769240	0.00034	0.000414	0.00E+00	3.83E-04	6.02E-04	0.00E+00	6.42E-05	1.03E-04	0.00E+00	2.81E-05	4.11E-05	0.00E+00
1749	441165.5	3769239	0.000336	0.000409	0.00E+00	3.78E-04	5.95E-04	0.00E+00	6.34E-05	1.01E-04	0.00E+00	2.77E-05	4.06E-05	0.00E+00
1750	441156.2	3769238	0.000334	0.000407	0.00E+00	3.76E-04	5.91E-04	0.00E+00	6.31E-05	1.01E-04	0.00E+00	2.76E-05	4.04E-05	0.00E+00
1751	441146.8	3769237	0.000331	0.000404	0.00E+00	3.74E-04	5.87E-04	0.00E+00	6.27E-05	1.00E-04	0.00E+00	2.74E-05	4.01E-05	0.00E+00
1752	441137.5	3769236	0.000329	0.000401	0.00E+00	3.71E-04	5.84E-04	0.00E+00	6.23E-05	9.95E-05	0.00E+00	2.72E-05	3.99E-05	0.00E+00
1753	441081.5	3769231	0.000316	0.000385	0.00E+00	3.56E-04	5.60E-04	0.00E+00	5.98E-05	9.55E-05	0.00E+00	2.61E-05	3.83E-05	0.00E+00
1754	441072.2	3769230	0.000314	0.000383	0.00E+00	3.54E-04	5.56E-04	0.00E+00	5.93E-05	9.48E-05	0.00E+00	2.60E-05	3.80E-05	0.00E+00
1755	441062.8	3769230	0.000312	0.00038	0.00E+00	3.51E-04	5.52E-04	0.00E+00	5.89E-05	9.41E-05	0.00E+00	2.58E-05	3.77E-05	0.00E+00
1756	441053.5	3769229	0.000309	0.000377	0.00E+00	3.49E-04	5.48E-04	0.00E+00	5.85E-05	9.34E-05	0.00E+00	2.56E-05	3.74E-05	0.00E+00
1757	441044.2	3769228	0.000307	0.000374	0.00E+00	3.46E-04	5.44E-04	0.00E+00	5.80E-05	9.27E-05	0.00E+00	2.54E-05	3.71E-05	0.00E+00
1758	441034.8	3769227	0.000304	0.000371	0.00E+00	3.43E-04	5.39E-04	0.00E+00	5.75E-05	9.19E-05	0.00E+00	2.52E-05	3.68E-05	0.00E+00
1759	441025.5	3769226	0.000302	0.000368	0.00E+00	3.40E-04	5.35E-04	0.00E+00	5.71E-05	9.12E-05	0.00E+00	2.50E-05	3.65E-05	0.00E+00
1760	441002.5	3769216	0.000301	0.000367	0.00E+00	3.39E-04	5.33E-04	0.00E+00	5.69E-05	9.09E-05	0.00E+00	2.49E-05	3.64E-05	0.00E+00
1761	440998.1	3769208	0.000305	0.000372	0.00E+00	3.44E-04	5.41E-04	0.00E+00	5.77E-05	9.22E-05	0.00E+00	2.52E-05	3.70E-05	0.00E+00
1762	441265	3769283	0.000316	0.000385	0.00E+00	3.56E-04	5.59E-04	0.00E+00	5.97E-05	9.54E-05	0.00E+00	2.61E-05	3.82E-05	0.00E+00
1763	441255.7	3769282	0.000314	0.000383	0.00E+00	3.54E-04	5.57E-04	0.00E+00	5.94E-05	9.49E-05	0.00E+00	2.60E-05	3.80E-05	0.00E+00
1764	441068.7	3769265	0.000286	0.000349	0.00E+00	3.22E-04	5.07E-04	0.00E+00	5.41E-05	8.64E-05	0.00E+00	2.36E-05	3.46E-05	0.00E+00
1765	441059.4	3769264	0.000284	0.000346	0.00E+00	3.20E-04	5.03E-04	0.00E+00	5.37E-05	8.58E-05	0.00E+00	2.35E-05	3.44E-05	0.00E+00
1766	441050	3769264	0.000282	0.000344	0.00E+00	3.18E-04	4.99E-04	0.00E+00	5.33E-05	8.52E-05	0.00E+00	2.33E-05	3.41E-05	0.00E+00
1767	441040.7	3769263	0.00028	0.000341	0.00E+00	3.15E-04	4.95E-04	0.00E+00	5.28E-05	8.45E-05	0.00E+00	2.31E-05	3.38E-05	0.00E+00
1768	441031.3	3769262	0.000277	0.000338	0.00E+00	3.12E-04	4.91E-04	0.00E+00	5.24E-05	8.37E-05	0.00E+00	2.29E-05	3.35E-05	0.00E+00
1769	441022	3769261	0.000275	0.000335	0.00E+00	3.10E-04	4.87E-04	0.00E+00	5.20E-05	8.31E-05	0.00E+00	2.27E-05	3.33E-05	0.00E+00
1770	441012.6	3769260	0.000273	0.000333	0.00E+00	3.08E-04	4.84E-04	0.00E+00	5.16E-05	8.25E-05	0.00E+00	2.26E-05	3.30E-05	0.00E+00
1771	441003.3	3769259	0.000271	0.00033	0.00E+00	3.05E-04	4.80E-04	0.00E+00	5.12E-05	8.18E-05	0.00E+00	2.24E-05	3.28E-05	0.00E+00
1772	440975.9	3769241	0.000274	0.000333	0.00E+00	3.08E-04	4.85E-04	0.00E+00	5.17E-05	8.26E-05	0.00E+00	2.26E-05	3.31E-05	0.00E+00
1773	440971.5	3769233	0.000277	0.000338	0.00E+00	3.13E-04	4.92E-04	0.00E+00	5.25E-05	8.38E-05	0.00E+00	2.29E-05	3.36E-05	0.00E+00
1774	440967.1	3769224	0.000282	0.000343	0.00E+00	3.18E-04	4.99E-04	0.00E+00	5.33E-05	8.51E-05	0.00E+00	2.33E-05	3.41E-05	0.00E+00
1775	441055.9	3769299	0.00026	0.000317	0.00E+00	2.93E-04	4.60E-04	0.00E+00	4.91E-05	7.85E-05	0.00E+00	2.15E-05	3.14E-05	0.00E+00
1776	441046.6	3769299	0.000258	0.000315	0.00E+00	2.91E-04	4.57E-04	0.00E+00	4.88E-05	7.80E-05	0.00E+00	2.13E-05	3.12E-05	0.00E+00
1777	441037.2	3769298	0.000256	0.000313	0.00E+00	2.89E-04	4.54E-04	0.00E+00	4.85E-05	7.74E-05	0.00E+00	2.12E-05	3.10E-05	0.00E+00
1778	441027.9	3769297	0.000255	0.00031	0.00E+00	2.87E-04	4.51E-04	0.00E+00	4.81E-05	7.69E-05	0.00E+00	2.11E-05	3.08E-05	0.00E+00
1779	441018.5	3769296	0.000253	0.000308	0.00E+00	2.85E-04	4.48E-04	0.00E+00	4.78E-05	7.64E-05	0.00E+00	2.09E-05	3.06E-05	0.00E+00
1780	441009.1	3769295	0.000251	0.000306	0.00E+00	2.83E-04	4.45E-04	0.00E+00	4.75E-05	7.58E-05	0.00E+00	2.08E-05	3.04E-05	0.00E+00
1781	440999.8	3769294	0.000249	0.000304	0.00E+00	2.81E-04	4.42E-04	0.00E+00	4.71E-05	7.53E-05	0.00E+00	2.06E-05	3.02E-05	0.00E+00
1782	440990.4	3769293	0.000247	0.000301	0.00E+00	2.78E-04	4.37E-04	0.00E+00	4.67E-05	7.46E-05	0.00E+00	2.04E-05	2.99E-05	0.00E+00
1783	440927.4	3769224	0.000269	0.000328	0.00E+00	3.03E-04	4.77E-04	0.00E+00	5.09E-05	8.13E-05	0.00E+00	2.23E-05	3.26E-05	0.00E+00
1784	440923.1	3769216	0.000273	0.000333	0.00E+00	3.08E-04	4.84E-04	0.00E+00	5.16E-05	8.25E-05	0.00E+00	2.26E-05	3.30E-05	0.00E+00
1785	440918.7	3769208	0.000277	0.000337	0.00E+00	3.12E-04	4.91E-04	0.00E+00	5.23E-05	8.36E-05	0.00E+00	2.29E-05	3.35E-05	0.00E+00
1786	440914.3	3769199	0.000281	0.000342	0.00E+00	3.16E-04	4.97E-04	0.00E+00	5.31E-05	8.48E-05	0.00E+00	2.32E-05	3.40E-05	0.00E+00
1787	440900.8	3769249	0.000246	0.0003	0.00E+00	2.78E-04	4.37E-04	0.00E+00	4.66E-05	7.45E-05	0.00E+00	2.04E-05	2.98E-05	0.00E+00
1788	440896.4	3769241	0.00025	0.000304	0.00E+00	2.81E-04	4.42E-04	0.00E+00	4.72E-05	7.54E-05	0.00E+00	2.06E-05	3.02E-05	0.00E+00
1789	440892	3769232	0.000252	0.000308	0.00E+00	2.84E-04	4.47E-04	0.00E+00	4.77E-05	7.63E-05	0.00E+00	2.09E-05	3.05E-05	0.00E+00
1790	440878.9	3769207	0.000262	0.000319	0.00E+00	2.95E-04	4.64E-04	0.00E+00	4.95E-05	7.91E-05	0.00E+00	2.17E-05	3.17E-05	0.00E+00
1791	440874.6	3769199	0.000265	0.000323	0.00E+00	2.99E-04	4.70E-04	0.00E+00	5.02E-05	8.01E-05	0.00E+00	2.19E-05	3.21E-05	0.00E+00
1792	440852.3	3769232	0.00024	0.000293	0.00E+00	2.71E-04	4.25E-04	0.00E+00	4.54E-05	7.25E-05	0.00E+00	1.98E-05	2.91E-05	0.00E+00
1793	440847.9	3769224	0.000243	0.000296	0.00E+00	2.74E-04	4.30E-04	0.00E+00	4.59E-05	7.34E-05	0.00E+00	2.01E-05	2.94E-05	0.00E+00
1794	440843.5	3769216	0.000246	0.0003	0.00E+00	2.77E-04	4.35E-04	0.00E+00	4.64E-05	7.42E-05	0.00E+00	2.03E-05	2.97E-05	0.00E+00
1795	440839.1	3769207	0.000249	0.000303	0.00E+00	2.80E-04	4.41E-04	0.00E+00	4.70E-05	7.51E-05	0.00E+00	2.06E-05	3.01E-05	0.00E+00
1796	440986.1	3769434	0.000184	0.000225	0.00E+00	2.08E-04	3.27E-04	0.00E+00	3.49E-05	5.57E-05	0.00E+00	1.53E-05	2.23E-05	0.00E+00
1797	440976.7	3769433	0.000184	0.000224	0.00E+00	2.07E-04	3.26E-04	0.00E+00	3.47E-05	5.55E-05	0.00E+00	1.52E-05	2.22E-05	0.00E+00
1798	440967.3	3769432	0.000183	0.000223	0.00E+00	2.06E-04	3.24E-04	0.00E+00	3.46E-05	5.53E-05	0.00E+00	1.51E-05	2.21E-05	0.00E+00
1799	440957.9	3769432	0.000182	0.000222	0.00E+00	2.05E-04	3.23E-04	0.00E+00	3.44E-05	5.50E-05	0.00E+00	1.51E-05	2.20E-05	0.00E+00
1800	440948.6	3769431	0.000181	0.000221	0.00E+00	2.04E-04	3.21E-04	0.00E+00	3.42E-05	5.47E-05	0.00E+00	1.50E-05	2.19E-05	0.00E+00
1801	440939.2	3769430	0.00018	0.000219	0.00E+00	2.03E-04	3.19E-04	0.00E+00	3.40E-05	5.44E-05	0.00E+00	1.49E-05	2.18E-05	0.00E+00
1802	440549.2	3768806	0.000364	0.000444	0.00E+00	4.10E-04	6.45E-04	0.00E+00	6.88E-05	1.10E-04	0.00E+00	3.01E-05	4.40E-05	0.00E+00
1803	441584.4	3769524	0.000217	0.000264	0.00E+00	2.44E-04	3.84E-04	0.00E+00	4.10E-05	6.55E-05	0.00E+00	1.79E-05	2.62E-05	0.00E+00
1804	441575	3769523	0.000216	0.000263	0.00E+00	2.43E-04	3.83E-04	0.00E+00	4.08E-05	6.53E-05	0.00E+00	1.79E-05	2.61E-05	0.00E+00
1805	441565.6	3769522	0.000215	0.000262	0.00E+00	2.42E-04	3.81E-04	0.00E+00	4.06E-05	6.49E-05	0.00E+00	1.78E-05	2.60E-05	0.00E+00
1806	441556.2	3769522	0.000214	0.000261	0.00E+00	2.41E-04	3.79E-04	0.00E+00	4.04E-05	6.46E-05	0.00E+00	1.77E-05	2.59E-05	0.00E+00
1807	441434	3769510	0.000197	0.000241	0.00E+00	2.23E-04	3.50E-04	0.00E+00	3.73E-05	5.96E-05	0.00E+00	1.63E-05	2.39E-05	0.00E+00
1808	441424.6	3769510	0.000196	0.000239	0.00E+00	2.21E-04	3.48E-04	0.00E+00	3.71E-05	5.93E-05	0.00E+00	1.62E-05	2.38E-05	0.00E+00
1809	441415.2	3769509	0.000195	0.000238	0.00E+00	2.20E-04	3.46E-04	0.00E+00	3.69E-05	5.90E-05	0.00E+00	1.62E-05	2.36E-05	0.00E+00
1810	441405.8	3769508	0.000195	0.000237	0.00E+00	2.19E-04	3.45E-04	0.00E+00	3.68E-05	5.88E-05	0.00E+00	1.61E-05	2.35E-05	0.00E+00
1811	441396.4	3769507	0.000194	0.000236	0.00E+00	2.19E-04	3.44E-04	0.00E+00	3.66E-05	5.86E-05	0.00E+00	1.60E-05	2.35E-05	0.00E+00
1812	441387	3769506	0.000193	0.000235	0.00E+00	2.18E-04	3.42E-04	0.00E+00	3.65E-05	5.84E-05	0.00E+00	1.60E-05	2.34E-05	0.00E+00
1813	441377.6	3769505	0.000193	0.000235	0.00E+00	2.17E-04	3.41E-04	0.00E+00	3.64E-05	5.82E-05	0.00E+00	1.59E-05	2.33E-05	0.00E+00
1814	441368.2	3769504	0.000192	0.000234	0.00E+00	2.16E-04	3.40E-04	0.00E+00	3.63E-05	5.80E-05	0.00E+00	1.59E-05	2.32E-05	0.00E+00
1815	441358.8	3769503	0.000191	0.000233	0.00E+00	2.16E-04	3.39E-04	0.00E+00	3.62E-05	5.78E-05	0.00E+00	1.58E-05	2.32E-05	0.00E+00
1816	441349.4	3769503	0.000191	0.000233	0.00E+00	2.15E-04	3.38E-04	0.00E+00	3.61E-05	5.76E-05	0.00E+00	1.58E-05	2.31E-05	0.00E+00
1817	441340	3769502	0.00019	0.000232	0.00E+00	2.14E-04	3.37E-04	0.00E+00	3.60E-05	5.75E-05	0.00E+00	1.57E-05	2.30E-05	0.00E+00

1818	441330.6	3769501	0.00019	0.000231	0.00E+00	2.14E-04	3.36E-04	0.00E+00	3.59E-05	5.73E-05	0.00E+00	1.57E-05	2.30E-05	0.00E+00
1819	441321.2	3769500	0.000189	0.000231	0.00E+00	2.13E-04	3.35E-04	0.00E+00	3.57E-05	5.71E-05	0.00E+00	1.56E-05	2.29E-05	0.00E+00
1820	441311.8	3769499	0.000188	0.00023	0.00E+00	2.12E-04	3.34E-04	0.00E+00	3.56E-05	5.69E-05	0.00E+00	1.56E-05	2.28E-05	0.00E+00
1821	441302.4	3769498	0.000188	0.000229	0.00E+00	2.12E-04	3.33E-04	0.00E+00	3.55E-05	5.67E-05	0.00E+00	1.55E-05	2.27E-05	0.00E+00
1822	441293	3769497	0.000187	0.000228	0.00E+00	2.11E-04	3.32E-04	0.00E+00	3.54E-05	5.66E-05	0.00E+00	1.55E-05	2.27E-05	0.00E+00
1823	441236.6	3769492	0.000185	0.000225	0.00E+00	2.08E-04	3.27E-04	0.00E+00	3.49E-05	5.58E-05	0.00E+00	1.53E-05	2.23E-05	0.00E+00
1824	441227.2	3769491	0.000184	0.000224	0.00E+00	2.08E-04	3.26E-04	0.00E+00	3.48E-05	5.56E-05	0.00E+00	1.52E-05	2.23E-05	0.00E+00
1825	441217.8	3769491	0.000184	0.000224	0.00E+00	2.07E-04	3.26E-04	0.00E+00	3.47E-05	5.55E-05	0.00E+00	1.52E-05	2.22E-05	0.00E+00
1826	441208.4	3769490	0.000183	0.000224	0.00E+00	2.07E-04	3.25E-04	0.00E+00	3.47E-05	5.54E-05	0.00E+00	1.52E-05	2.22E-05	0.00E+00
1827	441180.2	3769487	0.000183	0.000223	0.00E+00	2.06E-04	3.24E-04	0.00E+00	3.45E-05	5.52E-05	0.00E+00	1.51E-05	2.21E-05	0.00E+00
1828	441170.8	3769486	0.000182	0.000222	0.00E+00	2.06E-04	3.23E-04	0.00E+00	3.45E-05	5.51E-05	0.00E+00	1.51E-05	2.21E-05	0.00E+00
1829	441152	3769485	0.000182	0.000222	0.00E+00	2.05E-04	3.22E-04	0.00E+00	3.44E-05	5.49E-05	0.00E+00	1.50E-05	2.20E-05	0.00E+00
1830	441105	3769480	0.00018	0.000219	0.00E+00	2.03E-04	3.19E-04	0.00E+00	3.40E-05	5.43E-05	0.00E+00	1.49E-05	2.18E-05	0.00E+00
1831	441095.6	3769479	0.000179	0.000219	0.00E+00	2.02E-04	3.18E-04	0.00E+00	3.39E-05	5.42E-05	0.00E+00	1.48E-05	2.17E-05	0.00E+00
1832	441086.2	3769479	0.000179	0.000218	0.00E+00	2.01E-04	3.17E-04	0.00E+00	3.38E-05	5.40E-05	0.00E+00	1.48E-05	2.16E-05	0.00E+00
1833	441076.8	3769478	0.000178	0.000217	0.00E+00	2.01E-04	3.15E-04	0.00E+00	3.37E-05	5.38E-05	0.00E+00	1.47E-05	2.15E-05	0.00E+00
1834	441067.4	3769477	0.000177	0.000216	0.00E+00	2.00E-04	3.14E-04	0.00E+00	3.35E-05	5.36E-05	0.00E+00	1.47E-05	2.15E-05	0.00E+00
1835	441058	3769476	0.000177	0.000215	0.00E+00	1.99E-04	3.13E-04	0.00E+00	3.34E-05	5.33E-05	0.00E+00	1.46E-05	2.14E-05	0.00E+00
1836	441048.6	3769475	0.000176	0.000214	0.00E+00	1.98E-04	3.11E-04	0.00E+00	3.32E-05	5.31E-05	0.00E+00	1.45E-05	2.13E-05	0.00E+00
1837	440982.8	3769469	0.000172	0.000209	0.00E+00	1.94E-04	3.04E-04	0.00E+00	3.25E-05	5.19E-05	0.00E+00	1.42E-05	2.08E-05	0.00E+00
1838	440973.4	3769468	0.000171	0.000209	0.00E+00	1.93E-04	3.03E-04	0.00E+00	3.24E-05	5.17E-05	0.00E+00	1.42E-05	2.07E-05	0.00E+00
1839	440964	3769467	0.000171	0.000208	0.00E+00	1.92E-04	3.02E-04	0.00E+00	3.22E-05	5.15E-05	0.00E+00	1.41E-05	2.06E-05	0.00E+00
1840	440954.6	3769467	0.00017	0.000207	0.00E+00	1.91E-04	3.01E-04	0.00E+00	3.21E-05	5.13E-05	0.00E+00	1.40E-05	2.05E-05	0.00E+00
1841	440945.2	3769466	0.000169	0.000206	0.00E+00	1.90E-04	2.99E-04	0.00E+00	3.19E-05	5.11E-05	0.00E+00	1.40E-05	2.05E-05	0.00E+00
1842	440935.8	3769465	0.000168	0.000205	0.00E+00	1.90E-04	2.98E-04	0.00E+00	3.18E-05	5.08E-05	0.00E+00	1.39E-05	2.04E-05	0.00E+00
1843	440926.4	3769464	0.000168	0.000204	0.00E+00	1.89E-04	2.97E-04	0.00E+00	3.17E-05	5.06E-05	0.00E+00	1.39E-05	2.03E-05	0.00E+00
1844	440917	3769463	0.000167	0.000203	0.00E+00	1.88E-04	2.96E-04	0.00E+00	3.15E-05	5.04E-05	0.00E+00	1.38E-05	2.02E-05	0.00E+00
1845	440776.6	3769315	0.000188	0.00023	0.00E+00	2.12E-04	3.34E-04	0.00E+00	3.56E-05	5.69E-05	0.00E+00	1.56E-05	2.28E-05	0.00E+00
1846	440772.3	3769307	0.00019	0.000232	0.00E+00	2.15E-04	3.37E-04	0.00E+00	3.60E-05	5.75E-05	0.00E+00	1.57E-05	2.30E-05	0.00E+00
1847	440763.5	3769290	0.000195	0.000237	0.00E+00	2.19E-04	3.45E-04	0.00E+00	3.68E-05	5.88E-05	0.00E+00	1.61E-05	2.36E-05	0.00E+00
1848	440509.3	3768805	0.000338	0.000412	0.00E+00	3.81E-04	6.00E-04	0.00E+00	6.40E-05	1.02E-04	0.00E+00	2.80E-05	4.09E-05	0.00E+00
1849	441593.8	3769525	0.000218	0.000265	0.00E+00	2.45E-04	3.86E-04	0.00E+00	4.12E-05	6.58E-05	0.00E+00	1.80E-05	2.64E-05	0.00E+00
1850	441602.5	3769521	0.000221	0.00027	0.00E+00	2.49E-04	3.92E-04	0.00E+00	4.18E-05	6.68E-05	0.00E+00	1.83E-05	2.68E-05	0.00E+00
1851	441611.2	3769517	0.000225	0.000274	0.00E+00	2.53E-04	3.98E-04	0.00E+00	4.25E-05	6.79E-05	0.00E+00	1.86E-05	2.72E-05	0.00E+00
1852	441619.9	3769514	0.000228	0.000278	0.00E+00	2.57E-04	4.05E-04	0.00E+00	4.32E-05	6.90E-05	0.00E+00	1.89E-05	2.76E-05	0.00E+00
1853	441628.6	3769510	0.000232	0.000283	0.00E+00	2.62E-04	4.11E-04	0.00E+00	4.39E-05	7.01E-05	0.00E+00	1.92E-05	2.81E-05	0.00E+00
1854	441600.3	3769561	0.000201	0.000245	0.00E+00	2.26E-04	3.56E-04	0.00E+00	3.79E-05	6.06E-05	0.00E+00	1.66E-05	2.43E-05	0.00E+00
1855	441590.9	3769560	0.0002	0.000244	0.00E+00	2.25E-04	3.54E-04	0.00E+00	3.78E-05	6.04E-05	0.00E+00	1.65E-05	2.42E-05	0.00E+00
1856	441581.5	3769559	0.000199	0.000243	0.00E+00	2.25E-04	3.53E-04	0.00E+00	3.77E-05	6.02E-05	0.00E+00	1.65E-05	2.41E-05	0.00E+00
1857	441572.1	3769558	0.000198	0.000242	0.00E+00	2.24E-04	3.52E-04	0.00E+00	3.75E-05	6.00E-05	0.00E+00	1.64E-05	2.40E-05	0.00E+00
1858	441562.7	3769557	0.000197	0.000241	0.00E+00	2.23E-04	3.50E-04	0.00E+00	3.73E-05	5.96E-05	0.00E+00	1.63E-05	2.39E-05	0.00E+00
1859	441431	3769545	0.000182	0.000222	0.00E+00	2.05E-04	3.22E-04	0.00E+00	3.44E-05	5.50E-05	0.00E+00	1.50E-05	2.20E-05	0.00E+00
1860	441421.6	3769545	0.000181	0.000221	0.00E+00	2.04E-04	3.21E-04	0.00E+00	3.42E-05	5.47E-05	0.00E+00	1.50E-05	2.19E-05	0.00E+00
1861	441412.2	3769544	0.00018	0.00022	0.00E+00	2.03E-04	3.20E-04	0.00E+00	3.41E-05	5.45E-05	0.00E+00	1.49E-05	2.18E-05	0.00E+00
1862	441402.7	3769543	0.00018	0.000219	0.00E+00	2.03E-04	3.19E-04	0.00E+00	3.40E-05	5.43E-05	0.00E+00	1.49E-05	2.18E-05	0.00E+00
1863	441393.3	3769542	0.000179	0.000218	0.00E+00	2.02E-04	3.17E-04	0.00E+00	3.39E-05	5.41E-05	0.00E+00	1.48E-05	2.17E-05	0.00E+00
1864	441383.9	3769541	0.000179	0.000218	0.00E+00	2.01E-04	3.16E-04	0.00E+00	3.38E-05	5.39E-05	0.00E+00	1.48E-05	2.16E-05	0.00E+00
1865	441374.5	3769540	0.000178	0.000217	0.00E+00	2.01E-04	3.15E-04	0.00E+00	3.36E-05	5.38E-05	0.00E+00	1.47E-05	2.15E-05	0.00E+00
1866	441365.1	3769539	0.000177	0.000216	0.00E+00	2.00E-04	3.14E-04	0.00E+00	3.35E-05	5.36E-05	0.00E+00	1.47E-05	2.15E-05	0.00E+00
1867	441355.7	3769538	0.000177	0.000216	0.00E+00	1.99E-04	3.13E-04	0.00E+00	3.34E-05	5.34E-05	0.00E+00	1.46E-05	2.14E-05	0.00E+00
1868	441346.3	3769538	0.000176	0.000215	0.00E+00	1.99E-04	3.12E-04	0.00E+00	3.33E-05	5.32E-05	0.00E+00	1.46E-05	2.13E-05	0.00E+00
1869	441336.9	3769537	0.000175	0.000214	0.00E+00	1.98E-04	3.11E-04	0.00E+00	3.32E-05	5.30E-05	0.00E+00	1.45E-05	2.12E-05	0.00E+00
1870	441327.5	3769536	0.000175	0.000213	0.00E+00	1.97E-04	3.10E-04	0.00E+00	3.30E-05	5.28E-05	0.00E+00	1.45E-05	2.12E-05	0.00E+00
1871	441318.1	3769535	0.000174	0.000212	0.00E+00	1.96E-04	3.09E-04	0.00E+00	3.30E-05	5.27E-05	0.00E+00	1.44E-05	2.11E-05	0.00E+00
1872	441308.7	3769534	0.000174	0.000212	0.00E+00	1.96E-04	3.08E-04	0.00E+00	3.29E-05	5.25E-05	0.00E+00	1.44E-05	2.10E-05	0.00E+00
1873	441299.3	3769533	0.000173	0.000211	0.00E+00	1.96E-04	3.07E-04	0.00E+00	3.28E-05	5.24E-05	0.00E+00	1.43E-05	2.10E-05	0.00E+00
1874	441289.9	3769532	0.000173	0.000211	0.00E+00	1.95E-04	3.07E-04	0.00E+00	3.27E-05	5.23E-05	0.00E+00	1.43E-05	2.10E-05	0.00E+00
1875	441214.6	3769526	0.000171	0.000209	0.00E+00	1.93E-04	3.04E-04	0.00E+00	3.24E-05	5.18E-05	0.00E+00	1.42E-05	2.07E-05	0.00E+00
1876	441205.2	3769525	0.000171	0.000209	0.00E+00	1.93E-04	3.03E-04	0.00E+00	3.23E-05	5.17E-05	0.00E+00	1.41E-05	2.07E-05	0.00E+00
1877	441177	3769522	0.000171	0.000208	0.00E+00	1.92E-04	3.03E-04	0.00E+00	3.23E-05	5.16E-05	0.00E+00	1.41E-05	2.07E-05	0.00E+00
1878	441167.6	3769521	0.00017	0.000208	0.00E+00	1.92E-04	3.02E-04	0.00E+00	3.22E-05	5.15E-05	0.00E+00	1.41E-05	2.06E-05	0.00E+00
1879	441158.2	3769520	0.00017	0.000207	0.00E+00	1.92E-04	3.01E-04	0.00E+00	3.21E-05	5.13E-05	0.00E+00	1.41E-05	2.06E-05	0.00E+00
1880	441148.8	3769520	0.00017	0.000207	0.00E+00	1.91E-04	3.00E-04	0.00E+00	3.20E-05	5.12E-05	0.00E+00	1.40E-05	2.05E-05	0.00E+00
1881	441101.7	3769515	0.000166	0.000203	0.00E+00	1.87E-04	2.94E-04	0.00E+00	3.14E-05	5.02E-05	0.00E+00	1.37E-05	2.01E-05	0.00E+00
1882	441082.9	3769514	0.000165	0.000201	0.00E+00	1.86E-04	2.92E-04	0.00E+00	3.12E-05	4.98E-05	0.00E+00	1.36E-05	2.00E-05	0.00E+00
1883	441073.5	3769513	0.000164	0.0002	0.00E+00	1.85E-04	2.91E-04	0.00E+00	3.10E-05	4.96E-05	0.00E+00	1.36E-05	1.99E-05	0.00E+00
1884	441064.1	3769512	0.000164	0.000199	0.00E+00	1.84E-04	2.90E-04	0.00E+00	3.09E-05	4.94E-05	0.00E+00	1.35E-05	1.98E-05	0.00E+00
1885	441054.7	3769511	0.000163	0.000199	0.00E+00	1.84E-04	2.89E-04	0.00E+00	3.08E-05	4.92E-05	0.00E+00	1.35E-05	1.97E-05	0.00E+00
1886	441045.3	3769510	0.000162	0.000198	0.00E+00	1.83E-04	2.88E-04	0.00E+00	3.07E-05	4.91E-05	0.00E+00	1.34E-05	1.97E-05	0.00E+00
1887	441035.9	3769509	0.000162	0.000197	0.00E+00	1.83E-04	2.87E-04	0.00E+00	3.06E-05	4.89E-05	0.00E+00	1.34E-05	1.96E-05	0.00E+00
1888	441017.1	3769508	0.000161	0.000196	0.00E+00	1.82E-04	2.85E-04	0.00E+00	3.04E-05	4.87E-05	0.00E+00	1.33E-05	1.95E-05	0.00E+00
1889	440970	3769503	0.000159	0.000194	0.00E+00	1.79E-04	2.82E-04	0.00E+00	3.01E-05	4.81E-05	0.00E+00	1.32E-05	1.93E-05	0.00E+00
1890	440960.6	3769502	0.000159	0.000194	0.00E+00	1.79E-04	2.81E-04	0.00E+00	3.00E-05	4.80E-05	0.00E+00	1.31E-05	1.92E-05	0.00E+00
1891	440951.2	3769502	0.000158	0.000193	0.00E+00	1.79E-04	2.81E-04	0.00E+00	2.99E-05	4.79E-05	0.00E+00	1.31E-05	1.92E-05	0.00E+00
1892	440941.8	3769501	0.000158	0.000193	0.00E+00	1.78E-04	2.80E-04	0.00E+00	2.99E-05	4.77E-05	0.00E+00	1.31E-05	1.91E-05	0.00E+00
1893	440932.4	3769500	0.000157	0.000192	0.00E+00	1.77E-04	2.79E-04	0.00E+00	2.98E-05	4.76E-05	0.00E+00	1.30E-05	1.91E-05	0.00E+00
1894	440923	3769499	0.000157	0.000191	0.00E+00	1.77E-04	2.78E-04	0.00E+00	2.97E-05	4.74E-05	0.00E+00	1.30E-05	1.90E-05	0.00E+00
1895	440913.6	3769498	0.000156	0.000191	0.00E+00	1.76E-04	2.77E-04	0.00E+00	2.96E-05	4.72E-05	0.00E+00	1.29E-05	1.89E-05	0.00E+00
1896	440904.2	3769497	0.000156	0.00019	0.00E+00	1.76E-04	2.76E-04	0.00E+00	2.95E-05	4.71E-05	0.00E+00	1.29E-05	1.89E-05	0.00E+00
1897	440847.7	3769492	0.000151	0.000184	0.00E+00	1.70E-04	2.68E-04	0.00E+00	2.85E-05	4.56E-05	0.00E+00	1.25E-05	1.83E-05	0.00E+00
1898	440838.3	3769491	0.00015	0.000183	0.00E+00	1.69E-04	2.66E-04	0.00E+00	2.83E-05	4.53E-05	0.00E+00	1.24E-05	1.81E-05	0.00E+00
1899	440473.6	3768813	0.000314	0.000383	0.00E+00	3.54E-04	5.56E-04	0.00E+00	5.94E-05	9.49E-05	0.00E+00	2.60E-05	3.80E-05	0.00E+00
1900	440469.3	3768804	0.000316	0.000385	0.00E+00	3.56E-04	5.59E-04	0.00E+00	5.97E-05	9.53E-05	0.00E+00	2.61E-05	3.82E-05	0.00E+00
1901	441609.7	3769562	0.000202	0.000246	0.00E+00	2.27E-04	3.58E-04	0.00E+00	3.82E-05	6.10E-05	0.00E+00	1.67E-05	2.44E-05	0.00E+00
1902	441618.4	3769558	0.000205	0.00025	0.00E+00	2.31E-04	3.63E-04	0.00E+00	3.87E-05	6.19E-05	0.00E+00	1.69E-05	2.48E-05	0.00E+00
1903	441627.1	3769554	0.000208	0.000253	0.00E+00	2.34E-04	3.68E-04	0.00E+00	3.93E-05	6.28E-05	0.00E+00	1.72E-05	2.52E-05	0.00E+00
1904	441635.7	3769550	0.000211	0.000258	0.00E+00	2.38E-04	3.74E-04	0.00E+00	3.99E-05	6.38E-05	0.00E+00	1.75E-05	2.56E-05	0.00E+00
1905	441644.4	3769547	0.000215	0.000262	0.00E+00	2.42E-04	3.80E-04	0.00E+00	4.06E-05	6.49E-05	0.00E+00	1.78E-05	2.60E-05	0.00E+00
1906	441616.2	3769598	0.000189	0.00023	0.00E+00	2.13E-04	3.35E-04	0.00E+00	3.57E-05	5.71E-05	0.00E+00	1.56E-05	2.29E-05	0.00E+00
1907	441606.9	3769597	0.000188	0.000229	0.00E+00	2.11E-04	3.32E-04	0.00E+00	3.55E-05	5.67E-05	0.00E+00	1.55E-05	2.27E-05	0.00E+00
1908	441597.6	3769596	0.000186	0.000227	0.00E+00	2.10E-04	3.30E-04	0.00E+00	3.52E-05	5.63E-05	0.00E+00	1.54E-05	2.26E-05	0.00E+00

1909	441588.3	3769595	0.000185	0.000226	0.00E+00	2.09E-04	3.28E-04	0.00E+00	3.50E-05	5.60E-05	0.00E+00	1.53E-05	2.24E-05	0.00E+00
1910	441579	3769594	0.000184	0.000225	0.00E+00	2.08E-04	3.26E-04	0.00E+00	3.48E-05	5.56E-05	0.00E+00	1.52E-05	2.23E-05	0.00E+00
1911	441569.7	3769593	0.000183	0.000223	0.00E+00	2.06E-04	3.25E-04	0.00E+00	3.46E-05	5.53E-05	0.00E+00	1.51E-05	2.22E-05	0.00E+00
1912	441560.4	3769592	0.000182	0.000222	0.00E+00	2.06E-04	3.23E-04	0.00E+00	3.45E-05	5.51E-05	0.00E+00	1.51E-05	2.21E-05	0.00E+00
1913	441551.1	3769592	0.000182	0.000221	0.00E+00	2.05E-04	3.22E-04	0.00E+00	3.43E-05	5.49E-05	0.00E+00	1.50E-05	2.20E-05	0.00E+00
1914	441541.8	3769591	0.000181	0.000221	0.00E+00	2.04E-04	3.21E-04	0.00E+00	3.42E-05	5.47E-05	0.00E+00	1.50E-05	2.19E-05	0.00E+00
1915	441532.5	3769590	0.00018	0.000219	0.00E+00	2.03E-04	3.19E-04	0.00E+00	3.40E-05	5.44E-05	0.00E+00	1.49E-05	2.18E-05	0.00E+00
1916	441523.2	3769589	0.000179	0.000218	0.00E+00	2.02E-04	3.17E-04	0.00E+00	3.38E-05	5.41E-05	0.00E+00	1.48E-05	2.17E-05	0.00E+00
1917	441513.9	3769588	0.000178	0.000217	0.00E+00	2.01E-04	3.15E-04	0.00E+00	3.37E-05	5.38E-05	0.00E+00	1.47E-05	2.15E-05	0.00E+00
1918	441504.6	3769587	0.000177	0.000216	0.00E+00	2.00E-04	3.14E-04	0.00E+00	3.35E-05	5.35E-05	0.00E+00	1.46E-05	2.14E-05	0.00E+00
1919	441495.3	3769587	0.000176	0.000215	0.00E+00	1.99E-04	3.12E-04	0.00E+00	3.33E-05	5.32E-05	0.00E+00	1.46E-05	2.13E-05	0.00E+00
1920	441486	3769586	0.000175	0.000214	0.00E+00	1.98E-04	3.11E-04	0.00E+00	3.31E-05	5.29E-05	0.00E+00	1.45E-05	2.12E-05	0.00E+00
1921	441476.7	3769585	0.000174	0.000212	0.00E+00	1.96E-04	3.09E-04	0.00E+00	3.29E-05	5.26E-05	0.00E+00	1.44E-05	2.11E-05	0.00E+00
1922	441467.4	3769584	0.000173	0.000211	0.00E+00	1.95E-04	3.07E-04	0.00E+00	3.27E-05	5.23E-05	0.00E+00	1.43E-05	2.09E-05	0.00E+00
1923	441458.1	3769583	0.000172	0.00021	0.00E+00	1.94E-04	3.05E-04	0.00E+00	3.25E-05	5.19E-05	0.00E+00	1.42E-05	2.08E-05	0.00E+00
1924	441206.8	3769560	0.00016	0.000195	0.00E+00	1.80E-04	2.84E-04	0.00E+00	3.03E-05	4.84E-05	0.00E+00	1.32E-05	1.94E-05	0.00E+00
1925	441178.9	3769558	0.000159	0.000194	0.00E+00	1.79E-04	2.82E-04	0.00E+00	3.01E-05	4.81E-05	0.00E+00	1.32E-05	1.93E-05	0.00E+00
1926	441169.6	3769557	0.000159	0.000194	0.00E+00	1.79E-04	2.82E-04	0.00E+00	3.01E-05	4.81E-05	0.00E+00	1.32E-05	1.93E-05	0.00E+00
1927	441160.3	3769556	0.000159	0.000194	0.00E+00	1.79E-04	2.82E-04	0.00E+00	3.01E-05	4.80E-05	0.00E+00	1.31E-05	1.92E-05	0.00E+00
1928	441151	3769555	0.000159	0.000194	0.00E+00	1.79E-04	2.81E-04	0.00E+00	3.00E-05	4.80E-05	0.00E+00	1.31E-05	1.92E-05	0.00E+00
1929	441141.7	3769554	0.000158	0.000193	0.00E+00	1.78E-04	2.80E-04	0.00E+00	2.99E-05	4.77E-05	0.00E+00	1.31E-05	1.91E-05	0.00E+00
1930	441085.8	3769549	0.000153	0.000186	0.00E+00	1.72E-04	2.70E-04	0.00E+00	2.88E-05	4.61E-05	0.00E+00	1.26E-05	1.85E-05	0.00E+00
1931	441076.5	3769548	0.000152	0.000185	0.00E+00	1.71E-04	2.70E-04	0.00E+00	2.88E-05	4.60E-05	0.00E+00	1.26E-05	1.84E-05	0.00E+00
1932	441067.2	3769547	0.000152	0.000185	0.00E+00	1.71E-04	2.69E-04	0.00E+00	2.87E-05	4.58E-05	0.00E+00	1.25E-05	1.84E-05	0.00E+00
1933	441057.9	3769547	0.000151	0.000185	0.00E+00	1.71E-04	2.68E-04	0.00E+00	2.86E-05	4.57E-05	0.00E+00	1.25E-05	1.83E-05	0.00E+00
1934	441048.6	3769546	0.000151	0.000185	0.00E+00	1.71E-04	2.68E-04	0.00E+00	2.86E-05	4.57E-05	0.00E+00	1.25E-05	1.83E-05	0.00E+00
1935	441039.3	3769545	0.000151	0.000185	0.00E+00	1.71E-04	2.68E-04	0.00E+00	2.86E-05	4.57E-05	0.00E+00	1.25E-05	1.83E-05	0.00E+00
1936	441030	3769544	0.000151	0.000185	0.00E+00	1.71E-04	2.68E-04	0.00E+00	2.86E-05	4.57E-05	0.00E+00	1.25E-05	1.83E-05	0.00E+00
1937	441020.7	3769543	0.000151	0.000184	0.00E+00	1.71E-04	2.68E-04	0.00E+00	2.86E-05	4.57E-05	0.00E+00	1.25E-05	1.83E-05	0.00E+00
1938	440955.6	3769537	0.00015	0.000183	0.00E+00	1.69E-04	2.65E-04	0.00E+00	2.83E-05	4.52E-05	0.00E+00	1.24E-05	1.81E-05	0.00E+00
1939	440946.3	3769536	0.000149	0.000182	0.00E+00	1.68E-04	2.64E-04	0.00E+00	2.82E-05	4.51E-05	0.00E+00	1.23E-05	1.81E-05	0.00E+00
1940	440937	3769536	0.000149	0.000181	0.00E+00	1.67E-04	2.63E-04	0.00E+00	2.81E-05	4.49E-05	0.00E+00	1.23E-05	1.80E-05	0.00E+00
1941	440927.7	3769535	0.000148	0.00018	0.00E+00	1.67E-04	2.62E-04	0.00E+00	2.80E-05	4.47E-05	0.00E+00	1.22E-05	1.79E-05	0.00E+00
1942	440918.3	3769534	0.000147	0.00018	0.00E+00	1.66E-04	2.61E-04	0.00E+00	2.78E-05	4.45E-05	0.00E+00	1.22E-05	1.78E-05	0.00E+00
1943	440909	3769533	0.000147	0.000179	0.00E+00	1.65E-04	2.60E-04	0.00E+00	2.77E-05	4.43E-05	0.00E+00	1.21E-05	1.78E-05	0.00E+00
1944	440899.7	3769532	0.000146	0.000178	0.00E+00	1.65E-04	2.59E-04	0.00E+00	2.76E-05	4.42E-05	0.00E+00	1.21E-05	1.77E-05	0.00E+00
1945	440890.4	3769531	0.000146	0.000178	0.00E+00	1.64E-04	2.58E-04	0.00E+00	2.76E-05	4.40E-05	0.00E+00	1.21E-05	1.76E-05	0.00E+00
1946	440834.6	3769526	0.000141	0.000172	0.00E+00	1.59E-04	2.50E-04	0.00E+00	2.67E-05	4.26E-05	0.00E+00	1.17E-05	1.71E-05	0.00E+00
1947	440825.3	3769525	0.00014	0.000171	0.00E+00	1.58E-04	2.48E-04	0.00E+00	2.65E-05	4.23E-05	0.00E+00	1.16E-05	1.69E-05	0.00E+00
1948	440802.3	3769515	0.00014	0.00017	0.00E+00	1.57E-04	2.48E-04	0.00E+00	2.64E-05	4.22E-05	0.00E+00	1.16E-05	1.69E-05	0.00E+00
1949	440785	3769482	0.000145	0.000177	0.00E+00	1.64E-04	2.58E-04	0.00E+00	2.75E-05	4.39E-05	0.00E+00	1.20E-05	1.76E-05	0.00E+00
1950	440780.7	3769474	0.000147	0.000179	0.00E+00	1.66E-04	2.60E-04	0.00E+00	2.78E-05	4.44E-05	0.00E+00	1.21E-05	1.78E-05	0.00E+00
1951	440776.3	3769466	0.000148	0.000181	0.00E+00	1.67E-04	2.63E-04	0.00E+00	2.80E-05	4.48E-05	0.00E+00	1.23E-05	1.80E-05	0.00E+00
1952	440759	3769433	0.000154	0.000188	0.00E+00	1.74E-04	2.73E-04	0.00E+00	2.91E-05	4.65E-05	0.00E+00	1.27E-05	1.86E-05	0.00E+00
1953	440754.6	3769424	0.000155	0.000189	0.00E+00	1.75E-04	2.75E-04	0.00E+00	2.93E-05	4.69E-05	0.00E+00	1.28E-05	1.88E-05	0.00E+00
1954	440529	3768994	0.000256	0.000311	0.00E+00	2.88E-04	4.53E-04	0.00E+00	4.83E-05	7.72E-05	0.00E+00	2.11E-05	3.09E-05	0.00E+00
1955	440524.7	3768986	0.000258	0.000314	0.00E+00	2.90E-04	4.56E-04	0.00E+00	4.87E-05	7.78E-05	0.00E+00	2.13E-05	3.12E-05	0.00E+00
1956	440520.3	3768977	0.00026	0.000316	0.00E+00	2.93E-04	4.60E-04	0.00E+00	4.91E-05	7.84E-05	0.00E+00	2.15E-05	3.14E-05	0.00E+00
1957	440516	3768969	0.000262	0.000319	0.00E+00	2.95E-04	4.63E-04	0.00E+00	4.94E-05	7.90E-05	0.00E+00	2.16E-05	3.16E-05	0.00E+00
1958	440507.3	3768953	0.000265	0.000324	0.00E+00	2.99E-04	4.70E-04	0.00E+00	5.02E-05	8.02E-05	0.00E+00	2.20E-05	3.21E-05	0.00E+00
1959	440433.6	3768812	0.000294	0.000359	0.00E+00	3.32E-04	5.21E-04	0.00E+00	5.56E-05	8.89E-05	0.00E+00	2.43E-05	3.56E-05	0.00E+00
1960	440429.2	3768804	0.000295	0.00036	0.00E+00	3.33E-04	5.24E-04	0.00E+00	5.58E-05	8.93E-05	0.00E+00	2.44E-05	3.58E-05	0.00E+00
1961	441625.5	3769598	0.00019	0.000232	0.00E+00	2.14E-04	3.37E-04	0.00E+00	3.60E-05	5.75E-05	0.00E+00	1.57E-05	2.30E-05	0.00E+00
1962	441634.2	3769595	0.000193	0.000235	0.00E+00	2.17E-04	3.42E-04	0.00E+00	3.65E-05	5.83E-05	0.00E+00	1.60E-05	2.34E-05	0.00E+00
1963	441642.9	3769591	0.000196	0.000239	0.00E+00	2.21E-04	3.47E-04	0.00E+00	3.70E-05	5.91E-05	0.00E+00	1.62E-05	2.37E-05	0.00E+00
1964	441651.6	3769587	0.000199	0.000242	0.00E+00	2.24E-04	3.52E-04	0.00E+00	3.75E-05	6.00E-05	0.00E+00	1.64E-05	2.40E-05	0.00E+00
1965	441660.3	3769583	0.000201	0.000246	0.00E+00	2.27E-04	3.57E-04	0.00E+00	3.81E-05	6.09E-05	0.00E+00	1.67E-05	2.44E-05	0.00E+00
1966	441632.1	3769634	0.000178	0.000218	0.00E+00	2.01E-04	3.16E-04	0.00E+00	3.37E-05	5.39E-05	0.00E+00	1.48E-05	2.16E-05	0.00E+00
1967	441622.8	3769633	0.000177	0.000216	0.00E+00	2.00E-04	3.14E-04	0.00E+00	3.35E-05	5.36E-05	0.00E+00	1.47E-05	2.15E-05	0.00E+00
1968	441613.5	3769633	0.000176	0.000215	0.00E+00	1.98E-04	3.12E-04	0.00E+00	3.33E-05	5.32E-05	0.00E+00	1.46E-05	2.13E-05	0.00E+00
1969	441604.1	3769632	0.000175	0.000213	0.00E+00	1.97E-04	3.10E-04	0.00E+00	3.31E-05	5.28E-05	0.00E+00	1.45E-05	2.12E-05	0.00E+00
1970	441594.8	3769631	0.000174	0.000212	0.00E+00	1.96E-04	3.08E-04	0.00E+00	3.28E-05	5.25E-05	0.00E+00	1.44E-05	2.10E-05	0.00E+00
1971	441585.5	3769630	0.000172	0.00021	0.00E+00	1.94E-04	3.06E-04	0.00E+00	3.26E-05	5.21E-05	0.00E+00	1.43E-05	2.09E-05	0.00E+00
1972	441576.2	3769629	0.000171	0.000209	0.00E+00	1.93E-04	3.03E-04	0.00E+00	3.24E-05	5.17E-05	0.00E+00	1.42E-05	2.07E-05	0.00E+00
1973	441566.9	3769628	0.00017	0.000207	0.00E+00	1.92E-04	3.01E-04	0.00E+00	3.22E-05	5.14E-05	0.00E+00	1.41E-05	2.06E-05	0.00E+00
1974	441557.6	3769627	0.000169	0.000206	0.00E+00	1.91E-04	3.00E-04	0.00E+00	3.20E-05	5.11E-05	0.00E+00	1.40E-05	2.05E-05	0.00E+00
1975	441548.3	3769627	0.000168	0.000205	0.00E+00	1.90E-04	2.98E-04	0.00E+00	3.18E-05	5.09E-05	0.00E+00	1.39E-05	2.04E-05	0.00E+00
1976	441538.9	3769626	0.000168	0.000204	0.00E+00	1.89E-04	2.97E-04	0.00E+00	3.17E-05	5.06E-05	0.00E+00	1.39E-05	2.03E-05	0.00E+00
1977	441529.6	3769625	0.000167	0.000203	0.00E+00	1.88E-04	2.95E-04	0.00E+00	3.15E-05	5.03E-05	0.00E+00	1.38E-05	2.02E-05	0.00E+00
1978	441520.3	3769624	0.000166	0.000202	0.00E+00	1.87E-04	2.94E-04	0.00E+00	3.13E-05	5.01E-05	0.00E+00	1.37E-05	2.01E-05	0.00E+00
1979	441511	3769623	0.000165	0.000201	0.00E+00	1.86E-04	2.92E-04	0.00E+00	3.12E-05	4.98E-05	0.00E+00	1.36E-05	1.99E-05	0.00E+00
1980	441501.7	3769622	0.000164	0.0002	0.00E+00	1.85E-04	2.91E-04	0.00E+00	3.10E-05	4.95E-05	0.00E+00	1.36E-05	1.98E-05	0.00E+00
1981	441492.4	3769622	0.000163	0.000199	0.00E+00	1.84E-04	2.89E-04	0.00E+00	3.08E-05	4.93E-05	0.00E+00	1.35E-05	1.97E-05	0.00E+00
1982	441483	3769621	0.000162	0.000198	0.00E+00	1.83E-04	2.88E-04	0.00E+00	3.07E-05	4.90E-05	0.00E+00	1.34E-05	1.96E-05	0.00E+00
1983	441473.7	3769620	0.000162	0.000197	0.00E+00	1.82E-04	2.86E-04	0.00E+00	3.05E-05	4.88E-05	0.00E+00	1.34E-05	1.96E-05	0.00E+00
1984	441464.4	3769619	0.000161	0.000196	0.00E+00	1.81E-04	2.85E-04	0.00E+00	3.04E-05	4.86E-05	0.00E+00	1.33E-05	1.95E-05	0.00E+00
1985	441455.1	3769618	0.00016	0.000195	0.00E+00	1.80E-04	2.84E-04	0.00E+00	3.03E-05	4.84E-05	0.00E+00	1.32E-05	1.94E-05	0.00E+00
1986	441445.8	3769617	0.000159	0.000194	0.00E+00	1.80E-04	2.83E-04	0.00E+00	3.01E-05	4.82E-05	0.00E+00	1.32E-05	1.93E-05	0.00E+00
1987	441436.5	3769616	0.000159	0.000194	0.00E+00	1.79E-04	2.81E-04	0.00E+00	3.00E-05	4.80E-05	0.00E+00	1.31E-05	1.92E-05	0.00E+00
1988	441427.2	3769616	0.000158	0.000193	0.00E+00	1.78E-04	2.80E-04	0.00E+00	2.99E-05	4.78E-05	0.00E+00	1.31E-05	1.92E-05	0.00E+00
1989	441417.8	3769615	0.000158	0.000192	0.00E+00	1.78E-04	2.79E-04	0.00E+00	2.98E-05	4.76E-05	0.00E+00	1.30E-05	1.91E-05	0.00E+00
1990	441408.5	3769614	0.000157	0.000192	0.00E+00	1.77E-04	2.79E-04	0.00E+00	2.97E-05	4.75E-05	0.00E+00	1.30E-05	1.90E-05	0.00E+00
1991	441399.2	3769613	0.000157	0.000191	0.00E+00	1.77E-04	2.78E-04	0.00E+00	2.96E-05	4.73E-05	0.00E+00	1.30E-05	1.90E-05	0.00E+00
1992	441389.9	3769612	0.000156	0.00019	0.00E+00	1.76E-04	2.77E-04	0.00E+00	2.95E-05	4.72E-05	0.00E+00	1.29E-05	1.89E-05	0.00E+00
1993	441380.6	3769611	0.000156	0.00019	0.00E+00	1.76E-04	2.76E-04	0.00E+00	2.95E-05	4.71E-05	0.00E+00	1.29E-05	1.89E-05	0.00E+00
1994	441371.3	3769610	0.000156	0.00019	0.00E+00	1.76E-04	2.76E-04	0.00E+00	2.95E-05	4.71E-05	0.00E+00	1.29E-05	1.89E-05	0.00E+00
1995	441362	3769610	0.000156	0.00019	0.00E+00	1.75E-04	2.76E-04	0.00E+00	2.94E-05	4.70E-05	0.00E+00	1.29E-05	1.88E-05	0.00E+00
1996	441352.6	3769609	0.000155	0.000189	0.00E+00	1.75E-04	2.75E-04	0.00E+00	2.93E-05	4.69E-05	0.00E+00	1.28E-05	1.88E-05	0.00E+00
1997	441343.3	3769608	0.000155	0.000189	0.00E+00	1.75E-04	2.74E-04	0.00E+00	2.93E-05	4.68E-05	0.00E+00	1.28E-05	1.87E-05	0.00E+00
1998	441334	3769607	0.000155	0.000188	0.00E+00	1.74E-04	2.74E-04	0.00E+00	2.92E-05	4.67E-05	0.00E+00	1.28E-05	1.87E-05	0.00E+00
1999	441324.7	3769606	0.000154	0.000188	0.00E+00	1.74E-04	2.73E-04	0.00E+00	2.91E-05	4.65E-05	0.00E+00	1.27E-05	1.86E-05	0.00E+00

2000	441315.4	3769605	0.000154	0.000187	0.00E+00	1.73E-04	2.72E-04	0.00E+00	2.90E-05	4.64E-05	0.00E+00	1.27E-05	1.86E-05	0.00E+00
2001	441306.1	3769605	0.000153	0.000186	0.00E+00	1.72E-04	2.71E-04	0.00E+00	2.89E-05	4.62E-05	0.00E+00	1.26E-05	1.85E-05	0.00E+00
2002	441296.8	3769604	0.000152	0.000186	0.00E+00	1.72E-04	2.70E-04	0.00E+00	2.88E-05	4.60E-05	0.00E+00	1.26E-05	1.84E-05	0.00E+00
2003	441287.4	3769603	0.000152	0.000185	0.00E+00	1.71E-04	2.69E-04	0.00E+00	2.87E-05	4.59E-05	0.00E+00	1.26E-05	1.84E-05	0.00E+00
2004	441278.1	3769602	0.000151	0.000184	0.00E+00	1.71E-04	2.68E-04	0.00E+00	2.86E-05	4.57E-05	0.00E+00	1.25E-05	1.83E-05	0.00E+00
2005	441268.8	3769601	0.000151	0.000184	0.00E+00	1.70E-04	2.67E-04	0.00E+00	2.85E-05	4.56E-05	0.00E+00	1.25E-05	1.82E-05	0.00E+00
2006	441259.5	3769600	0.000151	0.000184	0.00E+00	1.70E-04	2.67E-04	0.00E+00	2.85E-05	4.55E-05	0.00E+00	1.25E-05	1.82E-05	0.00E+00
2007	441250.2	3769599	0.000151	0.000184	0.00E+00	1.70E-04	2.67E-04	0.00E+00	2.85E-05	4.55E-05	0.00E+00	1.25E-05	1.82E-05	0.00E+00
2008	441240.9	3769599	0.00015	0.000183	0.00E+00	1.70E-04	2.67E-04	0.00E+00	2.84E-05	4.55E-05	0.00E+00	1.24E-05	1.82E-05	0.00E+00
2009	441175.7	3769593	0.000149	0.000182	0.00E+00	1.68E-04	2.64E-04	0.00E+00	2.82E-05	4.50E-05	0.00E+00	1.23E-05	1.80E-05	0.00E+00
2010	441166.3	3769592	0.000149	0.000181	0.00E+00	1.67E-04	2.63E-04	0.00E+00	2.81E-05	4.49E-05	0.00E+00	1.23E-05	1.80E-05	0.00E+00
2011	441157	3769591	0.000148	0.00018	0.00E+00	1.67E-04	2.62E-04	0.00E+00	2.80E-05	4.47E-05	0.00E+00	1.22E-05	1.79E-05	0.00E+00
2012	441147.7	3769590	0.000147	0.00018	0.00E+00	1.66E-04	2.61E-04	0.00E+00	2.79E-05	4.45E-05	0.00E+00	1.22E-05	1.78E-05	0.00E+00
2013	441138.4	3769589	0.000147	0.000179	0.00E+00	1.65E-04	2.60E-04	0.00E+00	2.77E-05	4.43E-05	0.00E+00	1.21E-05	1.77E-05	0.00E+00
2014	441129.1	3769588	0.000146	0.000178	0.00E+00	1.64E-04	2.58E-04	0.00E+00	2.76E-05	4.41E-05	0.00E+00	1.21E-05	1.76E-05	0.00E+00
2015	441119.8	3769588	0.000145	0.000177	0.00E+00	1.63E-04	2.57E-04	0.00E+00	2.74E-05	4.38E-05	0.00E+00	1.20E-05	1.75E-05	0.00E+00
2016	440868.3	3769565	0.000136	0.000166	0.00E+00	1.53E-04	2.41E-04	0.00E+00	2.57E-05	4.11E-05	0.00E+00	1.13E-05	1.65E-05	0.00E+00
2017	440859	3769564	0.000135	0.000165	0.00E+00	1.53E-04	2.40E-04	0.00E+00	2.56E-05	4.09E-05	0.00E+00	1.12E-05	1.64E-05	0.00E+00
2018	440849.6	3769563	0.000135	0.000164	0.00E+00	1.52E-04	2.39E-04	0.00E+00	2.55E-05	4.07E-05	0.00E+00	1.11E-05	1.63E-05	0.00E+00
2019	440840.3	3769562	0.000134	0.000163	0.00E+00	1.51E-04	2.37E-04	0.00E+00	2.53E-05	4.04E-05	0.00E+00	1.11E-05	1.62E-05	0.00E+00
2020	440831	3769561	0.000133	0.000162	0.00E+00	1.50E-04	2.35E-04	0.00E+00	2.51E-05	4.01E-05	0.00E+00	1.10E-05	1.61E-05	0.00E+00
2021	440821.7	3769560	0.000132	0.000161	0.00E+00	1.49E-04	2.34E-04	0.00E+00	2.49E-05	3.98E-05	0.00E+00	1.09E-05	1.60E-05	0.00E+00
2022	440803.1	3769559	0.000131	0.000159	0.00E+00	1.47E-04	2.32E-04	0.00E+00	2.47E-05	3.95E-05	0.00E+00	1.08E-05	1.58E-05	0.00E+00
2023	440793.8	3769558	0.00013	0.000159	0.00E+00	1.47E-04	2.31E-04	0.00E+00	2.46E-05	3.93E-05	0.00E+00	1.08E-05	1.58E-05	0.00E+00
2024	440780.1	3769549	0.000131	0.00016	0.00E+00	1.48E-04	2.32E-04	0.00E+00	2.47E-05	3.96E-05	0.00E+00	1.08E-05	1.58E-05	0.00E+00
2025	440775.8	3769540	0.000132	0.000161	0.00E+00	1.49E-04	2.34E-04	0.00E+00	2.50E-05	3.99E-05	0.00E+00	1.09E-05	1.60E-05	0.00E+00
2026	440771.4	3769532	0.000134	0.000163	0.00E+00	1.51E-04	2.37E-04	0.00E+00	2.52E-05	4.03E-05	0.00E+00	1.10E-05	1.62E-05	0.00E+00
2027	440767.1	3769524	0.000135	0.000164	0.00E+00	1.52E-04	2.39E-04	0.00E+00	2.55E-05	4.07E-05	0.00E+00	1.11E-05	1.63E-05	0.00E+00
2028	440762.7	3769515	0.000136	0.000166	0.00E+00	1.53E-04	2.41E-04	0.00E+00	2.57E-05	4.11E-05	0.00E+00	1.12E-05	1.64E-05	0.00E+00
2029	440758.4	3769507	0.000137	0.000167	0.00E+00	1.55E-04	2.43E-04	0.00E+00	2.59E-05	4.14E-05	0.00E+00	1.13E-05	1.66E-05	0.00E+00
2030	440754	3769499	0.000138	0.000168	0.00E+00	1.56E-04	2.45E-04	0.00E+00	2.61E-05	4.18E-05	0.00E+00	1.14E-05	1.67E-05	0.00E+00
2031	440749.7	3769491	0.000139	0.00017	0.00E+00	1.57E-04	2.47E-04	0.00E+00	2.64E-05	4.21E-05	0.00E+00	1.15E-05	1.69E-05	0.00E+00
2032	440736.7	3769466	0.000143	0.000175	0.00E+00	1.62E-04	2.54E-04	0.00E+00	2.71E-05	4.33E-05	0.00E+00	1.18E-05	1.73E-05	0.00E+00
2033	440732.3	3769457	0.000144	0.000176	0.00E+00	1.63E-04	2.56E-04	0.00E+00	2.73E-05	4.36E-05	0.00E+00	1.19E-05	1.75E-05	0.00E+00
2034	440728	3769449	0.000146	0.000177	0.00E+00	1.64E-04	2.58E-04	0.00E+00	2.75E-05	4.40E-05	0.00E+00	1.20E-05	1.76E-05	0.00E+00
2035	440489.1	3768994	0.000242	0.000295	0.00E+00	2.72E-04	4.28E-04	0.00E+00	4.57E-05	7.30E-05	0.00E+00	2.00E-05	2.92E-05	0.00E+00
2036	440484.8	3768985	0.000243	0.000297	0.00E+00	2.74E-04	4.31E-04	0.00E+00	4.60E-05	7.35E-05	0.00E+00	2.01E-05	2.95E-05	0.00E+00
2037	440480.4	3768977	0.000245	0.000299	0.00E+00	2.76E-04	4.35E-04	0.00E+00	4.64E-05	7.41E-05	0.00E+00	2.03E-05	2.97E-05	0.00E+00
2038	440476.1	3768969	0.000247	0.000301	0.00E+00	2.78E-04	4.38E-04	0.00E+00	4.67E-05	7.46E-05	0.00E+00	2.04E-05	2.99E-05	0.00E+00
2039	440467.4	3768952	0.000251	0.000306	0.00E+00	2.83E-04	4.44E-04	0.00E+00	4.74E-05	7.57E-05	0.00E+00	2.07E-05	3.03E-05	0.00E+00
2040	440393.6	3768811	0.000276	0.000336	0.00E+00	3.11E-04	4.89E-04	0.00E+00	5.22E-05	8.34E-05	0.00E+00	2.28E-05	3.34E-05	0.00E+00
2041	440389.2	3768803	0.000277	0.000338	0.00E+00	3.12E-04	4.91E-04	0.00E+00	5.24E-05	8.37E-05	0.00E+00	2.29E-05	3.35E-05	0.00E+00
2042	441641.4	3769635	0.000179	0.000219	0.00E+00	2.02E-04	3.18E-04	0.00E+00	3.39E-05	5.42E-05	0.00E+00	1.48E-05	2.17E-05	0.00E+00
2043	441650.1	3769631	0.000182	0.000222	0.00E+00	2.05E-04	3.22E-04	0.00E+00	3.43E-05	5.49E-05	0.00E+00	1.50E-05	2.20E-05	0.00E+00
2044	441658.8	3769628	0.000184	0.000224	0.00E+00	2.08E-04	3.26E-04	0.00E+00	3.48E-05	5.56E-05	0.00E+00	1.52E-05	2.23E-05	0.00E+00
2045	441667.4	3769624	0.000186	0.000227	0.00E+00	2.10E-04	3.30E-04	0.00E+00	3.52E-05	5.63E-05	0.00E+00	1.54E-05	2.26E-05	0.00E+00
2046	441676.1	3769620	0.000189	0.00023	0.00E+00	2.13E-04	3.34E-04	0.00E+00	3.56E-05	5.70E-05	0.00E+00	1.56E-05	2.28E-05	0.00E+00
2047	441584.3	3769312	0.000384	0.000469	0.00E+00	4.33E-04	6.81E-04	0.00E+00	7.27E-05	1.16E-04	0.00E+00	3.18E-05	4.65E-05	0.00E+00
2048	441593.2	3769308	0.000393	0.000479	0.00E+00	4.43E-04	6.96E-04	0.00E+00	7.43E-05	1.19E-04	0.00E+00	3.25E-05	4.76E-05	0.00E+00
2049	441602.2	3769305	0.000401	0.000489	0.00E+00	4.52E-04	7.11E-04	0.00E+00	7.58E-05	1.21E-04	0.00E+00	3.32E-05	4.85E-05	0.00E+00
2050	441581.5	3769356	0.000336	0.00041	0.00E+00	3.79E-04	5.96E-04	0.00E+00	6.35E-05	1.02E-04	0.00E+00	2.78E-05	4.07E-05	0.00E+00
2051	441590.5	3769353	0.000343	0.000418	0.00E+00	3.87E-04	6.08E-04	0.00E+00	6.49E-05	1.04E-04	0.00E+00	2.84E-05	4.15E-05	0.00E+00
2052	441599.5	3769349	0.000354	0.000432	0.00E+00	3.99E-04	6.27E-04	0.00E+00	6.69E-05	1.07E-04	0.00E+00	2.93E-05	4.28E-05	0.00E+00
2053	441608.4	3769345	0.000361	0.00044	0.00E+00	4.06E-04	6.39E-04	0.00E+00	6.82E-05	1.09E-04	0.00E+00	2.98E-05	4.36E-05	0.00E+00
2054	441642.2	3769504	0.000237	0.000289	0.00E+00	2.67E-04	4.21E-04	0.00E+00	4.49E-05	7.17E-05	0.00E+00	1.96E-05	2.87E-05	0.00E+00
2055	441651.2	3769501	0.000241	0.000293	0.00E+00	2.71E-04	4.26E-04	0.00E+00	4.55E-05	7.27E-05	0.00E+00	1.99E-05	2.91E-05	0.00E+00
2056	441660.1	3769497	0.000244	0.000297	0.00E+00	2.75E-04	4.32E-04	0.00E+00	4.61E-05	7.37E-05	0.00E+00	2.02E-05	2.95E-05	0.00E+00
2057	441669.1	3769493	0.000248	0.000302	0.00E+00	2.79E-04	4.39E-04	0.00E+00	4.68E-05	7.48E-05	0.00E+00	2.05E-05	3.00E-05	0.00E+00
2058	441678.1	3769490	0.000251	0.000307	0.00E+00	2.83E-04	4.46E-04	0.00E+00	4.75E-05	7.60E-05	0.00E+00	2.08E-05	3.04E-05	0.00E+00
2059	441687	3769486	0.000255	0.000311	0.00E+00	2.88E-04	4.52E-04	0.00E+00	4.82E-05	7.71E-05	0.00E+00	2.11E-05	3.09E-05	0.00E+00
2060	441696	3769482	0.000259	0.000316	0.00E+00	2.92E-04	4.59E-04	0.00E+00	4.89E-05	7.82E-05	0.00E+00	2.14E-05	3.13E-05	0.00E+00
2061	441704.9	3769479	0.000263	0.00032	0.00E+00	2.96E-04	4.65E-04	0.00E+00	4.97E-05	7.94E-05	0.00E+00	2.17E-05	3.18E-05	0.00E+00
2062	441713.9	3769475	0.000266	0.000325	0.00E+00	3.00E-04	4.72E-04	0.00E+00	5.04E-05	8.05E-05	0.00E+00	2.20E-05	3.22E-05	0.00E+00
2063	441722.8	3769471	0.00027	0.00033	0.00E+00	3.05E-04	4.79E-04	0.00E+00	5.11E-05	8.17E-05	0.00E+00	2.24E-05	3.27E-05	0.00E+00
2064	441731.8	3769468	0.000274	0.000335	0.00E+00	3.09E-04	4.86E-04	0.00E+00	5.19E-05	8.29E-05	0.00E+00	2.27E-05	3.32E-05	0.00E+00
2065	441740.7	3769464	0.000278	0.000339	0.00E+00	3.14E-04	4.93E-04	0.00E+00	5.26E-05	8.41E-05	0.00E+00	2.30E-05	3.37E-05	0.00E+00
2066	441749.7	3769460	0.000283	0.000344	0.00E+00	3.18E-04	5.01E-04	0.00E+00	5.34E-05	8.54E-05	0.00E+00	2.34E-05	3.42E-05	0.00E+00
2067	441758.6	3769457	0.000286	0.000349	0.00E+00	3.22E-04	5.07E-04	0.00E+00	5.41E-05	8.64E-05	0.00E+00	2.36E-05	3.46E-05	0.00E+00
2068	441657.4	3769542	0.00022	0.000268	0.00E+00	2.48E-04	3.89E-04	0.00E+00	4.15E-05	6.64E-05	0.00E+00	1.82E-05	2.66E-05	0.00E+00
2069	441666.4	3769538	0.000223	0.000272	0.00E+00	2.51E-04	3.95E-04	0.00E+00	4.21E-05	6.73E-05	0.00E+00	1.84E-05	2.70E-05	0.00E+00
2070	441675.3	3769534	0.000226	0.000276	0.00E+00	2.55E-04	4.01E-04	0.00E+00	4.27E-05	6.83E-05	0.00E+00	1.87E-05	2.74E-05	0.00E+00
2071	441684.3	3769530	0.000229	0.000279	0.00E+00	2.58E-04	4.06E-04	0.00E+00	4.33E-05	6.93E-05	0.00E+00	1.90E-05	2.77E-05	0.00E+00
2072	441693.2	3769527	0.000232	0.000283	0.00E+00	2.62E-04	4.12E-04	0.00E+00	4.39E-05	7.02E-05	0.00E+00	1.92E-05	2.81E-05	0.00E+00
2073	441702.2	3769523	0.000235	0.000287	0.00E+00	2.65E-04	4.17E-04	0.00E+00	4.44E-05	7.10E-05	0.00E+00	1.94E-05	2.84E-05	0.00E+00
2074	441711.1	3769519	0.000238	0.00029	0.00E+00	2.68E-04	4.22E-04	0.00E+00	4.50E-05	7.19E-05	0.00E+00	1.97E-05	2.88E-05	0.00E+00
2075	441720.1	3769516	0.000241	0.000294	0.00E+00	2.72E-04	4.27E-04	0.00E+00	4.55E-05	7.28E-05	0.00E+00	1.99E-05	2.92E-05	0.00E+00
2076	441729	3769512	0.000244	0.000298	0.00E+00	2.75E-04	4.33E-04	0.00E+00	4.62E-05	7.38E-05	0.00E+00	2.02E-05	2.96E-05	0.00E+00
2077	441738	3769508	0.000248	0.000302	0.00E+00	2.79E-04	4.39E-04	0.00E+00	4.68E-05	7.48E-05	0.00E+00	2.05E-05	3.00E-05	0.00E+00
2078	441746.9	3769505	0.000251	0.000306	0.00E+00	2.83E-04	4.45E-04	0.00E+00	4.75E-05	7.59E-05	0.00E+00	2.08E-05	3.04E-05	0.00E+00
2079	441755.9	3769501	0.000254	0.00031	0.00E+00	2.87E-04	4.51E-04	0.00E+00	4.81E-05	7.69E-05	0.00E+00	2.10E-05	3.08E-05	0.00E+00
2080	441764.8	3769497	0.000257	0.000314	0.00E+00	2.90E-04	4.56E-04	0.00E+00	4.87E-05	7.78E-05	0.00E+00	2.13E-05	3.12E-05	0.00E+00
2081	441773.8	3769494	0.00026	0.000317	0.00E+00	2.94E-04	4.62E-04	0.00E+00	4.92E-05	7.87E-05	0.00E+00	2.15E-05	3.15E-05	0.00E+00
2082	441708.4	3769564	0.000215	0.000262	0.00E+00	2.43E-04	3.81E-04	0.00E+00	4.07E-05	6.50E-05	0.00E+00	1.78E-05	2.60E-05	0.00E+00
2083	441717.4	3769560	0.000218	0.000266	0.00E+00	2.46E-04	3.86E-04	0.00E+00	4.12E-05	6.58E-05	0.00E+00	1.80E-05	2.64E-05	0.00E+00
2084	441726.3	3769556	0.000221	0.000269	0.00E+00	2.49E-04	3.91E-04	0.00E+00	4.17E-05	6.66E-05	0.00E+00	1.82E-05	2.67E-05	0.00E+00
2085	441735.3	3769553	0.000223	0.000272	0.00E+00	2.52E-04	3.96E-04	0.00E+00	4.22E-05	6.74E-05	0.00E+00	1.85E-05	2.70E-05	0.00E+00
2086	441744.2	3769549	0.000226	0.000275	0.00E+00	2.55E-04	4.00E-04	0.00E+00	4.27E-05	6.83E-05	0.00E+00	1.87E-05	2.73E-05	0.00E+00
2087	441753.2	3769545	0.000229	0.000279	0.00E+00	2.58E-04	4.05E-04	0.00E+00	4.32E-05	6.90E-05	0.00E+00	1.89E-05	2.77E-05	0.00E+00
2088	441762.1	3769542	0.000231	0.000282	0.00E+00	2.60E-04	4.09E-04	0.00E+00	4.37E-05	6.98E-05	0.00E+00	1.91E-05	2.80E-05	0.00E+00
2089	441771.1	3769538	0.000234	0.000285	0.00E+00	2.63E-04	4.14E-04	0.00E+00	4.42E-05	7.06E-05	0.00E+00	1.93E-05	2.83E-05	0.00E+00
2090	441687.8	3769616	0.000191	0.000233	0.00E+00	2.16E-04	3.39E-04	0.00E+00	3.62E-05	5.78E-05	0.00E+00	1.58E-05	2.32E-05	0.00E+00

2091	441696.7	3769612	0.000194	0.000236	0.00E+00	2.18E-04	3.43E-04	0.00E+00	3.66E-05	5.86E-05	0.00E+00	1.60E-05	2.35E-05	0.00E+00
2092	441705.7	3769608	0.000196	0.000239	0.00E+00	2.21E-04	3.48E-04	0.00E+00	3.71E-05	5.93E-05	0.00E+00	1.62E-05	2.38E-05	0.00E+00
2093	441714.6	3769605	0.000199	0.000242	0.00E+00	2.24E-04	3.52E-04	0.00E+00	3.76E-05	6.01E-05	0.00E+00	1.64E-05	2.41E-05	0.00E+00
2094	441723.6	3769601	0.000201	0.000245	0.00E+00	2.27E-04	3.57E-04	0.00E+00	3.80E-05	6.08E-05	0.00E+00	1.66E-05	2.44E-05	0.00E+00
2095	441732.5	3769597	0.000204	0.000248	0.00E+00	2.29E-04	3.61E-04	0.00E+00	3.85E-05	6.15E-05	0.00E+00	1.68E-05	2.46E-05	0.00E+00
2096	441741.5	3769594	0.000206	0.000251	0.00E+00	2.32E-04	3.65E-04	0.00E+00	3.89E-05	6.22E-05	0.00E+00	1.70E-05	2.49E-05	0.00E+00
2097	441750.4	3769590	0.000208	0.000254	0.00E+00	2.35E-04	3.69E-04	0.00E+00	3.93E-05	6.29E-05	0.00E+00	1.72E-05	2.52E-05	0.00E+00
2098	441759.4	3769586	0.00021	0.000257	0.00E+00	2.37E-04	3.73E-04	0.00E+00	3.98E-05	6.36E-05	0.00E+00	1.74E-05	2.55E-05	0.00E+00
2099	441768.3	3769582	0.000213	0.000259	0.00E+00	2.40E-04	3.77E-04	0.00E+00	4.02E-05	6.43E-05	0.00E+00	1.76E-05	2.57E-05	0.00E+00
2100	441777.3	3769579	0.000215	0.000262	0.00E+00	2.42E-04	3.81E-04	0.00E+00	4.06E-05	6.49E-05	0.00E+00	1.78E-05	2.60E-05	0.00E+00
2101	441367.3	3768478	0.006316	0.0077	0.00E+00	7.12E-03	1.12E-02	0.00E+00	1.19E-03	1.91E-03	0.00E+00	5.22E-04	7.64E-04	0.00E+00
2102	441384.6	3768477	0.006332	0.007719	0.00E+00	7.14E-03	1.12E-02	0.00E+00	1.20E-03	1.91E-03	0.00E+00	5.24E-04	7.66E-04	0.00E+00
2103	441403.4	3768504	0.008712	0.010621	0.00E+00	9.82E-03	1.54E-02	0.00E+00	1.65E-03	2.63E-03	0.00E+00	7.20E-04	1.05E-03	0.00E+00
2104	441408.5	3768489	0.007078	0.008629	0.00E+00	7.98E-03	1.25E-02	0.00E+00	1.34E-03	2.14E-03	0.00E+00	5.85E-04	8.57E-04	0.00E+00

			UnMitigated		T2		T2L3		T4	
				5.01E-02		5.65E-02		9.47E-03		4.14E-03
			Yr 1	Total	Yr 1	Total	Yr 1	Total	Yr 1	Total
1	441773.6	3769395	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04
2	441766	3769401	1.94E-03	1.94E-03	2.19E-03	2.19E-03	3.67E-04	3.67E-04	1.60E-04	1.60E-04
3	441758.5	3769408	1.90E-03	1.90E-03	2.15E-03	2.15E-03	3.60E-04	3.60E-04	1.57E-04	1.57E-04
4	441751	3769414	1.87E-03	1.87E-03	2.10E-03	2.10E-03	3.53E-04	3.53E-04	1.54E-04	1.54E-04
5	441773.5	3769445	1.70E-03	1.70E-03	1.92E-03	1.92E-03	3.22E-04	3.22E-04	1.41E-04	1.41E-04
6	441766.1	3769451	1.67E-03	1.67E-03	1.89E-03	1.89E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04
7	441811.2	3769463	1.63E-03	1.63E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
8	441803.8	3769470	1.61E-03	1.61E-03	1.81E-03	1.81E-03	3.04E-04	3.04E-04	1.33E-04	1.33E-04
9	441796.3	3769476	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
10	441826.7	3769500	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.24E-04	1.24E-04
11	441819.2	3769506	1.48E-03	1.48E-03	1.66E-03	1.66E-03	2.79E-04	2.79E-04	1.22E-04	1.22E-04
12	441811.6	3769512	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
13	441804.1	3769519	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.69E-04	2.69E-04	1.18E-04	1.18E-04
14	441908.6	3769483	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
15	441826.5	3769550	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.53E-04	2.53E-04	1.11E-04	1.11E-04
16	441819.1	3769556	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.09E-04	1.09E-04
17	441580.9	3769287	2.39E-03	2.39E-03	2.70E-03	2.70E-03	4.52E-04	4.52E-04	1.98E-04	1.98E-04
18	441607.7	3769316	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.29E-04	4.29E-04	1.88E-04	1.88E-04
19	441598.6	3769319	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.21E-04	4.21E-04	1.84E-04	1.84E-04
20	441589.6	3769323	2.15E-03	2.15E-03	2.43E-03	2.43E-03	4.07E-04	4.07E-04	1.78E-04	1.78E-04
21	441580.5	3769327	2.10E-03	2.10E-03	2.37E-03	2.37E-03	3.98E-04	3.98E-04	1.74E-04	1.74E-04
22	441607.3	3769356	2.01E-03	2.01E-03	2.26E-03	2.26E-03	3.80E-04	3.80E-04	1.66E-04	1.66E-04
23	441634.3	3769385	1.86E-03	1.86E-03	2.09E-03	2.09E-03	3.51E-04	3.51E-04	1.54E-04	1.54E-04
24	441625.2	3769388	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
25	441616.1	3769392	1.80E-03	1.80E-03	2.03E-03	2.03E-03	3.40E-04	3.40E-04	1.49E-04	1.49E-04
26	441606.9	3769395	1.77E-03	1.77E-03	2.00E-03	2.00E-03	3.35E-04	3.35E-04	1.47E-04	1.47E-04
27	441597.8	3769399	1.76E-03	1.76E-03	1.99E-03	1.99E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
28	441588.7	3769403	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.24E-04	3.24E-04	1.42E-04	1.42E-04
29	441579.6	3769406	1.68E-03	1.68E-03	1.90E-03	1.90E-03	3.18E-04	3.18E-04	1.39E-04	1.39E-04
30	441570.5	3769410	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.12E-04	3.12E-04	1.37E-04	1.37E-04
31	441561.4	3769414	1.62E-03	1.62E-03	1.83E-03	1.83E-03	3.07E-04	3.07E-04	1.34E-04	1.34E-04
32	441725.3	3769388	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.63E-04	1.63E-04
33	441716.2	3769391	1.95E-03	1.95E-03	2.19E-03	2.19E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
34	441707	3769395	1.92E-03	1.92E-03	2.16E-03	2.16E-03	3.62E-04	3.62E-04	1.58E-04	1.58E-04
35	441697.9	3769399	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
36	441688.7	3769402	1.86E-03	1.86E-03	2.09E-03	2.09E-03	3.51E-04	3.51E-04	1.54E-04	1.54E-04
37	441679.6	3769406	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
38	441670.5	3769410	1.78E-03	1.78E-03	2.00E-03	2.00E-03	3.36E-04	3.36E-04	1.47E-04	1.47E-04
39	441661.3	3769413	1.75E-03	1.75E-03	1.97E-03	1.97E-03	3.31E-04	3.31E-04	1.45E-04	1.45E-04
40	441652.2	3769417	1.72E-03	1.72E-03	1.94E-03	1.94E-03	3.26E-04	3.26E-04	1.42E-04	1.42E-04
41	441643.1	3769421	1.70E-03	1.70E-03	1.91E-03	1.91E-03	3.21E-04	3.21E-04	1.40E-04	1.40E-04
42	441633.9	3769424	1.67E-03	1.67E-03	1.89E-03	1.89E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04
43	441624.8	3769428	1.66E-03	1.66E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
44	441615.6	3769432	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.10E-04	3.10E-04	1.36E-04	1.36E-04
45	441606.5	3769435	1.61E-03	1.61E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.33E-04	1.33E-04
46	441597.4	3769439	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.00E-04	3.00E-04	1.31E-04	1.31E-04
47	441588.2	3769443	1.55E-03	1.55E-03	1.74E-03	1.74E-03	2.92E-04	2.92E-04	1.28E-04	1.28E-04
48	441579.1	3769446	1.52E-03	1.52E-03	1.71E-03	1.71E-03	2.87E-04	2.87E-04	1.25E-04	1.25E-04
49	441570	3769450	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
50	441560.8	3769454	1.47E-03	1.47E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
51	441775.9	3769407	1.92E-03	1.92E-03	2.16E-03	2.16E-03	3.63E-04	3.63E-04	1.59E-04	1.59E-04
52	441739.7	3769422	1.81E-03	1.81E-03	2.04E-03	2.04E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
53	441730.7	3769425	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.38E-04	3.38E-04	1.48E-04	1.48E-04
54	441721.7	3769429	1.76E-03	1.76E-03	1.99E-03	1.99E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
55	441712.6	3769433	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.24E-04	3.24E-04	1.42E-04	1.42E-04
56	441703.6	3769436	1.69E-03	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.39E-04	1.39E-04
57	441694.6	3769440	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.14E-04	3.14E-04	1.37E-04	1.37E-04
58	441685.6	3769443	1.64E-03	1.64E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
59	441676.5	3769447	1.61E-03	1.61E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.33E-04	1.33E-04
60	441667.5	3769451	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.01E-04	3.01E-04	1.32E-04	1.32E-04
61	441658.5	3769454	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
62	441649.4	3769458	1.55E-03	1.55E-03	1.74E-03	1.74E-03	2.93E-04	2.93E-04	1.28E-04	1.28E-04
63	441640.4	3769461	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
64	441631.4	3769465	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.24E-04	1.24E-04
65	441622.3	3769469	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.23E-04	1.23E-04
66	441613.3	3769472	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.76E-04	2.76E-04	1.21E-04	1.21E-04
67	441604.3	3769476	1.43E-03	1.43E-03	1.62E-03	1.62E-03	2.71E-04	2.71E-04	1.19E-04	1.19E-04
68	441595.2	3769480	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
69	441586.2	3769483	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04

70	441577.2	3769487	1.37E-03	1.37E-03	1.54E-03	1.54E-03	2.58E-04	2.58E-04	1.13E-04	1.13E-04
71	441568.1	3769490	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
72	441559.1	3769494	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
73	441382.8	3768409	1.95E-02	1.95E-02	2.19E-02	2.19E-02	3.68E-03	3.68E-03	1.61E-03	1.61E-03
74	441391.8	3768405	1.86E-02	1.86E-02	2.10E-02	2.10E-02	3.52E-03	3.52E-03	1.54E-03	1.54E-03
75	441331.6	3768410	2.11E-02	2.11E-02	2.38E-02	2.38E-02	3.99E-03	3.99E-03	1.74E-03	1.74E-03
76	441357.7	3768399	1.90E-02	1.90E-02	2.14E-02	2.14E-02	3.59E-03	3.59E-03	1.57E-03	1.57E-03
77	441366.4	3768396	1.83E-02	1.83E-02	2.06E-02	2.06E-02	3.46E-03	3.46E-03	1.51E-03	1.51E-03
78	441375.1	3768392	1.76E-02	1.76E-02	1.99E-02	1.99E-02	3.33E-03	3.33E-03	1.46E-03	1.46E-03
79	441383.8	3768389	1.69E-02	1.69E-02	1.91E-02	1.91E-02	3.20E-03	3.20E-03	1.40E-03	1.40E-03
80	441392.5	3768385	1.62E-02	1.62E-02	1.83E-02	1.83E-02	3.07E-03	3.07E-03	1.34E-03	1.34E-03
81	441291.8	3768406	2.12E-02	2.12E-02	2.39E-02	2.39E-02	4.01E-03	4.01E-03	1.75E-03	1.75E-03
82	441300.9	3768403	2.05E-02	2.05E-02	2.31E-02	2.31E-02	3.88E-03	3.88E-03	1.70E-03	1.70E-03
83	441310	3768399	1.99E-02	1.99E-02	2.25E-02	2.25E-02	3.77E-03	3.77E-03	1.65E-03	1.65E-03
84	441319.1	3768395	1.93E-02	1.93E-02	2.18E-02	2.18E-02	3.65E-03	3.65E-03	1.60E-03	1.60E-03
85	441328.2	3768391	1.87E-02	1.87E-02	2.10E-02	2.10E-02	3.53E-03	3.53E-03	1.54E-03	1.54E-03
86	441355.4	3768380	1.68E-02	1.68E-02	1.89E-02	1.89E-02	3.18E-03	3.18E-03	1.39E-03	1.39E-03
87	441364.5	3768376	1.62E-02	1.62E-02	1.82E-02	1.82E-02	3.06E-03	3.06E-03	1.34E-03	1.34E-03
88	441373.6	3768373	1.56E-02	1.56E-02	1.76E-02	1.76E-02	2.95E-03	2.95E-03	1.29E-03	1.29E-03
89	441382.7	3768369	1.50E-02	1.50E-02	1.69E-02	1.69E-02	2.83E-03	2.83E-03	1.24E-03	1.24E-03
90	441391.8	3768365	1.43E-02	1.43E-02	1.61E-02	1.61E-02	2.71E-03	2.71E-03	1.18E-03	1.18E-03
91	441235.3	3768475	2.96E-02	2.96E-02	3.33E-02	3.33E-02	5.59E-03	5.59E-03	2.45E-03	2.45E-03
92	441261.2	3768413	2.22E-02	2.22E-02	2.51E-02	2.51E-02	4.20E-03	4.20E-03	1.84E-03	1.84E-03
93	441264.9	3768405	2.12E-02	2.12E-02	2.39E-02	2.39E-02	4.01E-03	4.01E-03	1.75E-03	1.75E-03
94	441277.5	3768392	1.97E-02	1.97E-02	2.22E-02	2.22E-02	3.72E-03	3.72E-03	1.63E-03	1.63E-03
95	441286.3	3768389	1.91E-02	1.91E-02	2.16E-02	2.16E-02	3.62E-03	3.62E-03	1.58E-03	1.58E-03
96	441295.1	3768385	1.85E-02	1.85E-02	2.09E-02	2.09E-02	3.50E-03	3.50E-03	1.53E-03	1.53E-03
97	441304	3768381	1.80E-02	1.80E-02	2.03E-02	2.03E-02	3.40E-03	3.40E-03	1.49E-03	1.49E-03
98	441312.8	3768378	1.75E-02	1.75E-02	1.97E-02	1.97E-02	3.30E-03	3.30E-03	1.44E-03	1.44E-03
99	441321.7	3768374	1.69E-02	1.69E-02	1.91E-02	1.91E-02	3.20E-03	3.20E-03	1.40E-03	1.40E-03
100	441330.5	3768370	1.64E-02	1.64E-02	1.85E-02	1.85E-02	3.10E-03	3.10E-03	1.36E-03	1.36E-03
101	441357	3768360	1.48E-02	1.48E-02	1.67E-02	1.67E-02	2.79E-03	2.79E-03	1.22E-03	1.22E-03
102	441365.8	3768356	1.43E-02	1.43E-02	1.61E-02	1.61E-02	2.69E-03	2.69E-03	1.18E-03	1.18E-03
103	441374.7	3768352	1.37E-02	1.37E-02	1.55E-02	1.55E-02	2.60E-03	2.60E-03	1.14E-03	1.14E-03
104	441383.5	3768349	1.32E-02	1.32E-02	1.49E-02	1.49E-02	2.50E-03	2.50E-03	1.09E-03	1.09E-03
105	441392.4	3768345	1.27E-02	1.27E-02	1.43E-02	1.43E-02	2.40E-03	2.40E-03	1.05E-03	1.05E-03
106	441216.2	3768473	2.81E-02	2.81E-02	3.16E-02	3.16E-02	5.31E-03	5.31E-03	2.32E-03	2.32E-03
107	441220.1	3768464	2.71E-02	2.71E-02	3.06E-02	3.06E-02	5.13E-03	5.13E-03	2.24E-03	2.24E-03
108	441263.7	3768378	1.82E-02	1.82E-02	2.06E-02	2.06E-02	3.45E-03	3.45E-03	1.51E-03	1.51E-03
109	441272.9	3768374	1.78E-02	1.78E-02	2.01E-02	2.01E-02	3.37E-03	3.37E-03	1.47E-03	1.47E-03
110	441282	3768370	1.73E-02	1.73E-02	1.95E-02	1.95E-02	3.27E-03	3.27E-03	1.43E-03	1.43E-03
111	441291.2	3768367	1.67E-02	1.67E-02	1.89E-02	1.89E-02	3.16E-03	3.16E-03	1.38E-03	1.38E-03
112	441300.3	3768363	1.62E-02	1.62E-02	1.82E-02	1.82E-02	3.05E-03	3.05E-03	1.34E-03	1.34E-03
113	441309.5	3768359	1.57E-02	1.57E-02	1.77E-02	1.77E-02	2.97E-03	2.97E-03	1.30E-03	1.30E-03
114	441318.6	3768355	1.53E-02	1.53E-02	1.72E-02	1.72E-02	2.88E-03	2.88E-03	1.26E-03	1.26E-03
115	441327.8	3768352	1.48E-02	1.48E-02	1.66E-02	1.66E-02	2.79E-03	2.79E-03	1.22E-03	1.22E-03
116	441355.2	3768340	1.33E-02	1.33E-02	1.50E-02	1.50E-02	2.51E-03	2.51E-03	1.10E-03	1.10E-03
117	441364.3	3768337	1.28E-02	1.28E-02	1.44E-02	1.44E-02	2.42E-03	2.42E-03	1.06E-03	1.06E-03
118	441373.5	3768333	1.23E-02	1.23E-02	1.39E-02	1.39E-02	2.33E-03	2.33E-03	1.02E-03	1.02E-03
119	441382.6	3768329	1.18E-02	1.18E-02	1.33E-02	1.33E-02	2.24E-03	2.24E-03	9.79E-04	9.79E-04
120	441391.8	3768325	1.14E-02	1.14E-02	1.28E-02	1.28E-02	2.15E-03	2.15E-03	9.39E-04	9.39E-04
121	441195.6	3768474	2.70E-02	2.70E-02	3.04E-02	3.04E-02	5.10E-03	5.10E-03	2.23E-03	2.23E-03
122	441199.3	3768465	2.62E-02	2.62E-02	2.95E-02	2.95E-02	4.95E-03	4.95E-03	2.16E-03	2.16E-03
123	441221.8	3768412	2.12E-02	2.12E-02	2.39E-02	2.39E-02	4.00E-03	4.00E-03	1.75E-03	1.75E-03
124	441225.5	3768403	2.03E-02	2.03E-02	2.29E-02	2.29E-02	3.85E-03	3.85E-03	1.68E-03	1.68E-03
125	441229.3	3768394	1.95E-02	1.95E-02	2.20E-02	2.20E-02	3.69E-03	3.69E-03	1.61E-03	1.61E-03
126	441233	3768385	1.87E-02	1.87E-02	2.11E-02	2.11E-02	3.54E-03	3.54E-03	1.55E-03	1.55E-03
127	441236.7	3768376	1.80E-02	1.80E-02	2.02E-02	2.02E-02	3.40E-03	3.40E-03	1.49E-03	1.49E-03
128	441258.3	3768360	1.66E-02	1.66E-02	1.87E-02	1.87E-02	3.13E-03	3.13E-03	1.37E-03	1.37E-03
129	441267.3	3768356	1.62E-02	1.62E-02	1.83E-02	1.83E-02	3.06E-03	3.06E-03	1.34E-03	1.34E-03
130	441276.2	3768353	1.58E-02	1.58E-02	1.78E-02	1.78E-02	2.98E-03	2.98E-03	1.30E-03	1.30E-03
131	441285.1	3768349	1.53E-02	1.53E-02	1.72E-02	1.72E-02	2.89E-03	2.89E-03	1.27E-03	1.27E-03
132	441294.1	3768345	1.48E-02	1.48E-02	1.67E-02	1.67E-02	2.80E-03	2.80E-03	1.23E-03	1.23E-03
133	441303	3768342	1.44E-02	1.44E-02	1.62E-02	1.62E-02	2.72E-03	2.72E-03	1.19E-03	1.19E-03
134	441311.9	3768338	1.40E-02	1.40E-02	1.58E-02	1.58E-02	2.64E-03	2.64E-03	1.16E-03	1.16E-03
135	441320.9	3768334	1.36E-02	1.36E-02	1.53E-02	1.53E-02	2.57E-03	2.57E-03	1.12E-03	1.12E-03
136	441329.8	3768331	1.32E-02	1.32E-02	1.48E-02	1.48E-02	2.49E-03	2.49E-03	1.09E-03	1.09E-03
137	441356.6	3768320	1.18E-02	1.18E-02	1.33E-02	1.33E-02	2.23E-03	2.23E-03	9.76E-04	9.76E-04
138	441365.5	3768316	1.14E-02	1.14E-02	1.28E-02	1.28E-02	2.15E-03	2.15E-03	9.41E-04	9.41E-04
139	441374.4	3768312	1.10E-02	1.10E-02	1.24E-02	1.24E-02	2.07E-03	2.07E-03	9.07E-04	9.07E-04
140	441383.4	3768309	1.06E-02	1.06E-02	1.19E-02	1.19E-02	2.00E-03	2.00E-03	8.73E-04	8.73E-04
141	441392.3	3768305	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.92E-03	1.92E-03	8.40E-04	8.40E-04

142	441175.1	3768475	2.56E-02	2.56E-02	2.89E-02	2.89E-02	4.85E-03	4.85E-03	2.12E-03	2.12E-03
143	441178.7	3768467	2.50E-02	2.50E-02	2.82E-02	2.82E-02	4.72E-03	4.72E-03	2.07E-03	2.07E-03
144	441200.7	3768414	2.07E-02	2.07E-02	2.33E-02	2.33E-02	3.91E-03	3.91E-03	1.71E-03	1.71E-03
145	441204.4	3768405	2.00E-02	2.00E-02	2.25E-02	2.25E-02	3.78E-03	3.78E-03	1.65E-03	1.65E-03
146	441208.1	3768397	1.93E-02	1.93E-02	2.17E-02	2.17E-02	3.64E-03	3.64E-03	1.59E-03	1.59E-03
147	441211.7	3768388	1.85E-02	1.85E-02	2.09E-02	2.09E-02	3.50E-03	3.50E-03	1.53E-03	1.53E-03
148	441215.4	3768379	1.79E-02	1.79E-02	2.01E-02	2.01E-02	3.37E-03	3.37E-03	1.48E-03	1.48E-03
149	441219.1	3768371	1.72E-02	1.72E-02	1.94E-02	1.94E-02	3.25E-03	3.25E-03	1.42E-03	1.42E-03
150	441222.7	3768362	1.65E-02	1.65E-02	1.86E-02	1.86E-02	3.12E-03	3.12E-03	1.37E-03	1.37E-03
151	441235.2	3768350	1.57E-02	1.57E-02	1.76E-02	1.76E-02	2.96E-03	2.96E-03	1.29E-03	1.29E-03
152	441261.4	3768339	1.48E-02	1.48E-02	1.66E-02	1.66E-02	2.79E-03	2.79E-03	1.22E-03	1.22E-03
153	441270.2	3768335	1.44E-02	1.44E-02	1.62E-02	1.62E-02	2.72E-03	2.72E-03	1.19E-03	1.19E-03
154	441278.9	3768332	1.40E-02	1.40E-02	1.58E-02	1.58E-02	2.65E-03	2.65E-03	1.16E-03	1.16E-03
155	441287.7	3768328	1.36E-02	1.36E-02	1.54E-02	1.54E-02	2.57E-03	2.57E-03	1.13E-03	1.13E-03
156	441296.4	3768324	1.32E-02	1.32E-02	1.49E-02	1.49E-02	2.50E-03	2.50E-03	1.09E-03	1.09E-03
157	441305.2	3768321	1.28E-02	1.28E-02	1.45E-02	1.45E-02	2.42E-03	2.42E-03	1.06E-03	1.06E-03
158	441313.9	3768317	1.24E-02	1.24E-02	1.40E-02	1.40E-02	2.35E-03	2.35E-03	1.03E-03	1.03E-03
159	441322.7	3768314	1.20E-02	1.20E-02	1.36E-02	1.36E-02	2.27E-03	2.27E-03	9.95E-04	9.95E-04
160	441331.4	3768310	1.16E-02	1.16E-02	1.31E-02	1.31E-02	2.20E-03	2.20E-03	9.62E-04	9.62E-04
161	441357.7	3768299	1.05E-02	1.05E-02	1.19E-02	1.19E-02	1.99E-03	1.99E-03	8.72E-04	8.72E-04
162	441366.5	3768296	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.93E-03	1.93E-03	8.43E-04	8.43E-04
163	441375.2	3768292	9.84E-03	9.84E-03	1.11E-02	1.11E-02	1.86E-03	1.86E-03	8.13E-04	8.13E-04
164	441384	3768289	9.50E-03	9.50E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.85E-04	7.85E-04
165	441392.7	3768285	9.16E-03	9.16E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.57E-04	7.57E-04
166	441155.8	3768473	2.38E-02	2.38E-02	2.69E-02	2.69E-02	4.50E-03	4.50E-03	1.97E-03	1.97E-03
167	441159.6	3768464	2.33E-02	2.33E-02	2.63E-02	2.63E-02	4.41E-03	4.41E-03	1.93E-03	1.93E-03
168	441182.2	3768411	1.96E-02	1.96E-02	2.21E-02	2.21E-02	3.71E-03	3.71E-03	1.62E-03	1.62E-03
169	441185.9	3768402	1.90E-02	1.90E-02	2.14E-02	2.14E-02	3.58E-03	3.58E-03	1.57E-03	1.57E-03
170	441189.7	3768393	1.83E-02	1.83E-02	2.07E-02	2.07E-02	3.46E-03	3.46E-03	1.51E-03	1.51E-03
171	441193.5	3768384	1.77E-02	1.77E-02	1.99E-02	1.99E-02	3.34E-03	3.34E-03	1.46E-03	1.46E-03
172	441197.2	3768375	1.70E-02	1.70E-02	1.92E-02	1.92E-02	3.22E-03	3.22E-03	1.41E-03	1.41E-03
173	441201	3768366	1.64E-02	1.64E-02	1.85E-02	1.85E-02	3.11E-03	3.11E-03	1.36E-03	1.36E-03
174	441204.8	3768357	1.58E-02	1.58E-02	1.78E-02	1.78E-02	2.99E-03	2.99E-03	1.31E-03	1.31E-03
175	441208.6	3768348	1.52E-02	1.52E-02	1.72E-02	1.72E-02	2.88E-03	2.88E-03	1.26E-03	1.26E-03
176	441221.3	3768335	1.44E-02	1.44E-02	1.63E-02	1.63E-02	2.73E-03	2.73E-03	1.19E-03	1.19E-03
177	441230.3	3768332	1.43E-02	1.43E-02	1.61E-02	1.61E-02	2.69E-03	2.69E-03	1.18E-03	1.18E-03
178	441257.3	3768321	1.34E-02	1.34E-02	1.51E-02	1.51E-02	2.54E-03	2.54E-03	1.11E-03	1.11E-03
179	441266.3	3768317	1.31E-02	1.31E-02	1.47E-02	1.47E-02	2.47E-03	2.47E-03	1.08E-03	1.08E-03
180	441275.3	3768313	1.27E-02	1.27E-02	1.43E-02	1.43E-02	2.40E-03	2.40E-03	1.05E-03	1.05E-03
181	441284.3	3768309	1.23E-02	1.23E-02	1.39E-02	1.39E-02	2.33E-03	2.33E-03	1.02E-03	1.02E-03
182	441293.3	3768306	1.20E-02	1.20E-02	1.35E-02	1.35E-02	2.26E-03	2.26E-03	9.89E-04	9.89E-04
183	441302.3	3768302	1.16E-02	1.16E-02	1.31E-02	1.31E-02	2.19E-03	2.19E-03	9.57E-04	9.57E-04
184	441311.3	3768298	1.12E-02	1.12E-02	1.27E-02	1.27E-02	2.12E-03	2.12E-03	9.29E-04	9.29E-04
185	441320.3	3768295	1.09E-02	1.09E-02	1.23E-02	1.23E-02	2.06E-03	2.06E-03	9.01E-04	9.01E-04
186	441329.3	3768291	1.06E-02	1.06E-02	1.19E-02	1.19E-02	2.00E-03	2.00E-03	8.73E-04	8.73E-04
187	441356.3	3768280	9.58E-03	9.58E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.92E-04	7.92E-04
188	441365.3	3768276	9.25E-03	9.25E-03	1.04E-02	1.04E-02	1.75E-03	1.75E-03	7.65E-04	7.65E-04
189	441374.3	3768273	8.94E-03	8.94E-03	1.01E-02	1.01E-02	1.69E-03	1.69E-03	7.39E-04	7.39E-04
190	441383.3	3768269	8.63E-03	8.63E-03	9.73E-03	9.73E-03	1.63E-03	1.63E-03	7.14E-04	7.14E-04
191	441392.3	3768265	8.33E-03	8.33E-03	9.39E-03	9.39E-03	1.58E-03	1.58E-03	6.89E-04	6.89E-04
192	441135.3	3768474	2.20E-02	2.20E-02	2.48E-02	2.48E-02	4.16E-03	4.16E-03	1.82E-03	1.82E-03
193	441139	3768466	2.17E-02	2.17E-02	2.44E-02	2.44E-02	4.10E-03	4.10E-03	1.79E-03	1.79E-03
194	441161.2	3768413	1.88E-02	1.88E-02	2.11E-02	2.11E-02	3.54E-03	3.54E-03	1.55E-03	1.55E-03
195	441164.9	3768404	1.82E-02	1.82E-02	2.06E-02	2.06E-02	3.45E-03	3.45E-03	1.51E-03	1.51E-03
196	441168.6	3768395	1.77E-02	1.77E-02	2.00E-02	2.00E-02	3.35E-03	3.35E-03	1.47E-03	1.47E-03
197	441172.3	3768386	1.72E-02	1.72E-02	1.94E-02	1.94E-02	3.25E-03	3.25E-03	1.42E-03	1.42E-03
198	441176	3768378	1.67E-02	1.67E-02	1.88E-02	1.88E-02	3.15E-03	3.15E-03	1.38E-03	1.38E-03
199	441179.7	3768369	1.61E-02	1.61E-02	1.81E-02	1.81E-02	3.04E-03	3.04E-03	1.33E-03	1.33E-03
200	441183.4	3768360	1.56E-02	1.56E-02	1.75E-02	1.75E-02	2.94E-03	2.94E-03	1.29E-03	1.29E-03
201	441187.1	3768351	1.50E-02	1.50E-02	1.69E-02	1.69E-02	2.84E-03	2.84E-03	1.24E-03	1.24E-03
202	441190.8	3768342	1.45E-02	1.45E-02	1.63E-02	1.63E-02	2.74E-03	2.74E-03	1.20E-03	1.20E-03
203	441194.5	3768334	1.40E-02	1.40E-02	1.57E-02	1.57E-02	2.64E-03	2.64E-03	1.16E-03	1.16E-03
204	441207.1	3768321	1.34E-02	1.34E-02	1.51E-02	1.51E-02	2.53E-03	2.53E-03	1.11E-03	1.11E-03
205	441215.9	3768318	1.33E-02	1.33E-02	1.49E-02	1.49E-02	2.50E-03	2.50E-03	1.10E-03	1.10E-03
206	441224.8	3768314	1.31E-02	1.31E-02	1.47E-02	1.47E-02	2.47E-03	2.47E-03	1.08E-03	1.08E-03
207	441233.6	3768310	1.29E-02	1.29E-02	1.45E-02	1.45E-02	2.44E-03	2.44E-03	1.07E-03	1.07E-03
208	441260.1	3768299	1.20E-02	1.20E-02	1.36E-02	1.36E-02	2.27E-03	2.27E-03	9.95E-04	9.95E-04
209	441268.9	3768296	1.17E-02	1.17E-02	1.32E-02	1.32E-02	2.21E-03	2.21E-03	9.67E-04	9.67E-04
210	441277.8	3768292	1.14E-02	1.14E-02	1.28E-02	1.28E-02	2.15E-03	2.15E-03	9.41E-04	9.41E-04
211	441286.6	3768289	1.11E-02	1.11E-02	1.25E-02	1.25E-02	2.09E-03	2.09E-03	9.16E-04	9.16E-04
212	441295.5	3768285	1.08E-02	1.08E-02	1.21E-02	1.21E-02	2.04E-03	2.04E-03	8.91E-04	8.91E-04
213	441304.3	3768281	1.05E-02	1.05E-02	1.18E-02	1.18E-02	1.98E-03	1.98E-03	8.66E-04	8.66E-04

214	441313.1	3768278	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.92E-03	1.92E-03	8.42E-04	8.42E-04
215	441322	3768274	9.88E-03	9.88E-03	1.11E-02	1.11E-02	1.87E-03	1.87E-03	8.17E-04	8.17E-04
216	441330.8	3768270	9.58E-03	9.58E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.92E-04	7.92E-04
217	441357.3	3768260	8.66E-03	8.66E-03	9.77E-03	9.77E-03	1.64E-03	1.64E-03	7.16E-04	7.16E-04
218	441366.2	3768256	8.38E-03	8.38E-03	9.45E-03	9.45E-03	1.58E-03	1.58E-03	6.93E-04	6.93E-04
219	441375	3768252	8.12E-03	8.12E-03	9.15E-03	9.15E-03	1.53E-03	1.53E-03	6.71E-04	6.71E-04
220	441383.8	3768249	7.85E-03	7.85E-03	8.85E-03	8.85E-03	1.48E-03	1.48E-03	6.49E-04	6.49E-04
221	441392.7	3768245	7.60E-03	7.60E-03	8.57E-03	8.57E-03	1.44E-03	1.44E-03	6.29E-04	6.29E-04
222	441099.2	3768465	1.83E-02	1.83E-02	2.06E-02	2.06E-02	3.46E-03	3.46E-03	1.51E-03	1.51E-03
223	441121.6	3768412	1.65E-02	1.65E-02	1.86E-02	1.86E-02	3.12E-03	3.12E-03	1.37E-03	1.37E-03
224	441125.3	3768403	1.62E-02	1.62E-02	1.83E-02	1.83E-02	3.06E-03	3.06E-03	1.34E-03	1.34E-03
225	441129.1	3768394	1.59E-02	1.59E-02	1.79E-02	1.79E-02	3.00E-03	3.00E-03	1.31E-03	1.31E-03
226	441132.8	3768385	1.55E-02	1.55E-02	1.75E-02	1.75E-02	2.94E-03	2.94E-03	1.28E-03	1.28E-03
227	441136.5	3768376	1.52E-02	1.52E-02	1.71E-02	1.71E-02	2.87E-03	2.87E-03	1.26E-03	1.26E-03
228	441155.2	3768332	1.32E-02	1.32E-02	1.48E-02	1.48E-02	2.49E-03	2.49E-03	1.09E-03	1.09E-03
229	441158.9	3768323	1.28E-02	1.28E-02	1.44E-02	1.44E-02	2.41E-03	2.41E-03	1.06E-03	1.06E-03
230	441162.6	3768314	1.24E-02	1.24E-02	1.40E-02	1.40E-02	2.34E-03	2.34E-03	1.02E-03	1.02E-03
231	441166.4	3768305	1.20E-02	1.20E-02	1.35E-02	1.35E-02	2.27E-03	2.27E-03	9.92E-04	9.92E-04
232	441179	3768293	1.16E-02	1.16E-02	1.30E-02	1.30E-02	2.19E-03	2.19E-03	9.56E-04	9.56E-04
233	441214.6	3768278	1.11E-02	1.11E-02	1.25E-02	1.25E-02	2.10E-03	2.10E-03	9.19E-04	9.19E-04
234	441223.5	3768274	1.09E-02	1.09E-02	1.23E-02	1.23E-02	2.06E-03	2.06E-03	9.03E-04	9.03E-04
235	441259.1	3768260	1.00E-02	1.00E-02	1.13E-02	1.13E-02	1.90E-03	1.90E-03	8.30E-04	8.30E-04
236	441268	3768256	9.81E-03	9.81E-03	1.11E-02	1.11E-02	1.85E-03	1.85E-03	8.11E-04	8.11E-04
237	441276.9	3768253	9.57E-03	9.57E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.91E-04	7.91E-04
238	441285.8	3768249	9.32E-03	9.32E-03	1.05E-02	1.05E-02	1.76E-03	1.76E-03	7.71E-04	7.71E-04
239	441294.7	3768245	9.06E-03	9.06E-03	1.02E-02	1.02E-02	1.71E-03	1.71E-03	7.49E-04	7.49E-04
240	441303.6	3768242	8.80E-03	8.80E-03	9.92E-03	9.92E-03	1.66E-03	1.66E-03	7.28E-04	7.28E-04
241	441312.5	3768238	8.53E-03	8.53E-03	9.62E-03	9.62E-03	1.61E-03	1.61E-03	7.06E-04	7.06E-04
242	441321.4	3768234	8.27E-03	8.27E-03	9.32E-03	9.32E-03	1.56E-03	1.56E-03	6.84E-04	6.84E-04
243	441330.4	3768231	8.01E-03	8.01E-03	9.03E-03	9.03E-03	1.51E-03	1.51E-03	6.62E-04	6.62E-04
244	441357.1	3768220	7.26E-03	7.26E-03	8.19E-03	8.19E-03	1.37E-03	1.37E-03	6.00E-04	6.00E-04
245	441366	3768216	7.04E-03	7.04E-03	7.93E-03	7.93E-03	1.33E-03	1.33E-03	5.82E-04	5.82E-04
246	441374.9	3768212	6.83E-03	6.83E-03	7.70E-03	7.70E-03	1.29E-03	1.29E-03	5.65E-04	5.65E-04
247	441383.8	3768209	6.63E-03	6.63E-03	7.47E-03	7.47E-03	1.25E-03	1.25E-03	5.48E-04	5.48E-04
248	441392.7	3768205	6.44E-03	6.44E-03	7.25E-03	7.25E-03	1.22E-03	1.22E-03	5.32E-04	5.32E-04
249	441078.2	3768420	1.48E-02	1.48E-02	1.67E-02	1.67E-02	2.79E-03	2.79E-03	1.22E-03	1.22E-03
250	441081.9	3768411	1.46E-02	1.46E-02	1.65E-02	1.65E-02	2.76E-03	2.76E-03	1.21E-03	1.21E-03
251	441085.7	3768402	1.44E-02	1.44E-02	1.63E-02	1.63E-02	2.73E-03	2.73E-03	1.19E-03	1.19E-03
252	441089.4	3768393	1.42E-02	1.42E-02	1.60E-02	1.60E-02	2.69E-03	2.69E-03	1.18E-03	1.18E-03
253	441093.2	3768384	1.40E-02	1.40E-02	1.58E-02	1.58E-02	2.65E-03	2.65E-03	1.16E-03	1.16E-03
254	441096.9	3768375	1.38E-02	1.38E-02	1.55E-02	1.55E-02	2.60E-03	2.60E-03	1.14E-03	1.14E-03
255	441100.7	3768366	1.35E-02	1.35E-02	1.53E-02	1.53E-02	2.56E-03	2.56E-03	1.12E-03	1.12E-03
256	441104.4	3768357	1.33E-02	1.33E-02	1.50E-02	1.50E-02	2.51E-03	2.51E-03	1.10E-03	1.10E-03
257	441108.2	3768348	1.30E-02	1.30E-02	1.47E-02	1.47E-02	2.47E-03	2.47E-03	1.08E-03	1.08E-03
258	441111.9	3768339	1.28E-02	1.28E-02	1.44E-02	1.44E-02	2.41E-03	2.41E-03	1.06E-03	1.06E-03
259	441115.7	3768330	1.25E-02	1.25E-02	1.41E-02	1.41E-02	2.36E-03	2.36E-03	1.03E-03	1.03E-03
260	441119.4	3768321	1.22E-02	1.22E-02	1.37E-02	1.37E-02	2.30E-03	2.30E-03	1.01E-03	1.01E-03
261	441123.2	3768313	1.19E-02	1.19E-02	1.34E-02	1.34E-02	2.25E-03	2.25E-03	9.83E-04	9.83E-04
262	441126.9	3768304	1.16E-02	1.16E-02	1.30E-02	1.30E-02	2.19E-03	2.19E-03	9.57E-04	9.57E-04
263	441138.2	3768277	1.06E-02	1.06E-02	1.19E-02	1.19E-02	2.00E-03	2.00E-03	8.76E-04	8.76E-04
264	441150.9	3768264	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.93E-03	1.93E-03	8.45E-04	8.45E-04
265	441159.9	3768261	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.92E-03	1.92E-03	8.41E-04	8.41E-04
266	441168.8	3768257	1.01E-02	1.01E-02	1.14E-02	1.14E-02	1.91E-03	1.91E-03	8.35E-04	8.35E-04
267	441177.8	3768253	1.00E-02	1.00E-02	1.13E-02	1.13E-02	1.89E-03	1.89E-03	8.29E-04	8.29E-04
268	441186.7	3768250	9.92E-03	9.92E-03	1.12E-02	1.12E-02	1.87E-03	1.87E-03	8.20E-04	8.20E-04
269	441195.7	3768246	9.79E-03	9.79E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.09E-04	8.09E-04
270	441204.6	3768242	9.65E-03	9.65E-03	1.09E-02	1.09E-02	1.82E-03	1.82E-03	7.98E-04	7.98E-04
271	441213.6	3768239	9.49E-03	9.49E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.85E-04	7.85E-04
272	441222.5	3768235	9.33E-03	9.33E-03	1.05E-02	1.05E-02	1.76E-03	1.76E-03	7.72E-04	7.72E-04
273	441258.4	3768220	8.62E-03	8.62E-03	9.72E-03	9.72E-03	1.63E-03	1.63E-03	7.13E-04	7.13E-04
274	441267.3	3768217	8.43E-03	8.43E-03	9.50E-03	9.50E-03	1.59E-03	1.59E-03	6.97E-04	6.97E-04
275	441276.3	3768213	8.21E-03	8.21E-03	9.26E-03	9.26E-03	1.55E-03	1.55E-03	6.79E-04	6.79E-04
276	441285.2	3768209	7.98E-03	7.98E-03	8.99E-03	8.99E-03	1.51E-03	1.51E-03	6.60E-04	6.60E-04
277	441294.2	3768206	7.73E-03	7.73E-03	8.71E-03	8.71E-03	1.46E-03	1.46E-03	6.39E-04	6.39E-04
278	441303.1	3768202	7.49E-03	7.49E-03	8.44E-03	8.44E-03	1.42E-03	1.42E-03	6.19E-04	6.19E-04
279	441312.1	3768198	7.26E-03	7.26E-03	8.18E-03	8.18E-03	1.37E-03	1.37E-03	6.00E-04	6.00E-04
280	441321.1	3768195	7.02E-03	7.02E-03	7.91E-03	7.91E-03	1.33E-03	1.33E-03	5.81E-04	5.81E-04
281	441330	3768191	6.79E-03	6.79E-03	7.65E-03	7.65E-03	1.28E-03	1.28E-03	5.61E-04	5.61E-04
282	441339	3768187	6.59E-03	6.59E-03	7.43E-03	7.43E-03	1.25E-03	1.25E-03	5.45E-04	5.45E-04
283	441347.9	3768184	6.40E-03	6.40E-03	7.22E-03	7.22E-03	1.21E-03	1.21E-03	5.29E-04	5.29E-04
284	441356.9	3768180	6.23E-03	6.23E-03	7.02E-03	7.02E-03	1.18E-03	1.18E-03	5.15E-04	5.15E-04
285	441365.8	3768176	6.05E-03	6.05E-03	6.82E-03	6.82E-03	1.14E-03	1.14E-03	5.00E-04	5.00E-04

286	441374.8	3768173	5.88E-03	5.88E-03	6.63E-03	6.63E-03	1.11E-03	1.11E-03	4.86E-04	4.86E-04
287	441383.7	3768169	5.71E-03	5.71E-03	6.43E-03	6.43E-03	1.08E-03	1.08E-03	4.72E-04	4.72E-04
288	441392.7	3768165	5.54E-03	5.54E-03	6.24E-03	6.24E-03	1.05E-03	1.05E-03	4.58E-04	4.58E-04
289	440996.9	3768517	1.22E-02	1.22E-02	1.38E-02	1.38E-02	2.31E-03	2.31E-03	1.01E-03	1.01E-03
290	441000.7	3768508	1.24E-02	1.24E-02	1.40E-02	1.40E-02	2.34E-03	2.34E-03	1.02E-03	1.02E-03
291	441004.5	3768499	1.26E-02	1.26E-02	1.41E-02	1.41E-02	2.37E-03	2.37E-03	1.04E-03	1.04E-03
292	441008.2	3768491	1.27E-02	1.27E-02	1.43E-02	1.43E-02	2.40E-03	2.40E-03	1.05E-03	1.05E-03
293	441012	3768482	1.28E-02	1.28E-02	1.45E-02	1.45E-02	2.43E-03	2.43E-03	1.06E-03	1.06E-03
294	441015.8	3768473	1.29E-02	1.29E-02	1.46E-02	1.46E-02	2.44E-03	2.44E-03	1.07E-03	1.07E-03
295	441019.6	3768464	1.30E-02	1.30E-02	1.46E-02	1.46E-02	2.46E-03	2.46E-03	1.07E-03	1.07E-03
296	441042.2	3768410	1.28E-02	1.28E-02	1.44E-02	1.44E-02	2.42E-03	2.42E-03	1.06E-03	1.06E-03
297	441045.9	3768401	1.27E-02	1.27E-02	1.43E-02	1.43E-02	2.40E-03	2.40E-03	1.05E-03	1.05E-03
298	441049.7	3768392	1.26E-02	1.26E-02	1.42E-02	1.42E-02	2.39E-03	2.39E-03	1.05E-03	1.05E-03
299	441053.5	3768383	1.26E-02	1.26E-02	1.42E-02	1.42E-02	2.37E-03	2.37E-03	1.04E-03	1.04E-03
300	441057.2	3768374	1.25E-02	1.25E-02	1.40E-02	1.40E-02	2.36E-03	2.36E-03	1.03E-03	1.03E-03
301	441061	3768365	1.23E-02	1.23E-02	1.39E-02	1.39E-02	2.33E-03	2.33E-03	1.02E-03	1.02E-03
302	441064.8	3768356	1.22E-02	1.22E-02	1.38E-02	1.38E-02	2.31E-03	2.31E-03	1.01E-03	1.01E-03
303	441068.6	3768347	1.20E-02	1.20E-02	1.36E-02	1.36E-02	2.28E-03	2.28E-03	9.96E-04	9.96E-04
304	441072.3	3768338	1.19E-02	1.19E-02	1.34E-02	1.34E-02	2.24E-03	2.24E-03	9.81E-04	9.81E-04
305	441076.1	3768329	1.17E-02	1.17E-02	1.32E-02	1.32E-02	2.21E-03	2.21E-03	9.67E-04	9.67E-04
306	441079.9	3768320	1.15E-02	1.15E-02	1.29E-02	1.29E-02	2.17E-03	2.17E-03	9.49E-04	9.49E-04
307	441083.6	3768311	1.13E-02	1.13E-02	1.27E-02	1.27E-02	2.13E-03	2.13E-03	9.31E-04	9.31E-04
308	441087.4	3768302	1.10E-02	1.10E-02	1.24E-02	1.24E-02	2.09E-03	2.09E-03	9.12E-04	9.12E-04
309	441091.2	3768293	1.08E-02	1.08E-02	1.22E-02	1.22E-02	2.04E-03	2.04E-03	8.92E-04	8.92E-04
310	441098.7	3768275	1.03E-02	1.03E-02	1.16E-02	1.16E-02	1.95E-03	1.95E-03	8.51E-04	8.51E-04
311	441102.5	3768266	1.01E-02	1.01E-02	1.13E-02	1.13E-02	1.90E-03	1.90E-03	8.31E-04	8.31E-04
312	441106.2	3768257	9.81E-03	9.81E-03	1.11E-02	1.11E-02	1.85E-03	1.85E-03	8.11E-04	8.11E-04
313	441110	3768248	9.57E-03	9.57E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.91E-04	7.91E-04
314	441122.8	3768236	9.22E-03	9.22E-03	1.04E-02	1.04E-02	1.74E-03	1.74E-03	7.63E-04	7.63E-04
315	441131.8	3768232	9.17E-03	9.17E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.58E-04	7.58E-04
316	441140.8	3768228	9.10E-03	9.10E-03	1.03E-02	1.03E-02	1.72E-03	1.72E-03	7.53E-04	7.53E-04
317	441149.8	3768225	9.02E-03	9.02E-03	1.02E-02	1.02E-02	1.70E-03	1.70E-03	7.46E-04	7.46E-04
318	441158.8	3768221	8.95E-03	8.95E-03	1.01E-02	1.01E-02	1.69E-03	1.69E-03	7.40E-04	7.40E-04
319	441167.8	3768217	8.87E-03	8.87E-03	9.99E-03	9.99E-03	1.68E-03	1.68E-03	7.33E-04	7.33E-04
320	441176.8	3768214	8.77E-03	8.77E-03	9.89E-03	9.89E-03	1.66E-03	1.66E-03	7.25E-04	7.25E-04
321	441185.8	3768210	8.66E-03	8.66E-03	9.76E-03	9.76E-03	1.64E-03	1.64E-03	7.16E-04	7.16E-04
322	441194.8	3768206	8.54E-03	8.54E-03	9.63E-03	9.63E-03	1.61E-03	1.61E-03	7.06E-04	7.06E-04
323	441203.8	3768203	8.41E-03	8.41E-03	9.48E-03	9.48E-03	1.59E-03	1.59E-03	6.96E-04	6.96E-04
324	441212.8	3768199	8.28E-03	8.28E-03	9.33E-03	9.33E-03	1.56E-03	1.56E-03	6.84E-04	6.84E-04
325	441221.8	3768195	8.13E-03	8.13E-03	9.16E-03	9.16E-03	1.54E-03	1.54E-03	6.72E-04	6.72E-04
326	441257.8	3768181	7.43E-03	7.43E-03	8.37E-03	8.37E-03	1.40E-03	1.40E-03	6.14E-04	6.14E-04
327	441266.8	3768177	0.007223	7.22E-03	8.14E-03	8.14E-03	1.37E-03	1.37E-03	5.97E-04	5.97E-04
328	441275.8	3768173	0.007015	7.02E-03	7.91E-03	7.91E-03	1.33E-03	1.33E-03	5.80E-04	5.80E-04
329	441284.8	3768169	0.006803	6.80E-03	7.67E-03	7.67E-03	1.29E-03	1.29E-03	5.63E-04	5.63E-04
330	441293.8	3768166	0.006588	6.59E-03	7.43E-03	7.43E-03	1.25E-03	1.25E-03	5.45E-04	5.45E-04
331	441302.8	3768162	0.006376	6.38E-03	7.19E-03	7.19E-03	1.21E-03	1.21E-03	5.27E-04	5.27E-04
332	441311.8	3768158	0.00618	6.18E-03	6.97E-03	6.97E-03	1.17E-03	1.17E-03	5.11E-04	5.11E-04
333	441320.8	3768155	0.005991	5.99E-03	6.75E-03	6.75E-03	1.13E-03	1.13E-03	4.95E-04	4.95E-04
334	441329.8	3768151	0.00581	5.81E-03	6.55E-03	6.55E-03	1.10E-03	1.10E-03	4.80E-04	4.80E-04
335	441338.7	3768147	0.005664	5.66E-03	6.38E-03	6.38E-03	1.07E-03	1.07E-03	4.68E-04	4.68E-04
336	441347.7	3768144	0.00552	5.52E-03	6.22E-03	6.22E-03	1.04E-03	1.04E-03	4.56E-04	4.56E-04
337	441356.7	3768140	0.005375	5.38E-03	6.06E-03	6.06E-03	1.02E-03	1.02E-03	4.44E-04	4.44E-04
338	441365.7	3768136	0.005223	5.22E-03	5.89E-03	5.89E-03	9.87E-04	9.87E-04	4.32E-04	4.32E-04
339	441374.7	3768133	0.005067	5.07E-03	5.71E-03	5.71E-03	9.58E-04	9.58E-04	4.19E-04	4.19E-04
340	441383.7	3768129	0.004913	4.91E-03	5.54E-03	5.54E-03	9.29E-04	9.29E-04	4.06E-04	4.06E-04
341	441392.7	3768125	0.004764	4.76E-03	5.37E-03	5.37E-03	9.01E-04	9.01E-04	3.94E-04	3.94E-04
342	440998.6	3768418	0.01131	1.13E-02	1.27E-02	1.27E-02	2.14E-03	2.14E-03	9.35E-04	9.35E-04
343	441002.4	3768409	0.01129	1.13E-02	1.27E-02	1.27E-02	2.13E-03	2.13E-03	9.34E-04	9.34E-04
344	441006.2	3768400	0.01125	1.13E-02	1.27E-02	1.27E-02	2.13E-03	2.13E-03	9.30E-04	9.30E-04
345	441010	3768391	0.0112	1.12E-02	1.26E-02	1.26E-02	2.12E-03	2.12E-03	9.26E-04	9.26E-04
346	441013.7	3768382	0.01117	1.12E-02	1.26E-02	1.26E-02	2.11E-03	2.11E-03	9.24E-04	9.24E-04
347	441017.5	3768373	0.01114	1.11E-02	1.26E-02	1.26E-02	2.11E-03	2.11E-03	9.21E-04	9.21E-04
348	441036.4	3768328	0.01078	1.08E-02	1.22E-02	1.22E-02	2.04E-03	2.04E-03	8.91E-04	8.91E-04
349	441040.2	3768319	0.01065	1.07E-02	1.20E-02	1.20E-02	2.01E-03	2.01E-03	8.81E-04	8.81E-04
350	441044	3768310	0.01052	1.05E-02	1.19E-02	1.19E-02	1.99E-03	1.99E-03	8.70E-04	8.70E-04
351	441047.8	3768301	0.01037	1.04E-02	1.17E-02	1.17E-02	1.96E-03	1.96E-03	8.57E-04	8.57E-04
352	441051.6	3768292	0.01022	1.02E-02	1.15E-02	1.15E-02	1.93E-03	1.93E-03	8.45E-04	8.45E-04
353	441059.1	3768274	0.009884	9.88E-03	1.11E-02	1.11E-02	1.87E-03	1.87E-03	8.17E-04	8.17E-04
354	441062.9	3768265	0.009701	9.70E-03	1.09E-02	1.09E-02	1.83E-03	1.83E-03	8.02E-04	8.02E-04
355	441066.7	3768256	0.009515	9.52E-03	1.07E-02	1.07E-02	1.80E-03	1.80E-03	7.87E-04	7.87E-04
356	441070.5	3768247	0.009327	9.33E-03	1.05E-02	1.05E-02	1.76E-03	1.76E-03	7.71E-04	7.71E-04
357	441074.3	3768238	0.009136	9.14E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.55E-04	7.55E-04

358	441078.1	3768229	0.008931	8.93E-03	1.01E-02	1.01E-02	1.69E-03	1.69E-03	7.38E-04	7.38E-04
359	441081.8	3768220	0.008724	8.72E-03	9.83E-03	9.83E-03	1.65E-03	1.65E-03	7.21E-04	7.21E-04
360	441094.7	3768207	0.008447	8.45E-03	9.52E-03	9.52E-03	1.60E-03	1.60E-03	6.98E-04	6.98E-04
361	441103.7	3768204	0.008359	8.36E-03	9.42E-03	9.42E-03	1.58E-03	1.58E-03	6.91E-04	6.91E-04
362	441112.7	3768200	0.008261	8.26E-03	9.31E-03	9.31E-03	1.56E-03	1.56E-03	6.83E-04	6.83E-04
363	441121.8	3768196	0.008162	8.16E-03	9.20E-03	9.20E-03	1.54E-03	1.54E-03	6.75E-04	6.75E-04
364	441130.8	3768193	0.008092	8.09E-03	9.12E-03	9.12E-03	1.53E-03	1.53E-03	6.69E-04	6.69E-04
365	441139.8	3768189	0.008028	8.03E-03	9.05E-03	9.05E-03	1.52E-03	1.52E-03	6.64E-04	6.64E-04
366	441148.9	3768185	0.007969	7.97E-03	8.98E-03	8.98E-03	1.51E-03	1.51E-03	6.59E-04	6.59E-04
367	441157.9	3768181	0.007903	7.90E-03	8.91E-03	8.91E-03	1.49E-03	1.49E-03	6.53E-04	6.53E-04
368	441166.9	3768178	0.007826	7.83E-03	8.82E-03	8.82E-03	1.48E-03	1.48E-03	6.47E-04	6.47E-04
369	441176	3768174	0.007742	7.74E-03	8.73E-03	8.73E-03	1.46E-03	1.46E-03	6.40E-04	6.40E-04
370	441185	3768170	0.00764	7.64E-03	8.61E-03	8.61E-03	1.44E-03	1.44E-03	6.32E-04	6.32E-04
371	441194	3768167	0.007524	7.52E-03	8.48E-03	8.48E-03	1.42E-03	1.42E-03	6.22E-04	6.22E-04
372	441203.1	3768163	0.007405	7.41E-03	8.35E-03	8.35E-03	1.40E-03	1.40E-03	6.12E-04	6.12E-04
373	441212.1	3768159	0.007277	7.28E-03	8.20E-03	8.20E-03	1.38E-03	1.38E-03	6.02E-04	6.02E-04
374	441221.1	3768156	0.007122	7.12E-03	8.03E-03	8.03E-03	1.35E-03	1.35E-03	5.89E-04	5.89E-04
375	441257.3	3768141	0.006415	6.42E-03	7.23E-03	7.23E-03	1.21E-03	1.21E-03	5.30E-04	5.30E-04
376	441266.3	3768137	0.006232	6.23E-03	7.02E-03	7.02E-03	1.18E-03	1.18E-03	5.15E-04	5.15E-04
377	441275.4	3768133	0.006052	6.05E-03	6.82E-03	6.82E-03	1.14E-03	1.14E-03	5.00E-04	5.00E-04
378	441284.4	3768130	0.005876	5.88E-03	6.62E-03	6.62E-03	1.11E-03	1.11E-03	4.86E-04	4.86E-04
379	441293.4	3768126	0.005704	5.70E-03	6.43E-03	6.43E-03	1.08E-03	1.08E-03	4.72E-04	4.72E-04
380	441302.5	3768122	0.005541	5.54E-03	6.25E-03	6.25E-03	1.05E-03	1.05E-03	4.58E-04	4.58E-04
381	441311.5	3768119	0.005393	5.39E-03	6.08E-03	6.08E-03	1.02E-03	1.02E-03	4.46E-04	4.46E-04
382	441320.5	3768115	0.005249	5.25E-03	5.92E-03	5.92E-03	9.92E-04	9.92E-04	4.34E-04	4.34E-04
383	441329.6	3768111	0.005112	5.11E-03	5.76E-03	5.76E-03	9.66E-04	9.66E-04	4.23E-04	4.23E-04
384	441338.6	3768107	0.004981	4.98E-03	5.61E-03	5.61E-03	9.42E-04	9.42E-04	4.12E-04	4.12E-04
385	441347.6	3768104	0.004851	4.85E-03	5.47E-03	5.47E-03	9.17E-04	9.17E-04	4.01E-04	4.01E-04
386	441356.7	3768100	0.004721	4.72E-03	5.32E-03	5.32E-03	8.92E-04	8.92E-04	3.90E-04	3.90E-04
387	441365.7	3768096	0.004596	4.60E-03	5.18E-03	5.18E-03	8.69E-04	8.69E-04	3.80E-04	3.80E-04
388	441374.7	3768093	0.004478	4.48E-03	5.05E-03	5.05E-03	8.47E-04	8.47E-04	3.70E-04	3.70E-04
389	441383.8	3768089	0.004366	4.37E-03	4.92E-03	4.92E-03	8.25E-04	8.25E-04	3.61E-04	3.61E-04
390	441392.8	3768085	0.004262	4.26E-03	4.80E-03	4.80E-03	8.06E-04	8.06E-04	3.52E-04	3.52E-04
391	440958.8	3768417	0.009906	9.91E-03	1.12E-02	1.12E-02	1.87E-03	1.87E-03	8.19E-04	8.19E-04
392	440962.6	3768408	0.009929	9.93E-03	1.12E-02	1.12E-02	1.88E-03	1.88E-03	8.21E-04	8.21E-04
393	440966.4	3768399	0.009934	9.93E-03	1.12E-02	1.12E-02	1.88E-03	1.88E-03	8.21E-04	8.21E-04
394	440970.2	3768390	0.009921	9.92E-03	1.12E-02	1.12E-02	1.88E-03	1.88E-03	8.20E-04	8.20E-04
395	440974	3768381	0.009908	9.91E-03	1.12E-02	1.12E-02	1.87E-03	1.87E-03	8.19E-04	8.19E-04
396	440977.7	3768372	0.009886	9.89E-03	1.11E-02	1.11E-02	1.87E-03	1.87E-03	8.17E-04	8.17E-04
397	440981.5	3768363	0.009856	9.86E-03	1.11E-02	1.11E-02	1.86E-03	1.86E-03	8.15E-04	8.15E-04
398	440985.3	3768354	0.009829	9.83E-03	1.11E-02	1.11E-02	1.86E-03	1.86E-03	8.13E-04	8.13E-04
399	440989.1	3768345	0.0098	9.80E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.10E-04	8.10E-04
400	440992.9	3768336	0.009763	9.76E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.07E-04	8.07E-04
401	440996.7	3768327	0.009718	9.72E-03	1.10E-02	1.10E-02	1.84E-03	1.84E-03	8.04E-04	8.04E-04
402	441000.5	3768318	0.009664	9.66E-03	1.09E-02	1.09E-02	1.83E-03	1.83E-03	7.99E-04	7.99E-04
403	441004.3	3768309	0.009597	9.60E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.94E-04	7.94E-04
404	441008.1	3768300	0.009519	9.52E-03	1.07E-02	1.07E-02	1.80E-03	1.80E-03	7.87E-04	7.87E-04
405	441015.7	3768282	0.009321	9.32E-03	1.05E-02	1.05E-02	1.76E-03	1.76E-03	7.71E-04	7.71E-04
406	441019.5	3768273	0.009213	9.21E-03	1.04E-02	1.04E-02	1.74E-03	1.74E-03	7.62E-04	7.62E-04
407	441023.3	3768264	0.009092	9.09E-03	1.02E-02	1.02E-02	1.72E-03	1.72E-03	7.52E-04	7.52E-04
408	441027.1	3768255	0.008963	8.96E-03	1.01E-02	1.01E-02	1.69E-03	1.69E-03	7.41E-04	7.41E-04
409	441030.9	3768246	0.008828	8.83E-03	9.95E-03	9.95E-03	1.67E-03	1.67E-03	7.30E-04	7.30E-04
410	441034.7	3768237	0.008678	8.68E-03	9.78E-03	9.78E-03	1.64E-03	1.64E-03	7.18E-04	7.18E-04
411	441038.5	3768228	0.008521	8.52E-03	9.60E-03	9.60E-03	1.61E-03	1.61E-03	7.05E-04	7.05E-04
412	441042.3	3768219	0.008363	8.36E-03	9.43E-03	9.43E-03	1.58E-03	1.58E-03	6.91E-04	6.91E-04
413	441046.1	3768210	0.008204	8.20E-03	9.25E-03	9.25E-03	1.55E-03	1.55E-03	6.78E-04	6.78E-04
414	441049.9	3768201	0.008024	8.02E-03	9.04E-03	9.04E-03	1.52E-03	1.52E-03	6.63E-04	6.63E-04
415	441053.7	3768192	0.007841	7.84E-03	8.84E-03	8.84E-03	1.48E-03	1.48E-03	6.48E-04	6.48E-04
416	441066.5	3768179	0.007592	7.59E-03	8.56E-03	8.56E-03	1.44E-03	1.44E-03	6.28E-04	6.28E-04
417	441075.6	3768175	0.007505	7.51E-03	8.46E-03	8.46E-03	1.42E-03	1.42E-03	6.21E-04	6.21E-04
418	441084.7	3768172	0.007405	7.41E-03	8.35E-03	8.35E-03	1.40E-03	1.40E-03	6.12E-04	6.12E-04
419	441093.7	3768168	0.007305	7.31E-03	8.23E-03	8.23E-03	1.38E-03	1.38E-03	6.04E-04	6.04E-04
420	441102.8	3768164	0.007221	7.22E-03	8.14E-03	8.14E-03	1.37E-03	1.37E-03	5.97E-04	5.97E-04
421	441111.9	3768160	0.007132	7.13E-03	8.04E-03	8.04E-03	1.35E-03	1.35E-03	5.90E-04	5.90E-04
422	441120.9	3768157	0.007048	7.05E-03	7.94E-03	7.94E-03	1.33E-03	1.33E-03	5.83E-04	5.83E-04
423	441130	3768153	0.007027	7.03E-03	7.92E-03	7.92E-03	1.33E-03	1.33E-03	5.81E-04	5.81E-04
424	441139.1	3768149	0.007005	7.01E-03	7.90E-03	7.90E-03	1.32E-03	1.32E-03	5.79E-04	5.79E-04
425	441148.1	3768146	0.006982	6.98E-03	7.87E-03	7.87E-03	1.32E-03	1.32E-03	5.77E-04	5.77E-04
426	441157.2	3768142	0.006933	6.93E-03	7.81E-03	7.81E-03	1.31E-03	1.31E-03	5.73E-04	5.73E-04
427	441166.3	3768138	0.006869	6.87E-03	7.74E-03	7.74E-03	1.30E-03	1.30E-03	5.68E-04	5.68E-04
428	441175.3	3768134	0.006795	6.80E-03	7.66E-03	7.66E-03	1.28E-03	1.28E-03	5.62E-04	5.62E-04
429	441184.4	3768131	0.0067	6.70E-03	7.55E-03	7.55E-03	1.27E-03	1.27E-03	5.54E-04	5.54E-04

430	441193.4	3768127	0.006592	6.59E-03	7.43E-03	7.43E-03	1.25E-03	1.25E-03	5.45E-04	5.45E-04
431	441202.5	3768123	0.006479	6.48E-03	7.30E-03	7.30E-03	1.22E-03	1.22E-03	5.36E-04	5.36E-04
432	441211.6	3768120	0.006357	6.36E-03	7.17E-03	7.17E-03	1.20E-03	1.20E-03	5.26E-04	5.26E-04
433	441220.6	3768116	0.006204	6.20E-03	6.99E-03	6.99E-03	1.17E-03	1.17E-03	5.13E-04	5.13E-04
434	441247.8	3768105	0.005756	5.76E-03	6.49E-03	6.49E-03	1.09E-03	1.09E-03	4.76E-04	4.76E-04
435	441256.9	3768101	0.005617	5.62E-03	6.33E-03	6.33E-03	1.06E-03	1.06E-03	4.64E-04	4.64E-04
436	441266	3768097	0.005477	5.48E-03	6.17E-03	6.17E-03	1.04E-03	1.04E-03	4.53E-04	4.53E-04
437	441275	3768094	0.005333	5.33E-03	6.01E-03	6.01E-03	1.01E-03	1.01E-03	4.41E-04	4.41E-04
438	441284.1	3768090	0.005185	5.19E-03	5.84E-03	5.84E-03	9.80E-04	9.80E-04	4.29E-04	4.29E-04
439	441293.2	3768086	0.005035	5.04E-03	5.68E-03	5.68E-03	9.52E-04	9.52E-04	4.16E-04	4.16E-04
440	441302.2	3768082	0.004893	4.89E-03	5.52E-03	5.52E-03	9.25E-04	9.25E-04	4.05E-04	4.05E-04
441	441311.3	3768079	0.004777	4.78E-03	5.38E-03	5.38E-03	9.03E-04	9.03E-04	3.95E-04	3.95E-04
442	441320.3	3768075	0.004663	4.66E-03	5.26E-03	5.26E-03	8.82E-04	8.82E-04	3.86E-04	3.86E-04
443	441329.4	3768071	0.004551	4.55E-03	5.13E-03	5.13E-03	8.60E-04	8.60E-04	3.76E-04	3.76E-04
444	441338.5	3768068	0.004445	4.45E-03	5.01E-03	5.01E-03	8.40E-04	8.40E-04	3.68E-04	3.68E-04
445	441347.5	3768064	0.004346	4.35E-03	4.90E-03	4.90E-03	8.22E-04	8.22E-04	3.59E-04	3.59E-04
446	441356.6	3768060	0.004252	4.25E-03	4.79E-03	4.79E-03	8.04E-04	8.04E-04	3.52E-04	3.52E-04
447	440922.7	3768408	0.008667	8.67E-03	9.77E-03	9.77E-03	1.64E-03	1.64E-03	7.17E-04	7.17E-04
448	440926.5	3768399	0.008712	8.71E-03	9.82E-03	9.82E-03	1.65E-03	1.65E-03	7.20E-04	7.20E-04
449	440930.3	3768390	0.008747	8.75E-03	9.86E-03	9.86E-03	1.65E-03	1.65E-03	7.23E-04	7.23E-04
450	440934.1	3768381	0.008771	8.77E-03	9.89E-03	9.89E-03	1.66E-03	1.66E-03	7.25E-04	7.25E-04
451	440937.9	3768372	0.008785	8.79E-03	9.90E-03	9.90E-03	1.66E-03	1.66E-03	7.26E-04	7.26E-04
452	440941.8	3768363	0.008787	8.79E-03	9.90E-03	9.90E-03	1.66E-03	1.66E-03	7.27E-04	7.27E-04
453	440945.6	3768353	0.008784	8.78E-03	9.90E-03	9.90E-03	1.66E-03	1.66E-03	7.26E-04	7.26E-04
454	440949.4	3768344	0.008774	8.77E-03	9.89E-03	9.89E-03	1.66E-03	1.66E-03	7.25E-04	7.25E-04
455	440953.2	3768335	0.008755	8.76E-03	9.87E-03	9.87E-03	1.66E-03	1.66E-03	7.24E-04	7.24E-04
456	440957	3768326	0.008726	8.73E-03	9.84E-03	9.84E-03	1.65E-03	1.65E-03	7.22E-04	7.22E-04
457	440960.8	3768317	0.008688	8.69E-03	9.79E-03	9.79E-03	1.64E-03	1.64E-03	7.18E-04	7.18E-04
458	440964.6	3768308	0.008639	8.64E-03	9.74E-03	9.74E-03	1.63E-03	1.63E-03	7.14E-04	7.14E-04
459	440968.4	3768299	0.008583	8.58E-03	9.67E-03	9.67E-03	1.62E-03	1.62E-03	7.10E-04	7.10E-04
460	440976	3768281	0.00847	8.47E-03	9.55E-03	9.55E-03	1.60E-03	1.60E-03	7.00E-04	7.00E-04
461	440979.8	3768272	0.008404	8.40E-03	9.47E-03	9.47E-03	1.59E-03	1.59E-03	6.95E-04	6.95E-04
462	440983.6	3768263	0.008321	8.32E-03	9.38E-03	9.38E-03	1.57E-03	1.57E-03	6.88E-04	6.88E-04
463	440987.4	3768254	0.008229	8.23E-03	9.28E-03	9.28E-03	1.56E-03	1.56E-03	6.80E-04	6.80E-04
464	440991.3	3768245	0.00813	8.13E-03	9.16E-03	9.16E-03	1.54E-03	1.54E-03	6.72E-04	6.72E-04
465	440995.1	3768236	0.008025	8.03E-03	9.05E-03	9.05E-03	1.52E-03	1.52E-03	6.64E-04	6.64E-04
466	440998.9	3768227	0.007915	7.92E-03	8.92E-03	8.92E-03	1.50E-03	1.50E-03	6.54E-04	6.54E-04
467	441002.7	3768218	0.007805	7.81E-03	8.80E-03	8.80E-03	1.48E-03	1.48E-03	6.45E-04	6.45E-04
468	441006.5	3768209	0.007688	7.69E-03	8.67E-03	8.67E-03	1.45E-03	1.45E-03	6.36E-04	6.36E-04
469	441010.3	3768200	0.00756	7.56E-03	8.52E-03	8.52E-03	1.43E-03	1.43E-03	6.25E-04	6.25E-04
470	441014.1	3768190	0.007428	7.43E-03	8.37E-03	8.37E-03	1.40E-03	1.40E-03	6.14E-04	6.14E-04
471	441017.9	3768181	0.007294	7.29E-03	8.22E-03	8.22E-03	1.38E-03	1.38E-03	6.03E-04	6.03E-04
472	441021.7	3768172	0.007153	7.15E-03	8.06E-03	8.06E-03	1.35E-03	1.35E-03	5.91E-04	5.91E-04
473	441025.5	3768163	0.007005	7.01E-03	7.90E-03	7.90E-03	1.32E-03	1.32E-03	5.79E-04	5.79E-04
474	441038.4	3768151	0.006814	6.81E-03	7.68E-03	7.68E-03	1.29E-03	1.29E-03	5.63E-04	5.63E-04
475	441047.5	3768147	0.006779	6.78E-03	7.64E-03	7.64E-03	1.28E-03	1.28E-03	5.61E-04	5.61E-04
476	441056.6	3768143	0.006746	6.75E-03	7.60E-03	7.60E-03	1.28E-03	1.28E-03	5.58E-04	5.58E-04
477	441065.7	3768139	0.006694	6.69E-03	7.55E-03	7.55E-03	1.27E-03	1.27E-03	5.53E-04	5.53E-04
478	441074.8	3768136	0.006628	6.63E-03	7.47E-03	7.47E-03	1.25E-03	1.25E-03	5.48E-04	5.48E-04
479	441083.9	3768132	0.006559	6.56E-03	7.39E-03	7.39E-03	1.24E-03	1.24E-03	5.42E-04	5.42E-04
480	441093	3768128	0.006495	6.50E-03	7.32E-03	7.32E-03	1.23E-03	1.23E-03	5.37E-04	5.37E-04
481	441102.1	3768124	0.006447	6.45E-03	7.27E-03	7.27E-03	1.22E-03	1.22E-03	5.33E-04	5.33E-04
482	441111.1	3768121	0.006393	6.39E-03	7.21E-03	7.21E-03	1.21E-03	1.21E-03	5.29E-04	5.29E-04
483	441120.2	3768117	0.006334	6.33E-03	7.14E-03	7.14E-03	1.20E-03	1.20E-03	5.24E-04	5.24E-04
484	441129.3	3768113	0.006298	6.30E-03	7.10E-03	7.10E-03	1.19E-03	1.19E-03	5.21E-04	5.21E-04
485	441138.4	3768110	0.00625	6.25E-03	7.05E-03	7.05E-03	1.18E-03	1.18E-03	5.17E-04	5.17E-04
486	441147.5	3768106	0.00619	6.19E-03	6.98E-03	6.98E-03	1.17E-03	1.17E-03	5.12E-04	5.12E-04
487	441156.6	3768102	0.006123	6.12E-03	6.90E-03	6.90E-03	1.16E-03	1.16E-03	5.06E-04	5.06E-04
488	441165.7	3768098	0.00605	6.05E-03	6.82E-03	6.82E-03	1.14E-03	1.14E-03	5.00E-04	5.00E-04
489	441174.8	3768095	0.00597	5.97E-03	6.73E-03	6.73E-03	1.13E-03	1.13E-03	4.94E-04	4.94E-04
490	441183.9	3768091	0.005881	5.88E-03	6.63E-03	6.63E-03	1.11E-03	1.11E-03	4.86E-04	4.86E-04
491	441193	3768087	0.005784	5.78E-03	6.52E-03	6.52E-03	1.09E-03	1.09E-03	4.78E-04	4.78E-04
492	441202	3768084	0.005684	5.68E-03	6.41E-03	6.41E-03	1.07E-03	1.07E-03	4.70E-04	4.70E-04
493	441238.4	3768069	0.005223	5.22E-03	5.89E-03	5.89E-03	9.87E-04	9.87E-04	4.32E-04	4.32E-04
494	441247.5	3768065	0.005106	5.11E-03	5.76E-03	5.76E-03	9.65E-04	9.65E-04	4.22E-04	4.22E-04
495	441256.6	3768061	0.004992	4.99E-03	5.63E-03	5.63E-03	9.44E-04	9.44E-04	4.13E-04	4.13E-04
496	441265.7	3768057	0.004874	4.87E-03	5.49E-03	5.49E-03	9.21E-04	9.21E-04	4.03E-04	4.03E-04
497	440879	3768416	0.007458	7.46E-03	8.41E-03	8.41E-03	1.41E-03	1.41E-03	6.17E-04	6.17E-04
498	440882.8	3768407	0.007527	7.53E-03	8.48E-03	8.48E-03	1.42E-03	1.42E-03	6.22E-04	6.22E-04
499	440886.7	3768398	0.007589	7.59E-03	8.55E-03	8.55E-03	1.43E-03	1.43E-03	6.28E-04	6.28E-04
500	440890.5	3768389	0.007645	7.65E-03	8.62E-03	8.62E-03	1.45E-03	1.45E-03	6.32E-04	6.32E-04
501	440894.3	3768380	0.007699	7.70E-03	8.68E-03	8.68E-03	1.46E-03	1.46E-03	6.37E-04	6.37E-04

502	440898.1	3768371	0.007743	7.74E-03	8.73E-03	8.73E-03	1.46E-03	1.46E-03	6.40E-04	6.40E-04
503	440921	3768316	0.007847	7.85E-03	8.85E-03	8.85E-03	1.48E-03	1.48E-03	6.49E-04	6.49E-04
504	440924.8	3768307	0.007835	7.84E-03	8.83E-03	8.83E-03	1.48E-03	1.48E-03	6.48E-04	6.48E-04
505	440936.3	3768280	0.007752	7.75E-03	8.74E-03	8.74E-03	1.47E-03	1.47E-03	6.41E-04	6.41E-04
506	440940.1	3768271	0.007713	7.71E-03	8.69E-03	8.69E-03	1.46E-03	1.46E-03	6.38E-04	6.38E-04
507	440943.9	3768262	0.007642	7.64E-03	8.61E-03	8.61E-03	1.44E-03	1.44E-03	6.32E-04	6.32E-04
508	440947.7	3768253	0.007564	7.56E-03	8.53E-03	8.53E-03	1.43E-03	1.43E-03	6.25E-04	6.25E-04
509	440951.6	3768244	0.007483	7.48E-03	8.43E-03	8.43E-03	1.41E-03	1.41E-03	6.19E-04	6.19E-04
510	440955.4	3768235	0.007391	7.39E-03	8.33E-03	8.33E-03	1.40E-03	1.40E-03	6.11E-04	6.11E-04
511	440959.2	3768226	0.007291	7.29E-03	8.22E-03	8.22E-03	1.38E-03	1.38E-03	6.03E-04	6.03E-04
512	440963	3768217	0.007189	7.19E-03	8.10E-03	8.10E-03	1.36E-03	1.36E-03	5.94E-04	5.94E-04
513	440966.8	3768208	0.007089	7.09E-03	7.99E-03	7.99E-03	1.34E-03	1.34E-03	5.86E-04	5.86E-04
514	440970.6	3768198	0.006998	7.00E-03	7.89E-03	7.89E-03	1.32E-03	1.32E-03	5.79E-04	5.79E-04
515	440974.5	3768189	0.006908	6.91E-03	7.79E-03	7.79E-03	1.31E-03	1.31E-03	5.71E-04	5.71E-04
516	440978.3	3768180	0.00681	6.81E-03	7.68E-03	7.68E-03	1.29E-03	1.29E-03	5.63E-04	5.63E-04
517	440982.1	3768171	0.006718	6.72E-03	7.57E-03	7.57E-03	1.27E-03	1.27E-03	5.55E-04	5.55E-04
518	440985.9	3768162	0.00662	6.62E-03	7.46E-03	7.46E-03	1.25E-03	1.25E-03	5.47E-04	5.47E-04
519	440989.7	3768153	0.006517	6.52E-03	7.35E-03	7.35E-03	1.23E-03	1.23E-03	5.39E-04	5.39E-04
520	440993.5	3768144	0.006424	6.42E-03	7.24E-03	7.24E-03	1.21E-03	1.21E-03	5.31E-04	5.31E-04
521	440997.4	3768135	0.006331	6.33E-03	7.14E-03	7.14E-03	1.20E-03	1.20E-03	5.23E-04	5.23E-04
522	441010.3	3768122	0.00622	6.22E-03	7.01E-03	7.01E-03	1.18E-03	1.18E-03	5.14E-04	5.14E-04
523	441019.4	3768118	0.006197	6.20E-03	6.99E-03	6.99E-03	1.17E-03	1.17E-03	5.12E-04	5.12E-04
524	441028.5	3768115	0.006168	6.17E-03	6.95E-03	6.95E-03	1.17E-03	1.17E-03	5.10E-04	5.10E-04
525	441037.6	3768111	0.006146	6.15E-03	6.93E-03	6.93E-03	1.16E-03	1.16E-03	5.08E-04	5.08E-04
526	441046.7	3768107	0.00612	6.12E-03	6.90E-03	6.90E-03	1.16E-03	1.16E-03	5.06E-04	5.06E-04
527	441055.9	3768103	0.006086	6.09E-03	6.86E-03	6.86E-03	1.15E-03	1.15E-03	5.03E-04	5.03E-04
528	441065	3768100	0.006043	6.04E-03	6.81E-03	6.81E-03	1.14E-03	1.14E-03	5.00E-04	5.00E-04
529	441074.1	3768096	0.005998	6.00E-03	6.76E-03	6.76E-03	1.13E-03	1.13E-03	4.96E-04	4.96E-04
530	441083.2	3768092	0.005956	5.96E-03	6.71E-03	6.71E-03	1.13E-03	1.13E-03	4.92E-04	4.92E-04
531	441092.3	3768089	0.005907	5.91E-03	6.66E-03	6.66E-03	1.12E-03	1.12E-03	4.88E-04	4.88E-04
532	441101.4	3768085	0.005841	5.84E-03	6.58E-03	6.58E-03	1.10E-03	1.10E-03	4.83E-04	4.83E-04
533	441110.5	3768081	0.005773	5.77E-03	6.51E-03	6.51E-03	1.09E-03	1.09E-03	4.77E-04	4.77E-04
534	441119.6	3768077	0.005703	5.70E-03	6.43E-03	6.43E-03	1.08E-03	1.08E-03	4.72E-04	4.72E-04
535	441128.8	3768074	0.00564	5.64E-03	6.36E-03	6.36E-03	1.07E-03	1.07E-03	4.66E-04	4.66E-04
536	441137.9	3768070	0.005577	5.58E-03	6.29E-03	6.29E-03	1.05E-03	1.05E-03	4.61E-04	4.61E-04
537	441147	3768066	0.005512	5.51E-03	6.21E-03	6.21E-03	1.04E-03	1.04E-03	4.56E-04	4.56E-04
538	441156.1	3768062	0.00544	5.44E-03	6.13E-03	6.13E-03	1.03E-03	1.03E-03	4.50E-04	4.50E-04
539	441165.2	3768059	0.005362	5.36E-03	6.04E-03	6.04E-03	1.01E-03	1.01E-03	4.43E-04	4.43E-04
540	440839.1	3768416	0.006509	6.51E-03	7.34E-03	7.34E-03	1.23E-03	1.23E-03	5.38E-04	5.38E-04
541	440843	3768407	0.00657	6.57E-03	7.41E-03	7.41E-03	1.24E-03	1.24E-03	5.43E-04	5.43E-04
542	440846.8	3768398	0.006632	6.63E-03	7.48E-03	7.48E-03	1.25E-03	1.25E-03	5.48E-04	5.48E-04
543	440850.6	3768389	0.006695	6.70E-03	7.55E-03	7.55E-03	1.27E-03	1.27E-03	5.54E-04	5.54E-04
544	440854.4	3768379	0.006755	6.76E-03	7.61E-03	7.61E-03	1.28E-03	1.28E-03	5.59E-04	5.59E-04
545	440858.3	3768370	0.00681	6.81E-03	7.68E-03	7.68E-03	1.29E-03	1.29E-03	5.63E-04	5.63E-04
546	440862.1	3768361	0.006859	6.86E-03	7.73E-03	7.73E-03	1.30E-03	1.30E-03	5.67E-04	5.67E-04
547	440865.9	3768352	0.006903	6.90E-03	7.78E-03	7.78E-03	1.30E-03	1.30E-03	5.71E-04	5.71E-04
548	440869.7	3768343	0.006942	6.94E-03	7.83E-03	7.83E-03	1.31E-03	1.31E-03	5.74E-04	5.74E-04
549	440873.6	3768334	0.006974	6.97E-03	7.86E-03	7.86E-03	1.32E-03	1.32E-03	5.77E-04	5.77E-04
550	440877.4	3768325	0.007	7.00E-03	7.89E-03	7.89E-03	1.32E-03	1.32E-03	5.79E-04	5.79E-04
551	440881.2	3768316	0.00702	7.02E-03	7.91E-03	7.91E-03	1.33E-03	1.33E-03	5.80E-04	5.80E-04
552	440885	3768307	0.007033	7.03E-03	7.93E-03	7.93E-03	1.33E-03	1.33E-03	5.82E-04	5.82E-04
553	440888.9	3768298	0.007038	7.04E-03	7.93E-03	7.93E-03	1.33E-03	1.33E-03	5.82E-04	5.82E-04
554	440896.5	3768279	0.007013	7.01E-03	7.91E-03	7.91E-03	1.33E-03	1.33E-03	5.80E-04	5.80E-04
555	440900.3	3768270	0.006992	6.99E-03	7.88E-03	7.88E-03	1.32E-03	1.32E-03	5.78E-04	5.78E-04
556	440904.2	3768261	0.006966	6.97E-03	7.85E-03	7.85E-03	1.32E-03	1.32E-03	5.76E-04	5.76E-04
557	440908	3768252	0.006932	6.93E-03	7.81E-03	7.81E-03	1.31E-03	1.31E-03	5.73E-04	5.73E-04
558	440911.8	3768243	0.006889	6.89E-03	7.77E-03	7.77E-03	1.30E-03	1.30E-03	5.70E-04	5.70E-04
559	440915.6	3768234	0.00683	6.83E-03	7.70E-03	7.70E-03	1.29E-03	1.29E-03	5.65E-04	5.65E-04
560	440919.5	3768225	0.006761	6.76E-03	7.62E-03	7.62E-03	1.28E-03	1.28E-03	5.59E-04	5.59E-04
561	440923.3	3768216	0.006682	6.68E-03	7.53E-03	7.53E-03	1.26E-03	1.26E-03	5.53E-04	5.53E-04
562	440927.1	3768207	0.006596	6.60E-03	7.44E-03	7.44E-03	1.25E-03	1.25E-03	5.45E-04	5.45E-04
563	440930.9	3768198	0.006506	6.51E-03	7.33E-03	7.33E-03	1.23E-03	1.23E-03	5.38E-04	5.38E-04
564	440934.8	3768188	0.006416	6.42E-03	7.23E-03	7.23E-03	1.21E-03	1.21E-03	5.31E-04	5.31E-04
565	440938.6	3768179	0.006326	6.33E-03	7.13E-03	7.13E-03	1.20E-03	1.20E-03	5.23E-04	5.23E-04
566	440942.4	3768170	0.006262	6.26E-03	7.06E-03	7.06E-03	1.18E-03	1.18E-03	5.18E-04	5.18E-04
567	440946.2	3768161	0.006199	6.20E-03	6.99E-03	6.99E-03	1.17E-03	1.17E-03	5.13E-04	5.13E-04
568	440950.1	3768152	0.006132	6.13E-03	6.91E-03	6.91E-03	1.16E-03	1.16E-03	5.07E-04	5.07E-04
569	440953.9	3768143	0.006082	6.08E-03	6.86E-03	6.86E-03	1.15E-03	1.15E-03	5.03E-04	5.03E-04
570	440957.7	3768134	0.006031	6.03E-03	6.80E-03	6.80E-03	1.14E-03	1.14E-03	4.99E-04	4.99E-04
571	440961.5	3768125	0.005972	5.97E-03	6.73E-03	6.73E-03	1.13E-03	1.13E-03	4.94E-04	4.94E-04
572	440965.4	3768116	0.005902	5.90E-03	6.65E-03	6.65E-03	1.12E-03	1.12E-03	4.88E-04	4.88E-04
573	440969.2	3768107	0.005823	5.82E-03	6.56E-03	6.56E-03	1.10E-03	1.10E-03	4.81E-04	4.81E-04

574	440982.2	3768094	0.005738	5.74E-03	6.47E-03	6.47E-03	1.08E-03	1.08E-03	4.74E-04	4.74E-04
575	440991.3	3768090	0.005733	5.73E-03	6.46E-03	6.46E-03	1.08E-03	1.08E-03	4.74E-04	4.74E-04
576	441000.4	3768086	0.005719	5.72E-03	6.45E-03	6.45E-03	1.08E-03	1.08E-03	4.73E-04	4.73E-04
577	441009.6	3768082	0.005683	5.68E-03	6.41E-03	6.41E-03	1.07E-03	1.07E-03	4.70E-04	4.70E-04
578	441018.7	3768079	0.00564	5.64E-03	6.36E-03	6.36E-03	1.07E-03	1.07E-03	4.66E-04	4.66E-04
579	441027.8	3768075	0.005588	5.59E-03	6.30E-03	6.30E-03	1.06E-03	1.06E-03	4.62E-04	4.62E-04
580	441036.9	3768071	0.005543	5.54E-03	6.25E-03	6.25E-03	1.05E-03	1.05E-03	4.58E-04	4.58E-04
581	441046.1	3768068	0.005496	5.50E-03	6.20E-03	6.20E-03	1.04E-03	1.04E-03	4.54E-04	4.54E-04
582	441055.2	3768064	0.005441	5.44E-03	6.13E-03	6.13E-03	1.03E-03	1.03E-03	4.50E-04	4.50E-04
583	441064.3	3768060	0.005389	5.39E-03	6.07E-03	6.07E-03	1.02E-03	1.02E-03	4.46E-04	4.46E-04
584	441119.1	3768038	0.005078	5.08E-03	5.72E-03	5.72E-03	9.60E-04	9.60E-04	4.20E-04	4.20E-04
585	441128.3	3768034	0.005023	5.02E-03	5.66E-03	5.66E-03	9.50E-04	9.50E-04	4.15E-04	4.15E-04
586	441137.4	3768030	0.004966	4.97E-03	5.60E-03	5.60E-03	9.39E-04	9.39E-04	4.11E-04	4.11E-04
587	441146.5	3768026	0.004903	4.90E-03	5.53E-03	5.53E-03	9.27E-04	9.27E-04	4.05E-04	4.05E-04
588	441155.7	3768023	0.004831	4.83E-03	5.45E-03	5.45E-03	9.13E-04	9.13E-04	3.99E-04	3.99E-04
589	441164.8	3768019	0.004753	4.75E-03	5.36E-03	5.36E-03	8.99E-04	8.99E-04	3.93E-04	3.93E-04
590	441173.9	3768015	0.004672	4.67E-03	5.27E-03	5.27E-03	8.83E-04	8.83E-04	3.86E-04	3.86E-04
591	440822.2	3768361	0.006069	6.07E-03	6.84E-03	6.84E-03	1.15E-03	1.15E-03	5.02E-04	5.02E-04
592	440826.1	3768352	0.006124	6.12E-03	6.90E-03	6.90E-03	1.16E-03	1.16E-03	5.06E-04	5.06E-04
593	440829.9	3768342	0.006174	6.17E-03	6.96E-03	6.96E-03	1.17E-03	1.17E-03	5.11E-04	5.11E-04
594	440833.7	3768333	0.006217	6.22E-03	7.01E-03	7.01E-03	1.18E-03	1.18E-03	5.14E-04	5.14E-04
595	440837.6	3768324	0.00625	6.25E-03	7.05E-03	7.05E-03	1.18E-03	1.18E-03	5.17E-04	5.17E-04
596	440841.4	3768315	0.006278	6.28E-03	7.08E-03	7.08E-03	1.19E-03	1.19E-03	5.19E-04	5.19E-04
597	440845.2	3768306	0.0063	6.30E-03	7.10E-03	7.10E-03	1.19E-03	1.19E-03	5.21E-04	5.21E-04
598	440856.7	3768279	0.006339	6.34E-03	7.15E-03	7.15E-03	1.20E-03	1.20E-03	5.24E-04	5.24E-04
599	440860.6	3768270	0.006339	6.34E-03	7.15E-03	7.15E-03	1.20E-03	1.20E-03	5.24E-04	5.24E-04
600	440864.4	3768260	0.006336	6.34E-03	7.14E-03	7.14E-03	1.20E-03	1.20E-03	5.24E-04	5.24E-04
601	440868.2	3768251	0.006327	6.33E-03	7.13E-03	7.13E-03	1.20E-03	1.20E-03	5.23E-04	5.23E-04
602	440872	3768242	0.006314	6.31E-03	7.12E-03	7.12E-03	1.19E-03	1.19E-03	5.22E-04	5.22E-04
603	440875.9	3768233	0.006283	6.28E-03	7.08E-03	7.08E-03	1.19E-03	1.19E-03	5.20E-04	5.20E-04
604	440879.7	3768224	0.006241	6.24E-03	7.03E-03	7.03E-03	1.18E-03	1.18E-03	5.16E-04	5.16E-04
605	440883.5	3768215	0.006194	6.19E-03	6.98E-03	6.98E-03	1.17E-03	1.17E-03	5.12E-04	5.12E-04
606	440887.4	3768206	0.006141	6.14E-03	6.92E-03	6.92E-03	1.16E-03	1.16E-03	5.08E-04	5.08E-04
607	440891.2	3768197	0.00608	6.08E-03	6.85E-03	6.85E-03	1.15E-03	1.15E-03	5.03E-04	5.03E-04
608	440895	3768188	0.006012	6.01E-03	6.78E-03	6.78E-03	1.14E-03	1.14E-03	4.97E-04	4.97E-04
609	440898.9	3768178	0.00594	5.94E-03	6.70E-03	6.70E-03	1.12E-03	1.12E-03	4.91E-04	4.91E-04
610	440902.7	3768169	0.005877	5.88E-03	6.62E-03	6.62E-03	1.11E-03	1.11E-03	4.86E-04	4.86E-04
611	440906.5	3768160	0.00581	5.81E-03	6.55E-03	6.55E-03	1.10E-03	1.10E-03	4.80E-04	4.80E-04
612	440910.4	3768151	0.005741	5.74E-03	6.47E-03	6.47E-03	1.09E-03	1.09E-03	4.75E-04	4.75E-04
613	440914.2	3768142	0.005714	5.71E-03	6.44E-03	6.44E-03	1.08E-03	1.08E-03	4.72E-04	4.72E-04
614	440918	3768133	0.005686	5.69E-03	6.41E-03	6.41E-03	1.07E-03	1.07E-03	4.70E-04	4.70E-04
615	440921.9	3768124	0.005652	5.65E-03	6.37E-03	6.37E-03	1.07E-03	1.07E-03	4.67E-04	4.67E-04
616	440925.7	3768115	0.005608	5.61E-03	6.32E-03	6.32E-03	1.06E-03	1.06E-03	4.64E-04	4.64E-04
617	440929.5	3768105	0.005556	5.56E-03	6.26E-03	6.26E-03	1.05E-03	1.05E-03	4.59E-04	4.59E-04
618	440933.4	3768096	0.005501	5.50E-03	6.20E-03	6.20E-03	1.04E-03	1.04E-03	4.55E-04	4.55E-04
619	440937.2	3768087	0.005439	5.44E-03	6.13E-03	6.13E-03	1.03E-03	1.03E-03	4.50E-04	4.50E-04
620	440941	3768078	0.005363	5.36E-03	6.05E-03	6.05E-03	1.01E-03	1.01E-03	4.43E-04	4.43E-04
621	440954	3768065	0.005284	5.28E-03	5.96E-03	5.96E-03	9.99E-04	9.99E-04	4.37E-04	4.37E-04
622	440963.2	3768062	0.00528	5.28E-03	5.95E-03	5.95E-03	9.98E-04	9.98E-04	4.37E-04	4.37E-04
623	441018.1	3768039	0.005103	5.10E-03	5.75E-03	5.75E-03	9.65E-04	9.65E-04	4.22E-04	4.22E-04
624	441027.2	3768035	0.005048	5.05E-03	5.69E-03	5.69E-03	9.54E-04	9.54E-04	4.17E-04	4.17E-04
625	441036.4	3768032	0.004998	5.00E-03	5.63E-03	5.63E-03	9.45E-04	9.45E-04	4.13E-04	4.13E-04
626	441045.5	3768028	0.004949	4.95E-03	5.58E-03	5.58E-03	9.36E-04	9.36E-04	4.09E-04	4.09E-04
627	441054.7	3768024	0.004899	4.90E-03	5.52E-03	5.52E-03	9.26E-04	9.26E-04	4.05E-04	4.05E-04
628	441063.8	3768020	0.00485	4.85E-03	5.47E-03	5.47E-03	9.17E-04	9.17E-04	4.01E-04	4.01E-04
629	441073	3768017	0.004806	4.81E-03	5.42E-03	5.42E-03	9.09E-04	9.09E-04	3.97E-04	3.97E-04
630	441082.1	3768013	0.004761	4.76E-03	5.37E-03	5.37E-03	9.00E-04	9.00E-04	3.94E-04	3.94E-04
631	441091.3	3768009	0.004716	4.72E-03	5.32E-03	5.32E-03	8.92E-04	8.92E-04	3.90E-04	3.90E-04
632	441100.4	3768005	0.004672	4.67E-03	5.27E-03	5.27E-03	8.83E-04	8.83E-04	3.86E-04	3.86E-04
633	441109.6	3768002	0.004623	4.62E-03	5.21E-03	5.21E-03	8.74E-04	8.74E-04	3.82E-04	3.82E-04
634	441118.7	3767998	0.004568	4.57E-03	5.15E-03	5.15E-03	8.64E-04	8.64E-04	3.78E-04	3.78E-04
635	441127.9	3767994	0.004501	4.50E-03	5.07E-03	5.07E-03	8.51E-04	8.51E-04	3.72E-04	3.72E-04
636	441137	3767990	0.004427	4.43E-03	4.99E-03	4.99E-03	8.37E-04	8.37E-04	3.66E-04	3.66E-04
637	441146.2	3767987	0.004349	4.35E-03	4.90E-03	4.90E-03	8.22E-04	8.22E-04	3.60E-04	3.60E-04
638	441155.3	3767983	0.004273	4.27E-03	4.82E-03	4.82E-03	8.08E-04	8.08E-04	3.53E-04	3.53E-04
639	441164.5	3767979	0.004202	4.20E-03	4.74E-03	4.74E-03	7.94E-04	7.94E-04	3.47E-04	3.47E-04
640	440820.7	3768269	0.005781	5.78E-03	6.52E-03	6.52E-03	1.09E-03	1.09E-03	4.78E-04	4.78E-04
641	440824.6	3768260	0.005788	5.79E-03	6.52E-03	6.52E-03	1.09E-03	1.09E-03	4.79E-04	4.79E-04
642	440828.4	3768251	0.00579	5.79E-03	6.53E-03	6.53E-03	1.09E-03	1.09E-03	4.79E-04	4.79E-04
643	440832.3	3768241	0.005789	5.79E-03	6.53E-03	6.53E-03	1.09E-03	1.09E-03	4.79E-04	4.79E-04
644	440836.1	3768232	0.005777	5.78E-03	6.51E-03	6.51E-03	1.09E-03	1.09E-03	4.78E-04	4.78E-04
645	440839.9	3768223	0.005759	5.76E-03	6.49E-03	6.49E-03	1.09E-03	1.09E-03	4.76E-04	4.76E-04

646	440843.8	3768214	0.005736	5.74E-03	6.47E-03	6.47E-03	1.08E-03	1.08E-03	4.74E-04	4.74E-04
647	440847.6	3768205	0.005709	5.71E-03	6.44E-03	6.44E-03	1.08E-03	1.08E-03	4.72E-04	4.72E-04
648	440851.5	3768196	0.005678	5.68E-03	6.40E-03	6.40E-03	1.07E-03	1.07E-03	4.69E-04	4.69E-04
649	440855.3	3768187	0.005639	5.64E-03	6.36E-03	6.36E-03	1.07E-03	1.07E-03	4.66E-04	4.66E-04
650	440859.1	3768178	0.005595	5.60E-03	6.31E-03	6.31E-03	1.06E-03	1.06E-03	4.63E-04	4.63E-04
651	440863	3768168	0.005548	5.55E-03	6.25E-03	6.25E-03	1.05E-03	1.05E-03	4.59E-04	4.59E-04
652	440866.8	3768159	0.005498	5.50E-03	6.20E-03	6.20E-03	1.04E-03	1.04E-03	4.55E-04	4.55E-04
653	440870.6	3768150	0.005444	5.44E-03	6.14E-03	6.14E-03	1.03E-03	1.03E-03	4.50E-04	4.50E-04
654	440874.5	3768141	0.00541	5.41E-03	6.10E-03	6.10E-03	1.02E-03	1.02E-03	4.47E-04	4.47E-04
655	440878.3	3768132	0.005376	5.38E-03	6.06E-03	6.06E-03	1.02E-03	1.02E-03	4.45E-04	4.45E-04
656	440882.2	3768123	0.005344	5.34E-03	6.02E-03	6.02E-03	1.01E-03	1.01E-03	4.42E-04	4.42E-04
657	440886	3768114	0.005305	5.31E-03	5.98E-03	5.98E-03	1.00E-03	1.00E-03	4.39E-04	4.39E-04
658	440889.8	3768105	0.005263	5.26E-03	5.93E-03	5.93E-03	9.95E-04	9.95E-04	4.35E-04	4.35E-04
659	440893.7	3768095	0.005219	5.22E-03	5.88E-03	5.88E-03	9.87E-04	9.87E-04	4.32E-04	4.32E-04
660	440897.5	3768086	0.00517	5.17E-03	5.83E-03	5.83E-03	9.77E-04	9.77E-04	4.27E-04	4.27E-04
661	440901.4	3768077	0.005113	5.11E-03	5.76E-03	5.76E-03	9.67E-04	9.67E-04	4.23E-04	4.23E-04
662	440905.2	3768068	0.005053	5.05E-03	5.70E-03	5.70E-03	9.55E-04	9.55E-04	4.18E-04	4.18E-04
663	440925.9	3768037	0.004872	4.87E-03	5.49E-03	5.49E-03	9.21E-04	9.21E-04	4.03E-04	4.03E-04
664	440935	3768033	0.004876	4.88E-03	5.50E-03	5.50E-03	9.22E-04	9.22E-04	4.03E-04	4.03E-04
665	440944.2	3768029	0.004871	4.87E-03	5.49E-03	5.49E-03	9.21E-04	9.21E-04	4.03E-04	4.03E-04
666	440953.4	3768026	0.004856	4.86E-03	5.47E-03	5.47E-03	9.18E-04	9.18E-04	4.02E-04	4.02E-04
667	440962.5	3768022	0.004839	4.84E-03	5.45E-03	5.45E-03	9.15E-04	9.15E-04	4.00E-04	4.00E-04
668	440971.7	3768018	0.004818	4.82E-03	5.43E-03	5.43E-03	9.11E-04	9.11E-04	3.98E-04	3.98E-04
669	440980.9	3768014	0.004794	4.79E-03	5.40E-03	5.40E-03	9.06E-04	9.06E-04	3.96E-04	3.96E-04
670	440990	3768011	0.004765	4.77E-03	5.37E-03	5.37E-03	9.01E-04	9.01E-04	3.94E-04	3.94E-04
671	440999.2	3768007	0.004733	4.73E-03	5.34E-03	5.34E-03	8.95E-04	8.95E-04	3.91E-04	3.91E-04
672	441008.4	3768003	0.004692	4.69E-03	5.29E-03	5.29E-03	8.87E-04	8.87E-04	3.88E-04	3.88E-04
673	441017.5	3767999	0.004646	4.65E-03	5.24E-03	5.24E-03	8.78E-04	8.78E-04	3.84E-04	3.84E-04
674	441026.7	3767996	0.004598	4.60E-03	5.18E-03	5.18E-03	8.69E-04	8.69E-04	3.80E-04	3.80E-04
675	441035.9	3767992	0.004552	4.55E-03	5.13E-03	5.13E-03	8.61E-04	8.61E-04	3.76E-04	3.76E-04
676	441045	3767988	0.004509	4.51E-03	5.08E-03	5.08E-03	8.52E-04	8.52E-04	3.73E-04	3.73E-04
677	441054.2	3767984	0.004464	4.46E-03	5.03E-03	5.03E-03	8.44E-04	8.44E-04	3.69E-04	3.69E-04
678	441063.4	3767981	0.004422	4.42E-03	4.98E-03	4.98E-03	8.36E-04	8.36E-04	3.66E-04	3.66E-04
679	441072.5	3767977	0.004385	4.39E-03	4.94E-03	4.94E-03	8.29E-04	8.29E-04	3.63E-04	3.63E-04
680	441081.7	3767973	0.004345	4.35E-03	4.90E-03	4.90E-03	8.21E-04	8.21E-04	3.59E-04	3.59E-04
681	441090.9	3767969	0.0043	4.30E-03	4.85E-03	4.85E-03	8.13E-04	8.13E-04	3.56E-04	3.56E-04
682	441100	3767966	0.004237	4.24E-03	4.78E-03	4.78E-03	8.01E-04	8.01E-04	3.50E-04	3.50E-04
683	441109.2	3767962	0.00417	4.17E-03	4.70E-03	4.70E-03	7.88E-04	7.88E-04	3.45E-04	3.45E-04
684	441118.3	3767958	0.0041	4.10E-03	4.62E-03	4.62E-03	7.75E-04	7.75E-04	3.39E-04	3.39E-04
685	441127.5	3767954	0.004024	4.02E-03	4.54E-03	4.54E-03	7.61E-04	7.61E-04	3.33E-04	3.33E-04
686	441136.7	3767951	0.003947	3.95E-03	4.45E-03	4.45E-03	7.46E-04	7.46E-04	3.26E-04	3.26E-04
687	441145.8	3767947	0.003869	3.87E-03	4.36E-03	4.36E-03	7.31E-04	7.31E-04	3.20E-04	3.20E-04
688	441155	3767943	0.003805	3.81E-03	4.29E-03	4.29E-03	7.19E-04	7.19E-04	3.15E-04	3.15E-04
689	440820.5	3768174	0.005222	5.22E-03	5.89E-03	5.89E-03	9.87E-04	9.87E-04	4.32E-04	4.32E-04
690	440824.3	3768165	0.005195	5.20E-03	5.86E-03	5.86E-03	9.82E-04	9.82E-04	4.30E-04	4.30E-04
691	440828.1	3768156	0.005164	5.16E-03	5.82E-03	5.82E-03	9.76E-04	9.76E-04	4.27E-04	4.27E-04
692	440831.9	3768147	0.00513	5.13E-03	5.78E-03	5.78E-03	9.70E-04	9.70E-04	4.24E-04	4.24E-04
693	440835.7	3768138	0.005094	5.09E-03	5.74E-03	5.74E-03	9.63E-04	9.63E-04	4.21E-04	4.21E-04
694	440839.4	3768129	0.005058	5.06E-03	5.70E-03	5.70E-03	9.56E-04	9.56E-04	4.18E-04	4.18E-04
695	440843.2	3768120	0.005024	5.02E-03	5.66E-03	5.66E-03	9.50E-04	9.50E-04	4.15E-04	4.15E-04
696	440847	3768111	0.004991	4.99E-03	5.63E-03	5.63E-03	9.44E-04	9.44E-04	4.13E-04	4.13E-04
697	440850.8	3768102	0.004956	4.96E-03	5.59E-03	5.59E-03	9.37E-04	9.37E-04	4.10E-04	4.10E-04
698	440854.6	3768093	0.004919	4.92E-03	5.54E-03	5.54E-03	9.30E-04	9.30E-04	4.07E-04	4.07E-04
699	440858.3	3768084	0.004879	4.88E-03	5.50E-03	5.50E-03	9.22E-04	9.22E-04	4.03E-04	4.03E-04
700	440862.1	3768075	0.004837	4.84E-03	5.45E-03	5.45E-03	9.14E-04	9.14E-04	4.00E-04	4.00E-04
701	440865.9	3768066	0.004793	4.79E-03	5.40E-03	5.40E-03	9.06E-04	9.06E-04	3.96E-04	3.96E-04
702	440877.2	3768039	0.004634	4.63E-03	5.22E-03	5.22E-03	8.76E-04	8.76E-04	3.83E-04	3.83E-04
703	440881	3768030	0.004578	4.58E-03	5.16E-03	5.16E-03	8.65E-04	8.65E-04	3.79E-04	3.79E-04
704	440884.8	3768021	0.004522	4.52E-03	5.10E-03	5.10E-03	8.55E-04	8.55E-04	3.74E-04	3.74E-04
705	440897.6	3768008	0.004478	4.48E-03	5.05E-03	5.05E-03	8.47E-04	8.47E-04	3.70E-04	3.70E-04
706	440906.6	3768005	0.004487	4.49E-03	5.06E-03	5.06E-03	8.48E-04	8.48E-04	3.71E-04	3.71E-04
707	440915.6	3768001	0.004491	4.49E-03	5.06E-03	5.06E-03	8.49E-04	8.49E-04	3.71E-04	3.71E-04
708	440924.6	3767997	0.004488	4.49E-03	5.06E-03	5.06E-03	8.48E-04	8.48E-04	3.71E-04	3.71E-04
709	440933.7	3767994	0.004481	4.48E-03	5.05E-03	5.05E-03	8.47E-04	8.47E-04	3.71E-04	3.71E-04
710	440942.7	3767990	0.00447	4.47E-03	5.04E-03	5.04E-03	8.45E-04	8.45E-04	3.70E-04	3.70E-04
711	440951.7	3767986	0.004455	4.46E-03	5.02E-03	5.02E-03	8.42E-04	8.42E-04	3.68E-04	3.68E-04
712	440960.7	3767983	0.004438	4.44E-03	5.00E-03	5.00E-03	8.39E-04	8.39E-04	3.67E-04	3.67E-04
713	440969.7	3767979	0.004419	4.42E-03	4.98E-03	4.98E-03	8.35E-04	8.35E-04	3.65E-04	3.65E-04
714	440978.8	3767975	0.00439	4.39E-03	4.95E-03	4.95E-03	8.30E-04	8.30E-04	3.63E-04	3.63E-04
715	440987.8	3767972	0.004357	4.36E-03	4.91E-03	4.91E-03	8.24E-04	8.24E-04	3.60E-04	3.60E-04
716	440996.8	3767968	0.00432	4.32E-03	4.87E-03	4.87E-03	8.17E-04	8.17E-04	3.57E-04	3.57E-04
717	441005.8	3767964	0.004281	4.28E-03	4.83E-03	4.83E-03	8.09E-04	8.09E-04	3.54E-04	3.54E-04

718	441014.9	3767960	0.00424	4.24E-03	4.78E-03	4.78E-03	8.02E-04	8.02E-04	3.51E-04	3.51E-04
719	441023.9	3767957	0.004199	4.20E-03	4.73E-03	4.73E-03	7.94E-04	7.94E-04	3.47E-04	3.47E-04
720	441032.9	3767953	0.004158	4.16E-03	4.69E-03	4.69E-03	7.86E-04	7.86E-04	3.44E-04	3.44E-04
721	441041.9	3767949	0.004122	4.12E-03	4.65E-03	4.65E-03	7.79E-04	7.79E-04	3.41E-04	3.41E-04
722	441050.9	3767946	0.004085	4.09E-03	4.60E-03	4.60E-03	7.72E-04	7.72E-04	3.38E-04	3.38E-04
723	441060	3767942	0.004048	4.05E-03	4.56E-03	4.56E-03	7.65E-04	7.65E-04	3.35E-04	3.35E-04
724	441069	3767938	0.004001	4.00E-03	4.51E-03	4.51E-03	7.56E-04	7.56E-04	3.31E-04	3.31E-04
725	441105.1	3767924	0.003778	3.78E-03	4.26E-03	4.26E-03	7.14E-04	7.14E-04	3.12E-04	3.12E-04
726	441114.1	3767920	0.003716	3.72E-03	4.19E-03	4.19E-03	7.02E-04	7.02E-04	3.07E-04	3.07E-04
727	441123.1	3767916	0.003655	3.66E-03	4.12E-03	4.12E-03	6.91E-04	6.91E-04	3.02E-04	3.02E-04
728	441132.1	3767912	0.003595	3.60E-03	4.05E-03	4.05E-03	6.80E-04	6.80E-04	2.97E-04	2.97E-04
729	441141.1	3767909	0.003536	3.54E-03	3.99E-03	3.99E-03	6.68E-04	6.68E-04	2.92E-04	2.92E-04
730	441150.2	3767905	0.003478	3.48E-03	3.92E-03	3.92E-03	6.58E-04	6.58E-04	2.88E-04	2.88E-04
731	441159.2	3767901	0.003429	3.43E-03	3.87E-03	3.87E-03	6.48E-04	6.48E-04	2.84E-04	2.84E-04
732	440765.7	3768209	0.004858	4.86E-03	5.48E-03	5.48E-03	9.18E-04	9.18E-04	4.02E-04	4.02E-04
733	440769.5	3768200	0.00486	4.86E-03	5.48E-03	5.48E-03	9.19E-04	9.19E-04	4.02E-04	4.02E-04
734	440773.3	3768191	0.004858	4.86E-03	5.48E-03	5.48E-03	9.18E-04	9.18E-04	4.02E-04	4.02E-04
735	440777.1	3768182	0.004854	4.85E-03	5.47E-03	5.47E-03	9.18E-04	9.18E-04	4.01E-04	4.01E-04
736	440784.7	3768164	0.004831	4.83E-03	5.45E-03	5.45E-03	9.13E-04	9.13E-04	3.99E-04	3.99E-04
737	440788.5	3768155	0.004809	4.81E-03	5.42E-03	5.42E-03	9.09E-04	9.09E-04	3.98E-04	3.98E-04
738	440792.2	3768146	0.004787	4.79E-03	5.40E-03	5.40E-03	9.05E-04	9.05E-04	3.96E-04	3.96E-04
739	440796	3768137	0.004764	4.76E-03	5.37E-03	5.37E-03	9.01E-04	9.01E-04	3.94E-04	3.94E-04
740	440799.8	3768128	0.004736	4.74E-03	5.34E-03	5.34E-03	8.95E-04	8.95E-04	3.92E-04	3.92E-04
741	440818.8	3768083	0.004594	4.59E-03	5.18E-03	5.18E-03	8.68E-04	8.68E-04	3.80E-04	3.80E-04
742	440822.5	3768074	0.004567	4.57E-03	5.15E-03	5.15E-03	8.63E-04	8.63E-04	3.78E-04	3.78E-04
743	440826.3	3768065	0.004539	4.54E-03	5.12E-03	5.12E-03	8.58E-04	8.58E-04	3.75E-04	3.75E-04
744	440837.7	3768038	0.004417	4.42E-03	4.98E-03	4.98E-03	8.35E-04	8.35E-04	3.65E-04	3.65E-04
745	440841.5	3768029	0.004368	4.37E-03	4.92E-03	4.92E-03	8.26E-04	8.26E-04	3.61E-04	3.61E-04
746	440845.3	3768020	0.004312	4.31E-03	4.86E-03	4.86E-03	8.15E-04	8.15E-04	3.57E-04	3.57E-04
747	440849	3768011	0.004252	4.25E-03	4.79E-03	4.79E-03	8.04E-04	8.04E-04	3.52E-04	3.52E-04
748	440852.8	3768002	0.004197	4.20E-03	4.73E-03	4.73E-03	7.93E-04	7.93E-04	3.47E-04	3.47E-04
749	440856.6	3767993	0.004152	4.15E-03	4.68E-03	4.68E-03	7.85E-04	7.85E-04	3.43E-04	3.43E-04
750	440869.4	3767980	0.004118	4.12E-03	4.64E-03	4.64E-03	7.78E-04	7.78E-04	3.40E-04	3.40E-04
751	440878.5	3767976	0.004125	4.13E-03	4.65E-03	4.65E-03	7.80E-04	7.80E-04	3.41E-04	3.41E-04
752	440887.5	3767973	0.004129	4.13E-03	4.65E-03	4.65E-03	7.81E-04	7.81E-04	3.41E-04	3.41E-04
753	440896.6	3767969	0.004129	4.13E-03	4.65E-03	4.65E-03	7.81E-04	7.81E-04	3.41E-04	3.41E-04
754	440905.6	3767965	0.004128	4.13E-03	4.65E-03	4.65E-03	7.80E-04	7.80E-04	3.41E-04	3.41E-04
755	440914.7	3767962	0.004123	4.12E-03	4.65E-03	4.65E-03	7.79E-04	7.79E-04	3.41E-04	3.41E-04
756	440923.7	3767958	0.004116	4.12E-03	4.64E-03	4.64E-03	7.78E-04	7.78E-04	3.40E-04	3.40E-04
757	440932.7	3767954	0.004107	4.11E-03	4.63E-03	4.63E-03	7.76E-04	7.76E-04	3.40E-04	3.40E-04
758	440941.8	3767950	0.004094	4.09E-03	4.61E-03	4.61E-03	7.74E-04	7.74E-04	3.39E-04	3.39E-04
759	440950.8	3767947	0.004076	4.08E-03	4.59E-03	4.59E-03	7.71E-04	7.71E-04	3.37E-04	3.37E-04
760	440959.9	3767943	0.004054	4.05E-03	4.57E-03	4.57E-03	7.66E-04	7.66E-04	3.35E-04	3.35E-04
761	440968.9	3767939	0.004028	4.03E-03	4.54E-03	4.54E-03	7.61E-04	7.61E-04	3.33E-04	3.33E-04
762	441005.1	3767925	0.003881	3.88E-03	4.37E-03	4.37E-03	7.34E-04	7.34E-04	3.21E-04	3.21E-04
763	441014.1	3767921	0.003844	3.84E-03	4.33E-03	4.33E-03	7.27E-04	7.27E-04	3.18E-04	3.18E-04
764	441023.1	3767917	0.003805	3.81E-03	4.29E-03	4.29E-03	7.19E-04	7.19E-04	3.15E-04	3.15E-04
765	441032.2	3767913	0.003767	3.77E-03	4.25E-03	4.25E-03	7.12E-04	7.12E-04	3.11E-04	3.11E-04
766	441041.2	3767910	0.003731	3.73E-03	4.21E-03	4.21E-03	7.05E-04	7.05E-04	3.08E-04	3.08E-04
767	441050.3	3767906	0.003698	3.70E-03	4.17E-03	4.17E-03	6.99E-04	6.99E-04	3.06E-04	3.06E-04
768	441059.3	3767902	0.003664	3.66E-03	4.13E-03	4.13E-03	6.93E-04	6.93E-04	3.03E-04	3.03E-04
769	441068.3	3767899	0.003623	3.62E-03	4.08E-03	4.08E-03	6.85E-04	6.85E-04	3.00E-04	3.00E-04
770	441077.4	3767895	0.00358	3.58E-03	4.04E-03	4.04E-03	6.77E-04	6.77E-04	2.96E-04	2.96E-04
771	441086.4	3767891	0.003537	3.54E-03	3.99E-03	3.99E-03	6.69E-04	6.69E-04	2.92E-04	2.92E-04
772	441095.5	3767887	0.003489	3.49E-03	3.93E-03	3.93E-03	6.60E-04	6.60E-04	2.88E-04	2.88E-04
773	441104.5	3767884	0.003439	3.44E-03	3.88E-03	3.88E-03	6.50E-04	6.50E-04	2.84E-04	2.84E-04
774	441113.5	3767880	0.003387	3.39E-03	3.82E-03	3.82E-03	6.40E-04	6.40E-04	2.80E-04	2.80E-04
775	441122.6	3767876	0.003337	3.34E-03	3.76E-03	3.76E-03	6.31E-04	6.31E-04	2.76E-04	2.76E-04
776	441131.6	3767873	0.003286	3.29E-03	3.70E-03	3.70E-03	6.21E-04	6.21E-04	2.72E-04	2.72E-04
777	441140.7	3767869	0.003233	3.23E-03	3.64E-03	3.64E-03	6.11E-04	6.11E-04	2.67E-04	2.67E-04
778	441149.7	3767865	0.003178	3.18E-03	3.58E-03	3.58E-03	6.01E-04	6.01E-04	2.63E-04	2.63E-04
779	441158.7	3767862	0.003128	3.13E-03	3.53E-03	3.53E-03	5.91E-04	5.91E-04	2.59E-04	2.59E-04
780	441167.8	3767858	0.003076	3.08E-03	3.47E-03	3.47E-03	5.82E-04	5.82E-04	2.54E-04	2.54E-04
781	440695.7	3768280	0.004292	4.29E-03	4.84E-03	4.84E-03	8.11E-04	8.11E-04	3.55E-04	3.55E-04
782	440699.4	3768271	0.004317	4.32E-03	4.87E-03	4.87E-03	8.16E-04	8.16E-04	3.57E-04	3.57E-04
783	440703.2	3768262	0.004341	4.34E-03	4.89E-03	4.89E-03	8.21E-04	8.21E-04	3.59E-04	3.59E-04
784	440707	3768253	0.004363	4.36E-03	4.92E-03	4.92E-03	8.25E-04	8.25E-04	3.61E-04	3.61E-04
785	440710.8	3768244	0.004382	4.38E-03	4.94E-03	4.94E-03	8.28E-04	8.28E-04	3.62E-04	3.62E-04
786	440714.6	3768235	0.004399	4.40E-03	4.96E-03	4.96E-03	8.32E-04	8.32E-04	3.64E-04	3.64E-04
787	440718.4	3768226	0.004415	4.42E-03	4.98E-03	4.98E-03	8.35E-04	8.35E-04	3.65E-04	3.65E-04
788	440722.2	3768217	0.004427	4.43E-03	4.99E-03	4.99E-03	8.37E-04	8.37E-04	3.66E-04	3.66E-04
789	440726	3768208	0.004438	4.44E-03	5.00E-03	5.00E-03	8.39E-04	8.39E-04	3.67E-04	3.67E-04

790	440729.8	3768199	0.004446	4.45E-03	5.01E-03	5.01E-03	8.40E-04	8.40E-04	3.68E-04	3.68E-04
791	440733.6	3768190	0.004452	4.45E-03	5.02E-03	5.02E-03	8.42E-04	8.42E-04	3.68E-04	3.68E-04
792	440737.4	3768181	0.004455	4.46E-03	5.02E-03	5.02E-03	8.42E-04	8.42E-04	3.68E-04	3.68E-04
793	440745	3768163	0.004465	4.47E-03	5.03E-03	5.03E-03	8.44E-04	8.44E-04	3.69E-04	3.69E-04
794	440748.8	3768154	0.004466	4.47E-03	5.03E-03	5.03E-03	8.44E-04	8.44E-04	3.69E-04	3.69E-04
795	440752.6	3768145	0.004462	4.46E-03	5.03E-03	5.03E-03	8.44E-04	8.44E-04	3.69E-04	3.69E-04
796	440756.4	3768136	0.004453	4.45E-03	5.02E-03	5.02E-03	8.42E-04	8.42E-04	3.68E-04	3.68E-04
797	440760.2	3768127	0.004441	4.44E-03	5.01E-03	5.01E-03	8.40E-04	8.40E-04	3.67E-04	3.67E-04
798	440764	3768118	0.004424	4.42E-03	4.99E-03	4.99E-03	8.36E-04	8.36E-04	3.66E-04	3.66E-04
799	440767.7	3768109	0.004408	4.41E-03	4.97E-03	4.97E-03	8.33E-04	8.33E-04	3.64E-04	3.64E-04
800	440771.5	3768100	0.00439	4.39E-03	4.95E-03	4.95E-03	8.30E-04	8.30E-04	3.63E-04	3.63E-04
801	440775.3	3768091	0.00437	4.37E-03	4.93E-03	4.93E-03	8.26E-04	8.26E-04	3.61E-04	3.61E-04
802	440779.1	3768082	0.004353	4.35E-03	4.91E-03	4.91E-03	8.23E-04	8.23E-04	3.60E-04	3.60E-04
803	440782.9	3768073	0.004333	4.33E-03	4.88E-03	4.88E-03	8.19E-04	8.19E-04	3.58E-04	3.58E-04
804	440786.7	3768064	0.004312	4.31E-03	4.86E-03	4.86E-03	8.15E-04	8.15E-04	3.57E-04	3.57E-04
805	440798.1	3768037	0.004222	4.22E-03	4.76E-03	4.76E-03	7.98E-04	7.98E-04	3.49E-04	3.49E-04
806	440817.1	3767991	0.004021	4.02E-03	4.53E-03	4.53E-03	7.60E-04	7.60E-04	3.32E-04	3.32E-04
807	440820.9	3767982	0.003978	3.98E-03	4.48E-03	4.48E-03	7.52E-04	7.52E-04	3.29E-04	3.29E-04
808	440824.7	3767973	0.003934	3.93E-03	4.43E-03	4.43E-03	7.44E-04	7.44E-04	3.25E-04	3.25E-04
809	440828.5	3767964	0.003887	3.89E-03	4.38E-03	4.38E-03	7.35E-04	7.35E-04	3.21E-04	3.21E-04
810	440841.3	3767952	0.003842	3.84E-03	4.33E-03	4.33E-03	7.26E-04	7.26E-04	3.18E-04	3.18E-04
811	440850.4	3767948	0.003843	3.84E-03	4.33E-03	4.33E-03	7.27E-04	7.27E-04	3.18E-04	3.18E-04
812	440859.4	3767944	0.003847	3.85E-03	4.34E-03	4.34E-03	7.27E-04	7.27E-04	3.18E-04	3.18E-04
813	440868.5	3767941	0.003848	3.85E-03	4.34E-03	4.34E-03	7.27E-04	7.27E-04	3.18E-04	3.18E-04
814	440913.8	3767922	0.003814	3.81E-03	4.30E-03	4.30E-03	7.21E-04	7.21E-04	3.15E-04	3.15E-04
815	440922.8	3767918	0.003805	3.81E-03	4.29E-03	4.29E-03	7.19E-04	7.19E-04	3.15E-04	3.15E-04
816	440931.9	3767915	0.003794	3.79E-03	4.28E-03	4.28E-03	7.17E-04	7.17E-04	3.14E-04	3.14E-04
817	440941	3767911	0.003781	3.78E-03	4.26E-03	4.26E-03	7.15E-04	7.15E-04	3.13E-04	3.13E-04
818	440950	3767907	0.003754	3.75E-03	4.23E-03	4.23E-03	7.10E-04	7.10E-04	3.10E-04	3.10E-04
819	440959.1	3767903	0.003725	3.73E-03	4.20E-03	4.20E-03	7.04E-04	7.04E-04	3.08E-04	3.08E-04
820	440968.1	3767900	0.003695	3.70E-03	4.17E-03	4.17E-03	6.99E-04	6.99E-04	3.06E-04	3.06E-04
821	440977.2	3767896	0.003662	3.66E-03	4.13E-03	4.13E-03	6.92E-04	6.92E-04	3.03E-04	3.03E-04
822	440986.3	3767892	0.003629	3.63E-03	4.09E-03	4.09E-03	6.86E-04	6.86E-04	3.00E-04	3.00E-04
823	440995.3	3767889	0.003598	3.60E-03	4.06E-03	4.06E-03	6.80E-04	6.80E-04	2.98E-04	2.98E-04
824	441004.4	3767885	0.003566	3.57E-03	4.02E-03	4.02E-03	6.74E-04	6.74E-04	2.95E-04	2.95E-04
825	441013.4	3767881	0.003531	3.53E-03	3.98E-03	3.98E-03	6.68E-04	6.68E-04	2.92E-04	2.92E-04
826	441022.5	3767877	0.003493	3.49E-03	3.94E-03	3.94E-03	6.60E-04	6.60E-04	2.89E-04	2.89E-04
827	441031.5	3767874	0.003455	3.46E-03	3.89E-03	3.89E-03	6.53E-04	6.53E-04	2.86E-04	2.86E-04
828	441040.6	3767870	0.003423	3.42E-03	3.86E-03	3.86E-03	6.47E-04	6.47E-04	2.83E-04	2.83E-04
829	441049.7	3767866	0.003388	3.39E-03	3.82E-03	3.82E-03	6.40E-04	6.40E-04	2.80E-04	2.80E-04
830	441058.7	3767863	0.003351	3.35E-03	3.78E-03	3.78E-03	6.33E-04	6.33E-04	2.77E-04	2.77E-04
831	441067.8	3767859	0.003314	3.31E-03	3.74E-03	3.74E-03	6.26E-04	6.26E-04	2.74E-04	2.74E-04
832	441095	3767848	0.003201	3.20E-03	3.61E-03	3.61E-03	6.05E-04	6.05E-04	2.65E-04	2.65E-04
833	441104	3767844	0.003159	3.16E-03	3.56E-03	3.56E-03	5.97E-04	5.97E-04	2.61E-04	2.61E-04
834	441113.1	3767840	0.003117	3.12E-03	3.51E-03	3.51E-03	5.89E-04	5.89E-04	2.58E-04	2.58E-04
835	441122.1	3767837	0.003073	3.07E-03	3.46E-03	3.46E-03	5.81E-04	5.81E-04	2.54E-04	2.54E-04
836	440655.8	3768280	0.003916	3.92E-03	4.41E-03	4.41E-03	7.40E-04	7.40E-04	3.24E-04	3.24E-04
837	440659.7	3768270	0.003936	3.94E-03	4.44E-03	4.44E-03	7.44E-04	7.44E-04	3.25E-04	3.25E-04
838	440663.5	3768261	0.003964	3.96E-03	4.47E-03	4.47E-03	7.49E-04	7.49E-04	3.28E-04	3.28E-04
839	440667.3	3768252	0.003991	3.99E-03	4.50E-03	4.50E-03	7.54E-04	7.54E-04	3.30E-04	3.30E-04
840	440671.1	3768243	0.004015	4.02E-03	4.53E-03	4.53E-03	7.59E-04	7.59E-04	3.32E-04	3.32E-04
841	440674.9	3768234	0.004033	4.03E-03	4.55E-03	4.55E-03	7.62E-04	7.62E-04	3.33E-04	3.33E-04
842	440678.7	3768225	0.004048	4.05E-03	4.56E-03	4.56E-03	7.65E-04	7.65E-04	3.35E-04	3.35E-04
843	440682.5	3768216	0.00406	4.06E-03	4.58E-03	4.58E-03	7.68E-04	7.68E-04	3.36E-04	3.36E-04
844	440686.3	3768207	0.004072	4.07E-03	4.59E-03	4.59E-03	7.70E-04	7.70E-04	3.37E-04	3.37E-04
845	440690.1	3768198	0.004084	4.08E-03	4.60E-03	4.60E-03	7.72E-04	7.72E-04	3.38E-04	3.38E-04
846	440693.9	3768189	0.004095	4.10E-03	4.62E-03	4.62E-03	7.74E-04	7.74E-04	3.39E-04	3.39E-04
847	440697.7	3768180	0.004105	4.11E-03	4.63E-03	4.63E-03	7.76E-04	7.76E-04	3.39E-04	3.39E-04
848	440705.3	3768162	0.004122	4.12E-03	4.65E-03	4.65E-03	7.79E-04	7.79E-04	3.41E-04	3.41E-04
849	440709.1	3768153	0.004127	4.13E-03	4.65E-03	4.65E-03	7.80E-04	7.80E-04	3.41E-04	3.41E-04
850	440712.9	3768144	0.00413	4.13E-03	4.66E-03	4.66E-03	7.81E-04	7.81E-04	3.41E-04	3.41E-04
851	440716.7	3768135	0.004131	4.13E-03	4.66E-03	4.66E-03	7.81E-04	7.81E-04	3.42E-04	3.42E-04
852	440720.5	3768126	0.00413	4.13E-03	4.66E-03	4.66E-03	7.81E-04	7.81E-04	3.41E-04	3.41E-04
853	440724.3	3768117	0.004127	4.13E-03	4.65E-03	4.65E-03	7.80E-04	7.80E-04	3.41E-04	3.41E-04
854	440728.1	3768108	0.004121	4.12E-03	4.65E-03	4.65E-03	7.79E-04	7.79E-04	3.41E-04	3.41E-04
855	440731.9	3768099	0.004114	4.11E-03	4.64E-03	4.64E-03	7.78E-04	7.78E-04	3.40E-04	3.40E-04
856	440735.7	3768090	0.004105	4.11E-03	4.63E-03	4.63E-03	7.76E-04	7.76E-04	3.39E-04	3.39E-04
857	440739.5	3768081	0.004097	4.10E-03	4.62E-03	4.62E-03	7.75E-04	7.75E-04	3.39E-04	3.39E-04
858	440743.3	3768072	0.004088	4.09E-03	4.61E-03	4.61E-03	7.73E-04	7.73E-04	3.38E-04	3.38E-04
859	440747.1	3768063	0.004077	4.08E-03	4.60E-03	4.60E-03	7.71E-04	7.71E-04	3.37E-04	3.37E-04
860	440758.5	3768035	0.004019	4.02E-03	4.53E-03	4.53E-03	7.60E-04	7.60E-04	3.32E-04	3.32E-04
861	440762.3	3768026	0.003993	3.99E-03	4.50E-03	4.50E-03	7.55E-04	7.55E-04	3.30E-04	3.30E-04

862	440766.1	3768017	0.003963	3.96E-03	4.47E-03	4.47E-03	7.49E-04	7.49E-04	3.28E-04	3.28E-04
863	440769.9	3768008	0.003933	3.93E-03	4.43E-03	4.43E-03	7.44E-04	7.44E-04	3.25E-04	3.25E-04
864	440796.5	3767945	0.003678	3.68E-03	4.15E-03	4.15E-03	6.95E-04	6.95E-04	3.04E-04	3.04E-04
865	440616	3768279	0.00356	3.56E-03	4.01E-03	4.01E-03	6.73E-04	6.73E-04	2.94E-04	2.94E-04
866	440619.8	3768270	0.003584	3.58E-03	4.04E-03	4.04E-03	6.78E-04	6.78E-04	2.96E-04	2.96E-04
867	440623.6	3768261	0.003616	3.62E-03	4.08E-03	4.08E-03	6.84E-04	6.84E-04	2.99E-04	2.99E-04
868	440627.4	3768252	0.003646	3.65E-03	4.11E-03	4.11E-03	6.89E-04	6.89E-04	3.01E-04	3.01E-04
869	440631.3	3768243	0.003676	3.68E-03	4.14E-03	4.14E-03	6.95E-04	6.95E-04	3.04E-04	3.04E-04
870	440635.1	3768234	0.003699	3.70E-03	4.17E-03	4.17E-03	6.99E-04	6.99E-04	3.06E-04	3.06E-04
871	440638.9	3768225	0.003719	3.72E-03	4.19E-03	4.19E-03	7.03E-04	7.03E-04	3.08E-04	3.08E-04
872	440642.7	3768215	0.003736	3.74E-03	4.21E-03	4.21E-03	7.06E-04	7.06E-04	3.09E-04	3.09E-04
873	440646.5	3768206	0.003751	3.75E-03	4.23E-03	4.23E-03	7.09E-04	7.09E-04	3.10E-04	3.10E-04
874	440650.3	3768197	0.003765	3.77E-03	4.24E-03	4.24E-03	7.12E-04	7.12E-04	3.11E-04	3.11E-04
875	440654.1	3768188	0.003777	3.78E-03	4.26E-03	4.26E-03	7.14E-04	7.14E-04	3.12E-04	3.12E-04
876	440657.9	3768179	0.003787	3.79E-03	4.27E-03	4.27E-03	7.16E-04	7.16E-04	3.13E-04	3.13E-04
877	440665.5	3768161	0.003803	3.80E-03	4.29E-03	4.29E-03	7.19E-04	7.19E-04	3.14E-04	3.14E-04
878	440669.3	3768152	0.003808	3.81E-03	4.29E-03	4.29E-03	7.20E-04	7.20E-04	3.15E-04	3.15E-04
879	440673.1	3768143	0.003817	3.82E-03	4.30E-03	4.30E-03	7.22E-04	7.22E-04	3.16E-04	3.16E-04
880	440676.9	3768134	0.003825	3.83E-03	4.31E-03	4.31E-03	7.23E-04	7.23E-04	3.16E-04	3.16E-04
881	440680.8	3768125	0.003831	3.83E-03	4.32E-03	4.32E-03	7.24E-04	7.24E-04	3.17E-04	3.17E-04
882	440684.6	3768116	0.003835	3.84E-03	4.32E-03	4.32E-03	7.25E-04	7.25E-04	3.17E-04	3.17E-04
883	440688.4	3768107	0.003838	3.84E-03	4.33E-03	4.33E-03	7.26E-04	7.26E-04	3.17E-04	3.17E-04
884	440692.2	3768098	0.003838	3.84E-03	4.33E-03	4.33E-03	7.26E-04	7.26E-04	3.17E-04	3.17E-04
885	440696	3768089	0.003837	3.84E-03	4.33E-03	4.33E-03	7.25E-04	7.25E-04	3.17E-04	3.17E-04
886	440699.8	3768080	0.003834	3.83E-03	4.32E-03	4.32E-03	7.25E-04	7.25E-04	3.17E-04	3.17E-04
887	440703.6	3768071	0.003828	3.83E-03	4.31E-03	4.31E-03	7.24E-04	7.24E-04	3.17E-04	3.17E-04
888	440707.4	3768062	0.003822	3.82E-03	4.31E-03	4.31E-03	7.23E-04	7.23E-04	3.16E-04	3.16E-04
889	440715	3768043	0.003803	3.80E-03	4.29E-03	4.29E-03	7.19E-04	7.19E-04	3.14E-04	3.14E-04
890	440718.8	3768034	0.00379	3.79E-03	4.27E-03	4.27E-03	7.16E-04	7.16E-04	3.13E-04	3.13E-04
891	440722.6	3768025	0.003775	3.78E-03	4.26E-03	4.26E-03	7.14E-04	7.14E-04	3.12E-04	3.12E-04
892	440726.4	3768016	0.003756	3.76E-03	4.23E-03	4.23E-03	7.10E-04	7.10E-04	3.11E-04	3.11E-04
893	440730.3	3768007	0.003734	3.73E-03	4.21E-03	4.21E-03	7.06E-04	7.06E-04	3.09E-04	3.09E-04
894	441356.9	3768371	0.01587	1.59E-02	1.79E-02	1.79E-02	3.00E-03	3.00E-03	1.31E-03	1.31E-03
895	441298.5	3768372	0.01705	1.71E-02	1.92E-02	1.92E-02	3.22E-03	3.22E-03	1.41E-03	1.41E-03
896	441356.7	3768331	0.0126	1.26E-02	1.42E-02	1.42E-02	2.38E-03	2.38E-03	1.04E-03	1.04E-03
897	441298	3768272	0.01011	1.01E-02	1.14E-02	1.14E-02	1.91E-03	1.91E-03	8.36E-04	8.36E-04
898	441288.3	3768272	0.01023	1.02E-02	1.15E-02	1.15E-02	1.93E-03	1.93E-03	8.46E-04	8.46E-04
899	441278.5	3768272	0.01034	1.03E-02	1.17E-02	1.17E-02	1.95E-03	1.95E-03	8.55E-04	8.55E-04
900	441268.8	3768272	0.01044	1.04E-02	1.18E-02	1.18E-02	1.97E-03	1.97E-03	8.63E-04	8.63E-04
901	441259.1	3768272	0.01055	1.06E-02	1.19E-02	1.19E-02	1.99E-03	1.99E-03	8.72E-04	8.72E-04
902	441384.4	3768235	0.007382	7.38E-03	8.32E-03	8.32E-03	1.40E-03	1.40E-03	6.10E-04	6.10E-04
903	441375.7	3768231	0.007382	7.38E-03	8.32E-03	8.32E-03	1.40E-03	1.40E-03	6.10E-04	6.10E-04
904	441365.9	3768231	0.00751	7.51E-03	8.47E-03	8.47E-03	1.42E-03	1.42E-03	6.21E-04	6.21E-04
905	441356.2	3768231	0.007645	7.65E-03	8.62E-03	8.62E-03	1.45E-03	1.45E-03	6.32E-04	6.32E-04
906	441297.8	3768232	0.008527	8.53E-03	9.61E-03	9.61E-03	1.61E-03	1.61E-03	7.05E-04	7.05E-04
907	441288.1	3768232	0.008666	8.67E-03	9.77E-03	9.77E-03	1.64E-03	1.64E-03	7.17E-04	7.17E-04
908	441278.4	3768232	0.008797	8.80E-03	9.92E-03	9.92E-03	1.66E-03	1.66E-03	7.27E-04	7.27E-04
909	441268.6	3768232	0.008915	8.92E-03	1.00E-02	1.00E-02	1.69E-03	1.69E-03	7.37E-04	7.37E-04
910	441258.9	3768232	0.009	9.00E-03	1.01E-02	1.01E-02	1.70E-03	1.70E-03	7.44E-04	7.44E-04
911	441384.3	3768195	0.006288	6.29E-03	7.09E-03	7.09E-03	1.19E-03	1.19E-03	5.20E-04	5.20E-04
912	441375.5	3768191	0.006298	6.30E-03	7.10E-03	7.10E-03	1.19E-03	1.19E-03	5.21E-04	5.21E-04
913	441365.8	3768191	0.006401	6.40E-03	7.22E-03	7.22E-03	1.21E-03	1.21E-03	5.29E-04	5.29E-04
914	441356	3768191	0.006507	6.51E-03	7.33E-03	7.33E-03	1.23E-03	1.23E-03	5.38E-04	5.38E-04
915	441297.6	3768192	0.007258	7.26E-03	8.18E-03	8.18E-03	1.37E-03	1.37E-03	6.00E-04	6.00E-04
916	441287.9	3768192	0.007391	7.39E-03	8.33E-03	8.33E-03	1.40E-03	1.40E-03	6.11E-04	6.11E-04
917	441278.2	3768192	0.007518	7.52E-03	8.47E-03	8.47E-03	1.42E-03	1.42E-03	6.22E-04	6.22E-04
918	441268.4	3768192	0.007637	7.64E-03	8.61E-03	8.61E-03	1.44E-03	1.44E-03	6.31E-04	6.31E-04
919	441258.7	3768192	0.007738	7.74E-03	8.72E-03	8.72E-03	1.46E-03	1.46E-03	6.40E-04	6.40E-04
920	441384.2	3768155	0.005406	5.41E-03	6.09E-03	6.09E-03	1.02E-03	1.02E-03	4.47E-04	4.47E-04
921	441375.3	3768151	0.005418	5.42E-03	6.11E-03	6.11E-03	1.02E-03	1.02E-03	4.48E-04	4.48E-04
922	441365.6	3768151	0.005515	5.52E-03	6.22E-03	6.22E-03	1.04E-03	1.04E-03	4.56E-04	4.56E-04
923	441355.8	3768151	0.005605	5.61E-03	6.32E-03	6.32E-03	1.06E-03	1.06E-03	4.63E-04	4.63E-04
924	441297.5	3768152	0.006179	6.18E-03	6.97E-03	6.97E-03	1.17E-03	1.17E-03	5.11E-04	5.11E-04
925	441287.7	3768152	0.006309	6.31E-03	7.11E-03	7.11E-03	1.19E-03	1.19E-03	5.22E-04	5.22E-04
926	441278	3768152	0.006435	6.44E-03	7.25E-03	7.25E-03	1.22E-03	1.22E-03	5.32E-04	5.32E-04
927	441268.3	3768152	0.006555	6.56E-03	7.39E-03	7.39E-03	1.24E-03	1.24E-03	5.42E-04	5.42E-04
928	441258.5	3768152	0.006669	6.67E-03	7.52E-03	7.52E-03	1.26E-03	1.26E-03	5.51E-04	5.51E-04
929	441384.1	3768115	0.004688	4.69E-03	5.28E-03	5.28E-03	8.86E-04	8.86E-04	3.88E-04	3.88E-04
930	441375.1	3768111	0.00472	4.72E-03	5.32E-03	5.32E-03	8.92E-04	8.92E-04	3.90E-04	3.90E-04
931	441365.4	3768111	0.004808	4.81E-03	5.42E-03	5.42E-03	9.09E-04	9.09E-04	3.98E-04	3.98E-04
932	441355.7	3768111	0.004895	4.90E-03	5.52E-03	5.52E-03	9.25E-04	9.25E-04	4.05E-04	4.05E-04
933	441297.3	3768112	0.005405	5.41E-03	6.09E-03	6.09E-03	1.02E-03	1.02E-03	4.47E-04	4.47E-04

934	441287.5	3768112	0.005507	5.51E-03	6.21E-03	6.21E-03	1.04E-03	1.04E-03	4.55E-04	4.55E-04
935	441277.8	3768112	0.005606	5.61E-03	6.32E-03	6.32E-03	1.06E-03	1.06E-03	4.64E-04	4.64E-04
936	441268.1	3768112	0.005701	5.70E-03	6.43E-03	6.43E-03	1.08E-03	1.08E-03	4.71E-04	4.71E-04
937	441258.3	3768112	0.005791	5.79E-03	6.53E-03	6.53E-03	1.09E-03	1.09E-03	4.79E-04	4.79E-04
938	441383.7	3768075	0.004222	4.22E-03	4.76E-03	4.76E-03	7.98E-04	7.98E-04	3.49E-04	3.49E-04
939	441374.9	3768071	0.004246	4.25E-03	4.79E-03	4.79E-03	8.03E-04	8.03E-04	3.51E-04	3.51E-04
940	441365.2	3768071	0.004313	4.31E-03	4.86E-03	4.86E-03	8.15E-04	8.15E-04	3.57E-04	3.57E-04
941	441355.5	3768071	0.00438	4.38E-03	4.94E-03	4.94E-03	8.28E-04	8.28E-04	3.62E-04	3.62E-04
942	441297.1	3768072	0.004782	4.78E-03	5.39E-03	5.39E-03	9.04E-04	9.04E-04	3.95E-04	3.95E-04
943	441287.4	3768072	0.004882	4.88E-03	5.50E-03	5.50E-03	9.23E-04	9.23E-04	4.04E-04	4.04E-04
944	441277.6	3768072	0.004979	4.98E-03	5.61E-03	5.61E-03	9.41E-04	9.41E-04	4.12E-04	4.12E-04
945	441267.9	3768072	0.005068	5.07E-03	5.71E-03	5.71E-03	9.58E-04	9.58E-04	4.19E-04	4.19E-04
946	441258.2	3768072	0.005139	5.14E-03	5.79E-03	5.79E-03	9.72E-04	9.72E-04	4.25E-04	4.25E-04
947	441262	3768392	0.01971	1.97E-02	2.22E-02	2.22E-02	3.73E-03	3.73E-03	1.63E-03	1.63E-03
948	441253.7	3768372	0.01765	1.77E-02	1.99E-02	1.99E-02	3.34E-03	3.34E-03	1.46E-03	1.46E-03
949	441253.8	3768352	0.01586	1.59E-02	1.79E-02	1.79E-02	3.00E-03	3.00E-03	1.31E-03	1.31E-03
950	441253.9	3768332	0.01425	1.43E-02	1.61E-02	1.61E-02	2.69E-03	2.69E-03	1.18E-03	1.18E-03
951	441254.1	3768312	0.01287	1.29E-02	1.45E-02	1.45E-02	2.43E-03	2.43E-03	1.06E-03	1.06E-03
952	441172.8	3768782	0.02126	2.13E-02	2.40E-02	2.40E-02	4.02E-03	4.02E-03	1.76E-03	1.76E-03
953	441172.8	3768792	0.01953	1.95E-02	2.20E-02	2.20E-02	3.69E-03	3.69E-03	1.61E-03	1.61E-03
954	441152.8	3768782	0.01795	1.80E-02	2.02E-02	2.02E-02	3.39E-03	3.39E-03	1.48E-03	1.48E-03
955	441152.8	3768792	0.0167	1.67E-02	1.88E-02	1.88E-02	3.16E-03	3.16E-03	1.38E-03	1.38E-03
956	441132.8	3768782	0.01547	1.55E-02	1.74E-02	1.74E-02	2.92E-03	2.92E-03	1.28E-03	1.28E-03
957	441132.8	3768792	0.01451	1.45E-02	1.64E-02	1.64E-02	2.74E-03	2.74E-03	1.20E-03	1.20E-03
958	441112.8	3768782	0.01354	1.35E-02	1.53E-02	1.53E-02	2.56E-03	2.56E-03	1.12E-03	1.12E-03
959	441112.8	3768792	0.01277	1.28E-02	1.44E-02	1.44E-02	2.41E-03	2.41E-03	1.06E-03	1.06E-03
960	441092.8	3768782	0.01199	1.20E-02	1.35E-02	1.35E-02	2.27E-03	2.27E-03	9.91E-04	9.91E-04
961	441092.8	3768792	0.01137	1.14E-02	1.28E-02	1.28E-02	2.15E-03	2.15E-03	9.40E-04	9.40E-04
962	441120	3768466	0.02007	2.01E-02	2.26E-02	2.26E-02	3.79E-03	3.79E-03	1.66E-03	1.66E-03
963	441128.9	3768463	0.02059	2.06E-02	2.32E-02	2.32E-02	3.89E-03	3.89E-03	1.70E-03	1.70E-03
964	441095.1	3768417	0.01553	1.55E-02	1.75E-02	1.75E-02	2.94E-03	2.94E-03	1.28E-03	1.28E-03
965	441104	3768413	0.01578	1.58E-02	1.78E-02	1.78E-02	2.98E-03	2.98E-03	1.30E-03	1.30E-03
966	441112.8	3768410	0.01599	1.60E-02	1.80E-02	1.80E-02	3.02E-03	3.02E-03	1.32E-03	1.32E-03
967	441156.8	3768392	0.01697	1.70E-02	1.91E-02	1.91E-02	3.21E-03	3.21E-03	1.40E-03	1.40E-03
968	441209.7	3768370	0.01694	1.69E-02	1.91E-02	1.91E-02	3.20E-03	3.20E-03	1.40E-03	1.40E-03
969	441236.2	3768359	0.01645	1.65E-02	1.85E-02	1.85E-02	3.11E-03	3.11E-03	1.36E-03	1.36E-03
970	441013.4	3768513	0.01315	1.32E-02	1.48E-02	1.48E-02	2.49E-03	2.49E-03	1.09E-03	1.09E-03
971	441017.2	3768504	0.01333	1.33E-02	1.50E-02	1.50E-02	2.52E-03	2.52E-03	1.10E-03	1.10E-03
972	441063.6	3768410	0.01373	1.37E-02	1.55E-02	1.55E-02	2.60E-03	2.60E-03	1.14E-03	1.14E-03
973	441072.7	3768406	0.01402	1.40E-02	1.58E-02	1.58E-02	2.65E-03	2.65E-03	1.16E-03	1.16E-03
974	441099.9	3768395	0.01472	1.47E-02	1.66E-02	1.66E-02	2.78E-03	2.78E-03	1.22E-03	1.22E-03
975	441108.9	3768391	0.01489	1.49E-02	1.68E-02	1.68E-02	2.81E-03	2.81E-03	1.23E-03	1.23E-03
976	441118	3768387	0.01505	1.51E-02	1.70E-02	1.70E-02	2.85E-03	2.85E-03	1.24E-03	1.24E-03
977	441154.3	3768373	0.0156	1.56E-02	1.76E-02	1.76E-02	2.95E-03	2.95E-03	1.29E-03	1.29E-03
978	441163.3	3768369	0.01564	1.56E-02	1.76E-02	1.76E-02	2.96E-03	2.96E-03	1.29E-03	1.29E-03
979	441217.7	3768347	0.01524	1.52E-02	1.72E-02	1.72E-02	2.88E-03	2.88E-03	1.26E-03	1.26E-03
980	441226.7	3768343	0.01506	1.51E-02	1.70E-02	1.70E-02	2.85E-03	2.85E-03	1.25E-03	1.25E-03
981	441067.1	3768388	0.0132	1.32E-02	1.49E-02	1.49E-02	2.50E-03	2.50E-03	1.09E-03	1.09E-03
982	441076	3768385	0.01341	1.34E-02	1.51E-02	1.51E-02	2.54E-03	2.54E-03	1.11E-03	1.11E-03
983	441111.6	3768370	0.01404	1.40E-02	1.58E-02	1.58E-02	2.65E-03	2.65E-03	1.16E-03	1.16E-03
984	441120.5	3768366	0.01414	1.41E-02	1.59E-02	1.59E-02	2.67E-03	2.67E-03	1.17E-03	1.17E-03
985	441129.4	3768363	0.01426	1.43E-02	1.61E-02	1.61E-02	2.70E-03	2.70E-03	1.18E-03	1.18E-03
986	441165.1	3768348	0.01434	1.43E-02	1.62E-02	1.62E-02	2.71E-03	2.71E-03	1.19E-03	1.19E-03
987	441174	3768345	0.01429	1.43E-02	1.61E-02	1.61E-02	2.70E-03	2.70E-03	1.18E-03	1.18E-03
988	441209.6	3768330	0.01397	1.40E-02	1.57E-02	1.57E-02	2.64E-03	2.64E-03	1.16E-03	1.16E-03
989	441218.5	3768326	0.01381	1.38E-02	1.56E-02	1.56E-02	2.61E-03	2.61E-03	1.14E-03	1.14E-03
990	441227.4	3768323	0.01364	1.36E-02	1.54E-02	1.54E-02	2.58E-03	2.58E-03	1.13E-03	1.13E-03
991	441039.1	3768360	0.01158	1.16E-02	1.31E-02	1.31E-02	2.19E-03	2.19E-03	9.57E-04	9.57E-04
992	441048.1	3768356	0.01174	1.17E-02	1.32E-02	1.32E-02	2.22E-03	2.22E-03	9.71E-04	9.71E-04
993	441083.9	3768342	0.01224	1.22E-02	1.38E-02	1.38E-02	2.31E-03	2.31E-03	1.01E-03	1.01E-03
994	441092.9	3768338	0.01232	1.23E-02	1.39E-02	1.39E-02	2.33E-03	2.33E-03	1.02E-03	1.02E-03
995	441101.9	3768334	0.01238	1.24E-02	1.40E-02	1.40E-02	2.34E-03	2.34E-03	1.02E-03	1.02E-03
996	441128.8	3768323	0.01239	1.24E-02	1.40E-02	1.40E-02	2.34E-03	2.34E-03	1.02E-03	1.02E-03
997	441137.7	3768320	0.01233	1.23E-02	1.39E-02	1.39E-02	2.33E-03	2.33E-03	1.02E-03	1.02E-03
998	441182.6	3768301	0.01199	1.20E-02	1.35E-02	1.35E-02	2.27E-03	2.27E-03	9.91E-04	9.91E-04
999	441191.5	3768298	0.01191	1.19E-02	1.34E-02	1.34E-02	2.25E-03	2.25E-03	9.85E-04	9.85E-04
1000	441200.5	3768294	0.01182	1.18E-02	1.33E-02	1.33E-02	2.23E-03	2.23E-03	9.77E-04	9.77E-04
1001	441002	3768335	0.009997	1.00E-02	1.13E-02	1.13E-02	1.89E-03	1.89E-03	8.27E-04	8.27E-04
1002	441011	3768332	0.01018	1.02E-02	1.15E-02	1.15E-02	1.92E-03	1.92E-03	8.42E-04	8.42E-04
1003	441020	3768328	0.01035	1.04E-02	1.17E-02	1.17E-02	1.96E-03	1.96E-03	8.56E-04	8.56E-04
1004	441056.1	3768313	0.01083	1.08E-02	1.22E-02	1.22E-02	2.05E-03	2.05E-03	8.95E-04	8.95E-04
1005	441065.1	3768309	0.0109	1.09E-02	1.23E-02	1.23E-02	2.06E-03	2.06E-03	9.01E-04	9.01E-04

1006	441074.2	3768306	0.01094	1.09E-02	1.23E-02	1.23E-02	2.07E-03	2.07E-03	9.05E-04	9.05E-04
1007	441101.2	3768295	0.01096	1.10E-02	1.24E-02	1.24E-02	2.07E-03	2.07E-03	9.06E-04	9.06E-04
1008	441155.3	3768272	0.01054	1.05E-02	1.19E-02	1.19E-02	1.99E-03	1.99E-03	8.72E-04	8.72E-04
1009	441164.3	3768269	0.01048	1.05E-02	1.18E-02	1.18E-02	1.98E-03	1.98E-03	8.67E-04	8.67E-04
1010	441173.4	3768265	0.01041	1.04E-02	1.17E-02	1.17E-02	1.97E-03	1.97E-03	8.61E-04	8.61E-04
1011	441182.4	3768261	0.01032	1.03E-02	1.16E-02	1.16E-02	1.95E-03	1.95E-03	8.53E-04	8.53E-04
1012	441191.4	3768258	0.01021	1.02E-02	1.15E-02	1.15E-02	1.93E-03	1.93E-03	8.44E-04	8.44E-04
1013	441200.4	3768254	0.01008	1.01E-02	1.14E-02	1.14E-02	1.91E-03	1.91E-03	8.33E-04	8.33E-04
1014	441209.4	3768250	0.009936	9.94E-03	1.12E-02	1.12E-02	1.88E-03	1.88E-03	8.22E-04	8.22E-04
1015	441218.5	3768247	0.009769	9.77E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.08E-04	8.08E-04
1016	441227.5	3768243	0.009593	9.59E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.93E-04	7.93E-04
1017	440973.8	3768307	0.00882	8.82E-03	9.94E-03	9.94E-03	1.67E-03	1.67E-03	7.29E-04	7.29E-04
1018	440982.9	3768303	0.00898	8.98E-03	1.01E-02	1.01E-02	1.70E-03	1.70E-03	7.43E-04	7.43E-04
1019	440992	3768299	0.009136	9.14E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.55E-04	7.55E-04
1020	441037.3	3768281	0.009709	9.71E-03	1.09E-02	1.09E-02	1.84E-03	1.84E-03	8.03E-04	8.03E-04
1021	441046.3	3768277	0.009769	9.77E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.08E-04	8.08E-04
1022	441073.5	3768266	0.009828	9.83E-03	1.11E-02	1.11E-02	1.86E-03	1.86E-03	8.13E-04	8.13E-04
1023	441082.6	3768262	0.009808	9.81E-03	1.11E-02	1.11E-02	1.85E-03	1.85E-03	8.11E-04	8.11E-04
1024	441091.7	3768259	0.009776	9.78E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.08E-04	8.08E-04
1025	441127.9	3768244	0.009473	9.47E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.83E-04	7.83E-04
1026	441137	3768240	0.009409	9.41E-03	1.06E-02	1.06E-02	1.78E-03	1.78E-03	7.78E-04	7.78E-04
1027	441146	3768236	0.00934	9.34E-03	1.05E-02	1.05E-02	1.77E-03	1.77E-03	7.72E-04	7.72E-04
1028	441155.1	3768233	0.009268	9.27E-03	1.04E-02	1.04E-02	1.75E-03	1.75E-03	7.66E-04	7.66E-04
1029	441164.1	3768229	0.009193	9.19E-03	1.04E-02	1.04E-02	1.74E-03	1.74E-03	7.60E-04	7.60E-04
1030	441173.2	3768225	0.009108	9.11E-03	1.03E-02	1.03E-02	1.72E-03	1.72E-03	7.53E-04	7.53E-04
1031	441182.3	3768221	0.009006	9.01E-03	1.02E-02	1.02E-02	1.70E-03	1.70E-03	7.45E-04	7.45E-04
1032	441191.3	3768218	0.008882	8.88E-03	1.00E-02	1.00E-02	1.68E-03	1.68E-03	7.34E-04	7.34E-04
1033	441200.4	3768214	0.008748	8.75E-03	9.86E-03	9.86E-03	1.65E-03	1.65E-03	7.23E-04	7.23E-04
1034	441209.5	3768210	0.008606	8.61E-03	9.70E-03	9.70E-03	1.63E-03	1.63E-03	7.12E-04	7.12E-04
1035	441218.5	3768207	0.008461	8.46E-03	9.54E-03	9.54E-03	1.60E-03	1.60E-03	7.00E-04	7.00E-04
1036	441227.6	3768203	0.008307	8.31E-03	9.36E-03	9.36E-03	1.57E-03	1.57E-03	6.87E-04	6.87E-04
1037	440945.7	3768279	0.007897	7.90E-03	8.90E-03	8.90E-03	1.49E-03	1.49E-03	6.53E-04	6.53E-04
1038	440954.8	3768275	0.008	8.00E-03	9.02E-03	9.02E-03	1.51E-03	1.51E-03	6.61E-04	6.61E-04
1039	440963.9	3768271	0.008095	8.10E-03	9.12E-03	9.12E-03	1.53E-03	1.53E-03	6.69E-04	6.69E-04
1040	441000.3	3768256	0.008505	8.51E-03	9.59E-03	9.59E-03	1.61E-03	1.61E-03	7.03E-04	7.03E-04
1041	441009.4	3768252	0.008597	8.60E-03	9.69E-03	9.69E-03	1.63E-03	1.63E-03	7.11E-04	7.11E-04
1042	441018.5	3768249	0.008682	8.68E-03	9.79E-03	9.79E-03	1.64E-03	1.64E-03	7.18E-04	7.18E-04
1043	441045.8	3768238	0.008831	8.83E-03	9.95E-03	9.95E-03	1.67E-03	1.67E-03	7.30E-04	7.30E-04
1044	441054.8	3768234	0.00885	8.85E-03	9.98E-03	9.98E-03	1.67E-03	1.67E-03	7.32E-04	7.32E-04
1045	441063.9	3768230	0.00885	8.85E-03	9.98E-03	9.98E-03	1.67E-03	1.67E-03	7.32E-04	7.32E-04
1046	441091.2	3768219	0.00874	8.74E-03	9.85E-03	9.85E-03	1.65E-03	1.65E-03	7.23E-04	7.23E-04
1047	441100.3	3768215	0.008673	8.67E-03	9.78E-03	9.78E-03	1.64E-03	1.64E-03	7.17E-04	7.17E-04
1048	441109.4	3768211	0.008601	8.60E-03	9.70E-03	9.70E-03	1.63E-03	1.63E-03	7.11E-04	7.11E-04
1049	441118.5	3768208	0.008507	8.51E-03	9.59E-03	9.59E-03	1.61E-03	1.61E-03	7.03E-04	7.03E-04
1050	441127.6	3768204	0.008413	8.41E-03	9.48E-03	9.48E-03	1.59E-03	1.59E-03	6.96E-04	6.96E-04
1051	441136.7	3768200	0.008327	8.33E-03	9.39E-03	9.39E-03	1.57E-03	1.57E-03	6.89E-04	6.89E-04
1052	441145.8	3768197	0.008248	8.25E-03	9.30E-03	9.30E-03	1.56E-03	1.56E-03	6.82E-04	6.82E-04
1053	441154.9	3768193	0.008177	8.18E-03	9.22E-03	9.22E-03	1.55E-03	1.55E-03	6.76E-04	6.76E-04
1054	441164	3768189	0.008103	8.10E-03	9.13E-03	9.13E-03	1.53E-03	1.53E-03	6.70E-04	6.70E-04
1055	441173.1	3768185	0.008023	8.02E-03	9.04E-03	9.04E-03	1.52E-03	1.52E-03	6.63E-04	6.63E-04
1056	441182.2	3768182	0.00793	7.93E-03	8.94E-03	8.94E-03	1.50E-03	1.50E-03	6.56E-04	6.56E-04
1057	441191.3	3768178	0.007811	7.81E-03	8.80E-03	8.80E-03	1.48E-03	1.48E-03	6.46E-04	6.46E-04
1058	441200.4	3768174	0.007687	7.69E-03	8.66E-03	8.66E-03	1.45E-03	1.45E-03	6.36E-04	6.36E-04
1059	441209.5	3768170	0.00756	7.56E-03	8.52E-03	8.52E-03	1.43E-03	1.43E-03	6.25E-04	6.25E-04
1060	441218.6	3768167	0.007408	7.41E-03	8.35E-03	8.35E-03	1.40E-03	1.40E-03	6.13E-04	6.13E-04
1061	441227.7	3768163	0.007246	7.25E-03	8.17E-03	8.17E-03	1.37E-03	1.37E-03	5.99E-04	5.99E-04
1062	440917.5	3768250	0.007058	7.06E-03	7.96E-03	7.96E-03	1.33E-03	1.33E-03	5.84E-04	5.84E-04
1063	440926.6	3768246	0.007151	7.15E-03	8.06E-03	8.06E-03	1.35E-03	1.35E-03	5.91E-04	5.91E-04
1064	440935.7	3768243	0.007236	7.24E-03	8.16E-03	8.16E-03	1.37E-03	1.37E-03	5.98E-04	5.98E-04
1065	440972.3	3768228	0.00751	7.51E-03	8.47E-03	8.47E-03	1.42E-03	1.42E-03	6.21E-04	6.21E-04
1066	440981.4	3768224	0.007591	7.59E-03	8.56E-03	8.56E-03	1.44E-03	1.44E-03	6.28E-04	6.28E-04
1067	440990.5	3768220	0.007667	7.67E-03	8.64E-03	8.64E-03	1.45E-03	1.45E-03	6.34E-04	6.34E-04
1068	441017.9	3768209	0.007857	7.86E-03	8.86E-03	8.86E-03	1.49E-03	1.49E-03	6.50E-04	6.50E-04
1069	441027	3768205	0.007898	7.90E-03	8.90E-03	8.90E-03	1.49E-03	1.49E-03	6.53E-04	6.53E-04
1070	441036.2	3768202	0.007916	7.92E-03	8.92E-03	8.92E-03	1.50E-03	1.50E-03	6.55E-04	6.55E-04
1071	441063.5	3768190	0.007868	7.87E-03	8.87E-03	8.87E-03	1.49E-03	1.49E-03	6.51E-04	6.51E-04
1072	441072.7	3768187	0.0078	7.80E-03	8.79E-03	8.79E-03	1.47E-03	1.47E-03	6.45E-04	6.45E-04
1073	441081.8	3768183	0.007713	7.71E-03	8.69E-03	8.69E-03	1.46E-03	1.46E-03	6.38E-04	6.38E-04
1074	441090.9	3768179	0.007611	7.61E-03	8.58E-03	8.58E-03	1.44E-03	1.44E-03	6.29E-04	6.29E-04
1075	441100.1	3768175	0.007525	7.53E-03	8.48E-03	8.48E-03	1.42E-03	1.42E-03	6.22E-04	6.22E-04
1076	441109.2	3768172	0.007433	7.43E-03	8.38E-03	8.38E-03	1.41E-03	1.41E-03	6.15E-04	6.15E-04
1077	441118.3	3768168	0.007337	7.34E-03	8.27E-03	8.27E-03	1.39E-03	1.39E-03	6.07E-04	6.07E-04

1078	441127.4	3768164	0.007294	7.29E-03	8.22E-03	8.22E-03	1.38E-03	1.38E-03	6.03E-04	6.03E-04
1079	441136.6	3768160	0.007262	7.26E-03	8.19E-03	8.19E-03	1.37E-03	1.37E-03	6.00E-04	6.00E-04
1080	441145.7	3768157	0.007226	7.23E-03	8.15E-03	8.15E-03	1.37E-03	1.37E-03	5.97E-04	5.97E-04
1081	441154.8	3768153	0.007178	7.18E-03	8.09E-03	8.09E-03	1.36E-03	1.36E-03	5.94E-04	5.94E-04
1082	441164	3768149	0.007119	7.12E-03	8.02E-03	8.02E-03	1.35E-03	1.35E-03	5.89E-04	5.89E-04
1083	441173.1	3768145	0.007049	7.05E-03	7.95E-03	7.95E-03	1.33E-03	1.33E-03	5.83E-04	5.83E-04
1084	441182.2	3768142	0.006961	6.96E-03	7.85E-03	7.85E-03	1.32E-03	1.32E-03	5.76E-04	5.76E-04
1085	441191.3	3768138	0.006849	6.85E-03	7.72E-03	7.72E-03	1.29E-03	1.29E-03	5.66E-04	5.66E-04
1086	441200.5	3768134	0.006733	6.73E-03	7.59E-03	7.59E-03	1.27E-03	1.27E-03	5.57E-04	5.57E-04
1087	441209.6	3768130	0.006614	6.61E-03	7.46E-03	7.46E-03	1.25E-03	1.25E-03	5.47E-04	5.47E-04
1088	441218.7	3768127	0.006456	6.46E-03	7.28E-03	7.28E-03	1.22E-03	1.22E-03	5.34E-04	5.34E-04
1089	440889.3	3768222	0.006341	6.34E-03	7.15E-03	7.15E-03	1.20E-03	1.20E-03	5.24E-04	5.24E-04
1090	440898.5	3768218	0.006415	6.42E-03	7.23E-03	7.23E-03	1.21E-03	1.21E-03	5.30E-04	5.30E-04
1091	440907.6	3768214	0.006484	6.48E-03	7.31E-03	7.31E-03	1.23E-03	1.23E-03	5.36E-04	5.36E-04
1092	440944.2	3768199	0.006678	6.68E-03	7.53E-03	7.53E-03	1.26E-03	1.26E-03	5.52E-04	5.52E-04
1093	440953.4	3768196	0.006739	6.74E-03	7.60E-03	7.60E-03	1.27E-03	1.27E-03	5.57E-04	5.57E-04
1094	440962.5	3768192	0.006796	6.80E-03	7.66E-03	7.66E-03	1.28E-03	1.28E-03	5.62E-04	5.62E-04
1095	440990	3768181	0.006951	6.95E-03	7.84E-03	7.84E-03	1.31E-03	1.31E-03	5.75E-04	5.75E-04
1096	440999.2	3768177	0.006989	6.99E-03	7.88E-03	7.88E-03	1.32E-03	1.32E-03	5.78E-04	5.78E-04
1097	441008.3	3768173	0.007026	7.03E-03	7.92E-03	7.92E-03	1.33E-03	1.33E-03	5.81E-04	5.81E-04
1098	441035.8	3768162	0.007044	7.04E-03	7.94E-03	7.94E-03	1.33E-03	1.33E-03	5.82E-04	5.82E-04
1099	441044.9	3768158	0.007005	7.01E-03	7.90E-03	7.90E-03	1.32E-03	1.32E-03	5.79E-04	5.79E-04
1100	441054.1	3768154	0.006955	6.96E-03	7.84E-03	7.84E-03	1.31E-03	1.31E-03	5.75E-04	5.75E-04
1101	441063.2	3768151	0.006884	6.88E-03	7.76E-03	7.76E-03	1.30E-03	1.30E-03	5.69E-04	5.69E-04
1102	441072.4	3768147	0.006811	6.81E-03	7.68E-03	7.68E-03	1.29E-03	1.29E-03	5.63E-04	5.63E-04
1103	441081.5	3768143	0.006738	6.74E-03	7.60E-03	7.60E-03	1.27E-03	1.27E-03	5.57E-04	5.57E-04
1104	441090.7	3768139	0.006663	6.66E-03	7.51E-03	7.51E-03	1.26E-03	1.26E-03	5.51E-04	5.51E-04
1105	441099.9	3768136	0.006618	6.62E-03	7.46E-03	7.46E-03	1.25E-03	1.25E-03	5.47E-04	5.47E-04
1106	441109	3768132	0.006566	6.57E-03	7.40E-03	7.40E-03	1.24E-03	1.24E-03	5.43E-04	5.43E-04
1107	441118.2	3768128	0.006508	6.51E-03	7.34E-03	7.34E-03	1.23E-03	1.23E-03	5.38E-04	5.38E-04
1108	441127.3	3768124	0.006478	6.48E-03	7.30E-03	7.30E-03	1.22E-03	1.22E-03	5.36E-04	5.36E-04
1109	441136.5	3768121	0.006442	6.44E-03	7.26E-03	7.26E-03	1.22E-03	1.22E-03	5.33E-04	5.33E-04
1110	441145.6	3768117	0.006392	6.39E-03	7.21E-03	7.21E-03	1.21E-03	1.21E-03	5.29E-04	5.29E-04
1111	441154.8	3768113	0.006331	6.33E-03	7.14E-03	7.14E-03	1.20E-03	1.20E-03	5.23E-04	5.23E-04
1112	441163.9	3768109	0.006261	6.26E-03	7.06E-03	7.06E-03	1.18E-03	1.18E-03	5.18E-04	5.18E-04
1113	441173.1	3768106	0.006183	6.18E-03	6.97E-03	6.97E-03	1.17E-03	1.17E-03	5.11E-04	5.11E-04
1114	441182.2	3768102	0.006095	6.10E-03	6.87E-03	6.87E-03	1.15E-03	1.15E-03	5.04E-04	5.04E-04
1115	441191.4	3768098	0.005995	6.00E-03	6.76E-03	6.76E-03	1.13E-03	1.13E-03	4.96E-04	4.96E-04
1116	441200.6	3768094	0.005891	5.89E-03	6.64E-03	6.64E-03	1.11E-03	1.11E-03	4.87E-04	4.87E-04
1117	441209.7	3768091	0.005786	5.79E-03	6.52E-03	6.52E-03	1.09E-03	1.09E-03	4.78E-04	4.78E-04
1118	441246.3	3768076	0.00528	5.28E-03	5.95E-03	5.95E-03	9.98E-04	9.98E-04	4.37E-04	4.37E-04
1119	440870.3	3768190	0.005802	5.80E-03	6.54E-03	6.54E-03	1.10E-03	1.10E-03	4.80E-04	4.80E-04
1120	440879.5	3768186	0.005845	5.85E-03	6.59E-03	6.59E-03	1.10E-03	1.10E-03	4.83E-04	4.83E-04
1121	440916.2	3768171	0.006015	6.02E-03	6.78E-03	6.78E-03	1.14E-03	1.14E-03	4.97E-04	4.97E-04
1122	440925.3	3768167	0.006061	6.06E-03	6.83E-03	6.83E-03	1.15E-03	1.15E-03	5.01E-04	5.01E-04
1123	440934.5	3768163	0.006106	6.11E-03	6.88E-03	6.88E-03	1.15E-03	1.15E-03	5.05E-04	5.05E-04
1124	440962.1	3768152	0.006255	6.26E-03	7.05E-03	7.05E-03	1.18E-03	1.18E-03	5.17E-04	5.17E-04
1125	440971.2	3768148	0.0063	6.30E-03	7.10E-03	7.10E-03	1.19E-03	1.19E-03	5.21E-04	5.21E-04
1126	440980.4	3768145	0.006331	6.33E-03	7.14E-03	7.14E-03	1.20E-03	1.20E-03	5.23E-04	5.23E-04
1127	441007.9	3768133	0.00637	6.37E-03	7.18E-03	7.18E-03	1.20E-03	1.20E-03	5.27E-04	5.27E-04
1128	441017.1	3768130	0.006358	6.36E-03	7.17E-03	7.17E-03	1.20E-03	1.20E-03	5.26E-04	5.26E-04
1129	441026.3	3768126	0.006336	6.34E-03	7.14E-03	7.14E-03	1.20E-03	1.20E-03	5.24E-04	5.24E-04
1130	441035.5	3768122	0.006313	6.31E-03	7.12E-03	7.12E-03	1.19E-03	1.19E-03	5.22E-04	5.22E-04
1131	441044.6	3768118	0.006293	6.29E-03	7.09E-03	7.09E-03	1.19E-03	1.19E-03	5.20E-04	5.20E-04
1132	441053.8	3768115	0.006266	6.27E-03	7.06E-03	7.06E-03	1.18E-03	1.18E-03	5.18E-04	5.18E-04
1133	441063	3768111	0.006225	6.23E-03	7.02E-03	7.02E-03	1.18E-03	1.18E-03	5.15E-04	5.15E-04
1134	441072.2	3768107	0.00617	6.17E-03	6.95E-03	6.95E-03	1.17E-03	1.17E-03	5.10E-04	5.10E-04
1135	441081.4	3768103	0.006118	6.12E-03	6.90E-03	6.90E-03	1.16E-03	1.16E-03	5.06E-04	5.06E-04
1136	441090.5	3768099	0.006068	6.07E-03	6.84E-03	6.84E-03	1.15E-03	1.15E-03	5.02E-04	5.02E-04
1137	441099.7	3768096	0.006017	6.02E-03	6.78E-03	6.78E-03	1.14E-03	1.14E-03	4.98E-04	4.98E-04
1138	441108.9	3768092	0.00596	5.96E-03	6.72E-03	6.72E-03	1.13E-03	1.13E-03	4.93E-04	4.93E-04
1139	441118.1	3768088	0.005893	5.89E-03	6.64E-03	6.64E-03	1.11E-03	1.11E-03	4.87E-04	4.87E-04
1140	441127.2	3768084	0.005825	5.83E-03	6.57E-03	6.57E-03	1.10E-03	1.10E-03	4.82E-04	4.82E-04
1141	441136.4	3768081	0.005757	5.76E-03	6.49E-03	6.49E-03	1.09E-03	1.09E-03	4.76E-04	4.76E-04
1142	441145.6	3768077	0.005688	5.69E-03	6.41E-03	6.41E-03	1.08E-03	1.08E-03	4.70E-04	4.70E-04
1143	441154.8	3768073	0.005616	5.62E-03	6.33E-03	6.33E-03	1.06E-03	1.06E-03	4.64E-04	4.64E-04
1144	441163.9	3768069	0.005539	5.54E-03	6.24E-03	6.24E-03	1.05E-03	1.05E-03	4.58E-04	4.58E-04
1145	441173.1	3768066	0.005458	5.46E-03	6.15E-03	6.15E-03	1.03E-03	1.03E-03	4.51E-04	4.51E-04
1146	441182.3	3768062	0.005371	5.37E-03	6.05E-03	6.05E-03	1.02E-03	1.02E-03	4.44E-04	4.44E-04
1147	441191.5	3768058	0.005281	5.28E-03	5.95E-03	5.95E-03	9.98E-04	9.98E-04	4.37E-04	4.37E-04
1148	440842.1	3768161	0.005323	5.32E-03	6.00E-03	6.00E-03	1.01E-03	1.01E-03	4.40E-04	4.40E-04
1149	440851.3	3768158	0.00537	5.37E-03	6.05E-03	6.05E-03	1.02E-03	1.02E-03	4.44E-04	4.44E-04

1150	440888.1	3768143	0.005519	5.52E-03	6.22E-03	6.22E-03	1.04E-03	1.04E-03	4.56E-04	4.56E-04
1151	440897.3	3768139	0.005563	5.56E-03	6.27E-03	6.27E-03	1.05E-03	1.05E-03	4.60E-04	4.60E-04
1152	440906.5	3768135	0.005605	5.61E-03	6.32E-03	6.32E-03	1.06E-03	1.06E-03	4.63E-04	4.63E-04
1153	440934.1	3768124	0.005749	5.75E-03	6.48E-03	6.48E-03	1.09E-03	1.09E-03	4.75E-04	4.75E-04
1154	440943.3	3768120	0.005789	5.79E-03	6.53E-03	6.53E-03	1.09E-03	1.09E-03	4.79E-04	4.79E-04
1155	440952.5	3768116	0.005819	5.82E-03	6.56E-03	6.56E-03	1.10E-03	1.10E-03	4.81E-04	4.81E-04
1156	440980.1	3768105	0.005861	5.86E-03	6.61E-03	6.61E-03	1.11E-03	1.11E-03	4.85E-04	4.85E-04
1157	440989.2	3768101	0.00586	5.86E-03	6.61E-03	6.61E-03	1.11E-03	1.11E-03	4.85E-04	4.85E-04
1158	440998.4	3768097	0.005853	5.85E-03	6.60E-03	6.60E-03	1.11E-03	1.11E-03	4.84E-04	4.84E-04
1159	441007.6	3768094	0.005829	5.83E-03	6.57E-03	6.57E-03	1.10E-03	1.10E-03	4.82E-04	4.82E-04
1160	441016.8	3768090	0.005794	5.79E-03	6.53E-03	6.53E-03	1.10E-03	1.10E-03	4.79E-04	4.79E-04
1161	441026	3768086	0.005749	5.75E-03	6.48E-03	6.48E-03	1.09E-03	1.09E-03	4.75E-04	4.75E-04
1162	441035.2	3768082	0.005705	5.71E-03	6.43E-03	6.43E-03	1.08E-03	1.08E-03	4.72E-04	4.72E-04
1163	441044.4	3768078	0.005663	5.66E-03	6.38E-03	6.38E-03	1.07E-03	1.07E-03	4.68E-04	4.68E-04
1164	441053.6	3768075	0.005613	5.61E-03	6.33E-03	6.33E-03	1.06E-03	1.06E-03	4.64E-04	4.64E-04
1165	441062.8	3768071	0.005561	5.56E-03	6.27E-03	6.27E-03	1.05E-03	1.05E-03	4.60E-04	4.60E-04
1166	441072	3768067	0.005515	5.52E-03	6.22E-03	6.22E-03	1.04E-03	1.04E-03	4.56E-04	4.56E-04
1167	441081.2	3768063	0.005465	5.47E-03	6.16E-03	6.16E-03	1.03E-03	1.03E-03	4.52E-04	4.52E-04
1168	441090.4	3768060	0.005411	5.41E-03	6.10E-03	6.10E-03	1.02E-03	1.02E-03	4.47E-04	4.47E-04
1169	441145.6	3768037	0.00506	5.06E-03	5.70E-03	5.70E-03	9.57E-04	9.57E-04	4.18E-04	4.18E-04
1170	441154.8	3768033	0.004992	4.99E-03	5.63E-03	5.63E-03	9.44E-04	9.44E-04	4.13E-04	4.13E-04
1171	441164	3768029	0.004917	4.92E-03	5.54E-03	5.54E-03	9.30E-04	9.30E-04	4.07E-04	4.07E-04
1172	441173.2	3768026	0.004835	4.84E-03	5.45E-03	5.45E-03	9.14E-04	9.14E-04	4.00E-04	4.00E-04
1173	441182.4	3768022	0.004748	4.75E-03	5.35E-03	5.35E-03	8.98E-04	8.98E-04	3.93E-04	3.93E-04
1174	440823.1	3768129	0.004924	4.92E-03	5.55E-03	5.55E-03	9.31E-04	9.31E-04	4.07E-04	4.07E-04
1175	440860	3768114	0.005115	5.12E-03	5.77E-03	5.77E-03	9.67E-04	9.67E-04	4.23E-04	4.23E-04
1176	440869.2	3768110	0.005156	5.16E-03	5.81E-03	5.81E-03	9.75E-04	9.75E-04	4.26E-04	4.26E-04
1177	440878.4	3768107	0.005196	5.20E-03	5.86E-03	5.86E-03	9.82E-04	9.82E-04	4.30E-04	4.30E-04
1178	440906.1	3768095	0.005305	5.31E-03	5.98E-03	5.98E-03	1.00E-03	1.00E-03	4.39E-04	4.39E-04
1179	440915.3	3768092	0.005338	5.34E-03	6.02E-03	6.02E-03	1.01E-03	1.01E-03	4.41E-04	4.41E-04
1180	440924.5	3768088	0.005363	5.36E-03	6.05E-03	6.05E-03	1.01E-03	1.01E-03	4.43E-04	4.43E-04
1181	440952.1	3768076	0.005398	5.40E-03	6.08E-03	6.08E-03	1.02E-03	1.02E-03	4.46E-04	4.46E-04
1182	440961.3	3768073	0.005397	5.40E-03	6.08E-03	6.08E-03	1.02E-03	1.02E-03	4.46E-04	4.46E-04
1183	440970.6	3768069	0.005392	5.39E-03	6.08E-03	6.08E-03	1.02E-03	1.02E-03	4.46E-04	4.46E-04
1184	440979.8	3768065	0.005382	5.38E-03	6.07E-03	6.07E-03	1.02E-03	1.02E-03	4.45E-04	4.45E-04
1185	440989	3768061	0.005368	5.37E-03	6.05E-03	6.05E-03	1.01E-03	1.01E-03	4.44E-04	4.44E-04
1186	441044.3	3768039	0.005089	5.09E-03	5.74E-03	5.74E-03	9.62E-04	9.62E-04	4.21E-04	4.21E-04
1187	441053.5	3768035	0.005036	5.04E-03	5.68E-03	5.68E-03	9.52E-04	9.52E-04	4.16E-04	4.16E-04
1188	441062.7	3768031	0.004981	4.98E-03	5.61E-03	5.61E-03	9.42E-04	9.42E-04	4.12E-04	4.12E-04
1189	441071.9	3768027	0.004932	4.93E-03	5.56E-03	5.56E-03	9.32E-04	9.32E-04	4.08E-04	4.08E-04
1190	441081.1	3768024	0.004884	4.88E-03	5.51E-03	5.51E-03	9.23E-04	9.23E-04	4.04E-04	4.04E-04
1191	441090.3	3768020	0.004835	4.84E-03	5.45E-03	5.45E-03	9.14E-04	9.14E-04	4.00E-04	4.00E-04
1192	441099.6	3768016	0.004795	4.80E-03	5.40E-03	5.40E-03	9.06E-04	9.06E-04	3.96E-04	3.96E-04
1193	441108.8	3768012	0.004748	4.75E-03	5.35E-03	5.35E-03	8.98E-04	8.98E-04	3.93E-04	3.93E-04
1194	441118	3768008	0.004697	4.70E-03	5.29E-03	5.29E-03	8.88E-04	8.88E-04	3.88E-04	3.88E-04
1195	441127.2	3768005	0.004637	4.64E-03	5.23E-03	5.23E-03	8.77E-04	8.77E-04	3.83E-04	3.83E-04
1196	441136.4	3768001	0.00457	4.57E-03	5.15E-03	5.15E-03	8.64E-04	8.64E-04	3.78E-04	3.78E-04
1197	441145.6	3767997	0.004495	4.50E-03	5.07E-03	5.07E-03	8.50E-04	8.50E-04	3.72E-04	3.72E-04
1198	441154.8	3767993	0.004417	4.42E-03	4.98E-03	4.98E-03	8.35E-04	8.35E-04	3.65E-04	3.65E-04
1199	441164.1	3767990	0.004341	4.34E-03	4.89E-03	4.89E-03	8.21E-04	8.21E-04	3.59E-04	3.59E-04
1200	441173.3	3767986	0.004265	4.27E-03	4.81E-03	4.81E-03	8.06E-04	8.06E-04	3.53E-04	3.53E-04
1201	440785.7	3768105	0.004508	4.51E-03	5.08E-03	5.08E-03	8.52E-04	8.52E-04	3.73E-04	3.73E-04
1202	440794.9	3768101	0.004548	4.55E-03	5.13E-03	5.13E-03	8.60E-04	8.60E-04	3.76E-04	3.76E-04
1203	440831.9	3768086	0.004703	4.70E-03	5.30E-03	5.30E-03	8.89E-04	8.89E-04	3.89E-04	3.89E-04
1204	440841.1	3768082	0.004743	4.74E-03	5.35E-03	5.35E-03	8.97E-04	8.97E-04	3.92E-04	3.92E-04
1205	440850.3	3768078	0.00478	4.78E-03	5.39E-03	5.39E-03	9.04E-04	9.04E-04	3.95E-04	3.95E-04
1206	440878	3768067	0.004876	4.88E-03	5.50E-03	5.50E-03	9.22E-04	9.22E-04	4.03E-04	4.03E-04
1207	440887.2	3768063	0.004902	4.90E-03	5.53E-03	5.53E-03	9.27E-04	9.27E-04	4.05E-04	4.05E-04
1208	440942.6	3768040	0.004978	4.98E-03	5.61E-03	5.61E-03	9.41E-04	9.41E-04	4.12E-04	4.12E-04
1209	440951.8	3768037	0.004967	4.97E-03	5.60E-03	5.60E-03	9.39E-04	9.39E-04	4.11E-04	4.11E-04
1210	440961.1	3768033	0.004951	4.95E-03	5.58E-03	5.58E-03	9.36E-04	9.36E-04	4.09E-04	4.09E-04
1211	440970.3	3768029	0.00493	4.93E-03	5.56E-03	5.56E-03	9.32E-04	9.32E-04	4.08E-04	4.08E-04
1212	440979.5	3768025	0.004907	4.91E-03	5.53E-03	5.53E-03	9.28E-04	9.28E-04	4.06E-04	4.06E-04
1213	440988.8	3768021	0.004879	4.88E-03	5.50E-03	5.50E-03	9.22E-04	9.22E-04	4.03E-04	4.03E-04
1214	440998	3768018	0.004849	4.85E-03	5.47E-03	5.47E-03	9.17E-04	9.17E-04	4.01E-04	4.01E-04
1215	441007.2	3768014	0.004809	4.81E-03	5.42E-03	5.42E-03	9.09E-04	9.09E-04	3.98E-04	3.98E-04
1216	441016.5	3768010	0.004764	4.76E-03	5.37E-03	5.37E-03	9.01E-04	9.01E-04	3.94E-04	3.94E-04
1217	441025.7	3768006	0.004715	4.72E-03	5.31E-03	5.31E-03	8.91E-04	8.91E-04	3.90E-04	3.90E-04
1218	441034.9	3768003	0.004667	4.67E-03	5.26E-03	5.26E-03	8.82E-04	8.82E-04	3.86E-04	3.86E-04
1219	441044.1	3767999	0.00462	4.62E-03	5.21E-03	5.21E-03	8.73E-04	8.73E-04	3.82E-04	3.82E-04
1220	441053.4	3767995	0.004573	4.57E-03	5.15E-03	5.15E-03	8.65E-04	8.65E-04	3.78E-04	3.78E-04
1221	441062.6	3767991	0.004528	4.53E-03	5.10E-03	5.10E-03	8.56E-04	8.56E-04	3.74E-04	3.74E-04

1222	441071.8	3767987	0.004491	4.49E-03	5.06E-03	5.06E-03	8.49E-04	8.49E-04	3.71E-04	3.71E-04
1223	441081.1	3767984	0.004451	4.45E-03	5.02E-03	5.02E-03	8.41E-04	8.41E-04	3.68E-04	3.68E-04
1224	441090.3	3767980	0.004408	4.41E-03	4.97E-03	4.97E-03	8.33E-04	8.33E-04	3.64E-04	3.64E-04
1225	441099.5	3767976	0.004352	4.35E-03	4.91E-03	4.91E-03	8.23E-04	8.23E-04	3.60E-04	3.60E-04
1226	441108.8	3767972	0.004291	4.29E-03	4.84E-03	4.84E-03	8.11E-04	8.11E-04	3.55E-04	3.55E-04
1227	441118	3767969	0.004224	4.22E-03	4.76E-03	4.76E-03	7.99E-04	7.99E-04	3.49E-04	3.49E-04
1228	441127.2	3767965	0.004147	4.15E-03	4.67E-03	4.67E-03	7.84E-04	7.84E-04	3.43E-04	3.43E-04
1229	441136.4	3767961	0.004067	4.07E-03	4.58E-03	4.58E-03	7.69E-04	7.69E-04	3.36E-04	3.36E-04
1230	441145.7	3767957	0.003986	3.99E-03	4.49E-03	4.49E-03	7.54E-04	7.54E-04	3.30E-04	3.30E-04
1231	441154.9	3767953	0.003918	3.92E-03	4.42E-03	4.42E-03	7.41E-04	7.41E-04	3.24E-04	3.24E-04
1232	441164.1	3767950	0.003862	3.86E-03	4.35E-03	4.35E-03	7.30E-04	7.30E-04	3.19E-04	3.19E-04
1233	440552.6	3768714	0.00242	2.42E-03	2.73E-03	2.73E-03	4.57E-04	4.57E-04	2.00E-04	2.00E-04
1234	440552.6	3768724	0.002386	2.39E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
1235	440552.6	3768734	0.002352	2.35E-03	2.65E-03	2.65E-03	4.45E-04	4.45E-04	1.94E-04	1.94E-04
1236	440552.7	3768744	0.002318	2.32E-03	2.61E-03	2.61E-03	4.38E-04	4.38E-04	1.92E-04	1.92E-04
1237	440552.7	3768754	0.002284	2.28E-03	2.57E-03	2.57E-03	4.32E-04	4.32E-04	1.89E-04	1.89E-04
1238	440552.7	3768764	0.00225	2.25E-03	2.54E-03	2.54E-03	4.25E-04	4.25E-04	1.86E-04	1.86E-04
1239	440552.7	3768774	0.002216	2.22E-03	2.50E-03	2.50E-03	4.19E-04	4.19E-04	1.83E-04	1.83E-04
1240	440552.8	3768784	0.002182	2.18E-03	2.46E-03	2.46E-03	4.12E-04	4.12E-04	1.80E-04	1.80E-04
1241	440552.8	3768794	0.002148	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04
1242	440757	3768077	0.004196	4.20E-03	4.73E-03	4.73E-03	7.93E-04	7.93E-04	3.47E-04	3.47E-04
1243	440766.1	3768073	0.004236	4.24E-03	4.77E-03	4.77E-03	8.01E-04	8.01E-04	3.50E-04	3.50E-04
1244	440847.9	3768039	0.004475	4.48E-03	5.04E-03	5.04E-03	8.46E-04	8.46E-04	3.70E-04	3.70E-04
1245	440857	3768036	0.004495	4.50E-03	5.07E-03	5.07E-03	8.50E-04	8.50E-04	3.72E-04	3.72E-04
1246	440866	3768032	0.004514	4.51E-03	5.09E-03	5.09E-03	8.53E-04	8.53E-04	3.73E-04	3.73E-04
1247	440902.4	3768017	0.004577	4.58E-03	5.16E-03	5.16E-03	8.65E-04	8.65E-04	3.78E-04	3.78E-04
1248	440911.5	3768013	0.004586	4.59E-03	5.17E-03	5.17E-03	8.67E-04	8.67E-04	3.79E-04	3.79E-04
1249	440920.6	3768010	0.004588	4.59E-03	5.17E-03	5.17E-03	8.67E-04	8.67E-04	3.79E-04	3.79E-04
1250	440929.6	3768006	0.004586	4.59E-03	5.17E-03	5.17E-03	8.67E-04	8.67E-04	3.79E-04	3.79E-04
1251	440938.7	3768002	0.004582	4.58E-03	5.16E-03	5.16E-03	8.66E-04	8.66E-04	3.79E-04	3.79E-04
1252	440947.8	3767998	0.004568	4.57E-03	5.15E-03	5.15E-03	8.64E-04	8.64E-04	3.78E-04	3.78E-04
1253	440956.9	3767995	0.004551	4.55E-03	5.13E-03	5.13E-03	8.60E-04	8.60E-04	3.76E-04	3.76E-04
1254	440966	3767991	0.004533	4.53E-03	5.11E-03	5.11E-03	8.57E-04	8.57E-04	3.75E-04	3.75E-04
1255	440975.1	3767987	0.004508	4.51E-03	5.08E-03	5.08E-03	8.52E-04	8.52E-04	3.73E-04	3.73E-04
1256	440984.1	3767983	0.004477	4.48E-03	5.05E-03	5.05E-03	8.46E-04	8.46E-04	3.70E-04	3.70E-04
1257	440993.2	3767980	0.004443	4.44E-03	5.01E-03	5.01E-03	8.40E-04	8.40E-04	3.67E-04	3.67E-04
1258	441002.3	3767976	0.004406	4.41E-03	4.97E-03	4.97E-03	8.33E-04	8.33E-04	3.64E-04	3.64E-04
1259	441011.4	3767972	0.004366	4.37E-03	4.92E-03	4.92E-03	8.25E-04	8.25E-04	3.61E-04	3.61E-04
1260	441020.5	3767969	0.004324	4.32E-03	4.87E-03	4.87E-03	8.17E-04	8.17E-04	3.58E-04	3.58E-04
1261	441029.6	3767965	0.004279	4.28E-03	4.82E-03	4.82E-03	8.09E-04	8.09E-04	3.54E-04	3.54E-04
1262	441038.6	3767961	0.00424	4.24E-03	4.78E-03	4.78E-03	8.02E-04	8.02E-04	3.51E-04	3.51E-04
1263	441047.7	3767957	0.0042	4.20E-03	4.73E-03	4.73E-03	7.94E-04	7.94E-04	3.47E-04	3.47E-04
1264	441056.8	3767954	0.00416	4.16E-03	4.69E-03	4.69E-03	7.86E-04	7.86E-04	3.44E-04	3.44E-04
1265	441065.9	3767950	0.004119	4.12E-03	4.64E-03	4.64E-03	7.79E-04	7.79E-04	3.41E-04	3.41E-04
1266	441075	3767946	0.004073	4.07E-03	4.59E-03	4.59E-03	7.70E-04	7.70E-04	3.37E-04	3.37E-04
1267	441084.1	3767943	0.004025	4.03E-03	4.54E-03	4.54E-03	7.61E-04	7.61E-04	3.33E-04	3.33E-04
1268	441093.2	3767939	0.003969	3.97E-03	4.47E-03	4.47E-03	7.50E-04	7.50E-04	3.28E-04	3.28E-04
1269	441129.5	3767924	0.003707	3.71E-03	4.18E-03	4.18E-03	7.01E-04	7.01E-04	3.07E-04	3.07E-04
1270	441138.6	3767920	0.003643	3.64E-03	4.11E-03	4.11E-03	6.89E-04	6.89E-04	3.01E-04	3.01E-04
1271	441147.7	3767916	0.00358	3.58E-03	4.04E-03	4.04E-03	6.77E-04	6.77E-04	2.96E-04	2.96E-04
1272	441156.7	3767913	0.003529	3.53E-03	3.98E-03	3.98E-03	6.67E-04	6.67E-04	2.92E-04	2.92E-04
1273	441165.8	3767909	0.003479	3.48E-03	3.92E-03	3.92E-03	6.58E-04	6.58E-04	2.88E-04	2.88E-04
1274	440512.4	3768664	0.002377	2.38E-03	2.68E-03	2.68E-03	4.49E-04	4.49E-04	1.97E-04	1.97E-04
1275	440512.4	3768674	0.002349	2.35E-03	2.65E-03	2.65E-03	4.44E-04	4.44E-04	1.94E-04	1.94E-04
1276	440512.5	3768684	0.00232	2.32E-03	2.62E-03	2.62E-03	4.39E-04	4.39E-04	1.92E-04	1.92E-04
1277	440512.5	3768694	0.002292	2.29E-03	2.58E-03	2.58E-03	4.33E-04	4.33E-04	1.90E-04	1.90E-04
1278	440512.5	3768704	0.002263	2.26E-03	2.55E-03	2.55E-03	4.28E-04	4.28E-04	1.87E-04	1.87E-04
1279	440512.6	3768714	0.002234	2.23E-03	2.52E-03	2.52E-03	4.22E-04	4.22E-04	1.85E-04	1.85E-04
1280	440512.6	3768724	0.002204	2.20E-03	2.48E-03	2.48E-03	4.17E-04	4.17E-04	1.82E-04	1.82E-04
1281	440512.6	3768734	0.002175	2.18E-03	2.45E-03	2.45E-03	4.11E-04	4.11E-04	1.80E-04	1.80E-04
1282	440512.7	3768744	0.002145	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.77E-04	1.77E-04
1283	440512.7	3768754	0.002115	2.12E-03	2.38E-03	2.38E-03	4.00E-04	4.00E-04	1.75E-04	1.75E-04
1284	440512.7	3768764	0.002084	2.08E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
1285	440512.7	3768774	0.002054	2.05E-03	2.32E-03	2.32E-03	3.88E-04	3.88E-04	1.70E-04	1.70E-04
1286	440512.8	3768784	0.002024	2.02E-03	2.28E-03	2.28E-03	3.83E-04	3.83E-04	1.67E-04	1.67E-04
1287	440512.8	3768794	0.001993	1.99E-03	2.25E-03	2.25E-03	3.77E-04	3.77E-04	1.65E-04	1.65E-04
1288	440774.4	3768030	0.004069	4.07E-03	4.59E-03	4.59E-03	7.69E-04	7.69E-04	3.36E-04	3.36E-04
1289	440783.5	3768026	0.004093	4.09E-03	4.61E-03	4.61E-03	7.74E-04	7.74E-04	3.38E-04	3.38E-04
1290	440792.6	3768022	0.004115	4.12E-03	4.64E-03	4.64E-03	7.78E-04	7.78E-04	3.40E-04	3.40E-04
1291	440819.9	3768011	0.004155	4.16E-03	4.68E-03	4.68E-03	7.85E-04	7.85E-04	3.44E-04	3.44E-04
1292	440829	3768007	0.00416	4.16E-03	4.69E-03	4.69E-03	7.86E-04	7.86E-04	3.44E-04	3.44E-04
1293	440838.1	3768003	0.004162	4.16E-03	4.69E-03	4.69E-03	7.87E-04	7.87E-04	3.44E-04	3.44E-04

1294	440874.5	3767989	0.004203	4.20E-03	4.74E-03	4.74E-03	7.95E-04	7.95E-04	3.48E-04	3.48E-04
1295	440883.6	3767985	0.004212	4.21E-03	4.75E-03	4.75E-03	7.96E-04	7.96E-04	3.48E-04	3.48E-04
1296	440892.7	3767981	0.004218	4.22E-03	4.75E-03	4.75E-03	7.97E-04	7.97E-04	3.49E-04	3.49E-04
1297	440901.8	3767977	0.004219	4.22E-03	4.76E-03	4.76E-03	7.98E-04	7.98E-04	3.49E-04	3.49E-04
1298	440910.9	3767974	0.004216	4.22E-03	4.75E-03	4.75E-03	7.97E-04	7.97E-04	3.49E-04	3.49E-04
1299	440920	3767970	0.004209	4.21E-03	4.74E-03	4.74E-03	7.96E-04	7.96E-04	3.48E-04	3.48E-04
1300	440929.2	3767966	0.004202	4.20E-03	4.74E-03	4.74E-03	7.94E-04	7.94E-04	3.47E-04	3.47E-04
1301	440938.3	3767962	0.004192	4.19E-03	4.73E-03	4.73E-03	7.92E-04	7.92E-04	3.47E-04	3.47E-04
1302	440947.4	3767959	0.004178	4.18E-03	4.71E-03	4.71E-03	7.90E-04	7.90E-04	3.45E-04	3.45E-04
1303	440956.5	3767955	0.00416	4.16E-03	4.69E-03	4.69E-03	7.86E-04	7.86E-04	3.44E-04	3.44E-04
1304	440965.6	3767951	0.004138	4.14E-03	4.66E-03	4.66E-03	7.82E-04	7.82E-04	3.42E-04	3.42E-04
1305	440974.7	3767947	0.004108	4.11E-03	4.63E-03	4.63E-03	7.77E-04	7.77E-04	3.40E-04	3.40E-04
1306	440983.8	3767944	0.004073	4.07E-03	4.59E-03	4.59E-03	7.70E-04	7.70E-04	3.37E-04	3.37E-04
1307	440992.9	3767940	0.004034	4.03E-03	4.55E-03	4.55E-03	7.63E-04	7.63E-04	3.34E-04	3.34E-04
1308	441029.3	3767925	0.003879	3.88E-03	4.37E-03	4.37E-03	7.33E-04	7.33E-04	3.21E-04	3.21E-04
1309	441038.4	3767921	0.003843	3.84E-03	4.33E-03	4.33E-03	7.27E-04	7.27E-04	3.18E-04	3.18E-04
1310	441047.5	3767918	0.003805	3.81E-03	4.29E-03	4.29E-03	7.19E-04	7.19E-04	3.15E-04	3.15E-04
1311	441056.6	3767914	0.003766	3.77E-03	4.25E-03	4.25E-03	7.12E-04	7.12E-04	3.11E-04	3.11E-04
1312	441065.7	3767910	0.003721	3.72E-03	4.19E-03	4.19E-03	7.03E-04	7.03E-04	3.08E-04	3.08E-04
1313	441074.8	3767906	0.003678	3.68E-03	4.15E-03	4.15E-03	6.95E-04	6.95E-04	3.04E-04	3.04E-04
1314	441083.9	3767903	0.003633	3.63E-03	4.10E-03	4.10E-03	6.87E-04	6.87E-04	3.00E-04	3.00E-04
1315	441093	3767899	0.003586	3.59E-03	4.04E-03	4.04E-03	6.78E-04	6.78E-04	2.97E-04	2.97E-04
1316	441102.1	3767895	0.003534	3.53E-03	3.98E-03	3.98E-03	6.68E-04	6.68E-04	2.92E-04	2.92E-04
1317	441111.2	3767891	0.003481	3.48E-03	3.92E-03	3.92E-03	6.58E-04	6.58E-04	2.88E-04	2.88E-04
1318	441120.3	3767888	0.003428	3.43E-03	3.86E-03	3.86E-03	6.48E-04	6.48E-04	2.83E-04	2.83E-04
1319	441129.4	3767884	0.003375	3.38E-03	3.80E-03	3.80E-03	6.38E-04	6.38E-04	2.79E-04	2.79E-04
1320	441138.6	3767880	0.00332	3.32E-03	3.74E-03	3.74E-03	6.28E-04	6.28E-04	2.75E-04	2.75E-04
1321	441147.7	3767877	0.003266	3.27E-03	3.68E-03	3.68E-03	6.17E-04	6.17E-04	2.70E-04	2.70E-04
1322	441156.8	3767873	0.003215	3.22E-03	3.62E-03	3.62E-03	6.08E-04	6.08E-04	2.66E-04	2.66E-04
1323	441165.9	3767869	0.003163	3.16E-03	3.57E-03	3.57E-03	5.98E-04	5.98E-04	2.62E-04	2.62E-04
1324	440472.4	3768664	0.002196	2.20E-03	2.48E-03	2.48E-03	4.15E-04	4.15E-04	1.82E-04	1.82E-04
1325	440472.4	3768674	0.002172	2.17E-03	2.45E-03	2.45E-03	4.11E-04	4.11E-04	1.80E-04	1.80E-04
1326	440472.5	3768684	0.002146	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.77E-04	1.77E-04
1327	440472.5	3768694	0.002121	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
1328	440472.5	3768704	0.002095	2.10E-03	2.36E-03	2.36E-03	3.96E-04	3.96E-04	1.73E-04	1.73E-04
1329	440472.6	3768714	0.002069	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
1330	440472.6	3768724	0.002043	2.04E-03	2.30E-03	2.30E-03	3.86E-04	3.86E-04	1.69E-04	1.69E-04
1331	440472.6	3768734	0.002016	2.02E-03	2.27E-03	2.27E-03	3.81E-04	3.81E-04	1.67E-04	1.67E-04
1332	440472.7	3768744	0.001989	1.99E-03	2.24E-03	2.24E-03	3.76E-04	3.76E-04	1.64E-04	1.64E-04
1333	440472.7	3768754	0.001962	1.96E-03	2.21E-03	2.21E-03	3.71E-04	3.71E-04	1.62E-04	1.62E-04
1334	440472.7	3768764	0.001935	1.94E-03	2.18E-03	2.18E-03	3.66E-04	3.66E-04	1.60E-04	1.60E-04
1335	440472.7	3768774	0.001909	1.91E-03	2.15E-03	2.15E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
1336	440472.8	3768784	0.001882	1.88E-03	2.12E-03	2.12E-03	3.56E-04	3.56E-04	1.56E-04	1.56E-04
1337	440472.8	3768794	0.001854	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
1338	440601.7	3768204	0.003409	3.41E-03	3.84E-03	3.84E-03	6.44E-04	6.44E-04	2.82E-04	2.82E-04
1339	440605.5	3768195	0.003427	3.43E-03	3.86E-03	3.86E-03	6.48E-04	6.48E-04	2.83E-04	2.83E-04
1340	440609.3	3768186	0.003445	3.45E-03	3.88E-03	3.88E-03	6.51E-04	6.51E-04	2.85E-04	2.85E-04
1341	440620.6	3768159	0.00348	3.48E-03	3.92E-03	3.92E-03	6.58E-04	6.58E-04	2.88E-04	2.88E-04
1342	440624.3	3768150	0.003489	3.49E-03	3.93E-03	3.93E-03	6.60E-04	6.60E-04	2.88E-04	2.88E-04
1343	440628.1	3768140	0.003502	3.50E-03	3.95E-03	3.95E-03	6.62E-04	6.62E-04	2.90E-04	2.90E-04
1344	440631.9	3768131	0.003511	3.51E-03	3.96E-03	3.96E-03	6.64E-04	6.64E-04	2.90E-04	2.90E-04
1345	440635.6	3768122	0.003519	3.52E-03	3.97E-03	3.97E-03	6.65E-04	6.65E-04	2.91E-04	2.91E-04
1346	440639.4	3768113	0.003527	3.53E-03	3.98E-03	3.98E-03	6.67E-04	6.67E-04	2.92E-04	2.92E-04
1347	440643.2	3768104	0.003535	3.54E-03	3.98E-03	3.98E-03	6.68E-04	6.68E-04	2.92E-04	2.92E-04
1348	440646.9	3768095	0.00354	3.54E-03	3.99E-03	3.99E-03	6.69E-04	6.69E-04	2.93E-04	2.93E-04
1349	440650.7	3768086	0.003543	3.54E-03	3.99E-03	3.99E-03	6.70E-04	6.70E-04	2.93E-04	2.93E-04
1350	440654.5	3768077	0.003544	3.54E-03	3.99E-03	3.99E-03	6.70E-04	6.70E-04	2.93E-04	2.93E-04
1351	440658.2	3768068	0.003544	3.54E-03	3.99E-03	3.99E-03	6.70E-04	6.70E-04	2.93E-04	2.93E-04
1352	440669.5	3768040	0.003533	3.53E-03	3.98E-03	3.98E-03	6.68E-04	6.68E-04	2.92E-04	2.92E-04
1353	440682.4	3768027	0.003561	3.56E-03	4.01E-03	4.01E-03	6.73E-04	6.73E-04	2.94E-04	2.94E-04
1354	440691.5	3768024	0.003596	3.60E-03	4.05E-03	4.05E-03	6.80E-04	6.80E-04	2.97E-04	2.97E-04
1355	440700.7	3768020	0.003631	3.63E-03	4.09E-03	4.09E-03	6.86E-04	6.86E-04	3.00E-04	3.00E-04
1356	440709.8	3768016	0.003666	3.67E-03	4.13E-03	4.13E-03	6.93E-04	6.93E-04	3.03E-04	3.03E-04
1357	440810.1	3767975	0.0039	3.90E-03	4.40E-03	4.40E-03	7.37E-04	7.37E-04	3.22E-04	3.22E-04
1358	440837.5	3767964	0.003906	3.91E-03	4.40E-03	4.40E-03	7.38E-04	7.38E-04	3.23E-04	3.23E-04
1359	440846.6	3767960	0.003904	3.90E-03	4.40E-03	4.40E-03	7.38E-04	7.38E-04	3.23E-04	3.23E-04
1360	440855.7	3767956	0.003909	3.91E-03	4.41E-03	4.41E-03	7.39E-04	7.39E-04	3.23E-04	3.23E-04
1361	440864.9	3767953	0.003915	3.92E-03	4.41E-03	4.41E-03	7.40E-04	7.40E-04	3.24E-04	3.24E-04
1362	440874	3767949	0.003917	3.92E-03	4.42E-03	4.42E-03	7.40E-04	7.40E-04	3.24E-04	3.24E-04
1363	440883.1	3767945	0.003915	3.92E-03	4.41E-03	4.41E-03	7.40E-04	7.40E-04	3.24E-04	3.24E-04
1364	440892.2	3767941	0.003909	3.91E-03	4.41E-03	4.41E-03	7.39E-04	7.39E-04	3.23E-04	3.23E-04
1365	440937.9	3767923	0.003865	3.87E-03	4.36E-03	4.36E-03	7.31E-04	7.31E-04	3.20E-04	3.20E-04

1366	440947	3767919	0.003844	3.84E-03	4.33E-03	4.33E-03	7.27E-04	7.27E-04	3.18E-04	3.18E-04
1367	440956.1	3767915	0.003819	3.82E-03	4.30E-03	4.30E-03	7.22E-04	7.22E-04	3.16E-04	3.16E-04
1368	440965.2	3767911	0.00379	3.79E-03	4.27E-03	4.27E-03	7.16E-04	7.16E-04	3.13E-04	3.13E-04
1369	440974.3	3767908	0.003756	3.76E-03	4.23E-03	4.23E-03	7.10E-04	7.10E-04	3.11E-04	3.11E-04
1370	440983.5	3767904	0.003719	3.72E-03	4.19E-03	4.19E-03	7.03E-04	7.03E-04	3.08E-04	3.08E-04
1371	440992.6	3767900	0.003683	3.68E-03	4.15E-03	4.15E-03	6.96E-04	6.96E-04	3.05E-04	3.05E-04
1372	441001.7	3767896	0.003649	3.65E-03	4.11E-03	4.11E-03	6.90E-04	6.90E-04	3.02E-04	3.02E-04
1373	441010.8	3767893	0.003616	3.62E-03	4.08E-03	4.08E-03	6.84E-04	6.84E-04	2.99E-04	2.99E-04
1374	441020	3767889	0.003581	3.58E-03	4.04E-03	4.04E-03	6.77E-04	6.77E-04	2.96E-04	2.96E-04
1375	441029.1	3767885	0.003543	3.54E-03	3.99E-03	3.99E-03	6.70E-04	6.70E-04	2.93E-04	2.93E-04
1376	441038.2	3767882	0.003511	3.51E-03	3.96E-03	3.96E-03	6.64E-04	6.64E-04	2.90E-04	2.90E-04
1377	441047.3	3767878	0.003478	3.48E-03	3.92E-03	3.92E-03	6.58E-04	6.58E-04	2.88E-04	2.88E-04
1378	441056.5	3767874	0.003443	3.44E-03	3.88E-03	3.88E-03	6.51E-04	6.51E-04	2.85E-04	2.85E-04
1379	441065.6	3767870	0.003404	3.40E-03	3.84E-03	3.84E-03	6.44E-04	6.44E-04	2.81E-04	2.81E-04
1380	441074.7	3767867	0.003364	3.36E-03	3.79E-03	3.79E-03	6.36E-04	6.36E-04	2.78E-04	2.78E-04
1381	441083.8	3767863	0.003324	3.32E-03	3.75E-03	3.75E-03	6.28E-04	6.28E-04	2.75E-04	2.75E-04
1382	441092.9	3767859	0.003284	3.28E-03	3.70E-03	3.70E-03	6.21E-04	6.21E-04	2.72E-04	2.72E-04
1383	441102.1	3767855	0.00324	3.24E-03	3.65E-03	3.65E-03	6.13E-04	6.13E-04	2.68E-04	2.68E-04
1384	441111.2	3767852	0.003197	3.20E-03	3.60E-03	3.60E-03	6.04E-04	6.04E-04	2.64E-04	2.64E-04
1385	441120.3	3767848	0.003154	3.15E-03	3.56E-03	3.56E-03	5.96E-04	5.96E-04	2.61E-04	2.61E-04
1386	441129.4	3767844	0.003101	3.10E-03	3.50E-03	3.50E-03	5.86E-04	5.86E-04	2.56E-04	2.56E-04
1387	441138.6	3767840	0.003049	3.05E-03	3.44E-03	3.44E-03	5.76E-04	5.76E-04	2.52E-04	2.52E-04
1388	440432.4	3768664	0.002035	2.04E-03	2.29E-03	2.29E-03	3.85E-04	3.85E-04	1.68E-04	1.68E-04
1389	440432.4	3768674	0.002013	2.01E-03	2.27E-03	2.27E-03	3.81E-04	3.81E-04	1.66E-04	1.66E-04
1390	440432.5	3768684	0.00199	1.99E-03	2.24E-03	2.24E-03	3.76E-04	3.76E-04	1.65E-04	1.65E-04
1391	440432.5	3768694	0.001968	1.97E-03	2.22E-03	2.22E-03	3.72E-04	3.72E-04	1.63E-04	1.63E-04
1392	440432.5	3768704	0.001944	1.94E-03	2.19E-03	2.19E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
1393	440432.6	3768714	0.001921	1.92E-03	2.17E-03	2.17E-03	3.63E-04	3.63E-04	1.59E-04	1.59E-04
1394	440432.6	3768724	0.001897	1.90E-03	2.14E-03	2.14E-03	3.59E-04	3.59E-04	1.57E-04	1.57E-04
1395	440432.6	3768734	0.001873	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
1396	440432.7	3768744	0.00185	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
1397	440432.7	3768754	0.001826	1.83E-03	2.06E-03	2.06E-03	3.45E-04	3.45E-04	1.51E-04	1.51E-04
1398	440432.7	3768764	0.001803	1.80E-03	2.03E-03	2.03E-03	3.41E-04	3.41E-04	1.49E-04	1.49E-04
1399	440432.7	3768774	0.001779	1.78E-03	2.01E-03	2.01E-03	3.36E-04	3.36E-04	1.47E-04	1.47E-04
1400	440432.8	3768784	0.001756	1.76E-03	1.98E-03	1.98E-03	3.32E-04	3.32E-04	1.45E-04	1.45E-04
1401	440432.8	3768794	0.001732	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
1402	440599.8	3768112	0.003288	3.29E-03	3.71E-03	3.71E-03	6.22E-04	6.22E-04	2.72E-04	2.72E-04
1403	440603.6	3768103	0.003298	3.30E-03	3.72E-03	3.72E-03	6.23E-04	6.23E-04	2.73E-04	2.73E-04
1404	440607.3	3768094	0.003306	3.31E-03	3.73E-03	3.73E-03	6.25E-04	6.25E-04	2.73E-04	2.73E-04
1405	440611.1	3768085	0.003311	3.31E-03	3.73E-03	3.73E-03	6.26E-04	6.26E-04	2.74E-04	2.74E-04
1406	440614.9	3768076	0.003315	3.32E-03	3.74E-03	3.74E-03	6.27E-04	6.27E-04	2.74E-04	2.74E-04
1407	440618.6	3768067	0.003318	3.32E-03	3.74E-03	3.74E-03	6.27E-04	6.27E-04	2.74E-04	2.74E-04
1408	440630	3768039	0.003311	3.31E-03	3.73E-03	3.73E-03	6.26E-04	6.26E-04	2.74E-04	2.74E-04
1409	440633.7	3768030	0.003305	3.31E-03	3.73E-03	3.73E-03	6.25E-04	6.25E-04	2.73E-04	2.73E-04
1410	440637.5	3768021	0.003298	3.30E-03	3.72E-03	3.72E-03	6.23E-04	6.23E-04	2.73E-04	2.73E-04
1411	440641.3	3768012	0.003289	3.29E-03	3.71E-03	3.71E-03	6.22E-04	6.22E-04	2.72E-04	2.72E-04
1412	440654.2	3767999	0.003314	3.31E-03	3.74E-03	3.74E-03	6.26E-04	6.26E-04	2.74E-04	2.74E-04
1413	440919.2	3767890	0.003601	3.60E-03	4.06E-03	4.06E-03	6.81E-04	6.81E-04	2.98E-04	2.98E-04
1414	440983.2	3767864	0.003434	3.43E-03	3.87E-03	3.87E-03	6.49E-04	6.49E-04	2.84E-04	2.84E-04
1415	440992.3	3767860	0.003404	3.40E-03	3.84E-03	3.84E-03	6.44E-04	6.44E-04	2.81E-04	2.81E-04
1416	441001.5	3767857	0.00337	3.37E-03	3.80E-03	3.80E-03	6.37E-04	6.37E-04	2.79E-04	2.79E-04
1417	440392.4	3768654	0.001912	1.91E-03	2.16E-03	2.16E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
1418	440392.4	3768664	0.001893	1.89E-03	2.13E-03	2.13E-03	3.58E-04	3.58E-04	1.57E-04	1.57E-04
1419	440392.4	3768674	0.001873	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
1420	440392.5	3768684	0.001852	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
1421	440392.5	3768694	0.001832	1.83E-03	2.07E-03	2.07E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
1422	440392.5	3768704	0.001811	1.81E-03	2.04E-03	2.04E-03	3.42E-04	3.42E-04	1.50E-04	1.50E-04
1423	440392.6	3768714	0.001791	1.79E-03	2.02E-03	2.02E-03	3.39E-04	3.39E-04	1.48E-04	1.48E-04
1424	440392.6	3768724	0.00177	1.77E-03	2.00E-03	2.00E-03	3.35E-04	3.35E-04	1.46E-04	1.46E-04
1425	440392.6	3768734	0.001749	1.75E-03	1.97E-03	1.97E-03	3.31E-04	3.31E-04	1.45E-04	1.45E-04
1426	440392.7	3768744	0.001728	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
1427	440392.7	3768754	0.001706	1.71E-03	1.92E-03	1.92E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
1428	440392.7	3768764	0.001685	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.39E-04	1.39E-04
1429	440392.7	3768774	0.001664	1.66E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
1430	440392.8	3768784	0.001643	1.64E-03	1.85E-03	1.85E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
1431	440392.8	3768794	0.001622	1.62E-03	1.83E-03	1.83E-03	3.07E-04	3.07E-04	1.34E-04	1.34E-04
1432	440363.6	3768587	0.001931	1.93E-03	2.18E-03	2.18E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
1433	440367.4	3768578	0.001958	1.96E-03	2.21E-03	2.21E-03	3.70E-04	3.70E-04	1.62E-04	1.62E-04
1434	440594.1	3768029	0.0031	3.10E-03	3.49E-03	3.49E-03	5.86E-04	5.86E-04	2.56E-04	2.56E-04
1435	440597.9	3768020	0.003098	3.10E-03	3.49E-03	3.49E-03	5.86E-04	5.86E-04	2.56E-04	2.56E-04
1436	440601.7	3768011	0.003095	3.10E-03	3.49E-03	3.49E-03	5.85E-04	5.85E-04	2.56E-04	2.56E-04
1437	440605.5	3768002	0.00309	3.09E-03	3.48E-03	3.48E-03	5.84E-04	5.84E-04	2.55E-04	2.55E-04

1438	440352.4	3768664	0.001765	1.77E-03	1.99E-03	1.99E-03	3.34E-04	3.34E-04	1.46E-04	1.46E-04
1439	440352.4	3768674	0.001748	1.75E-03	1.97E-03	1.97E-03	3.30E-04	3.30E-04	1.45E-04	1.45E-04
1440	440352.5	3768684	0.00173	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
1441	440352.5	3768694	0.001712	1.71E-03	1.93E-03	1.93E-03	3.24E-04	3.24E-04	1.42E-04	1.42E-04
1442	440352.5	3768704	0.001694	1.69E-03	1.91E-03	1.91E-03	3.20E-04	3.20E-04	1.40E-04	1.40E-04
1443	440352.6	3768714	0.001675	1.68E-03	1.89E-03	1.89E-03	3.17E-04	3.17E-04	1.38E-04	1.38E-04
1444	440352.6	3768724	0.001657	1.66E-03	1.87E-03	1.87E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
1445	440352.6	3768734	0.001638	1.64E-03	1.85E-03	1.85E-03	3.10E-04	3.10E-04	1.35E-04	1.35E-04
1446	440352.7	3768744	0.001619	1.62E-03	1.82E-03	1.82E-03	3.06E-04	3.06E-04	1.34E-04	1.34E-04
1447	440352.7	3768754	0.0016	1.60E-03	1.80E-03	1.80E-03	3.02E-04	3.02E-04	1.32E-04	1.32E-04
1448	440352.7	3768764	0.001581	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
1449	440352.7	3768774	0.001562	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
1450	440352.8	3768784	0.001543	1.54E-03	1.74E-03	1.74E-03	2.92E-04	2.92E-04	1.28E-04	1.28E-04
1451	440352.8	3768794	0.001524	1.52E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
1452	441181.6	3768813	0.0173	1.73E-02	1.95E-02	1.95E-02	3.27E-03	3.27E-03	1.43E-03	1.43E-03
1453	441161.6	3768813	0.01508	1.51E-02	1.70E-02	1.70E-02	2.85E-03	2.85E-03	1.25E-03	1.25E-03
1454	441147.5	3768827	0.01244	1.24E-02	1.40E-02	1.40E-02	2.35E-03	2.35E-03	1.03E-03	1.03E-03
1455	441141.6	3768813	0.01329	1.33E-02	1.50E-02	1.50E-02	2.51E-03	2.51E-03	1.10E-03	1.10E-03
1456	441127.5	3768827	0.01114	1.11E-02	1.26E-02	1.26E-02	2.11E-03	2.11E-03	9.21E-04	9.21E-04
1457	441121.6	3768813	0.01181	1.18E-02	1.33E-02	1.33E-02	2.23E-03	2.23E-03	9.77E-04	9.77E-04
1458	441113.4	3768841	0.009494	9.49E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.85E-04	7.85E-04
1459	441107.5	3768827	0.01005	1.01E-02	1.13E-02	1.13E-02	1.90E-03	1.90E-03	8.31E-04	8.31E-04
1460	441101.6	3768813	0.0106	1.06E-02	1.19E-02	1.19E-02	2.00E-03	2.00E-03	8.76E-04	8.76E-04
1461	441093.4	3768841	0.008667	8.67E-03	9.77E-03	9.77E-03	1.64E-03	1.64E-03	7.17E-04	7.17E-04
1462	441087.5	3768827	0.009128	9.13E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.55E-04	7.55E-04
1463	441021.6	3768909	0.00486	4.86E-03	5.48E-03	5.48E-03	9.19E-04	9.19E-04	4.02E-04	4.02E-04
1464	441015.5	3768895	0.00507	5.07E-03	5.71E-03	5.71E-03	9.58E-04	9.58E-04	4.19E-04	4.19E-04
1465	441001.5	3768909	0.004595	4.60E-03	5.18E-03	5.18E-03	8.69E-04	8.69E-04	3.80E-04	3.80E-04
1466	440995.4	3768894	0.004781	4.78E-03	5.39E-03	5.39E-03	9.04E-04	9.04E-04	3.95E-04	3.95E-04
1467	440967.3	3768923	0.003974	3.97E-03	4.48E-03	4.48E-03	7.51E-04	7.51E-04	3.29E-04	3.29E-04
1468	440961.3	3768909	0.004121	4.12E-03	4.65E-03	4.65E-03	7.79E-04	7.79E-04	3.41E-04	3.41E-04
1469	440955.2	3768894	0.004271	4.27E-03	4.81E-03	4.81E-03	8.07E-04	8.07E-04	3.53E-04	3.53E-04
1470	440921.1	3768908	0.003722	3.72E-03	4.20E-03	4.20E-03	7.04E-04	7.04E-04	3.08E-04	3.08E-04
1471	440915.1	3768894	0.003843	3.84E-03	4.33E-03	4.33E-03	7.27E-04	7.27E-04	3.18E-04	3.18E-04
1472	440879.1	3768904	0.003408	3.41E-03	3.84E-03	3.84E-03	6.44E-04	6.44E-04	2.82E-04	2.82E-04
1473	440872.9	3768889	0.003509	3.51E-03	3.96E-03	3.96E-03	6.63E-04	6.63E-04	2.90E-04	2.90E-04
1474	441230.7	3769242	0.002031	2.03E-03	2.29E-03	2.29E-03	3.84E-04	3.84E-04	1.68E-04	1.68E-04
1475	441215.9	3769236	0.002046	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
1476	441201.1	3769230	0.00206	2.06E-03	2.32E-03	2.32E-03	3.89E-04	3.89E-04	1.70E-04	1.70E-04
1477	441186.4	3769224	0.00207	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
1478	441171.6	3769218	0.002079	2.08E-03	2.34E-03	2.34E-03	3.93E-04	3.93E-04	1.72E-04	1.72E-04
1479	441156.8	3769212	0.002073	2.07E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.71E-04	1.71E-04
1480	441260.9	3769251	0.002024	2.02E-03	2.28E-03	2.28E-03	3.83E-04	3.83E-04	1.67E-04	1.67E-04
1481	441277	3769251	0.002049	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
1482	441186.6	3769264	0.001821	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.51E-04	1.51E-04
1483	441171.9	3769258	0.001835	1.84E-03	2.07E-03	2.07E-03	3.47E-04	3.47E-04	1.52E-04	1.52E-04
1484	441157.2	3769252	0.001846	1.85E-03	2.08E-03	2.08E-03	3.49E-04	3.49E-04	1.53E-04	1.53E-04
1485	441142.5	3769246	0.001854	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
1486	441127.8	3769240	0.001859	1.86E-03	2.10E-03	2.10E-03	3.51E-04	3.51E-04	1.54E-04	1.54E-04
1487	441113.1	3769234	0.001862	1.86E-03	2.10E-03	2.10E-03	3.52E-04	3.52E-04	1.54E-04	1.54E-04
1488	441098.4	3769228	0.001866	1.87E-03	2.10E-03	2.10E-03	3.53E-04	3.53E-04	1.54E-04	1.54E-04
1489	441083.6	3769222	0.001868	1.87E-03	2.11E-03	2.11E-03	3.53E-04	3.53E-04	1.54E-04	1.54E-04
1490	441068.9	3769215	0.00187	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
1491	441054.2	3769209	0.001872	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
1492	440798.7	3768903	0.002843	2.84E-03	3.20E-03	3.20E-03	5.37E-04	5.37E-04	2.35E-04	2.35E-04
1493	440786.5	3768874	0.00298	2.98E-03	3.36E-03	3.36E-03	5.63E-04	5.63E-04	2.46E-04	2.46E-04
1494	441084.2	3769262	0.001684	1.68E-03	1.90E-03	1.90E-03	3.18E-04	3.18E-04	1.39E-04	1.39E-04
1495	441069.5	3769256	0.001687	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.39E-04	1.39E-04
1496	441054.8	3769250	0.001688	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.40E-04	1.40E-04
1497	441040.2	3769244	0.001687	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.39E-04	1.39E-04
1498	441025.5	3769238	0.001685	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.39E-04	1.39E-04
1499	441010.8	3769231	0.001684	1.68E-03	1.90E-03	1.90E-03	3.18E-04	3.18E-04	1.39E-04	1.39E-04
1500	440996.2	3769225	0.001679	1.68E-03	1.89E-03	1.89E-03	3.17E-04	3.17E-04	1.39E-04	1.39E-04
1501	440981.5	3769219	0.001671	1.67E-03	1.88E-03	1.88E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04
1502	440966.9	3769213	0.001664	1.66E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
1503	440952.2	3769207	0.001661	1.66E-03	1.87E-03	1.87E-03	3.14E-04	3.14E-04	1.37E-04	1.37E-04
1504	440937.5	3769201	0.001657	1.66E-03	1.87E-03	1.87E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
1505	440770.8	3768932	0.002496	2.50E-03	2.81E-03	2.81E-03	4.72E-04	4.72E-04	2.06E-04	2.06E-04
1506	440764.7	3768918	0.002555	2.56E-03	2.88E-03	2.88E-03	4.83E-04	4.83E-04	2.11E-04	2.11E-04
1507	440758.6	3768903	0.002613	2.61E-03	2.95E-03	2.95E-03	4.94E-04	4.94E-04	2.16E-04	2.16E-04
1508	441066.7	3769295	0.001525	1.53E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
1509	441051.8	3769288	0.001526	1.53E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04

1510	441036.9	3769282	0.001528	1.53E-03	1.72E-03	1.72E-03	2.89E-04	2.89E-04	1.26E-04	1.26E-04
1511	441022	3769276	0.001528	1.53E-03	1.72E-03	1.72E-03	2.89E-04	2.89E-04	1.26E-04	1.26E-04
1512	441007.1	3769270	0.001526	1.53E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
1513	440992.2	3769264	0.001522	1.52E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
1514	440947.5	3769245	0.001507	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.25E-04	1.25E-04
1515	440932.6	3769239	0.001505	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.24E-04	1.24E-04
1516	440917.8	3769233	0.0015	1.50E-03	1.69E-03	1.69E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
1517	440902.9	3769227	0.001492	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
1518	440888	3769221	0.001481	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.22E-04	1.22E-04
1519	440873.1	3769215	0.001472	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.22E-04	1.22E-04
1520	440858.2	3769208	0.001461	1.46E-03	1.65E-03	1.65E-03	2.76E-04	2.76E-04	1.21E-04	1.21E-04
1521	440734.8	3768942	0.002276	2.28E-03	2.57E-03	2.57E-03	4.30E-04	4.30E-04	1.88E-04	1.88E-04
1522	440728.6	3768927	0.002328	2.33E-03	2.62E-03	2.62E-03	4.40E-04	4.40E-04	1.92E-04	1.92E-04
1523	440722.4	3768912	0.002379	2.38E-03	2.68E-03	2.68E-03	4.50E-04	4.50E-04	1.97E-04	1.97E-04
1524	440716.2	3768897	0.002428	2.43E-03	2.74E-03	2.74E-03	4.59E-04	4.59E-04	2.01E-04	2.01E-04
1525	441008	3769310	0.001393	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
1526	440993.1	3769304	0.001391	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
1527	440978.3	3769298	0.001385	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
1528	440859.6	3769249	0.001349	1.35E-03	1.52E-03	1.52E-03	2.55E-04	2.55E-04	1.12E-04	1.12E-04
1529	440844.7	3769243	0.00134	1.34E-03	1.51E-03	1.51E-03	2.53E-04	2.53E-04	1.11E-04	1.11E-04
1530	440829.9	3769237	0.001331	1.33E-03	1.50E-03	1.50E-03	2.52E-04	2.52E-04	1.10E-04	1.10E-04
1531	440964.3	3769332	0.001274	1.27E-03	1.44E-03	1.44E-03	2.41E-04	2.41E-04	1.05E-04	1.05E-04
1532	440949.5	3769326	0.001272	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
1533	440934.7	3769320	0.00127	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
1534	441245.4	3769488	0.001075	1.08E-03	1.21E-03	1.21E-03	2.03E-04	2.03E-04	8.89E-05	8.89E-05
1535	441230.7	3769482	0.00108	1.08E-03	1.22E-03	1.22E-03	2.04E-04	2.04E-04	8.93E-05	8.93E-05
1536	441215.9	3769476	0.001087	1.09E-03	1.23E-03	1.23E-03	2.05E-04	2.05E-04	8.99E-05	8.99E-05
1537	441024.1	3769397	0.001177	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.73E-05	9.73E-05
1538	440935.6	3769360	0.001174	1.17E-03	1.32E-03	1.32E-03	2.22E-04	2.22E-04	9.71E-05	9.71E-05
1539	440773.3	3769293	0.001123	1.12E-03	1.27E-03	1.27E-03	2.12E-04	2.12E-04	9.29E-05	9.29E-05
1540	440755.5	3769280	0.001131	1.13E-03	1.27E-03	1.27E-03	2.14E-04	2.14E-04	9.35E-05	9.35E-05
1541	440749.4	3769265	0.001154	1.15E-03	1.30E-03	1.30E-03	2.18E-04	2.18E-04	9.54E-05	9.54E-05
1542	440743.2	3769250	0.00118	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.76E-05	9.76E-05
1543	440571.2	3768838	0.002065	2.07E-03	2.33E-03	2.33E-03	3.90E-04	3.90E-04	1.71E-04	1.71E-04
1544	440565.1	3768823	0.002094	2.09E-03	2.36E-03	2.36E-03	3.96E-04	3.96E-04	1.73E-04	1.73E-04
1545	440559	3768808	0.002122	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
1546	441260.9	3769491	0.001077	1.08E-03	1.21E-03	1.21E-03	2.04E-04	2.04E-04	8.91E-05	8.91E-05
1547	441277	3769491	0.001085	1.09E-03	1.22E-03	1.22E-03	2.05E-04	2.05E-04	8.97E-05	8.97E-05
1548	441245.4	3769528	0.000991	9.91E-04	1.12E-03	1.12E-03	1.87E-04	1.87E-04	8.20E-05	8.20E-05
1549	441230.7	3769522	0.000998	9.98E-04	1.12E-03	1.12E-03	1.89E-04	1.89E-04	8.25E-05	8.25E-05
1550	441216	3769516	0.001004	1.00E-03	1.13E-03	1.13E-03	1.90E-04	1.90E-04	8.30E-05	8.30E-05
1551	441186.6	3769504	0.00102	1.02E-03	1.15E-03	1.15E-03	1.93E-04	1.93E-04	8.43E-05	8.43E-05
1552	441171.9	3769498	0.001027	1.03E-03	1.16E-03	1.16E-03	1.94E-04	1.94E-04	8.49E-05	8.49E-05
1553	441157.1	3769492	0.001032	1.03E-03	1.16E-03	1.16E-03	1.95E-04	1.95E-04	8.53E-05	8.53E-05
1554	441142.4	3769486	0.001039	1.04E-03	1.17E-03	1.17E-03	1.96E-04	1.96E-04	8.59E-05	8.59E-05
1555	441127.7	3769480	0.001047	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.66E-05	8.66E-05
1556	441113	3769474	0.001054	1.05E-03	1.19E-03	1.19E-03	1.99E-04	1.99E-04	8.72E-05	8.72E-05
1557	441024.7	3769437	0.001078	1.08E-03	1.22E-03	1.22E-03	2.04E-04	2.04E-04	8.91E-05	8.91E-05
1558	440721.1	3769293	0.001064	1.06E-03	1.20E-03	1.20E-03	2.01E-04	2.01E-04	8.80E-05	8.80E-05
1559	440715	3769279	0.001087	1.09E-03	1.23E-03	1.23E-03	2.05E-04	2.05E-04	8.99E-05	8.99E-05
1560	440708.9	3769264	0.001109	1.11E-03	1.25E-03	1.25E-03	2.10E-04	2.10E-04	9.17E-05	9.17E-05
1561	440702.8	3769249	0.001133	1.13E-03	1.28E-03	1.28E-03	2.14E-04	2.14E-04	9.37E-05	9.37E-05
1562	440549.6	3768882	0.001841	1.84E-03	2.08E-03	2.08E-03	3.48E-04	3.48E-04	1.52E-04	1.52E-04
1563	440543.4	3768867	0.001868	1.87E-03	2.11E-03	2.11E-03	3.53E-04	3.53E-04	1.54E-04	1.54E-04
1564	440537.3	3768852	0.001895	1.90E-03	2.14E-03	2.14E-03	3.58E-04	3.58E-04	1.57E-04	1.57E-04
1565	440531.2	3768838	0.001921	1.92E-03	2.17E-03	2.17E-03	3.63E-04	3.63E-04	1.59E-04	1.59E-04
1566	440525.1	3768823	0.001946	1.95E-03	2.19E-03	2.19E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
1567	440518.9	3768808	0.00197	1.97E-03	2.22E-03	2.22E-03	3.72E-04	3.72E-04	1.63E-04	1.63E-04
1568	441260.9	3769531	0.000988	9.88E-04	1.11E-03	1.11E-03	1.87E-04	1.87E-04	8.17E-05	8.17E-05
1569	441277	3769531	0.000993	9.93E-04	1.12E-03	1.12E-03	1.88E-04	1.88E-04	8.21E-05	8.21E-05
1570	441230.5	3769562	0.000922	9.22E-04	1.04E-03	1.04E-03	1.74E-04	1.74E-04	7.62E-05	7.62E-05
1571	441215.6	3769556	0.00093	9.30E-04	1.05E-03	1.05E-03	1.76E-04	1.76E-04	7.69E-05	7.69E-05
1572	441170.9	3769538	0.00095	9.50E-04	1.07E-03	1.07E-03	1.80E-04	1.80E-04	7.86E-05	7.86E-05
1573	441156.1	3769531	0.000956	9.56E-04	1.08E-03	1.08E-03	1.81E-04	1.81E-04	7.91E-05	7.91E-05
1574	441141.2	3769525	0.000959	9.59E-04	1.08E-03	1.08E-03	1.81E-04	1.81E-04	7.93E-05	7.93E-05
1575	441126.3	3769519	0.000962	9.62E-04	1.08E-03	1.08E-03	1.82E-04	1.82E-04	7.95E-05	7.95E-05
1576	441111.4	3769513	0.000966	9.66E-04	1.09E-03	1.09E-03	1.83E-04	1.83E-04	7.99E-05	7.99E-05
1577	441096.5	3769507	0.000971	9.71E-04	1.09E-03	1.09E-03	1.84E-04	1.84E-04	8.03E-05	8.03E-05
1578	441081.6	3769501	0.000975	9.75E-04	1.10E-03	1.10E-03	1.84E-04	1.84E-04	8.06E-05	8.06E-05
1579	441066.8	3769495	0.00098	9.80E-04	1.10E-03	1.10E-03	1.85E-04	1.85E-04	8.10E-05	8.10E-05
1580	441051.9	3769488	0.000984	9.84E-04	1.11E-03	1.11E-03	1.86E-04	1.86E-04	8.13E-05	8.13E-05
1581	441037	3769482	0.000987	9.87E-04	1.11E-03	1.11E-03	1.87E-04	1.87E-04	8.16E-05	8.16E-05

1582	441022.1	3769476	0.000992	9.92E-04	1.12E-03	1.12E-03	1.88E-04	1.88E-04	8.20E-05	8.20E-05
1583	440992.3	3769464	0.001002	1.00E-03	1.13E-03	1.13E-03	1.89E-04	1.89E-04	8.29E-05	8.29E-05
1584	440977.4	3769458	0.001007	1.01E-03	1.14E-03	1.14E-03	1.90E-04	1.90E-04	8.33E-05	8.33E-05
1585	440962.6	3769451	0.001011	1.01E-03	1.14E-03	1.14E-03	1.91E-04	1.91E-04	8.36E-05	8.36E-05
1586	440947.7	3769445	0.001012	1.01E-03	1.14E-03	1.14E-03	1.91E-04	1.91E-04	8.37E-05	8.37E-05
1587	440932.8	3769439	0.001013	1.01E-03	1.14E-03	1.14E-03	1.92E-04	1.92E-04	8.38E-05	8.38E-05
1588	440917.9	3769433	0.001012	1.01E-03	1.14E-03	1.14E-03	1.91E-04	1.91E-04	8.37E-05	8.37E-05
1589	440680.4	3769292	0.001024	1.02E-03	1.15E-03	1.15E-03	1.94E-04	1.94E-04	8.47E-05	8.47E-05
1590	440674.2	3769277	0.001045	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.64E-05	8.64E-05
1591	440668	3769262	0.001067	1.07E-03	1.20E-03	1.20E-03	2.02E-04	2.02E-04	8.82E-05	8.82E-05
1592	440661.8	3769247	0.001089	1.09E-03	1.23E-03	1.23E-03	2.06E-04	2.06E-04	9.00E-05	9.00E-05
1593	440537.9	3768950	0.001606	1.61E-03	1.81E-03	1.81E-03	3.04E-04	3.04E-04	1.33E-04	1.33E-04
1594	440531.7	3768935	0.001632	1.63E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
1595	440525.5	3768920	0.001658	1.66E-03	1.87E-03	1.87E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
1596	440519.3	3768905	0.001684	1.68E-03	1.90E-03	1.90E-03	3.18E-04	3.18E-04	1.39E-04	1.39E-04
1597	440513.1	3768890	0.001709	1.71E-03	1.93E-03	1.93E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
1598	440506.9	3768876	0.001733	1.73E-03	1.95E-03	1.95E-03	3.28E-04	3.28E-04	1.43E-04	1.43E-04
1599	440500.7	3768861	0.001756	1.76E-03	1.98E-03	1.98E-03	3.32E-04	3.32E-04	1.45E-04	1.45E-04
1600	440494.5	3768846	0.001779	1.78E-03	2.01E-03	2.01E-03	3.36E-04	3.36E-04	1.47E-04	1.47E-04
1601	440488.3	3768831	0.001801	1.80E-03	2.03E-03	2.03E-03	3.40E-04	3.40E-04	1.49E-04	1.49E-04
1602	440482.1	3768816	0.001823	1.82E-03	2.05E-03	2.05E-03	3.45E-04	3.45E-04	1.51E-04	1.51E-04
1603	441245.4	3769608	0.000852	8.52E-04	9.60E-04	9.60E-04	1.61E-04	1.61E-04	7.04E-05	7.04E-05
1604	441230.5	3769602	0.000857	8.57E-04	9.66E-04	9.66E-04	1.62E-04	1.62E-04	7.08E-05	7.08E-05
1605	441215.7	3769596	0.000861	8.61E-04	9.71E-04	9.71E-04	1.63E-04	1.63E-04	7.12E-05	7.12E-05
1606	441141.5	3769565	0.000888	8.88E-04	1.00E-03	1.00E-03	1.68E-04	1.68E-04	7.34E-05	7.34E-05
1607	441126.6	3769559	0.000887	8.87E-04	1.00E-03	1.00E-03	1.68E-04	1.68E-04	7.34E-05	7.34E-05
1608	441111.8	3769553	0.000886	8.86E-04	9.99E-04	9.99E-04	1.68E-04	1.68E-04	7.33E-05	7.33E-05
1609	441096.9	3769547	0.000888	8.88E-04	1.00E-03	1.00E-03	1.68E-04	1.68E-04	7.34E-05	7.34E-05
1610	441082.1	3769541	0.000892	8.92E-04	1.01E-03	1.01E-03	1.69E-04	1.69E-04	7.37E-05	7.37E-05
1611	441067.2	3769535	0.000896	8.96E-04	1.01E-03	1.01E-03	1.69E-04	1.69E-04	7.41E-05	7.41E-05
1612	441052.4	3769529	0.000902	9.02E-04	1.02E-03	1.02E-03	1.70E-04	1.70E-04	7.46E-05	7.46E-05
1613	441037.6	3769522	0.000909	9.09E-04	1.02E-03	1.02E-03	1.72E-04	1.72E-04	7.52E-05	7.52E-05
1614	441022.7	3769516	0.000914	9.14E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.56E-05	7.56E-05
1615	441007.9	3769510	0.000919	9.19E-04	1.04E-03	1.04E-03	1.74E-04	1.74E-04	7.60E-05	7.60E-05
1616	440993	3769504	0.000922	9.22E-04	1.04E-03	1.04E-03	1.74E-04	1.74E-04	7.63E-05	7.63E-05
1617	440978.2	3769498	0.000928	9.28E-04	1.05E-03	1.05E-03	1.75E-04	1.75E-04	7.67E-05	7.67E-05
1618	440963.3	3769492	0.000933	9.33E-04	1.05E-03	1.05E-03	1.76E-04	1.76E-04	7.72E-05	7.72E-05
1619	440948.5	3769486	0.000938	9.38E-04	1.06E-03	1.06E-03	1.77E-04	1.77E-04	7.75E-05	7.75E-05
1620	440933.6	3769480	0.000941	9.41E-04	1.06E-03	1.06E-03	1.78E-04	1.78E-04	7.78E-05	7.78E-05
1621	440918.8	3769473	0.000943	9.43E-04	1.06E-03	1.06E-03	1.78E-04	1.78E-04	7.80E-05	7.80E-05
1622	440903.9	3769467	0.000945	9.45E-04	1.06E-03	1.06E-03	1.79E-04	1.79E-04	7.81E-05	7.81E-05
1623	440516.2	3768994	0.001443	1.44E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.19E-04	1.19E-04
1624	440510.1	3768979	0.001466	1.47E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
1625	440503.9	3768964	0.001489	1.49E-03	1.68E-03	1.68E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
1626	440497.7	3768950	0.001513	1.51E-03	1.71E-03	1.71E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
1627	440491.5	3768935	0.001536	1.54E-03	1.73E-03	1.73E-03	2.90E-04	2.90E-04	1.27E-04	1.27E-04
1628	440485.3	3768920	0.001559	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
1629	440479.2	3768905	0.001581	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
1630	440473	3768890	0.001602	1.60E-03	1.81E-03	1.81E-03	3.03E-04	3.03E-04	1.32E-04	1.32E-04
1631	440466.8	3768875	0.001624	1.62E-03	1.83E-03	1.83E-03	3.07E-04	3.07E-04	1.34E-04	1.34E-04
1632	440460.6	3768861	0.001645	1.65E-03	1.85E-03	1.85E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
1633	440454.4	3768846	0.001665	1.67E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
1634	440448.3	3768831	0.001685	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.39E-04	1.39E-04
1635	440442.1	3768816	0.001705	1.71E-03	1.92E-03	1.92E-03	3.22E-04	3.22E-04	1.41E-04	1.41E-04
1636	441260.9	3769611	0.000851	8.51E-04	9.60E-04	9.60E-04	1.61E-04	1.61E-04	7.04E-05	7.04E-05
1637	441277	3769611	0.000857	8.57E-04	9.66E-04	9.66E-04	1.62E-04	1.62E-04	7.08E-05	7.08E-05
1638	441245.4	3769648	0.000792	7.92E-04	8.93E-04	8.93E-04	1.50E-04	1.50E-04	6.55E-05	6.55E-05
1639	441230.6	3769642	0.000797	7.97E-04	8.98E-04	8.98E-04	1.51E-04	1.51E-04	6.59E-05	6.59E-05
1640	441215.8	3769636	0.000802	8.02E-04	9.04E-04	9.04E-04	1.52E-04	1.52E-04	6.63E-05	6.63E-05
1641	441186.2	3769624	0.000812	8.12E-04	9.15E-04	9.15E-04	1.53E-04	1.53E-04	6.71E-05	6.71E-05
1642	441171.4	3769618	0.000815	8.15E-04	9.19E-04	9.19E-04	1.54E-04	1.54E-04	6.74E-05	6.74E-05
1643	441156.5	3769612	0.000818	8.18E-04	9.22E-04	9.22E-04	1.55E-04	1.55E-04	6.76E-05	6.76E-05
1644	441141.7	3769606	0.00082	8.20E-04	9.24E-04	9.24E-04	1.55E-04	1.55E-04	6.78E-05	6.78E-05
1645	441126.9	3769599	0.000821	8.21E-04	9.25E-04	9.25E-04	1.55E-04	1.55E-04	6.79E-05	6.79E-05
1646	441112.1	3769593	0.000821	8.21E-04	9.26E-04	9.26E-04	1.55E-04	1.55E-04	6.79E-05	6.79E-05
1647	441097.3	3769587	0.000822	8.22E-04	9.27E-04	9.27E-04	1.55E-04	1.55E-04	6.80E-05	6.80E-05
1648	441038.1	3769563	0.000842	8.42E-04	9.49E-04	9.49E-04	1.59E-04	1.59E-04	6.96E-05	6.96E-05
1649	441023.3	3769557	0.000848	8.48E-04	9.56E-04	9.56E-04	1.60E-04	1.60E-04	7.01E-05	7.01E-05
1650	441008.4	3769550	0.000855	8.55E-04	9.64E-04	9.64E-04	1.62E-04	1.62E-04	7.07E-05	7.07E-05
1651	440993.6	3769544	0.000863	8.63E-04	9.73E-04	9.73E-04	1.63E-04	1.63E-04	7.13E-05	7.13E-05
1652	440978.8	3769538	0.000869	8.69E-04	9.80E-04	9.80E-04	1.64E-04	1.64E-04	7.19E-05	7.19E-05
1653	440964	3769532	0.000873	8.73E-04	9.83E-04	9.83E-04	1.65E-04	1.65E-04	7.21E-05	7.21E-05

1654	440949.2	3769526	0.000874	8.74E-04	9.85E-04	9.85E-04	1.65E-04	1.65E-04	7.23E-05	7.23E-05
1655	440934.4	3769520	0.000876	8.76E-04	9.87E-04	9.87E-04	1.66E-04	1.66E-04	7.24E-05	7.24E-05
1656	440919.6	3769514	0.000878	8.78E-04	9.90E-04	9.90E-04	1.66E-04	1.66E-04	7.26E-05	7.26E-05
1657	440904.8	3769508	0.00088	8.80E-04	9.92E-04	9.92E-04	1.66E-04	1.66E-04	7.28E-05	7.28E-05
1658	440890	3769501	0.000882	8.82E-04	9.94E-04	9.94E-04	1.67E-04	1.67E-04	7.29E-05	7.29E-05
1659	440875.2	3769495	0.000883	8.83E-04	9.95E-04	9.95E-04	1.67E-04	1.67E-04	7.30E-05	7.30E-05
1660	440860.3	3769489	0.000882	8.82E-04	9.94E-04	9.94E-04	1.67E-04	1.67E-04	7.29E-05	7.29E-05
1661	440845.5	3769483	0.000879	8.79E-04	9.91E-04	9.91E-04	1.66E-04	1.66E-04	7.27E-05	7.27E-05
1662	440830.7	3769477	0.000875	8.75E-04	9.87E-04	9.87E-04	1.65E-04	1.65E-04	7.24E-05	7.24E-05
1663	440801.1	3769465	0.000872	8.72E-04	9.83E-04	9.83E-04	1.65E-04	1.65E-04	7.21E-05	7.21E-05
1664	440756.7	3769446	0.000865	8.65E-04	9.75E-04	9.75E-04	1.63E-04	1.63E-04	7.15E-05	7.15E-05
1665	440741.9	3769440	0.00086	8.60E-04	9.70E-04	9.70E-04	1.63E-04	1.63E-04	7.11E-05	7.11E-05
1666	440727.1	3769434	0.000856	8.56E-04	9.65E-04	9.65E-04	1.62E-04	1.62E-04	7.08E-05	7.08E-05
1667	440712.3	3769428	0.000851	8.51E-04	9.59E-04	9.59E-04	1.61E-04	1.61E-04	7.04E-05	7.04E-05
1668	440697.4	3769422	0.000847	8.47E-04	9.54E-04	9.54E-04	1.60E-04	1.60E-04	7.00E-05	7.00E-05
1669	440476	3768994	0.001364	1.36E-03	1.54E-03	1.54E-03	2.58E-04	2.58E-04	1.13E-04	1.13E-04
1670	440469.9	3768979	0.001385	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
1671	440463.7	3768964	0.001407	1.41E-03	1.59E-03	1.59E-03	2.66E-04	2.66E-04	1.16E-04	1.16E-04
1672	440457.6	3768949	0.001428	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
1673	440451.4	3768935	0.001448	1.45E-03	1.63E-03	1.63E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
1674	440445.2	3768920	0.001469	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.21E-04	1.21E-04
1675	440439.1	3768905	0.001488	1.49E-03	1.68E-03	1.68E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
1676	440432.9	3768890	0.001508	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.25E-04	1.25E-04
1677	440426.7	3768875	0.001527	1.53E-03	1.72E-03	1.72E-03	2.89E-04	2.89E-04	1.26E-04	1.26E-04
1678	440420.6	3768861	0.001545	1.55E-03	1.74E-03	1.74E-03	2.92E-04	2.92E-04	1.28E-04	1.28E-04
1679	440414.4	3768846	0.001564	1.56E-03	1.76E-03	1.76E-03	2.96E-04	2.96E-04	1.29E-04	1.29E-04
1680	440408.2	3768831	0.001581	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
1681	440402.1	3768816	0.001598	1.60E-03	1.80E-03	1.80E-03	3.02E-04	3.02E-04	1.32E-04	1.32E-04
1682	441260.9	3769651	0.000792	7.92E-04	8.92E-04	8.92E-04	1.50E-04	1.50E-04	6.54E-05	6.54E-05
1683	441277	3769651	0.000797	7.97E-04	8.98E-04	8.98E-04	1.51E-04	1.51E-04	6.59E-05	6.59E-05
1684	441245.4	3769688	0.00074	7.40E-04	8.34E-04	8.34E-04	1.40E-04	1.40E-04	6.12E-05	6.12E-05
1685	441230.6	3769682	0.000745	7.45E-04	8.40E-04	8.40E-04	1.41E-04	1.41E-04	6.16E-05	6.16E-05
1686	441186.3	3769664	0.000755	7.55E-04	8.51E-04	8.51E-04	1.43E-04	1.43E-04	6.24E-05	6.24E-05
1687	441171.5	3769658	0.000759	7.59E-04	8.55E-04	8.55E-04	1.43E-04	1.43E-04	6.27E-05	6.27E-05
1688	441156.8	3769652	0.000763	7.63E-04	8.60E-04	8.60E-04	1.44E-04	1.44E-04	6.31E-05	6.31E-05
1689	441142	3769646	0.000767	7.67E-04	8.64E-04	8.64E-04	1.45E-04	1.45E-04	6.34E-05	6.34E-05
1690	441127.2	3769640	0.000769	7.69E-04	8.67E-04	8.67E-04	1.45E-04	1.45E-04	6.36E-05	6.36E-05
1691	441112.4	3769633	0.000772	7.72E-04	8.70E-04	8.70E-04	1.46E-04	1.46E-04	6.38E-05	6.38E-05
1692	441097.6	3769627	0.000774	7.74E-04	8.73E-04	8.73E-04	1.46E-04	1.46E-04	6.40E-05	6.40E-05
1693	441082.9	3769621	0.000777	7.77E-04	8.76E-04	8.76E-04	1.47E-04	1.47E-04	6.42E-05	6.42E-05
1694	441068.1	3769615	0.00078	7.80E-04	8.79E-04	8.79E-04	1.47E-04	1.47E-04	6.45E-05	6.45E-05
1695	441053.3	3769609	0.000784	7.84E-04	8.84E-04	8.84E-04	1.48E-04	1.48E-04	6.48E-05	6.48E-05
1696	441023.8	3769597	0.000797	7.97E-04	8.98E-04	8.98E-04	1.51E-04	1.51E-04	6.59E-05	6.59E-05
1697	441009	3769591	0.000802	8.02E-04	9.04E-04	9.04E-04	1.52E-04	1.52E-04	6.63E-05	6.63E-05
1698	440994.2	3769585	0.000807	8.07E-04	9.10E-04	9.10E-04	1.53E-04	1.53E-04	6.67E-05	6.67E-05
1699	440935.1	3769560	0.000819	8.19E-04	9.24E-04	9.24E-04	1.55E-04	1.55E-04	6.77E-05	6.77E-05
1700	440920.3	3769554	0.00082	8.20E-04	9.24E-04	9.24E-04	1.55E-04	1.55E-04	6.78E-05	6.78E-05
1701	440905.5	3769548	0.000821	8.21E-04	9.25E-04	9.25E-04	1.55E-04	1.55E-04	6.79E-05	6.79E-05
1702	440890.8	3769542	0.000824	8.24E-04	9.28E-04	9.28E-04	1.56E-04	1.56E-04	6.81E-05	6.81E-05
1703	440876	3769536	0.000825	8.25E-04	9.30E-04	9.30E-04	1.56E-04	1.56E-04	6.82E-05	6.82E-05
1704	440861.2	3769530	0.000825	8.25E-04	9.30E-04	9.30E-04	1.56E-04	1.56E-04	6.82E-05	6.82E-05
1705	440846.4	3769523	0.000824	8.24E-04	9.29E-04	9.29E-04	1.56E-04	1.56E-04	6.81E-05	6.81E-05
1706	440831.6	3769517	0.000821	8.21E-04	9.25E-04	9.25E-04	1.55E-04	1.55E-04	6.78E-05	6.78E-05
1707	440802.1	3769505	0.000816	8.16E-04	9.20E-04	9.20E-04	1.54E-04	1.54E-04	6.75E-05	6.75E-05
1708	440787.3	3769499	0.000814	8.14E-04	9.18E-04	9.18E-04	1.54E-04	1.54E-04	6.73E-05	6.73E-05
1709	440772.5	3769493	0.000814	8.14E-04	9.17E-04	9.17E-04	1.54E-04	1.54E-04	6.73E-05	6.73E-05
1710	440757.8	3769487	0.000812	8.12E-04	9.16E-04	9.16E-04	1.54E-04	1.54E-04	6.72E-05	6.72E-05
1711	440743	3769481	0.00081	8.10E-04	9.13E-04	9.13E-04	1.53E-04	1.53E-04	6.70E-05	6.70E-05
1712	440728.2	3769475	0.000807	8.07E-04	9.10E-04	9.10E-04	1.53E-04	1.53E-04	6.67E-05	6.67E-05
1713	440713.4	3769469	0.000803	8.03E-04	9.05E-04	9.05E-04	1.52E-04	1.52E-04	6.64E-05	6.64E-05
1714	440698.6	3769462	0.000798	7.98E-04	9.00E-04	9.00E-04	1.51E-04	1.51E-04	6.60E-05	6.60E-05
1715	440683.9	3769456	0.000793	7.93E-04	8.94E-04	8.94E-04	1.50E-04	1.50E-04	6.56E-05	6.56E-05
1716	440669.1	3769450	0.000788	7.88E-04	8.89E-04	8.89E-04	1.49E-04	1.49E-04	6.52E-05	6.52E-05
1717	440654.3	3769444	0.000787	7.87E-04	8.87E-04	8.87E-04	1.49E-04	1.49E-04	6.50E-05	6.50E-05
1718	440639.5	3769438	0.000785	7.85E-04	8.85E-04	8.85E-04	1.48E-04	1.48E-04	6.49E-05	6.49E-05
1719	440624.8	3769432	0.000785	7.85E-04	8.84E-04	8.84E-04	1.48E-04	1.48E-04	6.49E-05	6.49E-05
1720	440405.1	3768920	0.001385	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
1721	440399	3768905	0.001403	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04
1722	440392.8	3768890	0.001421	1.42E-03	1.60E-03	1.60E-03	2.69E-04	2.69E-04	1.17E-04	1.17E-04
1723	440386.6	3768875	0.001438	1.44E-03	1.62E-03	1.62E-03	2.72E-04	2.72E-04	1.19E-04	1.19E-04
1724	440380.5	3768861	0.001455	1.46E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
1725	440374.3	3768846	0.001471	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.22E-04	1.22E-04

1726	440368.2	3768831	0.001487	1.49E-03	1.68E-03	1.68E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
1727	440362	3768816	0.001502	1.50E-03	1.69E-03	1.69E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
1728	441260.9	3769691	0.000738	7.38E-04	8.32E-04	8.32E-04	1.40E-04	1.40E-04	6.10E-05	6.10E-05
1729	441277	3769691	0.000742	7.42E-04	8.36E-04	8.36E-04	1.40E-04	1.40E-04	6.13E-05	6.13E-05
1730	441184.9	3768799	0.02031	2.03E-02	2.29E-02	2.29E-02	3.84E-03	3.84E-03	1.68E-03	1.68E-03
1731	441164.9	3768798	0.01737	1.74E-02	1.96E-02	1.96E-02	3.28E-03	3.28E-03	1.44E-03	1.44E-03
1732	441144.9	3768798	0.0151	1.51E-02	1.70E-02	1.70E-02	2.85E-03	2.85E-03	1.25E-03	1.25E-03
1733	441124.9	3768798	0.01328	1.33E-02	1.50E-02	1.50E-02	2.51E-03	2.51E-03	1.10E-03	1.10E-03
1734	441104.9	3768797	0.01181	1.18E-02	1.33E-02	1.33E-02	2.23E-03	2.23E-03	9.77E-04	9.77E-04
1735	441084.9	3768797	0.0106	1.06E-02	1.19E-02	1.19E-02	2.00E-03	2.00E-03	8.76E-04	8.76E-04
1736	440545	3768789	0.002132	2.13E-03	2.40E-03	2.40E-03	4.03E-04	4.03E-04	1.76E-04	1.76E-04
1737	440465.1	3768779	0.00187	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
1738	441137.3	3768830	0.0115	1.15E-02	1.30E-02	1.30E-02	2.17E-03	2.17E-03	9.51E-04	9.51E-04
1739	441117.4	3768830	0.01038	1.04E-02	1.17E-02	1.17E-02	1.96E-03	1.96E-03	8.58E-04	8.58E-04
1740	441097.5	3768830	0.009425	9.43E-03	1.06E-02	1.06E-02	1.78E-03	1.78E-03	7.79E-04	7.79E-04
1741	441090.3	3768854	0.007979	7.98E-03	8.99E-03	8.99E-03	1.51E-03	1.51E-03	6.60E-04	6.60E-04
1742	441296.2	3769251	0.002084	2.08E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
1743	441286.9	3769250	0.002075	2.08E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.72E-04	1.72E-04
1744	441221.5	3769244	0.002006	2.01E-03	2.26E-03	2.26E-03	3.79E-04	3.79E-04	1.66E-04	1.66E-04
1745	441202.8	3769242	0.001986	1.99E-03	2.24E-03	2.24E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04
1746	441193.5	3769241	0.001976	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.63E-04	1.63E-04
1747	441184.2	3769241	0.001965	1.97E-03	2.21E-03	2.21E-03	3.71E-04	3.71E-04	1.62E-04	1.62E-04
1748	441174.8	3769240	0.001955	1.96E-03	2.20E-03	2.20E-03	3.70E-04	3.70E-04	1.62E-04	1.62E-04
1749	441165.5	3769239	0.00193	1.93E-03	2.18E-03	2.18E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
1750	441156.2	3769238	0.001918	1.92E-03	2.16E-03	2.16E-03	3.63E-04	3.63E-04	1.59E-04	1.59E-04
1751	441146.8	3769237	0.001906	1.91E-03	2.15E-03	2.15E-03	3.60E-04	3.60E-04	1.58E-04	1.58E-04
1752	441137.5	3769236	0.001894	1.89E-03	2.13E-03	2.13E-03	3.58E-04	3.58E-04	1.57E-04	1.57E-04
1753	441081.5	3769231	0.001818	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.50E-04	1.50E-04
1754	441072.2	3769230	0.001805	1.81E-03	2.03E-03	2.03E-03	3.41E-04	3.41E-04	1.49E-04	1.49E-04
1755	441062.8	3769230	0.001792	1.79E-03	2.02E-03	2.02E-03	3.39E-04	3.39E-04	1.48E-04	1.48E-04
1756	441053.5	3769229	0.001778	1.78E-03	2.00E-03	2.00E-03	3.36E-04	3.36E-04	1.47E-04	1.47E-04
1757	441044.2	3769228	0.001764	1.76E-03	1.99E-03	1.99E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
1758	441034.8	3769227	0.00175	1.75E-03	1.97E-03	1.97E-03	3.31E-04	3.31E-04	1.45E-04	1.45E-04
1759	441025.5	3769226	0.001736	1.74E-03	1.96E-03	1.96E-03	3.28E-04	3.28E-04	1.44E-04	1.44E-04
1760	441002.5	3769216	0.001731	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
1761	440998.1	3769208	0.001756	1.76E-03	1.98E-03	1.98E-03	3.32E-04	3.32E-04	1.45E-04	1.45E-04
1762	441265	3769283	0.001816	1.82E-03	2.05E-03	2.05E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
1763	441255.7	3769282	0.001807	1.81E-03	2.04E-03	2.04E-03	3.42E-04	3.42E-04	1.49E-04	1.49E-04
1764	441068.7	3769265	0.001645	1.65E-03	1.85E-03	1.85E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
1765	441059.4	3769264	0.001634	1.63E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
1766	441050	3769264	0.001621	1.62E-03	1.83E-03	1.83E-03	3.06E-04	3.06E-04	1.34E-04	1.34E-04
1767	441040.7	3769263	0.001608	1.61E-03	1.81E-03	1.81E-03	3.04E-04	3.04E-04	1.33E-04	1.33E-04
1768	441031.3	3769262	0.001594	1.59E-03	1.80E-03	1.80E-03	3.01E-04	3.01E-04	1.32E-04	1.32E-04
1769	441022	3769261	0.001582	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
1770	441012.6	3769260	0.00157	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
1771	441003.3	3769259	0.001557	1.56E-03	1.76E-03	1.76E-03	2.94E-04	2.94E-04	1.29E-04	1.29E-04
1772	440975.9	3769241	0.001573	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
1773	440971.5	3769233	0.001596	1.60E-03	1.80E-03	1.80E-03	3.02E-04	3.02E-04	1.32E-04	1.32E-04
1774	440967.1	3769224	0.00162	1.62E-03	1.83E-03	1.83E-03	3.06E-04	3.06E-04	1.34E-04	1.34E-04
1775	441055.9	3769299	0.001494	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.24E-04	1.24E-04
1776	441046.6	3769299	0.001484	1.48E-03	1.67E-03	1.67E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
1777	441037.2	3769298	0.001474	1.47E-03	1.66E-03	1.66E-03	2.79E-04	2.79E-04	1.22E-04	1.22E-04
1778	441027.9	3769297	0.001464	1.46E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
1779	441018.5	3769296	0.001454	1.45E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
1780	441009.1	3769295	0.001444	1.44E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.19E-04	1.19E-04
1781	440999.8	3769294	0.001433	1.43E-03	1.62E-03	1.62E-03	2.71E-04	2.71E-04	1.18E-04	1.18E-04
1782	440990.4	3769293	0.00142	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
1783	440927.4	3769224	0.001548	1.55E-03	1.74E-03	1.74E-03	2.93E-04	2.93E-04	1.28E-04	1.28E-04
1784	440923.1	3769216	0.00157	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
1785	440918.7	3769208	0.001592	1.59E-03	1.79E-03	1.79E-03	3.01E-04	3.01E-04	1.32E-04	1.32E-04
1786	440914.3	3769199	0.001614	1.61E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.33E-04	1.33E-04
1787	440900.8	3769249	0.001418	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
1788	440896.4	3769241	0.001435	1.44E-03	1.62E-03	1.62E-03	2.71E-04	2.71E-04	1.19E-04	1.19E-04
1789	440892	3769232	0.001452	1.45E-03	1.64E-03	1.64E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
1790	440878.9	3769207	0.001507	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.25E-04	1.25E-04
1791	440874.6	3769199	0.001526	1.53E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
1792	440852.3	3769232	0.001381	1.38E-03	1.56E-03	1.56E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
1793	440847.9	3769224	0.001396	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.15E-04	1.15E-04
1794	440843.5	3769216	0.001413	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
1795	440839.1	3769207	0.00143	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
1796	440986.1	3769434	0.001061	1.06E-03	1.20E-03	1.20E-03	2.01E-04	2.01E-04	8.77E-05	8.77E-05
1797	440976.7	3769433	0.001057	1.06E-03	1.19E-03	1.19E-03	2.00E-04	2.00E-04	8.74E-05	8.74E-05

1798	440967.3	3769432	0.001052	1.05E-03	1.19E-03	1.19E-03	1.99E-04	1.99E-04	8.70E-05	8.70E-05
1799	440957.9	3769432	0.001047	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.66E-05	8.66E-05
1800	440948.6	3769431	0.001041	1.04E-03	1.17E-03	1.17E-03	1.97E-04	1.97E-04	8.61E-05	8.61E-05
1801	440939.2	3769430	0.001035	1.04E-03	1.17E-03	1.17E-03	1.96E-04	1.96E-04	8.56E-05	8.56E-05
1802	440549.2	3768806	0.002092	2.09E-03	2.36E-03	2.36E-03	3.95E-04	3.95E-04	1.73E-04	1.73E-04
1803	441584.4	3769524	0.001247	1.25E-03	1.41E-03	1.41E-03	2.36E-04	2.36E-04	1.03E-04	1.03E-04
1804	441575	3769523	0.001242	1.24E-03	1.40E-03	1.40E-03	2.35E-04	2.35E-04	1.03E-04	1.03E-04
1805	441565.6	3769522	0.001236	1.24E-03	1.39E-03	1.39E-03	2.34E-04	2.34E-04	1.02E-04	1.02E-04
1806	441556.2	3769522	0.001229	1.23E-03	1.39E-03	1.39E-03	2.32E-04	2.32E-04	1.02E-04	1.02E-04
1807	441434	3769510	0.001135	1.14E-03	1.28E-03	1.28E-03	2.15E-04	2.15E-04	9.38E-05	9.38E-05
1808	441424.6	3769510	0.001129	1.13E-03	1.27E-03	1.27E-03	2.13E-04	2.13E-04	9.34E-05	9.34E-05
1809	441415.2	3769509	0.001123	1.12E-03	1.27E-03	1.27E-03	2.12E-04	2.12E-04	9.29E-05	9.29E-05
1810	441405.8	3769508	0.001119	1.12E-03	1.26E-03	1.26E-03	2.12E-04	2.12E-04	9.25E-05	9.25E-05
1811	441396.4	3769507	0.001115	1.12E-03	1.26E-03	1.26E-03	2.11E-04	2.11E-04	9.22E-05	9.22E-05
1812	441387	3769506	0.001111	1.11E-03	1.25E-03	1.25E-03	2.10E-04	2.10E-04	9.19E-05	9.19E-05
1813	441377.6	3769505	0.001107	1.11E-03	1.25E-03	1.25E-03	2.09E-04	2.09E-04	9.15E-05	9.15E-05
1814	441368.2	3769504	0.001104	1.10E-03	1.24E-03	1.24E-03	2.09E-04	2.09E-04	9.13E-05	9.13E-05
1815	441358.8	3769503	0.0011	1.10E-03	1.24E-03	1.24E-03	2.08E-04	2.08E-04	9.10E-05	9.10E-05
1816	441349.4	3769503	0.001097	1.10E-03	1.24E-03	1.24E-03	2.07E-04	2.07E-04	9.07E-05	9.07E-05
1817	441340	3769502	0.001094	1.09E-03	1.23E-03	1.23E-03	2.07E-04	2.07E-04	9.05E-05	9.05E-05
1818	441330.6	3769501	0.001092	1.09E-03	1.23E-03	1.23E-03	2.06E-04	2.06E-04	9.03E-05	9.03E-05
1819	441321.2	3769500	0.001087	1.09E-03	1.23E-03	1.23E-03	2.05E-04	2.05E-04	8.99E-05	8.99E-05
1820	441311.8	3769499	0.001083	1.08E-03	1.22E-03	1.22E-03	2.05E-04	2.05E-04	8.95E-05	8.95E-05
1821	441302.4	3769498	0.001079	1.08E-03	1.22E-03	1.22E-03	2.04E-04	2.04E-04	8.92E-05	8.92E-05
1822	441293	3769497	0.001077	1.08E-03	1.21E-03	1.21E-03	2.04E-04	2.04E-04	8.91E-05	8.91E-05
1823	441236.6	3769492	0.001061	1.06E-03	1.20E-03	1.20E-03	2.01E-04	2.01E-04	8.77E-05	8.77E-05
1824	441227.2	3769491	0.001059	1.06E-03	1.19E-03	1.19E-03	2.00E-04	2.00E-04	8.76E-05	8.76E-05
1825	441217.8	3769491	0.001057	1.06E-03	1.19E-03	1.19E-03	2.00E-04	2.00E-04	8.74E-05	8.74E-05
1826	441208.4	3769490	0.001055	1.06E-03	1.19E-03	1.19E-03	1.99E-04	1.99E-04	8.72E-05	8.72E-05
1827	441180.2	3769487	0.00105	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.68E-05	8.68E-05
1828	441170.8	3769486	0.001049	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.67E-05	8.67E-05
1829	441152	3769485	0.001045	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.64E-05	8.64E-05
1830	441105	3769480	0.001034	1.03E-03	1.17E-03	1.17E-03	1.95E-04	1.95E-04	8.55E-05	8.55E-05
1831	441095.6	3769479	0.001031	1.03E-03	1.16E-03	1.16E-03	1.95E-04	1.95E-04	8.52E-05	8.52E-05
1832	441086.2	3769479	0.001028	1.03E-03	1.16E-03	1.16E-03	1.94E-04	1.94E-04	8.50E-05	8.50E-05
1833	441076.8	3769478	0.001024	1.02E-03	1.15E-03	1.15E-03	1.94E-04	1.94E-04	8.47E-05	8.47E-05
1834	441067.4	3769477	0.00102	1.02E-03	1.15E-03	1.15E-03	1.93E-04	1.93E-04	8.43E-05	8.43E-05
1835	441058	3769476	0.001015	1.02E-03	1.14E-03	1.14E-03	1.92E-04	1.92E-04	8.39E-05	8.39E-05
1836	441048.6	3769475	0.001011	1.01E-03	1.14E-03	1.14E-03	1.91E-04	1.91E-04	8.36E-05	8.36E-05
1837	440982.8	3769469	0.000987	9.87E-04	1.11E-03	1.11E-03	1.87E-04	1.87E-04	8.16E-05	8.16E-05
1838	440973.4	3769468	0.000985	9.85E-04	1.11E-03	1.11E-03	1.86E-04	1.86E-04	8.14E-05	8.14E-05
1839	440964	3769467	0.000981	9.81E-04	1.11E-03	1.11E-03	1.85E-04	1.85E-04	8.11E-05	8.11E-05
1840	440954.6	3769467	0.000976	9.76E-04	1.10E-03	1.10E-03	1.85E-04	1.85E-04	8.07E-05	8.07E-05
1841	440945.2	3769466	0.000972	9.72E-04	1.10E-03	1.10E-03	1.84E-04	1.84E-04	8.04E-05	8.04E-05
1842	440935.8	3769465	0.000968	9.68E-04	1.09E-03	1.09E-03	1.83E-04	1.83E-04	8.00E-05	8.00E-05
1843	440926.4	3769464	0.000964	9.64E-04	1.09E-03	1.09E-03	1.82E-04	1.82E-04	7.97E-05	7.97E-05
1844	440917	3769463	0.000959	9.59E-04	1.08E-03	1.08E-03	1.81E-04	1.81E-04	7.93E-05	7.93E-05
1845	440776.6	3769315	0.001084	1.08E-03	1.22E-03	1.22E-03	2.05E-04	2.05E-04	8.96E-05	8.96E-05
1846	440772.3	3769307	0.001095	1.10E-03	1.23E-03	1.23E-03	2.07E-04	2.07E-04	9.05E-05	9.05E-05
1847	440763.5	3769290	0.00112	1.12E-03	1.26E-03	1.26E-03	2.12E-04	2.12E-04	9.26E-05	9.26E-05
1848	440509.3	3768805	0.001946	1.95E-03	2.19E-03	2.19E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
1849	441593.8	3769525	0.001252	1.25E-03	1.41E-03	1.41E-03	2.37E-04	2.37E-04	1.04E-04	1.04E-04
1850	441602.5	3769521	0.001272	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
1851	441611.2	3769517	0.001293	1.29E-03	1.46E-03	1.46E-03	2.44E-04	2.44E-04	1.07E-04	1.07E-04
1852	441619.9	3769514	0.001313	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.09E-04	1.09E-04
1853	441628.6	3769510	0.001335	1.34E-03	1.50E-03	1.50E-03	2.52E-04	2.52E-04	1.10E-04	1.10E-04
1854	441600.3	3769561	0.001154	1.15E-03	1.30E-03	1.30E-03	2.18E-04	2.18E-04	9.54E-05	9.54E-05
1855	441590.9	3769560	0.00115	1.15E-03	1.30E-03	1.30E-03	2.17E-04	2.17E-04	9.51E-05	9.51E-05
1856	441581.5	3769559	0.001146	1.15E-03	1.29E-03	1.29E-03	2.17E-04	2.17E-04	9.48E-05	9.48E-05
1857	441572.1	3769558	0.001141	1.14E-03	1.29E-03	1.29E-03	2.16E-04	2.16E-04	9.43E-05	9.43E-05
1858	441562.7	3769557	0.001135	1.14E-03	1.28E-03	1.28E-03	2.15E-04	2.15E-04	9.38E-05	9.38E-05
1859	441431	3769545	0.001046	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.65E-05	8.65E-05
1860	441421.6	3769545	0.001042	1.04E-03	1.17E-03	1.17E-03	1.97E-04	1.97E-04	8.62E-05	8.62E-05
1861	441412.2	3769544	0.001038	1.04E-03	1.17E-03	1.17E-03	1.96E-04	1.96E-04	8.58E-05	8.58E-05
1862	441402.7	3769543	0.001034	1.03E-03	1.17E-03	1.17E-03	1.95E-04	1.95E-04	8.55E-05	8.55E-05
1863	441393.3	3769542	0.00103	1.03E-03	1.16E-03	1.16E-03	1.95E-04	1.95E-04	8.52E-05	8.52E-05
1864	441383.9	3769541	0.001027	1.03E-03	1.16E-03	1.16E-03	1.94E-04	1.94E-04	8.49E-05	8.49E-05
1865	441374.5	3769540	0.001024	1.02E-03	1.15E-03	1.15E-03	1.94E-04	1.94E-04	8.47E-05	8.47E-05
1866	441365.1	3769539	0.001021	1.02E-03	1.15E-03	1.15E-03	1.93E-04	1.93E-04	8.44E-05	8.44E-05
1867	441355.7	3769538	0.001017	1.02E-03	1.15E-03	1.15E-03	1.92E-04	1.92E-04	8.41E-05	8.41E-05
1868	441346.3	3769538	0.001013	1.01E-03	1.14E-03	1.14E-03	1.92E-04	1.92E-04	8.38E-05	8.38E-05
1869	441336.9	3769537	0.001009	1.01E-03	1.14E-03	1.14E-03	1.91E-04	1.91E-04	8.34E-05	8.34E-05

1870	441327.5	3769536	0.001005	1.01E-03	1.13E-03	1.13E-03	1.90E-04	1.90E-04	8.31E-05	8.31E-05
1871	441318.1	3769535	0.001002	1.00E-03	1.13E-03	1.13E-03	1.89E-04	1.89E-04	8.29E-05	8.29E-05
1872	441308.7	3769534	0.001	1.00E-03	1.13E-03	1.13E-03	1.89E-04	1.89E-04	8.27E-05	8.27E-05
1873	441299.3	3769533	0.000998	9.98E-04	1.12E-03	1.12E-03	1.89E-04	1.89E-04	8.25E-05	8.25E-05
1874	441289.9	3769532	0.000996	9.96E-04	1.12E-03	1.12E-03	1.88E-04	1.88E-04	8.23E-05	8.23E-05
1875	441214.6	3769526	0.000985	9.85E-04	1.11E-03	1.11E-03	1.86E-04	1.86E-04	8.15E-05	8.15E-05
1876	441205.2	3769525	0.000984	9.84E-04	1.11E-03	1.11E-03	1.86E-04	1.86E-04	8.14E-05	8.14E-05
1877	441177	3769522	0.000982	9.82E-04	1.11E-03	1.11E-03	1.86E-04	1.86E-04	8.12E-05	8.12E-05
1878	441167.6	3769521	0.00098	9.80E-04	1.10E-03	1.10E-03	1.85E-04	1.85E-04	8.10E-05	8.10E-05
1879	441158.2	3769520	0.000977	9.77E-04	1.10E-03	1.10E-03	1.85E-04	1.85E-04	8.08E-05	8.08E-05
1880	441148.8	3769520	0.000975	9.75E-04	1.10E-03	1.10E-03	1.84E-04	1.84E-04	8.06E-05	8.06E-05
1881	441101.7	3769515	0.000956	9.56E-04	1.08E-03	1.08E-03	1.81E-04	1.81E-04	7.90E-05	7.90E-05
1882	441082.9	3769514	0.000948	9.48E-04	1.07E-03	1.07E-03	1.79E-04	1.79E-04	7.84E-05	7.84E-05
1883	441073.5	3769513	0.000944	9.44E-04	1.06E-03	1.06E-03	1.79E-04	1.79E-04	7.81E-05	7.81E-05
1884	441064.1	3769512	0.000941	9.41E-04	1.06E-03	1.06E-03	1.78E-04	1.78E-04	7.78E-05	7.78E-05
1885	441054.7	3769511	0.000937	9.37E-04	1.06E-03	1.06E-03	1.77E-04	1.77E-04	7.75E-05	7.75E-05
1886	441045.3	3769510	0.000935	9.35E-04	1.05E-03	1.05E-03	1.77E-04	1.77E-04	7.73E-05	7.73E-05
1887	441035.9	3769509	0.000931	9.31E-04	1.05E-03	1.05E-03	1.76E-04	1.76E-04	7.70E-05	7.70E-05
1888	441017.1	3769508	0.000926	9.26E-04	1.04E-03	1.04E-03	1.75E-04	1.75E-04	7.66E-05	7.66E-05
1889	440970	3769503	0.000916	9.16E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.57E-05	7.57E-05
1890	440960.6	3769502	0.000913	9.13E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.55E-05	7.55E-05
1891	440951.2	3769502	0.000911	9.11E-04	1.03E-03	1.03E-03	1.72E-04	1.72E-04	7.53E-05	7.53E-05
1892	440941.8	3769501	0.000908	9.08E-04	1.02E-03	1.02E-03	1.72E-04	1.72E-04	7.51E-05	7.51E-05
1893	440932.4	3769500	0.000905	9.05E-04	1.02E-03	1.02E-03	1.71E-04	1.71E-04	7.49E-05	7.49E-05
1894	440923	3769499	0.000903	9.03E-04	1.02E-03	1.02E-03	1.71E-04	1.71E-04	7.46E-05	7.46E-05
1895	440913.6	3769498	0.000899	8.99E-04	1.01E-03	1.01E-03	1.70E-04	1.70E-04	7.44E-05	7.44E-05
1896	440904.2	3769497	0.000896	8.96E-04	1.01E-03	1.01E-03	1.69E-04	1.69E-04	7.41E-05	7.41E-05
1897	440847.7	3769492	0.000868	8.68E-04	9.79E-04	9.79E-04	1.64E-04	1.64E-04	7.18E-05	7.18E-05
1898	440838.3	3769491	0.000862	8.62E-04	9.71E-04	9.71E-04	1.63E-04	1.63E-04	7.13E-05	7.13E-05
1899	440473.6	3768813	0.001806	1.81E-03	2.04E-03	2.04E-03	3.41E-04	3.41E-04	1.49E-04	1.49E-04
1900	440469.3	3768804	0.001815	1.82E-03	2.05E-03	2.05E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
1901	441609.7	3769562	0.001161	1.16E-03	1.31E-03	1.31E-03	2.19E-04	2.19E-04	9.60E-05	9.60E-05
1902	441618.4	3769558	0.001178	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.74E-05	9.74E-05
1903	441627.1	3769554	0.001196	1.20E-03	1.35E-03	1.35E-03	2.26E-04	2.26E-04	9.89E-05	9.89E-05
1904	441635.7	3769550	0.001215	1.22E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.00E-04	1.00E-04
1905	441644.4	3769547	0.001235	1.24E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
1906	441616.2	3769598	0.001086	1.09E-03	1.22E-03	1.22E-03	2.05E-04	2.05E-04	8.98E-05	8.98E-05
1907	441606.9	3769597	0.001079	1.08E-03	1.22E-03	1.22E-03	2.04E-04	2.04E-04	8.92E-05	8.92E-05
1908	441597.6	3769596	0.001072	1.07E-03	1.21E-03	1.21E-03	2.03E-04	2.03E-04	8.86E-05	8.86E-05
1909	441588.3	3769595	0.001065	1.07E-03	1.20E-03	1.20E-03	2.01E-04	2.01E-04	8.81E-05	8.81E-05
1910	441579	3769594	0.001059	1.06E-03	1.19E-03	1.19E-03	2.00E-04	2.00E-04	8.76E-05	8.76E-05
1911	441569.7	3769593	0.001053	1.05E-03	1.19E-03	1.19E-03	1.99E-04	1.99E-04	8.71E-05	8.71E-05
1912	441560.4	3769592	0.001049	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.67E-05	8.67E-05
1913	441551.1	3769592	0.001045	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.64E-05	8.64E-05
1914	441541.8	3769591	0.001041	1.04E-03	1.17E-03	1.17E-03	1.97E-04	1.97E-04	8.61E-05	8.61E-05
1915	441532.5	3769590	0.001035	1.04E-03	1.17E-03	1.17E-03	1.96E-04	1.96E-04	8.56E-05	8.56E-05
1916	441523.2	3769589	0.00103	1.03E-03	1.16E-03	1.16E-03	1.95E-04	1.95E-04	8.52E-05	8.52E-05
1917	441513.9	3769588	0.001024	1.02E-03	1.15E-03	1.15E-03	1.94E-04	1.94E-04	8.47E-05	8.47E-05
1918	441504.6	3769587	0.001018	1.02E-03	1.15E-03	1.15E-03	1.92E-04	1.92E-04	8.42E-05	8.42E-05
1919	441495.3	3769587	0.001013	1.01E-03	1.14E-03	1.14E-03	1.92E-04	1.92E-04	8.38E-05	8.38E-05
1920	441486	3769586	0.001008	1.01E-03	1.14E-03	1.14E-03	1.91E-04	1.91E-04	8.33E-05	8.33E-05
1921	441476.7	3769585	0.001002	1.00E-03	1.13E-03	1.13E-03	1.89E-04	1.89E-04	8.29E-05	8.29E-05
1922	441467.4	3769584	0.000995	9.95E-04	1.12E-03	1.12E-03	1.88E-04	1.88E-04	8.23E-05	8.23E-05
1923	441458.1	3769583	0.000989	9.89E-04	1.11E-03	1.11E-03	1.87E-04	1.87E-04	8.18E-05	8.18E-05
1924	441206.8	3769560	0.000921	9.21E-04	1.04E-03	1.04E-03	1.74E-04	1.74E-04	7.61E-05	7.61E-05
1925	441178.9	3769558	0.000916	9.16E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.57E-05	7.57E-05
1926	441169.6	3769557	0.000915	9.15E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.57E-05	7.57E-05
1927	441160.3	3769556	0.000914	9.14E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.56E-05	7.56E-05
1928	441151	3769555	0.000914	9.14E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.55E-05	7.55E-05
1929	441141.7	3769554	0.000908	9.08E-04	1.02E-03	1.02E-03	1.72E-04	1.72E-04	7.51E-05	7.51E-05
1930	441085.8	3769549	0.000877	8.77E-04	9.89E-04	9.89E-04	1.66E-04	1.66E-04	7.25E-05	7.25E-05
1931	441076.5	3769548	0.000875	8.75E-04	9.86E-04	9.86E-04	1.65E-04	1.65E-04	7.23E-05	7.23E-05
1932	441067.2	3769547	0.000873	8.73E-04	9.83E-04	9.83E-04	1.65E-04	1.65E-04	7.21E-05	7.21E-05
1933	441057.9	3769547	0.000871	8.71E-04	9.81E-04	9.81E-04	1.65E-04	1.65E-04	7.20E-05	7.20E-05
1934	441048.6	3769546	0.000871	8.71E-04	9.81E-04	9.81E-04	1.65E-04	1.65E-04	7.20E-05	7.20E-05
1935	441039.3	3769545	0.000871	8.71E-04	9.81E-04	9.81E-04	1.65E-04	1.65E-04	7.20E-05	7.20E-05
1936	441030	3769544	0.00087	8.70E-04	9.81E-04	9.81E-04	1.65E-04	1.65E-04	7.20E-05	7.20E-05
1937	441020.7	3769543	0.00087	8.70E-04	9.81E-04	9.81E-04	1.64E-04	1.64E-04	7.19E-05	7.19E-05
1938	440955.6	3769537	0.000861	8.61E-04	9.71E-04	9.71E-04	1.63E-04	1.63E-04	7.12E-05	7.12E-05
1939	440946.3	3769536	0.000858	8.58E-04	9.67E-04	9.67E-04	1.62E-04	1.62E-04	7.09E-05	7.09E-05
1940	440937	3769536	0.000854	8.54E-04	9.63E-04	9.63E-04	1.62E-04	1.62E-04	7.06E-05	7.06E-05
1941	440927.7	3769535	0.000851	8.51E-04	9.59E-04	9.59E-04	1.61E-04	1.61E-04	7.03E-05	7.03E-05

1942	440918.3	3769534	0.000847	8.47E-04	9.55E-04	9.55E-04	1.60E-04	1.60E-04	7.01E-05	7.01E-05
1943	440909	3769533	0.000844	8.44E-04	9.51E-04	9.51E-04	1.59E-04	1.59E-04	6.98E-05	6.98E-05
1944	440899.7	3769532	0.000841	8.41E-04	9.48E-04	9.48E-04	1.59E-04	1.59E-04	6.95E-05	6.95E-05
1945	440890.4	3769531	0.000838	8.38E-04	9.45E-04	9.45E-04	1.58E-04	1.58E-04	6.93E-05	6.93E-05
1946	440834.6	3769526	0.000811	8.11E-04	9.14E-04	9.14E-04	1.53E-04	1.53E-04	6.71E-05	6.71E-05
1947	440825.3	3769525	0.000805	8.05E-04	9.07E-04	9.07E-04	1.52E-04	1.52E-04	6.65E-05	6.65E-05
1948	440802.3	3769515	0.000803	8.03E-04	9.05E-04	9.05E-04	1.52E-04	1.52E-04	6.64E-05	6.64E-05
1949	440785	3769482	0.000836	8.36E-04	9.42E-04	9.42E-04	1.58E-04	1.58E-04	6.91E-05	6.91E-05
1950	440780.7	3769474	0.000845	8.45E-04	9.52E-04	9.52E-04	1.60E-04	1.60E-04	6.99E-05	6.99E-05
1951	440776.3	3769466	0.000853	8.53E-04	9.62E-04	9.62E-04	1.61E-04	1.61E-04	7.05E-05	7.05E-05
1952	440759	3769433	0.000885	8.85E-04	9.98E-04	9.98E-04	1.67E-04	1.67E-04	7.32E-05	7.32E-05
1953	440754.6	3769424	0.000893	8.93E-04	1.01E-03	1.01E-03	1.69E-04	1.69E-04	7.38E-05	7.38E-05
1954	440529	3768994	0.001469	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.21E-04	1.21E-04
1955	440524.7	3768986	0.001481	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.22E-04	1.22E-04
1956	440520.3	3768977	0.001493	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
1957	440516	3768969	0.001504	1.50E-03	1.70E-03	1.70E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
1958	440507.3	3768953	0.001527	1.53E-03	1.72E-03	1.72E-03	2.89E-04	2.89E-04	1.26E-04	1.26E-04
1959	440433.6	3768812	0.001691	1.69E-03	1.91E-03	1.91E-03	3.20E-04	3.20E-04	1.40E-04	1.40E-04
1960	440429.2	3768804	0.001699	1.70E-03	1.92E-03	1.92E-03	3.21E-04	3.21E-04	1.40E-04	1.40E-04
1961	441625.5	3769598	0.001094	1.09E-03	1.23E-03	1.23E-03	2.07E-04	2.07E-04	9.05E-05	9.05E-05
1962	441634.2	3769595	0.00111	1.11E-03	1.25E-03	1.25E-03	2.10E-04	2.10E-04	9.18E-05	9.18E-05
1963	441642.9	3769591	0.001126	1.13E-03	1.27E-03	1.27E-03	2.13E-04	2.13E-04	9.31E-05	9.31E-05
1964	441651.6	3769587	0.001142	1.14E-03	1.29E-03	1.29E-03	2.16E-04	2.16E-04	9.44E-05	9.44E-05
1965	441660.3	3769583	0.001158	1.16E-03	1.31E-03	1.31E-03	2.19E-04	2.19E-04	9.57E-05	9.57E-05
1966	441632.1	3769634	0.001026	1.03E-03	1.16E-03	1.16E-03	1.94E-04	1.94E-04	8.48E-05	8.48E-05
1967	441622.8	3769633	0.00102	1.02E-03	1.15E-03	1.15E-03	1.93E-04	1.93E-04	8.43E-05	8.43E-05
1968	441613.5	3769633	0.001013	1.01E-03	1.14E-03	1.14E-03	1.92E-04	1.92E-04	8.38E-05	8.38E-05
1969	441604.1	3769632	0.001006	1.01E-03	1.13E-03	1.13E-03	1.90E-04	1.90E-04	8.32E-05	8.32E-05
1970	441594.8	3769631	0.000999	9.99E-04	1.13E-03	1.13E-03	1.89E-04	1.89E-04	8.26E-05	8.26E-05
1971	441585.5	3769630	0.000992	9.92E-04	1.12E-03	1.12E-03	1.87E-04	1.87E-04	8.20E-05	8.20E-05
1972	441576.2	3769629	0.000985	9.85E-04	1.11E-03	1.11E-03	1.86E-04	1.86E-04	8.14E-05	8.14E-05
1973	441566.9	3769628	0.000978	9.78E-04	1.10E-03	1.10E-03	1.85E-04	1.85E-04	8.09E-05	8.09E-05
1974	441557.6	3769627	0.000974	9.74E-04	1.10E-03	1.10E-03	1.84E-04	1.84E-04	8.05E-05	8.05E-05
1975	441548.3	3769627	0.000969	9.69E-04	1.09E-03	1.09E-03	1.83E-04	1.83E-04	8.01E-05	8.01E-05
1976	441538.9	3769626	0.000963	9.63E-04	1.09E-03	1.09E-03	1.82E-04	1.82E-04	7.97E-05	7.97E-05
1977	441529.6	3769625	0.000958	9.58E-04	1.08E-03	1.08E-03	1.81E-04	1.81E-04	7.92E-05	7.92E-05
1978	441520.3	3769624	0.000953	9.53E-04	1.07E-03	1.07E-03	1.80E-04	1.80E-04	7.88E-05	7.88E-05
1979	441511	3769623	0.000948	9.48E-04	1.07E-03	1.07E-03	1.79E-04	1.79E-04	7.84E-05	7.84E-05
1980	441501.7	3769622	0.000943	9.43E-04	1.06E-03	1.06E-03	1.78E-04	1.78E-04	7.80E-05	7.80E-05
1981	441492.4	3769622	0.000938	9.38E-04	1.06E-03	1.06E-03	1.77E-04	1.77E-04	7.76E-05	7.76E-05
1982	441483	3769621	0.000933	9.33E-04	1.05E-03	1.05E-03	1.76E-04	1.76E-04	7.72E-05	7.72E-05
1983	441473.7	3769620	0.000929	9.29E-04	1.05E-03	1.05E-03	1.76E-04	1.76E-04	7.68E-05	7.68E-05
1984	441464.4	3769619	0.000925	9.25E-04	1.04E-03	1.04E-03	1.75E-04	1.75E-04	7.65E-05	7.65E-05
1985	441455.1	3769618	0.000921	9.21E-04	1.04E-03	1.04E-03	1.74E-04	1.74E-04	7.61E-05	7.61E-05
1986	441445.8	3769617	0.000917	9.17E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.58E-05	7.58E-05
1987	441436.5	3769616	0.000913	9.13E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.55E-05	7.55E-05
1988	441427.2	3769616	0.00091	9.10E-04	1.03E-03	1.03E-03	1.72E-04	1.72E-04	7.52E-05	7.52E-05
1989	441417.8	3769615	0.000907	9.07E-04	1.02E-03	1.02E-03	1.71E-04	1.71E-04	7.50E-05	7.50E-05
1990	441408.5	3769614	0.000904	9.04E-04	1.02E-03	1.02E-03	1.71E-04	1.71E-04	7.47E-05	7.47E-05
1991	441399.2	3769613	0.000901	9.01E-04	1.02E-03	1.02E-03	1.70E-04	1.70E-04	7.45E-05	7.45E-05
1992	441389.9	3769612	0.000899	8.99E-04	1.01E-03	1.01E-03	1.70E-04	1.70E-04	7.43E-05	7.43E-05
1993	441380.6	3769611	0.000897	8.97E-04	1.01E-03	1.01E-03	1.70E-04	1.70E-04	7.42E-05	7.42E-05
1994	441371.3	3769610	0.000896	8.96E-04	1.01E-03	1.01E-03	1.69E-04	1.69E-04	7.41E-05	7.41E-05
1995	441362	3769610	0.000895	8.95E-04	1.01E-03	1.01E-03	1.69E-04	1.69E-04	7.40E-05	7.40E-05
1996	441352.6	3769609	0.000893	8.93E-04	1.01E-03	1.01E-03	1.69E-04	1.69E-04	7.38E-05	7.38E-05
1997	441343.3	3769608	0.000891	8.91E-04	1.00E-03	1.00E-03	1.68E-04	1.68E-04	7.36E-05	7.36E-05
1998	441334	3769607	0.000889	8.89E-04	1.00E-03	1.00E-03	1.68E-04	1.68E-04	7.35E-05	7.35E-05
1999	441324.7	3769606	0.000886	8.86E-04	9.99E-04	9.99E-04	1.67E-04	1.67E-04	7.33E-05	7.33E-05
2000	441315.4	3769605	0.000883	8.83E-04	9.95E-04	9.95E-04	1.67E-04	1.67E-04	7.30E-05	7.30E-05
2001	441306.1	3769605	0.00088	8.80E-04	9.91E-04	9.91E-04	1.66E-04	1.66E-04	7.27E-05	7.27E-05
2002	441296.8	3769604	0.000877	8.77E-04	9.88E-04	9.88E-04	1.66E-04	1.66E-04	7.25E-05	7.25E-05
2003	441287.4	3769603	0.000873	8.73E-04	9.84E-04	9.84E-04	1.65E-04	1.65E-04	7.22E-05	7.22E-05
2004	441278.1	3769602	0.00087	8.70E-04	9.81E-04	9.81E-04	1.64E-04	1.64E-04	7.19E-05	7.19E-05
2005	441268.8	3769601	0.000867	8.67E-04	9.78E-04	9.78E-04	1.64E-04	1.64E-04	7.17E-05	7.17E-05
2006	441259.5	3769600	0.000867	8.67E-04	9.77E-04	9.77E-04	1.64E-04	1.64E-04	7.17E-05	7.17E-05
2007	441250.2	3769599	0.000866	8.66E-04	9.76E-04	9.76E-04	1.64E-04	1.64E-04	7.16E-05	7.16E-05
2008	441240.9	3769599	0.000866	8.66E-04	9.76E-04	9.76E-04	1.64E-04	1.64E-04	7.16E-05	7.16E-05
2009	441175.7	3769593	0.000857	8.57E-04	9.66E-04	9.66E-04	1.62E-04	1.62E-04	7.09E-05	7.09E-05
2010	441166.3	3769592	0.000854	8.54E-04	9.63E-04	9.63E-04	1.62E-04	1.62E-04	7.06E-05	7.06E-05
2011	441157	3769591	0.000851	8.51E-04	9.60E-04	9.60E-04	1.61E-04	1.61E-04	7.04E-05	7.04E-05
2012	441147.7	3769590	0.000848	8.48E-04	9.56E-04	9.56E-04	1.60E-04	1.60E-04	7.01E-05	7.01E-05
2013	441138.4	3769589	0.000843	8.43E-04	9.51E-04	9.51E-04	1.59E-04	1.59E-04	6.97E-05	6.97E-05

2014	441129.1	3769588	0.000839	8.39E-04	9.45E-04	9.45E-04	1.59E-04	1.59E-04	6.93E-05	6.93E-05
2015	441119.8	3769588	0.000833	8.33E-04	9.39E-04	9.39E-04	1.58E-04	1.58E-04	6.89E-05	6.89E-05
2016	440868.3	3769565	0.000783	7.83E-04	8.82E-04	8.82E-04	1.48E-04	1.48E-04	6.47E-05	6.47E-05
2017	440859	3769564	0.000779	7.79E-04	8.78E-04	8.78E-04	1.47E-04	1.47E-04	6.44E-05	6.44E-05
2018	440849.6	3769563	0.000775	7.75E-04	8.74E-04	8.74E-04	1.47E-04	1.47E-04	6.41E-05	6.41E-05
2019	440840.3	3769562	0.00077	7.70E-04	8.68E-04	8.68E-04	1.46E-04	1.46E-04	6.36E-05	6.36E-05
2020	440831	3769561	0.000764	7.64E-04	8.61E-04	8.61E-04	1.44E-04	1.44E-04	6.32E-05	6.32E-05
2021	440821.7	3769560	0.000758	7.58E-04	8.54E-04	8.54E-04	1.43E-04	1.43E-04	6.27E-05	6.27E-05
2022	440803.1	3769559	0.000752	7.52E-04	8.47E-04	8.47E-04	1.42E-04	1.42E-04	6.22E-05	6.22E-05
2023	440793.8	3769558	0.000749	7.49E-04	8.44E-04	8.44E-04	1.42E-04	1.42E-04	6.19E-05	6.19E-05
2024	440780.1	3769549	0.000753	7.53E-04	8.49E-04	8.49E-04	1.42E-04	1.42E-04	6.23E-05	6.23E-05
2025	440775.8	3769540	0.00076	7.60E-04	8.57E-04	8.57E-04	1.44E-04	1.44E-04	6.29E-05	6.29E-05
2026	440771.4	3769532	0.000768	7.68E-04	8.66E-04	8.66E-04	1.45E-04	1.45E-04	6.35E-05	6.35E-05
2027	440767.1	3769524	0.000775	7.75E-04	8.73E-04	8.73E-04	1.46E-04	1.46E-04	6.41E-05	6.41E-05
2028	440762.7	3769515	0.000782	7.82E-04	8.81E-04	8.81E-04	1.48E-04	1.48E-04	6.46E-05	6.46E-05
2029	440758.4	3769507	0.000788	7.88E-04	8.89E-04	8.89E-04	1.49E-04	1.49E-04	6.52E-05	6.52E-05
2030	440754	3769499	0.000795	7.95E-04	8.96E-04	8.96E-04	1.50E-04	1.50E-04	6.57E-05	6.57E-05
2031	440749.7	3769491	0.000802	8.02E-04	9.04E-04	9.04E-04	1.52E-04	1.52E-04	6.63E-05	6.63E-05
2032	440736.7	3769466	0.000824	8.24E-04	9.29E-04	9.29E-04	1.56E-04	1.56E-04	6.81E-05	6.81E-05
2033	440732.3	3769457	0.000831	8.31E-04	9.36E-04	9.36E-04	1.57E-04	1.57E-04	6.87E-05	6.87E-05
2034	440728	3769449	0.000837	8.37E-04	9.44E-04	9.44E-04	1.58E-04	1.58E-04	6.92E-05	6.92E-05
2035	440489.1	3768994	0.00139	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
2036	440484.8	3768985	0.0014	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04
2037	440480.4	3768977	0.00141	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
2038	440476.1	3768969	0.001421	1.42E-03	1.60E-03	1.60E-03	2.69E-04	2.69E-04	1.17E-04	1.17E-04
2039	440467.4	3768952	0.001441	1.44E-03	1.62E-03	1.62E-03	2.72E-04	2.72E-04	1.19E-04	1.19E-04
2040	440393.6	3768811	0.001587	1.59E-03	1.79E-03	1.79E-03	3.00E-04	3.00E-04	1.31E-04	1.31E-04
2041	440389.2	3768803	0.001594	1.59E-03	1.80E-03	1.80E-03	3.01E-04	3.01E-04	1.32E-04	1.32E-04
2042	441641.4	3769635	0.001031	1.03E-03	1.16E-03	1.16E-03	1.95E-04	1.95E-04	8.52E-05	8.52E-05
2043	441650.1	3769631	0.001045	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.64E-05	8.64E-05
2044	441658.8	3769628	0.001059	1.06E-03	1.19E-03	1.19E-03	2.00E-04	2.00E-04	8.76E-05	8.76E-05
2045	441667.4	3769624	0.001072	1.07E-03	1.21E-03	1.21E-03	2.03E-04	2.03E-04	8.86E-05	8.86E-05
2046	441676.1	3769620	0.001084	1.08E-03	1.22E-03	1.22E-03	2.05E-04	2.05E-04	8.96E-05	8.96E-05
2047	441584.3	3769312	0.00221	2.21E-03	2.49E-03	2.49E-03	4.18E-04	4.18E-04	1.83E-04	1.83E-04
2048	441593.2	3769308	0.00226	2.26E-03	2.55E-03	2.55E-03	4.27E-04	4.27E-04	1.87E-04	1.87E-04
2049	441602.2	3769305	0.002307	2.31E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
2050	441581.5	3769356	0.001933	1.93E-03	2.18E-03	2.18E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
2051	441590.5	3769353	0.001973	1.97E-03	2.22E-03	2.22E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
2052	441599.5	3769349	0.002036	2.04E-03	2.29E-03	2.29E-03	3.85E-04	3.85E-04	1.68E-04	1.68E-04
2053	441608.4	3769345	0.002074	2.07E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.71E-04	1.71E-04
2054	441642.2	3769504	0.001365	1.37E-03	1.54E-03	1.54E-03	2.58E-04	2.58E-04	1.13E-04	1.13E-04
2055	441651.2	3769501	0.001384	1.38E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.14E-04	1.14E-04
2056	441660.1	3769497	0.001403	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04
2057	441669.1	3769493	0.001424	1.42E-03	1.61E-03	1.61E-03	2.69E-04	2.69E-04	1.18E-04	1.18E-04
2058	441678.1	3769490	0.001446	1.45E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.20E-04	1.20E-04
2059	441687	3769486	0.001467	1.47E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
2060	441696	3769482	0.001489	1.49E-03	1.68E-03	1.68E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
2061	441704.9	3769479	0.001511	1.51E-03	1.70E-03	1.70E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
2062	441713.9	3769475	0.001532	1.53E-03	1.73E-03	1.73E-03	2.90E-04	2.90E-04	1.27E-04	1.27E-04
2063	441722.8	3769471	0.001555	1.56E-03	1.75E-03	1.75E-03	2.94E-04	2.94E-04	1.29E-04	1.29E-04
2064	441731.8	3769468	0.001578	1.58E-03	1.78E-03	1.78E-03	2.98E-04	2.98E-04	1.30E-04	1.30E-04
2065	441740.7	3769464	0.001601	1.60E-03	1.80E-03	1.80E-03	3.03E-04	3.03E-04	1.32E-04	1.32E-04
2066	441749.7	3769460	0.001625	1.63E-03	1.83E-03	1.83E-03	3.07E-04	3.07E-04	1.34E-04	1.34E-04
2067	441758.6	3769457	0.001644	1.64E-03	1.85E-03	1.85E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
2068	441657.4	3769542	0.001263	1.26E-03	1.42E-03	1.42E-03	2.39E-04	2.39E-04	1.04E-04	1.04E-04
2069	441666.4	3769538	0.001282	1.28E-03	1.45E-03	1.45E-03	2.42E-04	2.42E-04	1.06E-04	1.06E-04
2070	441675.3	3769534	0.0013	1.30E-03	1.47E-03	1.47E-03	2.46E-04	2.46E-04	1.07E-04	1.07E-04
2071	441684.3	3769530	0.001318	1.32E-03	1.49E-03	1.49E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
2072	441693.2	3769527	0.001336	1.34E-03	1.51E-03	1.51E-03	2.53E-04	2.53E-04	1.10E-04	1.10E-04
2073	441702.2	3769523	0.001352	1.35E-03	1.52E-03	1.52E-03	2.56E-04	2.56E-04	1.12E-04	1.12E-04
2074	441711.1	3769519	0.001368	1.37E-03	1.54E-03	1.54E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04
2075	441720.1	3769516	0.001385	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
2076	441729	3769512	0.001405	1.41E-03	1.58E-03	1.58E-03	2.66E-04	2.66E-04	1.16E-04	1.16E-04
2077	441738	3769508	0.001425	1.43E-03	1.61E-03	1.61E-03	2.69E-04	2.69E-04	1.18E-04	1.18E-04
2078	441746.9	3769505	0.001445	1.45E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.19E-04	1.19E-04
2079	441755.9	3769501	0.001463	1.46E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
2080	441764.8	3769497	0.001481	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.22E-04	1.22E-04
2081	441773.8	3769494	0.001498	1.50E-03	1.69E-03	1.69E-03	2.83E-04	2.83E-04	1.24E-04	1.24E-04
2082	441708.4	3769564	0.001238	1.24E-03	1.40E-03	1.40E-03	2.34E-04	2.34E-04	1.02E-04	1.02E-04
2083	441717.4	3769560	0.001253	1.25E-03	1.41E-03	1.41E-03	2.37E-04	2.37E-04	1.04E-04	1.04E-04
2084	441726.3	3769556	0.001269	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
2085	441735.3	3769553	0.001284	1.28E-03	1.45E-03	1.45E-03	2.43E-04	2.43E-04	1.06E-04	1.06E-04

2086	441744.2	3769549	0.001299	1.30E-03	1.46E-03	1.46E-03	2.46E-04	2.46E-04	1.07E-04	1.07E-04
2087	441753.2	3769545	0.001314	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.09E-04	1.09E-04
2088	441762.1	3769542	0.001329	1.33E-03	1.50E-03	1.50E-03	2.51E-04	2.51E-04	1.10E-04	1.10E-04
2089	441771.1	3769538	0.001344	1.34E-03	1.51E-03	1.51E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
2090	441687.8	3769616	0.0011	1.10E-03	1.24E-03	1.24E-03	2.08E-04	2.08E-04	9.10E-05	9.10E-05
2091	441696.7	3769612	0.001115	1.12E-03	1.26E-03	1.26E-03	2.11E-04	2.11E-04	9.22E-05	9.22E-05
2092	441705.7	3769608	0.001129	1.13E-03	1.27E-03	1.27E-03	2.13E-04	2.13E-04	9.34E-05	9.34E-05
2093	441714.6	3769605	0.001144	1.14E-03	1.29E-03	1.29E-03	2.16E-04	2.16E-04	9.46E-05	9.46E-05
2094	441723.6	3769601	0.001157	1.16E-03	1.30E-03	1.30E-03	2.19E-04	2.19E-04	9.57E-05	9.57E-05
2095	441732.5	3769597	0.00117	1.17E-03	1.32E-03	1.32E-03	2.21E-04	2.21E-04	9.67E-05	9.67E-05
2096	441741.5	3769594	0.001184	1.18E-03	1.33E-03	1.33E-03	2.24E-04	2.24E-04	9.79E-05	9.79E-05
2097	441750.4	3769590	0.001197	1.20E-03	1.35E-03	1.35E-03	2.26E-04	2.26E-04	9.90E-05	9.90E-05
2098	441759.4	3769586	0.00121	1.21E-03	1.36E-03	1.36E-03	2.29E-04	2.29E-04	1.00E-04	1.00E-04
2099	441768.3	3769582	0.001223	1.22E-03	1.38E-03	1.38E-03	2.31E-04	2.31E-04	1.01E-04	1.01E-04
2100	441777.3	3769579	0.001236	1.24E-03	1.39E-03	1.39E-03	2.34E-04	2.34E-04	1.02E-04	1.02E-04
2101	441367.3	3768478	0.03632	3.63E-02	4.09E-02	4.09E-02	6.87E-03	6.87E-03	3.00E-03	3.00E-03
2102	441384.6	3768477	0.03641	3.64E-02	4.10E-02	4.10E-02	6.88E-03	6.88E-03	3.01E-03	3.01E-03
2103	441403.4	3768504	0.0501	5.01E-02	5.65E-02	5.65E-02	9.47E-03	9.47E-03	4.14E-03	4.14E-03
2104	441408.5	3768489	0.04071	4.07E-02	4.59E-02	4.59E-02	7.70E-03	7.70E-03	3.37E-03	3.37E-03

			UnMitigated				T2				T2L3				T4			
						7.45E-07				9.74E-07				1.65E-07				6.84E-08
			Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total	Yr 1	Yr 2	Yr 3	Total
1	441482.9	3768726	3.28E-07	4.00E-07	0.00E+00	7.28E-07	3.70E-07	5.81E-07	0.00E+00	9.51E-07	6.20E-08	9.91E-08	0.00E+00	1.61E-07	2.71E-08	3.97E-08	0.00E+00	6.68E-08
2	441483	3768716	3.33E-07	4.06E-07	0.00E+00	7.38E-07	3.75E-07	5.90E-07	0.00E+00	9.65E-07	6.29E-08	1.01E-07	0.00E+00	1.63E-07	2.75E-08	4.03E-08	0.00E+00	6.78E-08
3	441483.1	3768706	3.36E-07	4.09E-07	0.00E+00	7.45E-07	3.78E-07	5.95E-07	0.00E+00	9.73E-07	6.34E-08	1.01E-07	0.00E+00	1.65E-07	2.77E-08	4.06E-08	0.00E+00	6.84E-08
4	441483.2	3768696	3.36E-07	4.09E-07	0.00E+00	7.45E-07	3.79E-07	5.95E-07	0.00E+00	9.74E-07	6.35E-08	1.01E-07	0.00E+00	1.65E-07	2.78E-08	4.06E-08	0.00E+00	6.84E-08
5	441483.4	3768687	3.34E-07	4.08E-07	0.00E+00	7.42E-07	3.77E-07	5.92E-07	0.00E+00	9.69E-07	6.32E-08	1.01E-07	0.00E+00	1.64E-07	2.76E-08	4.05E-08	0.00E+00	6.81E-08
6	441483.5	3768677	3.32E-07	4.04E-07	0.00E+00	7.36E-07	3.74E-07	5.88E-07	0.00E+00	9.62E-07	6.27E-08	1.00E-07	0.00E+00	1.63E-07	2.74E-08	4.01E-08	0.00E+00	6.76E-08
7	441483.6	3768667	3.28E-07	4.00E-07	0.00E+00	7.29E-07	3.70E-07	5.82E-07	0.00E+00	9.52E-07	6.21E-08	9.92E-08	0.00E+00	1.61E-07	2.71E-08	3.97E-08	0.00E+00	6.69E-08
8	441483.7	3768657	3.25E-07	3.96E-07	0.00E+00	7.22E-07	3.67E-07	5.76E-07	0.00E+00	9.43E-07	6.15E-08	9.82E-08	0.00E+00	1.60E-07	2.69E-08	3.94E-08	0.00E+00	6.62E-08
9	441483.9	3768648	3.25E-07	3.96E-07	0.00E+00	7.20E-07	3.66E-07	5.75E-07	0.00E+00	9.41E-07	6.14E-08	9.81E-08	0.00E+00	1.59E-07	2.68E-08	3.93E-08	0.00E+00	6.61E-08
10	441484	3768638	3.33E-07	4.05E-07	0.00E+00	7.38E-07	3.75E-07	5.89E-07	0.00E+00	9.64E-07	6.29E-08	1.00E-07	0.00E+00	1.63E-07	2.75E-08	4.03E-08	0.00E+00	6.78E-08
11	441503	3768716	2.64E-07	3.22E-07	0.00E+00	5.86E-07	2.98E-07	4.68E-07	0.00E+00	7.66E-07	4.99E-08	7.98E-08	0.00E+00	1.30E-07	2.18E-08	3.20E-08	0.00E+00	5.38E-08
12	441503.1	3768706	2.65E-07	3.23E-07	0.00E+00	5.87E-07	2.98E-07	4.69E-07	0.00E+00	7.67E-07	5.00E-08	8.00E-08	0.00E+00	1.30E-07	2.19E-08	3.20E-08	0.00E+00	5.39E-08
13	441503.2	3768697	2.63E-07	3.21E-07	0.00E+00	5.84E-07	2.97E-07	4.67E-07	0.00E+00	7.63E-07	4.98E-08	7.96E-08	0.00E+00	1.29E-07	2.18E-08	3.19E-08	0.00E+00	5.36E-08
14	441503.4	3768687	2.62E-07	3.19E-07	0.00E+00	5.81E-07	2.95E-07	4.64E-07	0.00E+00	7.59E-07	4.95E-08	7.90E-08	0.00E+00	1.28E-07	2.16E-08	3.17E-08	0.00E+00	5.33E-08
15	441503.5	3768677	2.62E-07	3.19E-07	0.00E+00	5.80E-07	2.95E-07	4.63E-07	0.00E+00	7.58E-07	4.94E-08	7.90E-08	0.00E+00	1.28E-07	2.16E-08	3.17E-08	0.00E+00	5.33E-08
16	441503.6	3768667	2.62E-07	3.19E-07	0.00E+00	5.81E-07	2.95E-07	4.64E-07	0.00E+00	7.59E-07	4.95E-08	7.91E-08	0.00E+00	1.29E-07	2.17E-08	3.17E-08	0.00E+00	5.34E-08
17	441503.7	3768658	2.64E-07	3.21E-07	0.00E+00	5.85E-07	2.97E-07	4.67E-07	0.00E+00	7.64E-07	4.98E-08	7.96E-08	0.00E+00	1.29E-07	2.18E-08	3.19E-08	0.00E+00	5.37E-08
18	441503.9	3768648	2.67E-07	3.25E-07	0.00E+00	5.92E-07	3.01E-07	4.73E-07	0.00E+00	7.73E-07	5.04E-08	8.06E-08	0.00E+00	1.31E-07	2.21E-08	3.23E-08	0.00E+00	5.43E-08
19	441504	3768638	2.79E-07	3.40E-07	0.00E+00	6.20E-07	3.15E-07	4.95E-07	0.00E+00	8.10E-07	5.28E-08	8.44E-08	0.00E+00	1.37E-07	2.31E-08	3.38E-08	0.00E+00	5.69E-08
20	441504.1	3768628	3.01E-07	3.67E-07	0.00E+00	6.68E-07	3.39E-07	5.34E-07	0.00E+00	8.73E-07	5.69E-08	9.10E-08	0.00E+00	1.48E-07	2.49E-08	3.64E-08	0.00E+00	6.13E-08
21	441523.1	3768707	2.20E-07	2.68E-07	0.00E+00	4.88E-07	2.48E-07	3.90E-07	0.00E+00	6.38E-07	4.16E-08	6.64E-08	0.00E+00	1.08E-07	1.82E-08	2.66E-08	0.00E+00	4.48E-08
22	441523.2	3768697	2.18E-07	2.66E-07	0.00E+00	4.85E-07	2.46E-07	3.87E-07	0.00E+00	6.33E-07	4.13E-08	6.60E-08	0.00E+00	1.07E-07	1.81E-08	2.64E-08	0.00E+00	4.45E-08
23	441523.4	3768687	2.17E-07	2.64E-07	0.00E+00	4.80E-07	2.44E-07	3.84E-07	0.00E+00	6.28E-07	4.09E-08	6.54E-08	0.00E+00	1.06E-07	1.79E-08	2.62E-08	0.00E+00	4.41E-08
24	441523.5	3768677	2.16E-07	2.63E-07	0.00E+00	4.79E-07	2.43E-07	3.82E-07	0.00E+00	6.26E-07	4.08E-08	6.52E-08	0.00E+00	1.06E-07	1.78E-08	2.61E-08	0.00E+00	4.40E-08
25	441523.6	3768668	2.16E-07	2.63E-07	0.00E+00	4.79E-07	2.43E-07	3.83E-07	0.00E+00	6.26E-07	4.08E-08	6.52E-08	0.00E+00	1.06E-07	1.78E-08	2.61E-08	0.00E+00	4.40E-08
26	441523.7	3768658	2.17E-07	2.65E-07	0.00E+00	4.82E-07	2.45E-07	3.85E-07	0.00E+00	6.30E-07	4.11E-08	6.56E-08	0.00E+00	1.07E-07	1.80E-08	2.63E-08	0.00E+00	4.42E-08
27	441523.9	3768648	2.20E-07	2.68E-07	0.00E+00	4.88E-07	2.48E-07	3.89E-07	0.00E+00	6.37E-07	4.15E-08	6.64E-08	0.00E+00	1.08E-07	1.82E-08	2.66E-08	0.00E+00	4.48E-08
28	441524	3768638	2.25E-07	2.74E-07	0.00E+00	4.99E-07	2.54E-07	3.99E-07	0.00E+00	6.52E-07	4.25E-08	6.80E-08	0.00E+00	1.10E-07	1.86E-08	2.72E-08	0.00E+00	4.58E-08
29	441524.1	3768629	2.30E-07	2.80E-07	0.00E+00	5.10E-07	2.59E-07	4.07E-07	0.00E+00	6.67E-07	4.35E-08	6.95E-08	0.00E+00	1.13E-07	1.90E-08	2.78E-08	0.00E+00	4.68E-08
30	441543.2	3768697	1.86E-07	2.26E-07	0.00E+00	4.12E-07	2.09E-07	3.29E-07	0.00E+00	5.38E-07	3.51E-08	5.61E-08	0.00E+00	9.12E-08	1.54E-08	2.25E-08	0.00E+00	3.78E-08
31	441543.4	3768687	1.84E-07	2.24E-07	0.00E+00	4.08E-07	2.07E-07	3.26E-07	0.00E+00	5.33E-07	3.47E-08	5.55E-08	0.00E+00	9.03E-08	1.52E-08	2.22E-08	0.00E+00	3.74E-08
32	441543.5	3768678	1.82E-07	2.22E-07	0.00E+00	4.03E-07	2.05E-07	3.22E-07	0.00E+00	5.27E-07	3.44E-08	5.49E-08	0.00E+00	8.93E-08	1.50E-08	2.20E-08	0.00E+00	3.70E-08
33	441543.6	3768668	1.80E-07	2.20E-07	0.00E+00	4.00E-07	2.03E-07	3.19E-07	0.00E+00	5.22E-07	3.41E-08	5.44E-08	0.00E+00	8.85E-08	1.49E-08	2.18E-08	0.00E+00	3.67E-08
34	441543.7	3768658	1.79E-07	2.19E-07	0.00E+00	3.98E-07	2.02E-07	3.18E-07	0.00E+00	5.20E-07	3.39E-08	5.42E-08	0.00E+00	8.81E-08	1.48E-08	2.17E-08	0.00E+00	3.65E-08
35	441543.9	3768648	1.80E-07	2.19E-07	0.00E+00	3.98E-07	2.02E-07	3.18E-07	0.00E+00	5.21E-07	3.39E-08	5.42E-08	0.00E+00	8.82E-08	1.48E-08	2.17E-08	0.00E+00	3.66E-08
36	441544	3768639	1.80E-07	2.19E-07	0.00E+00	3.99E-07	2.03E-07	3.19E-07	0.00E+00	5.22E-07	3.40E-08	5.43E-08	0.00E+00	8.84E-08	1.49E-08	2.18E-08	0.00E+00	3.66E-08
37	441544.1	3768629	1.79E-07	2.18E-07	0.00E+00	3.97E-07	2.02E-07	3.17E-07	0.00E+00	5.19E-07	3.38E-08	5.41E-08	0.00E+00	8.79E-08	1.48E-08	2.17E-08	0.00E+00	3.65E-08
38	441563.2	3768697	1.56E-07	1.90E-07	0.00E+00	3.46E-07	1.76E-07	2.76E-07	0.00E+00	4.52E-07	2.95E-08	4.71E-08	0.00E+00	7.66E-08	1.29E-08	1.89E-08	0.00E+00	3.18E-08
39	441563.4	3768688	1.54E-07	1.87E-07	0.00E+00	3.41E-07	1.73E-07	2.72E-07	0.00E+00	4.46E-07	2.91E-08	4.64E-08	0.00E+00	7.55E-08	1.27E-08	1.86E-08	0.00E+00	3.13E-08
40	441563.5	3768678	1.51E-07	1.85E-07	0.00E+00	3.36E-07	1.71E-07	2.68E-07	0.00E+00	4.39E-07	2.86E-08	4.57E-08	0.00E+00	7.43E-08	1.25E-08	1.83E-08	0.00E+00	3.08E-08
41	441563.6	3768668	1.49E-07	1.82E-07	0.00E+00	3.31E-07	1.68E-07	2.64E-07	0.00E+00	4.32E-07	2.82E-08	4.50E-08	0.00E+00	7.32E-08	1.23E-08	1.80E-08	0.00E+00	3.03E-08
42	441563.7	3768658	1.47E-07	1.79E-07	0.00E+00	3.26E-07	1.66E-07	2.60E-07	0.00E+00	4.26E-07	2.78E-08	4.44E-08	0.00E+00	7.21E-08	1.21E-08	1.78E-08	0.00E+00	2.99E-08
43	441563.9	3768649	1.46E-07	1.78E-07	0.00E+00	3.24E-07	1.65E-07	2.59E-07	0.00E+00	4.23E-07	2.76E-08	4.41E-08	0.00E+00	7.17E-08	1.21E-08	1.77E-08	0.00E+00	2.97E-08
44	441564	3768639	1.45E-07	1.76E-07	0.00E+00	3.21E-07	1.63E-07	2.56E-07	0.00E+00	4.19E-07	2.73E-08	4.37E-08	0.00E+00	7.10E-08	1.20E-08	1.75E-08	0.00E+00	2.95E-08
45	441564.1	3768629	1.42E-07	1.73E-07	0.00E+00	3.16E-07	1.60E-07	2.52E-07	0.00E+00	4.12E-07	2.69E-08	4.30E-08	0.00E+00	6.99E-08	1.18E-08	1.72E-08	0.00E+00	2.90E-08
46	441583.4	3768688	1.33E-07	1.62E-07	0.00E+00	2.95E-07	1.50E-07	2.36E-07	0.00E+00	3.85E-07	2.51E-08	4.02E-08	0.00E+00	6.53E-08	1.10E-08	1.61E-08	0.00E+00	2.71E-08
47	441583.5	3768678	1.30E-07	1.59E-07	0.00E+00	2.89E-07	1.47E-07	2.31E-07	0.00E+00	3.77E-07	2.46E-08	3.93E-08	0.00E+00	6.39E-08	1.08E-08	1.58E-08	0.00E+00	2.65E-08
48	441583.6	3768668	1.27E-07	1.55E-07	0.00E+00	2.82E-07	1.43E-07	2.25E-07	0.00E+00	3.69E-07	2.40E-08	3.84E-08	0.00E+00	6.25E-08	1.05E-08	1.54E-08	0.00E+00	2.59E-08
49	441583.7	3768659	1.24E-07	1.51E-07	0.00E+00	2.76E-07	1.40E-07	2.20E-07	0.00E+00	3.60E-07	2.35E-08	3.75E-08	0.00E+00	6.10E-08	1.03E-08	1.50E-08	0.00E+00	2.53E-08
50	441583.9	3768649	1.23E-07	1.49E-07	0.00E+00	2.72E-07	1.38E-07	2.17E-07	0.00E+00	3.55E-07	2.32E-08	3.70E-08	0.00E+00	6.02E-08	1.01E-08	1.48E-08	0.00E+00	2.50E-08
51	441584	3768639	1.20E-07	1.47E-07	0.00E+00	2.67E-07	1.36E-07	2.13E-07	0.00E+00	3.49E-07	2.27E-08	3.63E-08	0.00E+00	5.91E-08	9.95E-09	1.46E-08	0.00E+00	2.45E-08
52	441584.1	3768629	1.17E-07	1.43E-07	0.00E+00	2.60E-07	1.32E-07	2.08E-07	0.00E+00	3.40E-07	2.22E-08	3.54E-08	0.00E+00	5.76E-08	9.69E-09	1.42E-08	0.00E+00	2.39E-08
53	441603.5	3768678	1.14E-07	1.40E-07	0.00E+00	2.54E-07	1.29E-07	2.03E-07	0.00E+00	3.32E-07	2.16E-08	3.46E-08	0.00E+00	5.62E-08	9.46E-09	1.38E-08	0.00E+00	2.33E-08
54	441603.6	3768669	1.11E-07	1.35E-07	0.00E+00	2.47E-07	1.25E-07	1.97E-07	0.00E+00	3.22E-07	2.10E-08	3.36E-08	0.00E+00	5.46E-08	9.19E-09	1.34E-08	0.00E+00	2.26E-08
55	441603.7	3768659	1.08E-07	1.31E-07	0.00E+00	2.39E-07	1.21E-07	1.91E-07	0.00E+00	3.12E-07	2.04E-08	3.25E-08	0.00E+00	5.29E-08	8.90E-09	1.30E-08	0.00E+00	2.19E-08
56	441603.9	3768649	1.05E-07	1.28E-07	0.00E+00	2.34E-07	1.19E-07	1.87E-07	0.00E+00	3.05E-07	1.99E-08	3.18E-08	0.00E+00	5.17E-08	8.71E-09	1.28E-08	0.00E+00	2.15E-08
57	441604	3768639	1.03E-07	1.25E-07	0.00E+00	2.27E-07	1.16E-07	1.82E-07	0.00E+00	2.97E-07	1.94E-08	3.10E-08	0.00E+00	5.03E-08	8.48E-09	1.24E-08	0.00E+00	2.09E-08
58	441604.1	3768630	9.90E-08	1.21E-07	0.00E+00	2.20E-07	1.12E-07	1.76E-07	0.00E+00	2.87E-07	1.87E-08	2.99E-08	0.00E+00	4.86E-08	8.19E-09	1.20E-08	0.00E+00	2.02E-08
59	441623.6	3768669	1.00E-07	1.22E-07	0.00E+00	2.22E-07	1.13E-07	1.77E-07	0.00E+00	2.90E-07	1.89E-08	3.02E-08	0.00E+00	4.92E-08	8.28E-09	1.21E-08	0.00E+00	2.04E-08
60	441623.7	3768659	9.66E-08	1.18E-07	0.00E+00	2.14E-07	1.09E-07	1.71E-07	0.00E+00	2.80E-07	1.83E-08	2.92E-08	0.00E+00	4.74E-08	7.99E-09	1.17E-08	0.00E+00	1.97E-08
61	441623.9	3768649	9.34E-08	1.14E-07	0.00E+00	2.07E-07	1.05E-07	1.65E-07	0.00E+00	2.71E-07	1.77E-08	2.82E-08	0.00E+00	4.59E-08	7.72E-09	1.13E-08	0.00E+00	1.90E-08
62	441624	3768640	8.97E-08	1.09E-07	0.00E+00	1.99E-07	1.01E-07	1.59E-07	0.00E+00	2.60E-07	1.70E-08	2.71E-08	0.00E+00	4.41E-08	7.42E-09	1.09E-08	0.00E+00	1.83E-08
63	441624.1	3768630	8.57E-08	1.04E-07	0.00E+00	1.90E-07	9.66E-08	1.52E-07	0.00E+00	2.48E-07	1.62E-08	2.59E-08	0.00E+00	4.21E-08	7.08E-09	1.04E-08	0.00E+00	1.74E-08
64	441643.7	3768659	8.64E-08	1.05E-07	0.00E+00	1.92E-07	9.74E-08	1.53E-07	0.00E+00	2.50E-07	1.63E-08	2.61E-08	0.00E+00	4.24E-08	7.14E-09	1.05E-08	0.00E+00	1.76E-08
65	441643.9	3768650	8.33E-08	1.02E-07	0.00E+00	1.85E-07	9.39E-08	1.48E-07	0.00E+00	2.41E-07	1.57E-08	2.52E-08	0.00E+00	4.09E-08	6.89E-09	1.01E-08	0.00E+00	1.70E-08
66	441644	3768640	7.98E-08	9.73E-08	0.00E+00	1.77E-07	9.00E-08	1.41E-07	0.00E+00	2.31E-07	1.51E-08	2.41E-08	0.00E+00	3.92E-08	6.60E-09	9.66E-09	0.00E+00	1.63E-08
67	441644.1	3768630	7.60E-08	9.27E-08	0.00E+00	1.69E-07	8.57E-08	1.35E-07	0.00E+00	2.20E-07	1.44E-08	2.30E-08	0.00E+00	3.73E-08	6.29E-09	9.20E-09	0.00E+00	1.55E-08
68	441663.9	3768650	7.45E-08	9.08E-08	0.00E+00	1.65E-07	8.40E-08	1.32E-07	0.00E+00	2.16E-07	1.41E-08	2.25E-08	0.00E+00	3.66E-08	6.16E-09	9.02E-09	0.00E+00	1.52E-08
69	441664	3768640	7.14E-08	8.70E-08	0.00E+00	1.58E-07	8.05E-08	1.26E-07	0.00E+00	2.07E-07	1.35E-08	2.16E-08	0.00E+00	3.51E-08	5.90E-09	8.64E-09	0.00E+00	1.45E-08
70	441664.1	3768630	6.80E-08	8.29E-08	0.00E+00	1.51E-07	7.67E-08	1.21E-07	0.00E+00	1.97E-07	1.29E-08	2.05E-08	0.00E+00	3.34E-08	5.62E-09	8.23E-09	0.00E+00	1.39E-08
71	441704.1	3768631	5.44E-08	6.63E-08	0.00E+00	1.21E-07	6.13E-08	9.63E-08	0.00E+00	1.58E-07	1.03E-08	1.64E-08	0.00E+00	2.67E-08	4.50E-09	6.58E-09	0.00E+00	1.11E-08
72	441724.1	3768631	4.92E-08	5.99E-08	0.00E+00	1.09E-07	5.54E-08	8.71E-08	0.00E+00	1.43E-07	9.29E-09	1.49E-08	0.00E+00	2.41E-08	4.07E-09	5.95E-09	0.00E+00	1.00E-08
73	441813.7	3769018	2.25E-08	2.74E-08	0.00E+00	4.99E-08	2.53E-08	3.98E-08	0.00E+00	6.52E-08	4.25E-09	6.79E-09	0.00E+00	1.10E-08	1.86E-09	2.72E-09	0.00E+00	4.58E-09
74	441806.3	3769024	2.19E-08	2.66E-08	0.00E+00	4.85E-08	2.46E-08	3.87E-08	0.00E+00	6.34E-08	4.13E-09	6.60E-09	0.00E+00	1.07E-08	1.81E-09	2.65E-09	0.00E+00	4.45E-09
75	441799	3769030	2.12E-08	2.59E-08	0.00E+00	4.71E-08	2.39E-08	3.76E-08	0.00E+00	6.16E-08	4.01E-09	6.42E-09	0.00E+00	1.04E-08	1.76E-09	2.57E-09	0.00E+00	4.33E-09
76	441791.6	3769036	2.06E-08	2.51E-08	0.00E+00	4.57E-08	2.32E-08	3.65E-08	0.00E+00	5.97E-08	3.89E-09	6.22E-09	0.00E+00	1.01E-08	1.70E-09	2.49E-09	0.00E+00	4.20E-09
77	441784.3	3769042	1.99E-08	2.43E-08	0.00E+00	4.42E-08	2.25E-08	3.53E-08	0.00E+00	5.78E-08	3.77E-09	6.02E-09	0.00E+00	9.79E-09	1.65E-09	2.41E-09	0.00E+00	4.06E-09
78	441868.7	3769022	2.17E-08	2.64E-08	0.00E+00	4.81E-08	2.44E-08	3.84E-08	0.00E+00	6.28E-08	4.09E-09	6.54E-09	0.00E+00	1.06E-08	1.79E-09	2.62E-09	0.00E+00	4.41E-09
79	441861.2	3769028	2.11E-08	2.57E-08	0.00E+00	4.69E-08	2.38E-08	3.74E-08	0.00E+00	6.12E-08	3.99E-09	6.38E-09	0.00E+00	1.04E-08	1.75E-09	2.56E-09	0.00E+00	4.30E-09
80	441853.8	3769034	2.06E-08	2.51E-08	0.00E+00	4.56E-08	2.32E-08	3.65E-08	0.00E+00	5.96E-08	3.89E-09	6.21E-09	0.00E+00	1.01E-08	1.70E-09	2.49E-09	0.00E+00	4.19E-09
81	441846.3	3769041	2.00E-08	2.44E-08	0.00E+00	4.44E-08	2.26E-08	3.55E-08	0.00E+00	5.80E-08	3.78E-09	6.04E-09	0.00E+00	9.83E-09	1.65E-09	2.42E-09	0.00E+00	4.08E-09
82	441838.8	3769047	1.94E-08	2.37E-08	0.00E+00	4.31E-08	2.19E-08	3.44E-08	0.00E+00	5.63E-08	3.67E-09	5.87E-09	0.00E+00	9.54E-09	1.61E-09	2.35E-09	0.00E+00	3.96E-09
83	441831.4	3769053	1.89E-08	2.30E-08	0.00E+00	4.19E-08	2.13E-08	3.34E-08	0.00E+00	5.47E-08	3.57E-09	5.70E-09	0.00E+00	9.26E-09	1.56E-09	2.28E-09	0.00E+00	3.84E-09
84	441823.9	3769059	1.83E-08	2.23E-08	0.00E+00	4.06E-08	2.06E-08	3.24E-08	0.00E+00	5.30E-08	3.46E-09	5.52E-09	0.00E+00	8.98E-09	1.51E-09	2.21E-09	0.00E+00	3.72E-09
85	441816.5	3769065	1.77E-08	2.16E-08	0.00E+00	3.93E-08	2.00E-08	3.14E-08	0.00E+00	5.13E-08	3.35E-09	5.35E-09	0.00E+00	8.70E-09	1.46E-09	2.14E-09	0.00E+00	3.61E-09
86	441809	3769071	1.71E-08	2.09E-08	0.00E+00	3.80E-08	1.93E-08	3.04E-08	0.00E+00	4.97E-08	3.24E-09	5.18E-09	0.00E+00	8.41E-09	1.42E-09	2.07E-09	0.00E+00	3.49E-09
87	441801.6	3769077	1.66E-08	2.02E-08	0.00E+00	3.68E-08	1.87E-08	2.94E-08	0.00E+00	4.80E-08	3.13E-09	5.01E-09	0.00E+00	8.14E-09	1.37E-09	2.01E-09	0.00E+00	3.38E-09
88	441794.1	3769083	1.60E-08	1.95E-08	0.00E+00	3.55E-08	1.80E-08	2.84E-08	0.00E+00	4.64E-08	3.03E-09	4.84E-09	0.00E+00	7.86E-09	1.32E-09	1.94E-09	0.00E+00	3.26E-09
89	441786.6	3769089	1.55E-08	1.89E-08	0.00E+00	3.43E-08	1.74E-08	2.74E-08	0.00E+00	4.48E-08	2.92E-09	4.67E-09	0.00E+00	7.59E-09	1.28E-09	1.87E-09	0.00E+00	3.15E-09
90	441918	3769011	2.20E-08	2.69E-08	0.00E+00	4.89E-08	2.48E-08	3.91E-08	0.00E+00	6.39E-08	4.17E-09	6.66E-09	0.00E+00	1.08E-08	1.82E-09	2.67E-09	0.00E+00	4.49E-09
91	441915	3769020	2.13E-08	2.60E-08	0.00E+00	4.73E-08	2.40E-08	3.77E-08	0.00E+00	6.17E-08	4.03E-09	6.43E-09	0.00E+00	1.05E-08	1.76E-09	2.58E-09	0.00E+00	4.34E-09
92	441912.1	3769030	2.05E-08	2.50E-08	0.00E+00	4.56E-08	2.32E-08	3.64E-08	0.00E+00	5.96E-08	3.88E-09	6.21E-09	0.00E+00	1.01E-08	1.70E-09	2.49E-09	0.00E+00	4.18E-09
93	441901.7	3769045	1.93E-08	2.36E-08	0.00E+00	4.29E-08	2.18E-08	3.43E-08	0.00E+00	5.61E-08	3.66E-09	5.84E-09	0.00E+00	9.50E-09	1.60E-09	2.34E-09	0.00E+00	3.94E-09
94	441894.1	3769051	1.89E-08	2.30E-08	0.00E+00	4.19E-08	2.13E-08	3.34E-08	0.00E+00	5.47E-08	3.57E-09	5.70E-09	0.00E+00	9.27E-09	1.56E-09	2.28E-09	0.00E+00	3.84E-09
95	441886.6	3769057	1.84E-08	2.24E-08	0.00E+00	4.08E-08	2.07E-08	3.26E-08	0.00E+00	5.34E-08	3.48E-09	5.56E-09	0.00E+00	9.04E-09	1.52E-09	2.23E-09	0.00E+00	3.75E-09
96	441879	3769063	1.79E-08	2.18E-08	0.00E+00	3.98E-08	2.02E-08	3.18E-08	0.00E+00	5.20E-08	3.39E-09	5.41E-09	0.00E+00	8.80E-09	1.48E-09	2.17E-09	0.00E+00	3.65E-09
97	441871.5	3769069	1.74E-08	2.12E-08	0.00E+00	3.87E-08	1.96E-08	3.09E-08	0.00E+00	5.05E-08	3.29E-09	5.27E-09	0.00E+00	8.56E-09	1.44E-09	2.11E-09	0.00E+00	3.55E-09
98	441863.9	3769076	1.69E-08	2.06E-08	0.00E+00	3.76E-08	1.91E-08	3.00E-08	0.00E+00	4.91E-08	3.20E-09	5.11E-09	0.00E+00	8.31E-09	1.40E-09	2.05E-09	0.00E+00	3.45E-09
99	441856.4	3769082	1.64E-08	2.00E-08	0.00E+00	3.64E-08	1.85E-08	2.91E-08	0.00E+00	4.76E-08	3.10E-09	4.96E-09	0.00E+00	8.06E-09	1.36E-09	1.99E-09	0.00E+00	3.34E-09
100	441848.8	3769088	1.59E-08	1.94E-08	0.00E+00	3.53E-08	1.79E-08	2.82E-08	0.00E+00	4.61E-08	3.01E-09	4.80E-09	0.00E+00	7.81E-09	1.31E-09	1.92E-09	0.00E+00	3.24E-09
101	441841.2	3769094	1.54E-08	1.88E-08	0.00E+00	3.42E-08	1.73E-08	2.73E-08	0.00E+00	4.46E-08	2.91E-09	4.65E-09	0.00E+00	7.56E-09	1.27E-09	1.86E-09	0.00E+00	3.14E-09
102	441833.7	3769100	1.49E-08	1.82E-08	0.00E+00	3.31E-08	1.68E-08	2.64E-08	0.00E+00	4.32E-08	2.82E-09	4.50E-09	0.00E+00	7.32E-09	1.23E-09	1.80E-09	0.00E+00	3.03E-09
103	441826.1	3769106	1.44E-08	1.76E-08	0.00E+00	3.20E-08	1.62E-08	2.55E-08	0.00E+00	4.18E-08	2.72E-09	4.35E-09	0.00E+00	7.08E-09	1.19E-09	1.74E-09	0.00E+00	2.94E-09
104	441818.6	3769112	1.39E-08	1.70E-08	0.00E+00	3.09E-08	1.57E-08	2.47E-08	0.00E+00	4.04E-08	2.63E-09	4.21E-09	0.00E+00	6.84E-09	1.15E-09	1.69E-09	0.00E+00	2.84E-09
105	441811	3769118	1.35E-08	1.64E-08	0.00E+00	2.99E-08	1.52E-08	2.39E-08	0.00E+00	3.90E-08	2.54E-09	4.07E-09	0.00E+00	6.61E-09	1.11E-09	1.63E-09	0.00E+00	2.74E-09
106	441803.5	3769125	1.30E-08	1.59E-08	0.00E+00	2.89E-08	1.47E-08	2.30E-08	0.00E+00	3.77E-08	2.46E-09	3.93E-09	0.00E+00	6.39E-09	1.07E-09	1.57E-09	0.00E+00	2.65E-09
107	441795.9	3769131	1.26E-08	1.53E-08	0.00E+00	2.79E-08	1.42E-08	2.23E-08	0.00E+00	3.64E-08	2.37E-09	3.79E-09	0.00E+00	6.17E-09	1.04E-09	1.52E-09	0.00E+00	2.56E-09
108	441788.4	3769137	1.21E-08	1.48E-08	0.00E+00	2.69E-08	1.37E-08	2.15E-08	0.00E+00	3.51E-08	2.29E-09	3.66E-09	0.00E+00	5.95E-09	1.00E-09	1.47E-09	0.00E+00	2.47E-09
109	441690.2	3769216	7.75E-09	9.45E-09	0.00E+00	1.72E-08	8.74E-09	1.37E-08	0.00E+00	2.25E-08	1.47E-09	2.34E-09	0.00E+00	3.81E-09	6.41E-10	9.38E-10	0.00E+00	1.58E-09

110	441682.7	3769222	7.52E-09	9.16E-09	0.00E+00	1.67E-08	8.47E-09	1.33E-08	0.00E+00	2.18E-08	1.42E-09	2.27E-09	0.00E+00	3.69E-09	6.22E-10	9.10E-10	0.00E+00	1.53E-09
111	441675.1	3769229	7.29E-09	8.89E-09	0.00E+00	1.62E-08	8.22E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.58E-09	6.03E-10	8.82E-10	0.00E+00	1.48E-09
112	442039.8	3768752	2.28E-08	2.78E-08	0.00E+00	5.06E-08	2.57E-08	4.04E-08	0.00E+00	6.61E-08	4.31E-09	6.89E-09	0.00E+00	1.12E-08	1.89E-09	2.76E-09	0.00E+00	4.65E-09
113	442036.9	3768761	2.34E-08	2.85E-08	0.00E+00	5.19E-08	2.64E-08	4.14E-08	0.00E+00	6.78E-08	4.42E-09	7.06E-09	0.00E+00	1.15E-08	1.93E-09	2.83E-09	0.00E+00	4.76E-09
114	442034.1	3768770	2.39E-08	2.91E-08	0.00E+00	5.31E-08	2.70E-08	4.24E-08	0.00E+00	6.93E-08	4.52E-09	7.22E-09	0.00E+00	1.17E-08	1.98E-09	2.89E-09	0.00E+00	4.87E-09
115	442031.2	3768779	2.44E-08	2.98E-08	0.00E+00	5.42E-08	2.75E-08	4.33E-08	0.00E+00	7.08E-08	4.61E-09	7.38E-09	0.00E+00	1.20E-08	2.02E-09	2.95E-09	0.00E+00	4.97E-09
116	442028.3	3768788	2.49E-08	3.03E-08	0.00E+00	5.52E-08	2.81E-08	4.41E-08	0.00E+00	7.22E-08	4.71E-09	7.52E-09	0.00E+00	1.22E-08	2.06E-09	3.01E-09	0.00E+00	5.07E-09
117	442025.5	3768797	2.53E-08	3.09E-08	0.00E+00	5.62E-08	2.86E-08	4.49E-08	0.00E+00	7.35E-08	4.79E-09	7.65E-09	0.00E+00	1.24E-08	2.10E-09	3.07E-09	0.00E+00	5.16E-09
118	442022.6	3768806	2.57E-08	3.14E-08	0.00E+00	5.71E-08	2.90E-08	4.56E-08	0.00E+00	7.46E-08	4.87E-09	7.78E-09	0.00E+00	1.26E-08	2.13E-09	3.11E-09	0.00E+00	5.24E-09
119	442019.7	3768815	2.61E-08	3.18E-08	0.00E+00	5.79E-08	2.94E-08	4.62E-08	0.00E+00	7.56E-08	4.93E-09	7.88E-09	0.00E+00	1.28E-08	2.16E-09	3.16E-09	0.00E+00	5.31E-09
120	442016.9	3768825	2.64E-08	3.22E-08	0.00E+00	5.86E-08	2.97E-08	4.68E-08	0.00E+00	7.65E-08	4.99E-09	7.97E-09	0.00E+00	1.30E-08	2.18E-09	3.19E-09	0.00E+00	5.38E-09
121	442014	3768834	2.66E-08	3.25E-08	0.00E+00	5.91E-08	3.00E-08	4.72E-08	0.00E+00	7.72E-08	5.03E-09	8.05E-09	0.00E+00	1.31E-08	2.20E-09	3.22E-09	0.00E+00	5.42E-09
122	442011.1	3768843	2.68E-08	3.27E-08	0.00E+00	5.95E-08	3.02E-08	4.75E-08	0.00E+00	7.78E-08	5.07E-09	8.10E-09	0.00E+00	1.32E-08	2.22E-09	3.25E-09	0.00E+00	5.46E-09
123	441982.4	3768934	2.57E-08	3.13E-08	0.00E+00	5.70E-08	2.89E-08	4.55E-08	0.00E+00	7.44E-08	4.85E-09	7.76E-09	0.00E+00	1.26E-08	2.12E-09	3.11E-09	0.00E+00	5.23E-09
124	441979.6	3768943	2.53E-08	3.08E-08	0.00E+00	5.61E-08	2.85E-08	4.48E-08	0.00E+00	7.33E-08	4.78E-09	7.64E-09	0.00E+00	1.24E-08	2.09E-09	3.06E-09	0.00E+00	5.15E-09
125	441976.7	3768952	2.48E-08	3.03E-08	0.00E+00	5.51E-08	2.80E-08	4.40E-08	0.00E+00	7.20E-08	4.70E-09	7.51E-09	0.00E+00	1.22E-08	2.05E-09	3.01E-09	0.00E+00	5.06E-09
126	441973.8	3768961	2.44E-08	2.97E-08	0.00E+00	5.41E-08	2.75E-08	4.32E-08	0.00E+00	7.07E-08	4.61E-09	7.36E-09	0.00E+00	1.20E-08	2.02E-09	2.95E-09	0.00E+00	4.97E-09
127	441971	3768970	2.39E-08	2.91E-08	0.00E+00	5.30E-08	2.69E-08	4.23E-08	0.00E+00	6.92E-08	4.51E-09	7.21E-09	0.00E+00	1.17E-08	1.97E-09	2.89E-09	0.00E+00	4.86E-09
128	441956.6	3769016	2.10E-08	2.56E-08	0.00E+00	4.65E-08	2.36E-08	3.72E-08	0.00E+00	6.08E-08	3.96E-09	6.33E-09	0.00E+00	1.03E-08	1.73E-09	2.54E-09	0.00E+00	4.27E-09
129	441953.8	3769025	2.03E-08	2.48E-08	0.00E+00	4.51E-08	2.29E-08	3.60E-08	0.00E+00	5.90E-08	3.84E-09	6.14E-09	0.00E+00	9.99E-09	1.68E-09	2.46E-09	0.00E+00	4.14E-09
130	441950.9	3769034	1.97E-08	2.40E-08	0.00E+00	4.37E-08	2.22E-08	3.49E-08	0.00E+00	5.71E-08	3.72E-09	5.95E-09	0.00E+00	9.67E-09	1.63E-09	2.38E-09	0.00E+00	4.01E-09
131	441948	3769043	1.91E-08	2.32E-08	0.00E+00	4.23E-08	2.15E-08	3.38E-08	0.00E+00	5.52E-08	3.60E-09	5.76E-09	0.00E+00	9.36E-09	1.58E-09	2.31E-09	0.00E+00	3.88E-09
132	441945.1	3769052	1.84E-08	2.24E-08	0.00E+00	4.08E-08	2.07E-08	3.26E-08	0.00E+00	5.34E-08	3.48E-09	5.56E-09	0.00E+00	9.04E-09	1.52E-09	2.23E-09	0.00E+00	3.75E-09
133	441934.9	3769067	1.74E-08	2.12E-08	0.00E+00	3.86E-08	1.96E-08	3.08E-08	0.00E+00	5.04E-08	3.29E-09	5.25E-09	0.00E+00	8.54E-09	1.44E-09	2.10E-09	0.00E+00	3.54E-09
134	441927.4	3769073	1.70E-08	2.07E-08	0.00E+00	3.77E-08	1.92E-08	3.01E-08	0.00E+00	4.93E-08	3.21E-09	5.13E-09	0.00E+00	8.35E-09	1.40E-09	2.06E-09	0.00E+00	3.46E-09
135	441920	3769079	1.66E-08	2.02E-08	0.00E+00	3.68E-08	1.87E-08	2.94E-08	0.00E+00	4.81E-08	3.14E-09	5.01E-09	0.00E+00	8.15E-09	1.37E-09	2.01E-09	0.00E+00	3.38E-09
136	441912.6	3769085	1.62E-08	1.97E-08	0.00E+00	3.59E-08	1.82E-08	2.87E-08	0.00E+00	4.69E-08	3.06E-09	4.89E-09	0.00E+00	7.95E-09	1.34E-09	1.96E-09	0.00E+00	3.30E-09
137	441905.2	3769091	1.58E-08	1.92E-08	0.00E+00	3.50E-08	1.78E-08	2.79E-08	0.00E+00	4.57E-08	2.98E-09	4.76E-09	0.00E+00	7.74E-09	1.30E-09	1.91E-09	0.00E+00	3.21E-09
138	441897.8	3769097	1.53E-08	1.87E-08	0.00E+00	3.40E-08	1.73E-08	2.72E-08	0.00E+00	4.45E-08	2.90E-09	4.63E-09	0.00E+00	7.53E-09	1.27E-09	1.86E-09	0.00E+00	3.12E-09
139	441890.4	3769103	1.49E-08	1.82E-08	0.00E+00	3.31E-08	1.68E-08	2.64E-08	0.00E+00	4.32E-08	2.82E-09	4.50E-09	0.00E+00	7.32E-09	1.23E-09	1.80E-09	0.00E+00	3.04E-09
140	441883	3769109	1.45E-08	1.76E-08	0.00E+00	3.21E-08	1.63E-08	2.57E-08	0.00E+00	4.20E-08	2.74E-09	4.37E-09	0.00E+00	7.11E-09	1.20E-09	1.75E-09	0.00E+00	2.95E-09
141	441875.5	3769115	1.40E-08	1.71E-08	0.00E+00	3.12E-08	1.58E-08	2.49E-08	0.00E+00	4.07E-08	2.65E-09	4.24E-09	0.00E+00	6.90E-09	1.16E-09	1.70E-09	0.00E+00	2.86E-09
142	441868.1	3769121	1.36E-08	1.66E-08	0.00E+00	3.02E-08	1.53E-08	2.41E-08	0.00E+00	3.95E-08	2.57E-09	4.11E-09	0.00E+00	6.69E-09	1.13E-09	1.65E-09	0.00E+00	2.77E-09
143	441860.7	3769127	1.32E-08	1.61E-08	0.00E+00	2.93E-08	1.49E-08	2.34E-08	0.00E+00	3.83E-08	2.50E-09	3.99E-09	0.00E+00	6.48E-09	1.09E-09	1.60E-09	0.00E+00	2.69E-09
144	441853.3	3769133	1.28E-08	1.56E-08	0.00E+00	2.84E-08	1.44E-08	2.27E-08	0.00E+00	3.71E-08	2.42E-09	3.86E-09	0.00E+00	6.28E-09	1.06E-09	1.55E-09	0.00E+00	2.60E-09
145	441845.9	3769139	1.24E-08	1.51E-08	0.00E+00	2.75E-08	1.40E-08	2.19E-08	0.00E+00	3.59E-08	2.34E-09	3.74E-09	0.00E+00	6.08E-09	1.02E-09	1.50E-09	0.00E+00	2.52E-09
146	441838.5	3769145	1.20E-08	1.46E-08	0.00E+00	2.66E-08	1.35E-08	2.12E-08	0.00E+00	3.47E-08	2.27E-09	3.62E-09	0.00E+00	5.89E-09	9.91E-10	1.45E-09	0.00E+00	2.44E-09
147	441831.1	3769151	1.16E-08	1.41E-08	0.00E+00	2.57E-08	1.31E-08	2.06E-08	0.00E+00	3.36E-08	2.19E-09	3.50E-09	0.00E+00	5.70E-09	9.59E-10	1.40E-09	0.00E+00	2.36E-09
148	441823.6	3769158	1.12E-08	1.37E-08	0.00E+00	2.49E-08	1.26E-08	1.99E-08	0.00E+00	3.25E-08	2.12E-09	3.39E-09	0.00E+00	5.51E-09	9.28E-10	1.36E-09	0.00E+00	2.29E-09
149	441816.2	3769164	1.09E-08	1.32E-08	0.00E+00	2.41E-08	1.22E-08	1.92E-08	0.00E+00	3.15E-08	2.05E-09	3.28E-09	0.00E+00	5.33E-09	8.98E-10	1.31E-09	0.00E+00	2.21E-09
150	441808.8	3769170	1.05E-08	1.28E-08	0.00E+00	2.33E-08	1.18E-08	1.86E-08	0.00E+00	3.04E-08	1.99E-09	3.17E-09	0.00E+00	5.16E-09	8.68E-10	1.27E-09	0.00E+00	2.14E-09
151	441801.4	3769176	1.02E-08	1.24E-08	0.00E+00	2.25E-08	1.15E-08	1.80E-08	0.00E+00	2.95E-08	1.92E-09	3.07E-09	0.00E+00	4.99E-09	8.40E-10	1.23E-09	0.00E+00	2.07E-09
152	441794	3769182	9.83E-09	1.20E-08	0.00E+00	2.18E-08	1.11E-08	1.74E-08	0.00E+00	2.85E-08	1.86E-09	2.97E-09	0.00E+00	4.83E-09	8.13E-10	1.19E-09	0.00E+00	2.00E-09
153	441786.6	3769188	9.51E-09	1.16E-08	0.00E+00	2.11E-08	1.07E-08	1.69E-08	0.00E+00	2.76E-08	1.80E-09	2.87E-09	0.00E+00	4.67E-09	7.87E-10	1.15E-09	0.00E+00	1.94E-09
154	441749.5	3769218	8.09E-09	9.87E-09	0.00E+00	1.80E-08	9.12E-09	1.43E-08	0.00E+00	2.35E-08	1.53E-09	2.45E-09	0.00E+00	3.98E-09	6.69E-10	9.80E-10	0.00E+00	1.65E-09
155	441742.1	3769224	7.85E-09	9.57E-09	0.00E+00	1.74E-08	8.85E-09	1.39E-08	0.00E+00	2.28E-08	1.48E-09	2.37E-09	0.00E+00	3.85E-09	6.49E-10	9.50E-10	0.00E+00	1.60E-09
156	441734.7	3769230	7.62E-09	9.28E-09	0.00E+00	1.69E-08	8.58E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.30E-09	0.00E+00	3.74E-09	6.30E-10	9.22E-10	0.00E+00	1.55E-09
157	441727.2	3769236	7.39E-09	9.01E-09	0.00E+00	1.64E-08	8.33E-09	1.31E-08	0.00E+00	2.14E-08	1.40E-09	2.23E-09	0.00E+00	3.63E-09	6.11E-10	8.95E-10	0.00E+00	1.51E-09
158	441719.8	3769242	7.18E-09	8.76E-09	0.00E+00	1.59E-08	8.10E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.94E-10	8.69E-10	0.00E+00	1.46E-09
159	441712.4	3769248	6.98E-09	8.51E-09	0.00E+00	1.55E-08	7.87E-09	1.24E-08	0.00E+00	2.02E-08	1.32E-09	2.11E-09	0.00E+00	3.43E-09	5.77E-10	8.45E-10	0.00E+00	1.42E-09
160	441705	3769254	6.78E-09	8.27E-09	0.00E+00	1.51E-08	7.65E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.33E-09	5.61E-10	8.21E-10	0.00E+00	1.38E-09
161	441697.6	3769260	6.60E-09	8.04E-09	0.00E+00	1.46E-08	7.43E-09	1.17E-08	0.00E+00	1.91E-08	1.25E-09	1.99E-09	0.00E+00	3.24E-09	5.45E-10	7.98E-10	0.00E+00	1.34E-09
162	441690.2	3769266	6.41E-09	7.81E-09	0.00E+00	1.42E-08	7.23E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.30E-10	7.76E-10	0.00E+00	1.31E-09
163	442042.7	3768743	2.22E-08	2.71E-08	0.00E+00	4.93E-08	2.50E-08	3.94E-08	0.00E+00	6.44E-08	4.20E-09	6.71E-09	0.00E+00	1.09E-08	1.84E-09	2.69E-09	0.00E+00	4.53E-09
164	442043.2	3768704	2.01E-08	2.45E-08	0.00E+00	4.46E-08	2.26E-08	3.56E-08	0.00E+00	5.82E-08	3.80E-09	6.07E-09	0.00E+00	9.86E-09	1.66E-09	2.43E-09	0.00E+00	4.09E-09
165	442043.3	3768694	1.95E-08	2.38E-08	0.00E+00	4.33E-08	2.20E-08	3.45E-08	0.00E+00	5.65E-08	3.68E-09	5.89E-09	0.00E+00	9.57E-09	1.61E-09	2.36E-09	0.00E+00	3.97E-09
166	442043.4	3768684	1.89E-08	2.30E-08	0.00E+00	4.19E-08	2.13E-08	3.35E-08	0.00E+00	5.48E-08	3.57E-09	5.71E-09	0.00E+00	9.28E-09	1.56E-09	2.29E-09	0.00E+00	3.85E-09
167	442043.6	3768674	1.83E-08	2.23E-08	0.00E+00	4.05E-08	2.06E-08	3.24E-08	0.00E+00	5.30E-08	3.45E-09	5.52E-09	0.00E+00	8.97E-09	1.51E-09	2.21E-09	0.00E+00	3.72E-09
168	442043.7	3768665	1.76E-08	2.15E-08	0.00E+00	3.91E-08	1.99E-08	3.13E-08	0.00E+00	5.11E-08	3.33E-09	5.33E-09	0.00E+00	8.66E-09	1.46E-09	2.13E-09	0.00E+00	3.59E-09
169	442043.8	3768655	1.70E-08	2.07E-08	0.00E+00	3.78E-08	1.92E-08	3.02E-08	0.00E+00	4.93E-08	3.22E-09	5.14E-09	0.00E+00	8.36E-09	1.41E-09	2.06E-09	0.00E+00	3.47E-09
170	442043.9	3768645	1.64E-08	2.00E-08	0.00E+00	3.64E-08	1.85E-08	2.91E-08	0.00E+00	4.76E-08	3.10E-09	4.96E-09	0.00E+00	8.06E-09	1.36E-09	1.99E-09	0.00E+00	3.34E-09
171	442044.1	3768635	1.58E-08	1.93E-08	0.00E+00	3.51E-08	1.78E-08	2.80E-08	0.00E+00	4.58E-08	2.99E-09	4.77E-09	0.00E+00	7.76E-09	1.31E-09	1.91E-09	0.00E+00	3.22E-09
172	442079.8	3768752	2.05E-08	2.50E-08	0.00E+00	4.55E-08	2.31E-08	3.64E-08	0.00E+00	5.95E-08	3.88E-09	6.20E-09	0.00E+00	1.01E-08	1.70E-09	2.48E-09	0.00E+00	4.18E-09
173	442076.9	3768762	2.10E-08	2.57E-08	0.00E+00	4.67E-08	2.37E-08	3.73E-08	0.00E+00	6.10E-08	3.98E-09	6.36E-09	0.00E+00	1.03E-08	1.74E-09	2.55E-09	0.00E+00	4.29E-09
174	442074	3768771	2.16E-08	2.63E-08	0.00E+00	4.78E-08	2.43E-08	3.82E-08	0.00E+00	6.25E-08	4.07E-09	6.51E-09	0.00E+00	1.06E-08	1.78E-09	2.61E-09	0.00E+00	4.39E-09
175	442071.1	3768780	2.20E-08	2.69E-08	0.00E+00	4.89E-08	2.48E-08	3.91E-08	0.00E+00	6.39E-08	4.17E-09	6.66E-09	0.00E+00	1.08E-08	1.82E-09	2.67E-09	0.00E+00	4.49E-09
176	442068.2	3768789	2.25E-08	2.74E-08	0.00E+00	4.99E-08	2.54E-08	3.99E-08	0.00E+00	6.52E-08	4.25E-09	6.80E-09	0.00E+00	1.11E-08	1.86E-09	2.72E-09	0.00E+00	4.58E-09
177	442065.3	3768798	2.29E-08	2.80E-08	0.00E+00	5.09E-08	2.58E-08	4.06E-08	0.00E+00	6.65E-08	4.33E-09	6.93E-09	0.00E+00	1.13E-08	1.90E-09	2.78E-09	0.00E+00	4.67E-09
178	442062.4	3768808	2.33E-08	2.84E-08	0.00E+00	5.17E-08	2.63E-08	4.13E-08	0.00E+00	6.76E-08	4.41E-09	7.04E-09	0.00E+00	1.15E-08	1.93E-09	2.82E-09	0.00E+00	4.75E-09
179	442059.5	3768817	2.37E-08	2.88E-08	0.00E+00	5.25E-08	2.67E-08	4.19E-08	0.00E+00	6.86E-08	4.47E-09	7.15E-09	0.00E+00	1.16E-08	1.96E-09	2.86E-09	0.00E+00	4.82E-09
180	442056.6	3768826	2.39E-08	2.92E-08	0.00E+00	5.31E-08	2.70E-08	4.24E-08	0.00E+00	6.94E-08	4.53E-09	7.23E-09	0.00E+00	1.18E-08	1.98E-09	2.90E-09	0.00E+00	4.88E-09
181	442053.7	3768835	2.42E-08	2.95E-08	0.00E+00	5.37E-08	2.73E-08	4.29E-08	0.00E+00	7.01E-08	4.57E-09	7.31E-09	0.00E+00	1.19E-08	2.00E-09	2.93E-09	0.00E+00	4.93E-09
182	442050.8	3768844	2.44E-08	2.97E-08	0.00E+00	5.41E-08	2.75E-08	4.32E-08	0.00E+00	7.07E-08	4.61E-09	7.37E-09	0.00E+00	1.20E-08	2.02E-09	2.95E-09	0.00E+00	4.97E-09
183	442047.9	3768854	2.46E-08	2.99E-08	0.00E+00	5.45E-08	2.77E-08	4.35E-08	0.00E+00	7.12E-08	4.64E-09	7.42E-09	0.00E+00	1.21E-08	2.03E-09	2.97E-09	0.00E+00	5.00E-09
184	442045	3768863	2.47E-08	3.01E-08	0.00E+00	5.47E-08	2.78E-08	4.37E-08	0.00E+00	7.15E-08	4.66E-09	7.45E-09	0.00E+00	1.21E-08	2.04E-09	2.99E-09	0.00E+00	5.03E-09
185	442042.1	3768872	2.47E-08	3.02E-08	0.00E+00	5.49E-08	2.79E-08	4.38E-08	0.00E+00	7.17E-08	4.68E-09	7.47E-09	0.00E+00	1.21E-08	2.05E-09	2.99E-09	0.00E+00	5.04E-09
186	442039.2	3768881	2.48E-08	3.02E-08	0.00E+00	5.49E-08	2.79E-08	4.39E-08	0.00E+00	7.18E-08	4.68E-09	7.48E-09	0.00E+00	1.22E-08	2.05E-09	3.00E-09	0.00E+00	5.04E-09
187	442036.3	3768890	2.47E-08	3.01E-08	0.00E+00	5.49E-08	2.79E-08	4.38E-08	0.00E+00	7.17E-08	4.67E-09	7.47E-09	0.00E+00	1.21E-08	2.04E-09	2.99E-09	0.00E+00	5.04E-09
188	442033.4	3768900	2.46E-08	3.00E-08	0.00E+00	5.47E-08	2.78E-08	4.37E-08	0.00E+00	7.14E-08	4.66E-09	7.44E-09	0.00E+00	1.21E-08	2.04E-09	2.98E-09	0.00E+00	5.02E-09
189	442030.5	3768909	2.45E-08	2.99E-08	0.00E+00	5.44E-08	2.76E-08	4.34E-08	0.00E+00	7.11E-08	4.63E-09	7.41E-09	0.00E+00	1.20E-08	2.03E-09	2.97E-09	0.00E+00	4.99E-09
190	442027.6	3768918	2.43E-08	2.97E-08	0.00E+00	5.40E-08	2.74E-08	4.31E-08	0.00E+00	7.06E-08	4.60E-09	7.35E-09	0.00E+00	1.20E-08	2.01E-09	2.95E-09	0.00E+00	4.96E-09
191	442024.7	3768927	2.41E-08	2.94E-08	0.00E+00	5.35E-08	2.72E-08	4.28E-08	0.00E+00	6.99E-08	4.56E-09	7.29E-09	0.00E+00	1.18E-08	1.99E-09	2.92E-09	0.00E+00	4.91E-09
192	442021.8	3768937	2.39E-08	2.91E-08	0.00E+00	5.30E-08	2.69E-08	4.23E-08	0.00E+00	6.92E-08	4.51E-09	7.21E-09	0.00E+00	1.17E-08	1.97E-09	2.89E-09	0.00E+00	4.86E-09
193	441995.7	3769019	2.00E-08	2.44E-08	0.00E+00	4.44E-08	2.26E-08	3.55E-08	0.00E+00	5.80E-08	3.78E-09	6.05E-09	0.00E+00	9.83E-09	1.65E-09	2.42E-09	0.00E+00	4.08E-09
194	441992.8	3769029	1.95E-08	2.38E-08	0.00E+00	4.32E-08	2.20E-08	3.45E-08	0.00E+00	5.65E-08	3.68E-09	5.89E-09	0.00E+00	9.57E-09	1.61E-09	2.36E-09	0.00E+00	3.97E-09
195	441989.9	3769038	1.89E-08	2.31E-08	0.00E+00	4.20E-08	2.13E-08	3.35E-08	0.00E+00	5.49E-08	3.58E-09	5.72E-09	0.00E+00	9.30E-09	1.57E-09	2.29E-09	0.00E+00	3.86E-09
196	441987	3769047	1.84E-08	2.24E-08	0.00E+00	4.08E-08	2.07E-08	3.25E-08	0.00E+00	5.32E-08	3.47E-09	5.55E-09	0.00E+00	9.02E-09	1.52E-09	2.22E-09	0.00E+00	3.74E-09
197	441984.1	3769056	1.78E-08	2.17E-08	0.00E+00	3.95E-08	2.01E-08	3.15E-08	0.00E+00	5.16E-08	3.36E-09	5.38E-09	0.00E+00	8.74E-09	1.47E-09	2.15E-09	0.00E+00	3.63E-09
198	441981.2	3769065	1.72E-08	2.10E-08	0.00E+00	3.82E-08	1.94E-08	3.05E-08	0.00E+00	4.99E-08	3.26E-09	5.20E-09	0.00E+00	8.46E-09	1.42E-09	2.08E-09	0.00E+00	3.51E-09
199	441978.3	3769075	1.67E-08	2.03E-08	0.00E+00	3.70E-08	1.88E-08	2.95E-08	0.00E+00	4.83E-08	3.15E-09	5.03E-09	0.00E+00	8.18E-09	1.38E-09	2.02E-09	0.00E+00	3.39E-09
200	441967.9	3769090	1.57E-08	1.92E-08	0.00E+00	3.49E-08	1.77E-08	2.79E-08	0.00E+00	4.56E-08	2.97E-09	4.75E-09	0.00E+00	7.72E-09	1.30E-09	1.90E-09	0.00E+00	3.20E-09
201	441960.4	3769096	1.54E-08	1.87E-08	0.00E+00	3.41E-08	1.73E-08	2.72E-08	0.00E+00	4.45E-08	2.90E-09	4.64E-09	0.00E+00	7.55E-09	1.27E-09	1.86E-09	0.00E+00	3.13E-09
202	441952.9	3769102	1.50E-08	1.83E-08	0.00E+00	3.33E-08	1.69E-08	2.66E-08	0.00E+00	4.35E-08	2.84E-09	4.53E-09	0.00E+00	7.37E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
203	441945.4	3769108	1.46E-08	1.78E-08	0.00E+00	3.25E-08	1.65E-08	2.59E-08	0.00E+00	4.24E-08	2.77E-09	4.42E-09	0.00E+00	7.19E-09	1.21E-09	1.77E-09	0.00E+00	2.98E-09
204	441937.9	3769114	1.43E-08	1.74E-08	0.00E+00	3.17E-08	1.61E-08	2.53E-08	0.00E+00	4.14E-08	2.70E-09	4.31E-09	0.00E+00	7.01E-09	1.18E-09	1.73E-09	0.00E+00	2.91E-09
205	441930.4	3769120	1.39E-08	1.69E-08	0.00E+00	3.08E-08	1.57E-08	2.46E-08	0.00E+00	4.03E-08	2.63E-09	4.20E-09	0.00E+00	6.82E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
206	441922.9	3769126	1.35E-08	1.65E-08	0.00E+00	3.00E-08	1.52E-08	2.40E-08	0.00E+00	3.92E-08	2.56E-09	4.08E-09	0.00E+00	6.64E-09	1.12E-09	1.64E-09	0.00E+00	2.75E-09
207	441915.4	3769132	1.31E-08	1.60E-08	0.00E+00	2.91E-08	1.48E-08	2.33E-08	0.00E+00	3.81E-08	2.48E-09	3.97E-09	0.00E+00	6.45E-09	1.09E-09	1.59E-09	0.00E+00	2.67E-09
208	441907.9	3769139	1.27E-08	1.55E-08	0.00E+00	2.83E-08	1.44E-08	2.26E-08	0.00E+00	3.69E-08	2.41E-09	3.85E-09	0.00E+00	6.25E-09	1.05E-09	1.54E-09	0.00E+00	2.59E-09
209	441900.4	3769145	1.23E-08	1.50E-08	0.00E+00	2.74E-08	1.39E-08	2.19E-08	0.00E+00	3.58E-08	2.33E-09	3.73E-09	0.00E+00	6.06E-09	1.02E-09	1.49E-09	0.00E+00	2.51E-09
210	441892.9	3769151	1.20E-08	1.46E-08	0.00E+00	2.66E-08	1.35E-08	2.12E-08	0.00E+00	3.47E-08	2.26E-09	3.62E-09	0.00E+00	5.88E-09	9.90E-10	1.45E-09	0.00E+00	2.44E-09
211	441885.4	3769157	1.16E-08	1.42E-08	0.00E+00	2.58E-08	1.31E-08	2.06E-08	0.00E+00	3.37E-08	2.20E-09	3.51E-09	0.00E+00	5.70E-09	9.60E-10	1.41E-09	0.00E+00	2.37E-09
212	441877.9	3769163	1.13E-08	1.37E-08	0.00E+00	2.50E-08	1.27E-08	1.99E-08	0.00E+00	3.26E-08	2.13E-09	3.40E-09	0.00E+00	5.53E-09	9.31E-10	1.36E-09	0.00E+00	2.29E-09
213	441870.4	3769169	1.09E-08	1.33E-08	0.00E+00	2.42E-08	1.23E-08	1.93E-08	0.00E+00	3.16E-08	2.06E-09	3.29E-09	0.00E+00	5.36E-09	9.02E-10	1.32E-09	0.00E+00	2.22E-09
214	441862.9	3769175	1.06E-08	1.29E-08	0.00E+00	2.35E-08	1.19E-08	1.87E-08	0.00E+00	3.06E-08	2.00E-09	3.19E-09	0.00E+00	5.19E-09	8.74E-10	1.28E-09	0.00E+00	2.15E-09
215	441855.4	3769181	1.02E-08	1.25E-08	0.00E+00	2.27E-08	1.15E-08	1.82E-08	0.00E+00	2.97E-08	1.94E-09	3.10E-09	0.00E+00	5.03E-09	8.47E-10	1.24E-09	0.00E+00	2.09E-09
216	441847.9	3769187	9.93E-09	1.21E-08	0.00E+00	2.20E-08	1.12E-08	1.76E-08	0.00E+00	2.88E-08	1.88E-09	3.00E-09	0.00E+00	4.88E-09	8.21E-10	1.20E-09	0.00E+00	2.02E-09
217	441802.9	3769224	8.22E-09	1.00E-08	0.00E+00	1.82E-08	9.27E-09	1.46E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.04E-09	6.80E-10	9.95E-10	0.00E+00	1.67E-09
218	441795.4	3769230	7.97E-09	9.72E-09	0.00E+00	1.77E-08	8.98E-09	1.41E-08	0.00E+00	2.31E-08	1.51E-09	2.41E-09	0.00E+00	3.91E-09	6.59E-10	9.65E-10	0.00E+00	1.62E-09
219	441787.9	3769236	7.73E-09	9.42E-09	0.00E+00	1.72E-08	8.71E-09	1.37E-08	0.00E+00	2.24E-08	1.46E-09	2.34E-09	0.00E+00	3.80E-09	6.39E-10	9.36E-10	0.00E+00	1.57E-09
220	441780.4	3769242	7.50E-09	9.14E-09	0.00E+00	1.66E-08	8.45E-09	1.33E-08	0.00E+00	2.17E-08	1.42E-09	2.26E-09	0.00E+00	3.68E-09	6.20E-10	9.07E-10	0.00E+00	1.53E-09
221	441772.9	3769248	7.27E-09	8.87E-09	0.00E+00	1.61E-08	8.20E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.57E-09	6.01E-10	8.80E-10	0.00E+00	1.48E-09

222	441765.4	3769254	7.06E-09	8.61E-09	0.00E+00	1.57E-08	7.96E-09	1.25E-08	0.00E+00	2.05E-08	1.34E-09	2.13E-09	0.00E+00	3.47E-09	5.84E-10	8.55E-10	0.00E+00	1.44E-09
223	441757.9	3769260	6.86E-09	8.36E-09	0.00E+00	1.52E-08	7.73E-09	1.22E-08	0.00E+00	1.99E-08	1.30E-09	2.07E-09	0.00E+00	3.37E-09	5.67E-10	8.30E-10	0.00E+00	1.40E-09
224	441750.4	3769266	6.67E-09	8.13E-09	0.00E+00	1.48E-08	7.52E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.52E-10	8.08E-10	0.00E+00	1.36E-09
225	441742.9	3769272	6.49E-09	7.92E-09	0.00E+00	1.44E-08	7.32E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.19E-09	5.37E-10	7.86E-10	0.00E+00	1.32E-09
226	441735.4	3769278	6.32E-09	7.71E-09	0.00E+00	1.40E-08	7.13E-09	1.12E-08	0.00E+00	1.83E-08	1.20E-09	1.91E-09	0.00E+00	3.11E-09	5.23E-10	7.65E-10	0.00E+00	1.29E-09
227	441727.9	3769284	6.16E-09	7.51E-09	0.00E+00	1.37E-08	6.94E-09	1.09E-08	0.00E+00	1.79E-08	1.16E-09	1.86E-09	0.00E+00	3.02E-09	5.09E-10	7.45E-10	0.00E+00	1.25E-09
228	441720.4	3769291	6.00E-09	7.31E-09	0.00E+00	1.33E-08	6.76E-09	1.06E-08	0.00E+00	1.74E-08	1.13E-09	1.81E-09	0.00E+00	2.95E-09	4.96E-10	7.26E-10	0.00E+00	1.22E-09
229	441712.9	3769297	5.83E-09	7.11E-09	0.00E+00	1.29E-08	6.57E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.82E-10	7.06E-10	0.00E+00	1.19E-09
230	441705.4	3769303	5.54E-09	6.75E-09	0.00E+00	1.23E-08	6.24E-09	9.82E-09	0.00E+00	1.61E-08	1.05E-09	1.67E-09	0.00E+00	2.72E-09	4.58E-10	6.70E-10	0.00E+00	1.13E-09
231	442082.7	3768743	2.00E-08	2.43E-08	0.00E+00	4.43E-08	2.25E-08	3.54E-08	0.00E+00	5.79E-08	3.77E-09	6.03E-09	0.00E+00	9.80E-09	1.65E-09	2.42E-09	0.00E+00	4.07E-09
232	442083.2	3768704	1.80E-08	2.20E-08	0.00E+00	4.00E-08	2.03E-08	3.20E-08	0.00E+00	5.23E-08	3.41E-09	5.45E-09	0.00E+00	8.86E-09	1.49E-09	2.18E-09	0.00E+00	3.67E-09
233	442083.3	3768694	1.75E-08	2.14E-08	0.00E+00	3.89E-08	1.98E-08	3.11E-08	0.00E+00	5.08E-08	3.31E-09	5.30E-09	0.00E+00	8.61E-09	1.45E-09	2.12E-09	0.00E+00	3.57E-09
234	442083.4	3768685	1.70E-08	2.08E-08	0.00E+00	3.78E-08	1.92E-08	3.02E-08	0.00E+00	4.94E-08	3.22E-09	5.15E-09	0.00E+00	8.37E-09	1.41E-09	2.06E-09	0.00E+00	3.47E-09
235	442083.6	3768675	1.65E-08	2.02E-08	0.00E+00	3.67E-08	1.86E-08	2.93E-08	0.00E+00	4.80E-08	3.13E-09	5.00E-09	0.00E+00	8.12E-09	1.37E-09	2.00E-09	0.00E+00	3.37E-09
236	442083.7	3768665	1.60E-08	1.96E-08	0.00E+00	3.56E-08	1.81E-08	2.84E-08	0.00E+00	4.65E-08	3.03E-09	4.85E-09	0.00E+00	7.88E-09	1.33E-09	1.94E-09	0.00E+00	3.27E-09
237	442083.8	3768655	1.55E-08	1.89E-08	0.00E+00	3.44E-08	1.75E-08	2.75E-08	0.00E+00	4.50E-08	2.93E-09	4.69E-09	0.00E+00	7.62E-09	1.28E-09	1.88E-09	0.00E+00	3.16E-09
238	442083.9	3768646	1.50E-08	1.83E-08	0.00E+00	3.33E-08	1.69E-08	2.66E-08	0.00E+00	4.35E-08	2.84E-09	4.53E-09	0.00E+00	7.37E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
239	442084.1	3768636	1.45E-08	1.76E-08	0.00E+00	3.21E-08	1.63E-08	2.57E-08	0.00E+00	4.20E-08	2.74E-09	4.37E-09	0.00E+00	7.11E-09	1.20E-09	1.75E-09	0.00E+00	2.95E-09
240	442119.7	3768753	1.85E-08	2.26E-08	0.00E+00	4.12E-08	2.09E-08	3.29E-08	0.00E+00	5.38E-08	3.51E-09	5.60E-09	0.00E+00	9.11E-09	1.53E-09	2.24E-09	0.00E+00	3.78E-09
241	442116.8	3768762	1.90E-08	2.32E-08	0.00E+00	4.22E-08	2.15E-08	3.37E-08	0.00E+00	5.52E-08	3.60E-09	5.75E-09	0.00E+00	9.35E-09	1.57E-09	2.30E-09	0.00E+00	3.88E-09
242	442113.9	3768772	1.95E-08	2.38E-08	0.00E+00	4.33E-08	2.20E-08	3.46E-08	0.00E+00	5.65E-08	3.69E-09	5.89E-09	0.00E+00	9.58E-09	1.61E-09	2.36E-09	0.00E+00	3.97E-09
243	442111	3768781	1.99E-08	2.43E-08	0.00E+00	4.43E-08	2.25E-08	3.53E-08	0.00E+00	5.78E-08	3.77E-09	6.03E-09	0.00E+00	9.80E-09	1.65E-09	2.41E-09	0.00E+00	4.06E-09
244	442108	3768790	2.04E-08	2.48E-08	0.00E+00	4.52E-08	2.30E-08	3.61E-08	0.00E+00	5.90E-08	3.85E-09	6.15E-09	0.00E+00	1.00E-08	1.68E-09	2.46E-09	0.00E+00	4.15E-09
245	442105.1	3768799	2.08E-08	2.53E-08	0.00E+00	4.61E-08	2.34E-08	3.68E-08	0.00E+00	6.02E-08	3.92E-09	6.27E-09	0.00E+00	1.02E-08	1.72E-09	2.51E-09	0.00E+00	4.23E-09
246	442102.2	3768809	2.11E-08	2.58E-08	0.00E+00	4.69E-08	2.38E-08	3.74E-08	0.00E+00	6.13E-08	3.99E-09	6.38E-09	0.00E+00	1.04E-08	1.75E-09	2.56E-09	0.00E+00	4.30E-09
247	442099.2	3768818	2.15E-08	2.62E-08	0.00E+00	4.76E-08	2.42E-08	3.80E-08	0.00E+00	6.22E-08	4.06E-09	6.48E-09	0.00E+00	1.05E-08	1.77E-09	2.60E-09	0.00E+00	4.37E-09
248	442096.3	3768827	2.17E-08	2.65E-08	0.00E+00	4.82E-08	2.45E-08	3.85E-08	0.00E+00	6.30E-08	4.11E-09	6.57E-09	0.00E+00	1.07E-08	1.80E-09	2.63E-09	0.00E+00	4.43E-09
249	442093.4	3768837	2.20E-08	2.68E-08	0.00E+00	4.88E-08	2.48E-08	3.90E-08	0.00E+00	6.38E-08	4.16E-09	6.65E-09	0.00E+00	1.08E-08	1.82E-09	2.66E-09	0.00E+00	4.48E-09
250	442090.4	3768846	2.22E-08	2.71E-08	0.00E+00	4.93E-08	2.50E-08	3.94E-08	0.00E+00	6.44E-08	4.20E-09	6.71E-09	0.00E+00	1.09E-08	1.84E-09	2.69E-09	0.00E+00	4.52E-09
251	442087.5	3768855	2.24E-08	2.73E-08	0.00E+00	4.97E-08	2.52E-08	3.97E-08	0.00E+00	6.49E-08	4.23E-09	6.76E-09	0.00E+00	1.10E-08	1.85E-09	2.71E-09	0.00E+00	4.56E-09
252	442084.6	3768865	2.25E-08	2.74E-08	0.00E+00	5.00E-08	2.54E-08	3.99E-08	0.00E+00	6.53E-08	4.26E-09	6.80E-09	0.00E+00	1.11E-08	1.86E-09	2.72E-09	0.00E+00	4.59E-09
253	442081.7	3768874	2.26E-08	2.76E-08	0.00E+00	5.02E-08	2.55E-08	4.01E-08	0.00E+00	6.55E-08	4.27E-09	6.83E-09	0.00E+00	1.11E-08	1.87E-09	2.74E-09	0.00E+00	4.61E-09
254	442078.7	3768883	2.27E-08	2.76E-08	0.00E+00	5.03E-08	2.56E-08	4.02E-08	0.00E+00	6.57E-08	4.29E-09	6.85E-09	0.00E+00	1.11E-08	1.87E-09	2.74E-09	0.00E+00	4.62E-09
255	442075.8	3768892	2.27E-08	2.77E-08	0.00E+00	5.03E-08	2.56E-08	4.02E-08	0.00E+00	6.58E-08	4.29E-09	6.85E-09	0.00E+00	1.11E-08	1.88E-09	2.75E-09	0.00E+00	4.62E-09
256	442072.9	3768902	2.27E-08	2.76E-08	0.00E+00	5.03E-08	2.55E-08	4.02E-08	0.00E+00	6.57E-08	4.28E-09	6.85E-09	0.00E+00	1.11E-08	1.87E-09	2.74E-09	0.00E+00	4.62E-09
257	442069.9	3768911	2.26E-08	2.76E-08	0.00E+00	5.02E-08	2.55E-08	4.01E-08	0.00E+00	6.56E-08	4.27E-09	6.83E-09	0.00E+00	1.11E-08	1.87E-09	2.74E-09	0.00E+00	4.61E-09
258	442067	3768920	2.25E-08	2.74E-08	0.00E+00	5.00E-08	2.54E-08	3.99E-08	0.00E+00	6.53E-08	4.26E-09	6.80E-09	0.00E+00	1.11E-08	1.86E-09	2.72E-09	0.00E+00	4.59E-09
259	442064.1	3768930	2.24E-08	2.73E-08	0.00E+00	4.97E-08	2.52E-08	3.97E-08	0.00E+00	6.49E-08	4.23E-09	6.76E-09	0.00E+00	1.10E-08	1.85E-09	2.71E-09	0.00E+00	4.56E-09
260	442061.2	3768939	2.22E-08	2.71E-08	0.00E+00	4.93E-08	2.50E-08	3.94E-08	0.00E+00	6.44E-08	4.20E-09	6.71E-09	0.00E+00	1.09E-08	1.84E-09	2.69E-09	0.00E+00	4.52E-09
261	442058.2	3768948	2.20E-08	2.68E-08	0.00E+00	4.88E-08	2.48E-08	3.89E-08	0.00E+00	6.37E-08	4.15E-09	6.64E-09	0.00E+00	1.08E-08	1.82E-09	2.66E-09	0.00E+00	4.48E-09
262	442055.3	3768958	2.17E-08	2.64E-08	0.00E+00	4.81E-08	2.45E-08	3.84E-08	0.00E+00	6.29E-08	4.10E-09	6.55E-09	0.00E+00	1.07E-08	1.79E-09	2.63E-09	0.00E+00	4.42E-09
263	442052.4	3768967	2.14E-08	2.61E-08	0.00E+00	4.75E-08	2.41E-08	3.79E-08	0.00E+00	6.20E-08	4.04E-09	6.46E-09	0.00E+00	1.05E-08	1.77E-09	2.59E-09	0.00E+00	4.36E-09
264	442049.4	3768976	2.11E-08	2.57E-08	0.00E+00	4.67E-08	2.37E-08	3.73E-08	0.00E+00	6.10E-08	3.98E-09	6.36E-09	0.00E+00	1.03E-08	1.74E-09	2.55E-09	0.00E+00	4.29E-09
265	442046.5	3768985	2.07E-08	2.52E-08	0.00E+00	4.59E-08	2.33E-08	3.67E-08	0.00E+00	6.00E-08	3.91E-09	6.25E-09	0.00E+00	1.02E-08	1.71E-09	2.50E-09	0.00E+00	4.22E-09
266	441993.3	3769119	1.40E-08	1.71E-08	0.00E+00	3.10E-08	1.58E-08	2.48E-08	0.00E+00	4.06E-08	2.65E-09	4.23E-09	0.00E+00	6.87E-09	1.16E-09	1.69E-09	0.00E+00	2.85E-09
267	441985.7	3769125	1.37E-08	1.67E-08	0.00E+00	3.03E-08	1.54E-08	2.42E-08	0.00E+00	3.96E-08	2.58E-09	4.13E-09	0.00E+00	6.71E-09	1.13E-09	1.65E-09	0.00E+00	2.78E-09
268	441978.1	3769131	1.33E-08	1.63E-08	0.00E+00	2.96E-08	1.50E-08	2.36E-08	0.00E+00	3.87E-08	2.52E-09	4.03E-09	0.00E+00	6.55E-09	1.10E-09	1.61E-09	0.00E+00	2.72E-09
269	441970.6	3769137	1.30E-08	1.59E-08	0.00E+00	2.89E-08	1.47E-08	2.30E-08	0.00E+00	3.77E-08	2.46E-09	3.93E-09	0.00E+00	6.39E-09	1.08E-09	1.57E-09	0.00E+00	2.65E-09
270	441963	3769143	1.27E-08	1.54E-08	0.00E+00	2.81E-08	1.43E-08	2.24E-08	0.00E+00	3.67E-08	2.39E-09	3.82E-09	0.00E+00	6.22E-09	1.05E-09	1.53E-09	0.00E+00	2.58E-09
271	441955.4	3769149	1.23E-08	1.50E-08	0.00E+00	2.73E-08	1.39E-08	2.18E-08	0.00E+00	3.57E-08	2.33E-09	3.72E-09	0.00E+00	6.05E-09	1.02E-09	1.49E-09	0.00E+00	2.51E-09
272	441947.8	3769155	1.20E-08	1.46E-08	0.00E+00	2.66E-08	1.35E-08	2.12E-08	0.00E+00	3.47E-08	2.26E-09	3.62E-09	0.00E+00	5.88E-09	9.90E-10	1.45E-09	0.00E+00	2.44E-09
273	441940.3	3769162	1.16E-08	1.42E-08	0.00E+00	2.58E-08	1.31E-08	2.06E-08	0.00E+00	3.37E-08	2.20E-09	3.51E-09	0.00E+00	5.71E-09	9.62E-10	1.41E-09	0.00E+00	2.37E-09
274	441932.7	3769168	1.13E-08	1.38E-08	0.00E+00	2.51E-08	1.27E-08	2.00E-08	0.00E+00	3.27E-08	2.13E-09	3.41E-09	0.00E+00	5.55E-09	9.34E-10	1.37E-09	0.00E+00	2.30E-09
275	441925.1	3769174	1.10E-08	1.34E-08	0.00E+00	2.43E-08	1.24E-08	1.94E-08	0.00E+00	3.18E-08	2.07E-09	3.31E-09	0.00E+00	5.38E-09	9.06E-10	1.33E-09	0.00E+00	2.23E-09
276	441917.6	3769180	1.06E-08	1.30E-08	0.00E+00	2.36E-08	1.20E-08	1.89E-08	0.00E+00	3.08E-08	2.01E-09	3.21E-09	0.00E+00	5.23E-09	8.80E-10	1.29E-09	0.00E+00	2.17E-09
277	441910	3769186	1.03E-08	1.26E-08	0.00E+00	2.29E-08	1.16E-08	1.83E-08	0.00E+00	2.99E-08	1.95E-09	3.12E-09	0.00E+00	5.07E-09	8.53E-10	1.25E-09	0.00E+00	2.10E-09
278	441902.4	3769192	1.00E-08	1.22E-08	0.00E+00	2.22E-08	1.13E-08	1.77E-08	0.00E+00	2.90E-08	1.89E-09	3.02E-09	0.00E+00	4.92E-09	8.28E-10	1.21E-09	0.00E+00	2.04E-09
279	441864.6	3769223	8.58E-09	1.05E-08	0.00E+00	1.90E-08	9.68E-09	1.52E-08	0.00E+00	2.49E-08	1.62E-09	2.59E-09	0.00E+00	4.22E-09	7.10E-10	1.04E-09	0.00E+00	1.75E-09
280	441857	3769229	8.33E-09	1.02E-08	0.00E+00	1.85E-08	9.39E-09	1.48E-08	0.00E+00	2.41E-08	1.57E-09	2.52E-09	0.00E+00	4.09E-09	6.89E-10	1.01E-09	0.00E+00	1.70E-09
281	441849.4	3769235	8.09E-09	9.86E-09	0.00E+00	1.79E-08	9.11E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.69E-10	9.79E-10	0.00E+00	1.65E-09
282	441841.8	3769241	7.85E-09	9.57E-09	0.00E+00	1.74E-08	8.85E-09	1.39E-08	0.00E+00	2.28E-08	1.48E-09	2.37E-09	0.00E+00	3.86E-09	6.49E-10	9.50E-10	0.00E+00	1.60E-09
283	441834.3	3769248	7.63E-09	9.30E-09	0.00E+00	1.69E-08	8.60E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.30E-09	0.00E+00	3.75E-09	6.30E-10	9.23E-10	0.00E+00	1.55E-09
284	441826.7	3769254	7.40E-09	9.03E-09	0.00E+00	1.64E-08	8.35E-09	1.31E-08	0.00E+00	2.15E-08	1.40E-09	2.24E-09	0.00E+00	3.64E-09	6.12E-10	8.96E-10	0.00E+00	1.51E-09
285	441819.1	3769260	7.19E-09	8.77E-09	0.00E+00	1.60E-08	8.10E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.95E-10	8.70E-10	0.00E+00	1.46E-09
286	441811.5	3769266	6.98E-09	8.51E-09	0.00E+00	1.55E-08	7.87E-09	1.24E-08	0.00E+00	2.02E-08	1.32E-09	2.11E-09	0.00E+00	3.43E-09	5.77E-10	8.45E-10	0.00E+00	1.42E-09
287	441804	3769272	6.78E-09	8.27E-09	0.00E+00	1.51E-08	7.64E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.33E-09	5.61E-10	8.21E-10	0.00E+00	1.38E-09
288	441796.4	3769278	6.59E-09	8.04E-09	0.00E+00	1.46E-08	7.43E-09	1.17E-08	0.00E+00	1.91E-08	1.25E-09	1.99E-09	0.00E+00	3.24E-09	5.45E-10	7.98E-10	0.00E+00	1.34E-09
289	441788.8	3769284	6.41E-09	7.82E-09	0.00E+00	1.42E-08	7.23E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.30E-10	7.76E-10	0.00E+00	1.31E-09
290	441781.3	3769290	6.25E-09	7.61E-09	0.00E+00	1.39E-08	7.04E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.16E-10	7.56E-10	0.00E+00	1.27E-09
291	441773.7	3769297	6.08E-09	7.41E-09	0.00E+00	1.35E-08	6.85E-09	1.08E-08	0.00E+00	1.76E-08	1.15E-09	1.84E-09	0.00E+00	2.98E-09	5.02E-10	7.35E-10	0.00E+00	1.24E-09
292	441766.1	3769303	5.91E-09	7.21E-09	0.00E+00	1.31E-08	6.67E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.79E-09	0.00E+00	2.90E-09	4.89E-10	7.16E-10	0.00E+00	1.20E-09
293	441758.5	3769309	5.76E-09	7.02E-09	0.00E+00	1.28E-08	6.49E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.76E-10	6.97E-10	0.00E+00	1.17E-09
294	441751	3769315	5.47E-09	6.67E-09	0.00E+00	1.21E-08	6.16E-09	9.69E-09	0.00E+00	1.59E-08	1.03E-09	1.65E-09	0.00E+00	2.69E-09	4.52E-10	6.62E-10	0.00E+00	1.11E-09
295	441743.4	3769321	5.31E-09	6.48E-09	0.00E+00	1.18E-08	5.99E-09	9.42E-09	0.00E+00	1.54E-08	1.00E-09	1.61E-09	0.00E+00	2.61E-09	4.39E-10	6.43E-10	0.00E+00	1.08E-09
296	441735.8	3769327	5.18E-09	6.31E-09	0.00E+00	1.15E-08	5.83E-09	9.17E-09	0.00E+00	1.50E-08	9.79E-10	1.56E-09	0.00E+00	2.54E-09	4.28E-10	6.26E-10	0.00E+00	1.05E-09
297	441728.2	3769333	5.05E-09	6.15E-09	0.00E+00	1.12E-08	5.69E-09	8.94E-09	0.00E+00	1.46E-08	9.54E-10	1.52E-09	0.00E+00	2.48E-09	4.17E-10	6.11E-10	0.00E+00	1.03E-09
298	441720.7	3769340	4.93E-09	6.01E-09	0.00E+00	1.09E-08	5.55E-09	8.73E-09	0.00E+00	1.43E-08	9.31E-10	1.49E-09	0.00E+00	2.42E-09	4.07E-10	5.96E-10	0.00E+00	1.00E-09
299	442122.7	3768744	1.80E-08	2.20E-08	0.00E+00	4.00E-08	2.03E-08	3.20E-08	0.00E+00	5.23E-08	3.41E-09	5.45E-09	0.00E+00	8.86E-09	1.49E-09	2.18E-09	0.00E+00	3.67E-09
300	442123.2	3768705	1.63E-08	1.99E-08	0.00E+00	3.62E-08	1.84E-08	2.89E-08	0.00E+00	4.73E-08	3.09E-09	4.93E-09	0.00E+00	8.02E-09	1.35E-09	1.98E-09	0.00E+00	3.33E-09
301	442123.3	3768695	1.59E-08	1.94E-08	0.00E+00	3.52E-08	1.79E-08	2.81E-08	0.00E+00	4.60E-08	3.00E-09	4.80E-09	0.00E+00	7.80E-09	1.31E-09	1.92E-09	0.00E+00	3.24E-09
302	442123.4	3768685	1.55E-08	1.88E-08	0.00E+00	3.43E-08	1.74E-08	2.74E-08	0.00E+00	4.48E-08	2.92E-09	4.67E-09	0.00E+00	7.59E-09	1.28E-09	1.87E-09	0.00E+00	3.15E-09
303	442123.6	3768675	1.50E-08	1.83E-08	0.00E+00	3.34E-08	1.69E-08	2.66E-08	0.00E+00	4.36E-08	2.84E-09	4.54E-09	0.00E+00	7.39E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
304	442123.7	3768666	1.46E-08	1.78E-08	0.00E+00	3.24E-08	1.65E-08	2.59E-08	0.00E+00	4.23E-08	2.76E-09	4.41E-09	0.00E+00	7.17E-09	1.21E-09	1.77E-09	0.00E+00	2.98E-09
305	442123.8	3768656	1.42E-08	1.73E-08	0.00E+00	3.14E-08	1.60E-08	2.51E-08	0.00E+00	4.11E-08	2.68E-09	4.28E-09	0.00E+00	6.96E-09	1.17E-09	1.71E-09	0.00E+00	2.89E-09
306	442123.9	3768646	1.37E-08	1.67E-08	0.00E+00	3.04E-08	1.55E-08	2.43E-08	0.00E+00	3.98E-08	2.59E-09	4.14E-09	0.00E+00	6.74E-09	1.13E-09	1.66E-09	0.00E+00	2.79E-09
307	442124.1	3768636	1.33E-08	1.62E-08	0.00E+00	2.94E-08	1.50E-08	2.35E-08	0.00E+00	3.85E-08	2.51E-09	4.01E-09	0.00E+00	6.52E-09	1.10E-09	1.61E-09	0.00E+00	2.70E-09
308	442159.8	3768753	1.68E-08	2.05E-08	0.00E+00	3.72E-08	1.89E-08	2.97E-08	0.00E+00	4.87E-08	3.17E-09	5.07E-09	0.00E+00	8.24E-09	1.39E-09	2.03E-09	0.00E+00	3.42E-09
309	442156.9	3768763	1.72E-08	2.10E-08	0.00E+00	3.82E-08	1.94E-08	3.05E-08	0.00E+00	4.99E-08	3.26E-09	5.20E-09	0.00E+00	8.46E-09	1.42E-09	2.08E-09	0.00E+00	3.51E-09
310	442154	3768772	1.76E-08	2.15E-08	0.00E+00	3.91E-08	1.99E-08	3.13E-08	0.00E+00	5.11E-08	3.34E-09	5.33E-09	0.00E+00	8.67E-09	1.46E-09	2.14E-09	0.00E+00	3.59E-09
311	442151.1	3768781	1.80E-08	2.20E-08	0.00E+00	4.01E-08	2.03E-08	3.20E-08	0.00E+00	5.23E-08	3.41E-09	5.45E-09	0.00E+00	8.87E-09	1.49E-09	2.18E-09	0.00E+00	3.68E-09
312	442148.2	3768790	1.85E-08	2.25E-08	0.00E+00	4.09E-08	2.08E-08	3.27E-08	0.00E+00	5.35E-08	3.49E-09	5.57E-09	0.00E+00	9.06E-09	1.53E-09	2.23E-09	0.00E+00	3.76E-09
313	442145.4	3768799	1.88E-08	2.30E-08	0.00E+00	4.18E-08	2.12E-08	3.34E-08	0.00E+00	5.46E-08	3.56E-09	5.69E-09	0.00E+00	9.25E-09	1.56E-09	2.28E-09	0.00E+00	3.84E-09
314	442142.5	3768808	1.92E-08	2.34E-08	0.00E+00	4.26E-08	2.16E-08	3.40E-08	0.00E+00	5.56E-08	3.63E-09	5.80E-09	0.00E+00	9.42E-09	1.59E-09	2.32E-09	0.00E+00	3.91E-09
315	442139.6	3768817	1.95E-08	2.38E-08	0.00E+00	4.33E-08	2.20E-08	3.45E-08	0.00E+00	5.65E-08	3.69E-09	5.89E-09	0.00E+00	9.58E-09	1.61E-09	2.36E-09	0.00E+00	3.97E-09
316	442136.7	3768827	1.98E-08	2.41E-08	0.00E+00	4.39E-08	2.23E-08	3.50E-08	0.00E+00	5.73E-08	3.74E-09	5.97E-09	0.00E+00	9.71E-09	1.64E-09	2.39E-09	0.00E+00	4.03E-09
317	442133.8	3768836	2.00E-08	2.44E-08	0.00E+00	4.45E-08	2.26E-08	3.55E-08	0.00E+00	5.81E-08	3.79E-09	6.05E-09	0.00E+00	9.84E-09	1.66E-09	2.42E-09	0.00E+00	4.08E-09
318	442130.9	3768845	2.03E-08	2.47E-08	0.00E+00	4.49E-08	2.28E-08	3.59E-08	0.00E+00	5.87E-08	3.83E-09	6.12E-09	0.00E+00	9.95E-09	1.67E-09	2.45E-09	0.00E+00	4.13E-09
319	442128	3768854	2.04E-08	2.49E-08	0.00E+00	4.54E-08	2.30E-08	3.62E-08	0.00E+00	5.93E-08	3.86E-09	6.18E-09	0.00E+00	1.00E-08	1.69E-09	2.47E-09	0.00E+00	4.16E-09
320	442125.2	3768863	2.06E-08	2.51E-08	0.00E+00	4.57E-08	2.32E-08	3.65E-08	0.00E+00	5.97E-08	3.89E-09	6.22E-09	0.00E+00	1.01E-08	1.70E-09	2.49E-09	0.00E+00	4.20E-09
321	442122.3	3768872	2.07E-08	2.53E-08	0.00E+00	4.60E-08	2.34E-08	3.67E-08	0.00E+00	6.01E-08	3.92E-09	6.26E-09	0.00E+00	1.02E-08	1.71E-09	2.51E-09	0.00E+00	4.22E-09
322	442119.4	3768882	2.08E-08	2.54E-08	0.00E+00	4.62E-08	2.35E-08	3.69E-08	0.00E+00	6.04E-08	3.94E-09	6.29E-09	0.00E+00	1.02E-08	1.72E-09	2.52E-09	0.00E+00	4.24E-09
323	442116.5	3768891	2.09E-08	2.55E-08	0.00E+00	4.64E-08	2.36E-08	3.70E-08	0.00E+00	6.06E-08	3.95E-09	6.31E-09	0.00E+00	1.03E-08	1.73E-09	2.53E-09	0.00E+00	4.26E-09
324	442113.6	3768900	2.09E-08	2.55E-08	0.00E+00	4.65E-08	2.36E-08	3.71E-08	0.00E+00	6.07E-08	3.96E-09	6.32E-09	0.00E+00	1.03E-08	1.73E-09	2.53E-09	0.00E+00	4.26E-09
325	442110.7	3768909	2.09E-08	2.55E-08	0.00E+00	4.64E-08	2.36E-08	3.71E-08	0.00E+00	6.07E-08	3.96E-09	6.32E-09	0.00E+00	1.03E-08	1.73E-09	2.53E-09	0.00E+00	4.26E-09
326	442107.9	3768918	2.09E-08	2.55E-08	0.00E+00	4.63E-08	2.35E-08	3.70E-08	0.00E+00	6.05E-08	3.95E-09	6.31E-09	0.00E+00	1.03E-08	1.73E-09	2.53E-09	0.00E+00	4.25E-09
327	442105	3768927	2.08E-08	2.54E-08	0.00E+00	4.62E-08	2.35E-08	3.69E-08	0.00E+00	6.03E-08	3.93E-09	6.29E-09	0.00E+00	1.02E-08	1.72E-09	2.52E-09	0.00E+00	4.24E-09
328	442102.1	3768937	2.07E-08	2.53E-08	0.00E+00	4.60E-08	2.34E-08	3.67E-08	0.00E+00	6.01E-08	3.92E-09	6.26E-09	0.00E+00	1.02E-08	1.71E-09	2.51E-09	0.00E+00	4.22E-09
329	442099.2	3768946	2.06E-08	2.51E-08	0.00E+00	4.57E-08	2.32E-08	3.65E-08	0.00E+00	5.97E-08	3.89E-09	6.22E-09	0.00E+00	1.01E-08	1.70E-09	2.49E-09	0.00E+00	4.19E-09
330	442096.3	3768955	2.04E-08	2.49E-08	0.00E+00	4.53E-08	2.30E-08	3.62E-08	0.00E+00	5.92E-08	3.86E-09	6.17E-09	0.00E+00	1.00E-08	1.69E-09	2.47E-09	0.00E+00	4.16E-09
331	442093.4	3768964	2.02E-08	2.47E-08	0.00E+00	4.49E-08	2.28E-08	3.59E-08	0.00E+00	5.87E-08	3.83E-09	6.11E-09	0.00E+00	9.94E-09	1.67E-09	2.45E-09	0.00E+00	4.12E-09
332	442090.5	3768973	2.00E-08	2.44E-08	0.00E+00	4.44E-08	2.25E-08	3.54E-08	0.00E+00	5.80E-08	3.78E-09	6.04E-09	0.00E+00	9.82E-09	1.65E-09	2.42E-09	0.00E+00	4.07E-09
333	442087.7	3768982	1.97E-08	2.40E-08	0.00E+00	4.38E-08	2.22E-08	3.49E-08	0.00E+00	5.72E-08	3.73E-09	5.96E-09	0.00E+00	9.68E-09	1.63E-09	2.39E-09	0.00E+00	4.02E-09

334	442076.1	3769019	1.84E-08	2.25E-08	0.00E+00	4.09E-08	2.08E-08	3.27E-08	0.00E+00	5.34E-08	3.48E-09	5.57E-09	0.00E+00	9.05E-09	1.52E-09	2.23E-09	0.00E+00	3.75E-09
335	442073.2	3769028	1.81E-08	2.20E-08	0.00E+00	4.01E-08	2.04E-08	3.20E-08	0.00E+00	5.24E-08	3.41E-09	5.46E-09	0.00E+00	8.87E-09	1.49E-09	2.19E-09	0.00E+00	3.68E-09
336	442070.3	3769037	1.77E-08	2.15E-08	0.00E+00	3.92E-08	1.99E-08	3.13E-08	0.00E+00	5.12E-08	3.34E-09	5.34E-09	0.00E+00	8.68E-09	1.46E-09	2.14E-09	0.00E+00	3.60E-09
337	442067.5	3769046	1.73E-08	2.10E-08	0.00E+00	3.83E-08	1.95E-08	3.06E-08	0.00E+00	5.01E-08	3.26E-09	5.22E-09	0.00E+00	8.48E-09	1.43E-09	2.09E-09	0.00E+00	3.52E-09
338	442064.6	3769056	1.69E-08	2.05E-08	0.00E+00	3.74E-08	1.90E-08	2.99E-08	0.00E+00	4.89E-08	3.19E-09	5.09E-09	0.00E+00	8.28E-09	1.39E-09	2.04E-09	0.00E+00	3.43E-09
339	442061.7	3769065	1.64E-08	2.00E-08	0.00E+00	3.65E-08	1.85E-08	2.91E-08	0.00E+00	4.76E-08	3.11E-09	4.96E-09	0.00E+00	8.07E-09	1.36E-09	1.99E-09	0.00E+00	3.35E-09
340	442058.8	3769074	1.60E-08	1.95E-08	0.00E+00	3.55E-08	1.80E-08	2.84E-08	0.00E+00	4.64E-08	3.03E-09	4.83E-09	0.00E+00	7.86E-09	1.32E-09	1.94E-09	0.00E+00	3.26E-09
341	442055.9	3769083	1.56E-08	1.90E-08	0.00E+00	3.45E-08	1.75E-08	2.76E-08	0.00E+00	4.51E-08	2.94E-09	4.70E-09	0.00E+00	7.65E-09	1.29E-09	1.88E-09	0.00E+00	3.17E-09
342	442053	3769092	1.51E-08	1.84E-08	0.00E+00	3.36E-08	1.71E-08	2.68E-08	0.00E+00	4.39E-08	2.86E-09	4.57E-09	0.00E+00	7.43E-09	1.25E-09	1.83E-09	0.00E+00	3.08E-09
343	442050.2	3769101	1.47E-08	1.79E-08	0.00E+00	3.26E-08	1.66E-08	2.60E-08	0.00E+00	4.26E-08	2.78E-09	4.44E-09	0.00E+00	7.22E-09	1.21E-09	1.78E-09	0.00E+00	2.99E-09
344	441989.3	3769171	1.13E-08	1.38E-08	0.00E+00	2.51E-08	1.28E-08	2.01E-08	0.00E+00	3.28E-08	2.14E-09	3.42E-09	0.00E+00	5.56E-09	9.36E-10	1.37E-09	0.00E+00	2.30E-09
345	441981.8	3769177	1.10E-08	1.34E-08	0.00E+00	2.44E-08	1.24E-08	1.95E-08	0.00E+00	3.19E-08	2.08E-09	3.33E-09	0.00E+00	5.41E-09	9.11E-10	1.33E-09	0.00E+00	2.24E-09
346	441974.4	3769183	1.07E-08	1.31E-08	0.00E+00	2.38E-08	1.21E-08	1.90E-08	0.00E+00	3.11E-08	2.03E-09	3.24E-09	0.00E+00	5.27E-09	8.87E-10	1.30E-09	0.00E+00	2.18E-09
347	441966.9	3769189	1.04E-08	1.27E-08	0.00E+00	2.31E-08	1.18E-08	1.85E-08	0.00E+00	3.02E-08	1.97E-09	3.15E-09	0.00E+00	5.12E-09	8.62E-10	1.26E-09	0.00E+00	2.12E-09
348	441922.2	3769226	8.80E-09	1.07E-08	0.00E+00	1.95E-08	9.92E-09	1.56E-08	0.00E+00	2.55E-08	1.66E-09	2.66E-09	0.00E+00	4.32E-09	7.28E-10	1.06E-09	0.00E+00	1.79E-09
349	441914.7	3769232	8.54E-09	1.04E-08	0.00E+00	1.90E-08	9.63E-09	1.51E-08	0.00E+00	2.48E-08	1.62E-09	2.58E-09	0.00E+00	4.20E-09	7.06E-10	1.03E-09	0.00E+00	1.74E-09
350	441907.3	3769238	8.29E-09	1.01E-08	0.00E+00	1.84E-08	9.35E-09	1.47E-08	0.00E+00	2.40E-08	1.57E-09	2.51E-09	0.00E+00	4.07E-09	6.86E-10	1.00E-09	0.00E+00	1.69E-09
351	441899.8	3769244	8.06E-09	9.82E-09	0.00E+00	1.79E-08	9.08E-09	1.43E-08	0.00E+00	2.34E-08	1.52E-09	2.43E-09	0.00E+00	3.96E-09	6.66E-10	9.75E-10	0.00E+00	1.64E-09
352	441892.3	3769250	7.83E-09	9.54E-09	0.00E+00	1.74E-08	8.82E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.37E-09	0.00E+00	3.84E-09	6.47E-10	9.47E-10	0.00E+00	1.59E-09
353	441884.9	3769256	7.61E-09	9.28E-09	0.00E+00	1.69E-08	8.58E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.30E-09	0.00E+00	3.74E-09	6.29E-10	9.21E-10	0.00E+00	1.55E-09
354	441877.4	3769262	7.40E-09	9.02E-09	0.00E+00	1.64E-08	8.34E-09	1.31E-08	0.00E+00	2.15E-08	1.40E-09	2.24E-09	0.00E+00	3.64E-09	6.12E-10	8.96E-10	0.00E+00	1.51E-09
355	441870	3769268	7.20E-09	8.78E-09	0.00E+00	1.60E-08	8.12E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.54E-09	5.95E-10	8.71E-10	0.00E+00	1.47E-09
356	441862.5	3769274	7.00E-09	8.54E-09	0.00E+00	1.55E-08	7.89E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.12E-09	0.00E+00	3.44E-09	5.79E-10	8.48E-10	0.00E+00	1.43E-09
357	441855.1	3769280	6.81E-09	8.31E-09	0.00E+00	1.51E-08	7.68E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.35E-09	5.63E-10	8.24E-10	0.00E+00	1.39E-09
358	441847.6	3769286	6.63E-09	8.08E-09	0.00E+00	1.47E-08	7.47E-09	1.17E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.26E-09	5.48E-10	8.02E-10	0.00E+00	1.35E-09
359	441840.1	3769292	6.45E-09	7.87E-09	0.00E+00	1.43E-08	7.27E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.17E-09	5.34E-10	7.81E-10	0.00E+00	1.31E-09
360	441832.7	3769298	6.28E-09	7.65E-09	0.00E+00	1.39E-08	7.07E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.90E-09	0.00E+00	3.08E-09	5.19E-10	7.60E-10	0.00E+00	1.28E-09
361	441825.2	3769304	6.11E-09	7.45E-09	0.00E+00	1.36E-08	6.89E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.85E-09	0.00E+00	3.00E-09	5.05E-10	7.39E-10	0.00E+00	1.24E-09
362	441817.8	3769310	5.95E-09	7.26E-09	0.00E+00	1.32E-08	6.71E-09	1.05E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.92E-09	4.92E-10	7.20E-10	0.00E+00	1.21E-09
363	441810.3	3769316	5.81E-09	7.08E-09	0.00E+00	1.29E-08	6.54E-09	1.03E-08	0.00E+00	1.68E-08	1.10E-09	1.75E-09	0.00E+00	2.85E-09	4.80E-10	7.03E-10	0.00E+00	1.18E-09
364	441802.9	3769322	5.66E-09	6.90E-09	0.00E+00	1.26E-08	6.38E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.85E-10	0.00E+00	1.15E-09
365	441795.4	3769328	5.51E-09	6.72E-09	0.00E+00	1.22E-08	6.21E-09	9.77E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.56E-10	6.67E-10	0.00E+00	1.12E-09
366	441787.9	3769334	5.22E-09	6.37E-09	0.00E+00	1.16E-08	5.89E-09	9.26E-09	0.00E+00	1.51E-08	9.88E-10	1.58E-09	0.00E+00	2.57E-09	4.32E-10	6.32E-10	0.00E+00	1.06E-09
367	441780.5	3769340	5.10E-09	6.21E-09	0.00E+00	1.13E-08	5.74E-09	9.03E-09	0.00E+00	1.48E-08	9.63E-10	1.54E-09	0.00E+00	2.50E-09	4.21E-10	6.17E-10	0.00E+00	1.04E-09
368	441773	3769346	4.97E-09	6.06E-09	0.00E+00	1.10E-08	5.61E-09	8.82E-09	0.00E+00	1.44E-08	9.40E-10	1.50E-09	0.00E+00	2.44E-09	4.11E-10	6.02E-10	0.00E+00	1.01E-09
369	441765.6	3769353	4.87E-09	5.94E-09	0.00E+00	1.08E-08	5.49E-09	8.63E-09	0.00E+00	1.41E-08	9.20E-10	1.47E-09	0.00E+00	2.39E-09	4.03E-10	5.89E-10	0.00E+00	9.92E-10
370	442162.7	3768744	1.64E-08	1.99E-08	0.00E+00	3.63E-08	1.84E-08	2.90E-08	0.00E+00	4.74E-08	3.09E-09	4.94E-09	0.00E+00	8.03E-09	1.35E-09	1.98E-09	0.00E+00	3.33E-09
371	442199.8	3768754	1.54E-08	1.87E-08	0.00E+00	3.41E-08	1.73E-08	2.72E-08	0.00E+00	4.45E-08	2.90E-09	4.64E-09	0.00E+00	7.54E-09	1.27E-09	1.86E-09	0.00E+00	3.13E-09
372	442196.8	3768763	1.57E-08	1.92E-08	0.00E+00	3.49E-08	1.78E-08	2.79E-08	0.00E+00	4.57E-08	2.98E-09	4.76E-09	0.00E+00	7.73E-09	1.30E-09	1.91E-09	0.00E+00	3.21E-09
373	442193.9	3768772	1.61E-08	1.97E-08	0.00E+00	3.58E-08	1.82E-08	2.86E-08	0.00E+00	4.68E-08	3.05E-09	4.87E-09	0.00E+00	7.92E-09	1.33E-09	1.95E-09	0.00E+00	3.28E-09
374	442191	3768782	1.65E-08	2.01E-08	0.00E+00	3.66E-08	1.86E-08	2.92E-08	0.00E+00	4.78E-08	3.12E-09	4.98E-09	0.00E+00	8.10E-09	1.36E-09	2.00E-09	0.00E+00	3.36E-09
375	442188.1	3768791	1.68E-08	2.05E-08	0.00E+00	3.74E-08	1.90E-08	2.98E-08	0.00E+00	4.88E-08	3.18E-09	5.09E-09	0.00E+00	8.27E-09	1.39E-09	2.04E-09	0.00E+00	3.43E-09
376	442185.2	3768800	1.72E-08	2.09E-08	0.00E+00	3.81E-08	1.94E-08	3.04E-08	0.00E+00	4.98E-08	3.25E-09	5.19E-09	0.00E+00	8.44E-09	1.42E-09	2.08E-09	0.00E+00	3.50E-09
377	442182.3	3768809	1.75E-08	2.13E-08	0.00E+00	3.88E-08	1.97E-08	3.10E-08	0.00E+00	5.08E-08	3.31E-09	5.29E-09	0.00E+00	8.60E-09	1.45E-09	2.12E-09	0.00E+00	3.57E-09
378	442179.4	3768819	1.78E-08	2.17E-08	0.00E+00	3.95E-08	2.01E-08	3.15E-08	0.00E+00	5.16E-08	3.37E-09	5.38E-09	0.00E+00	8.74E-09	1.47E-09	2.15E-09	0.00E+00	3.63E-09
379	442176.5	3768828	1.81E-08	2.20E-08	0.00E+00	4.01E-08	2.04E-08	3.20E-08	0.00E+00	5.24E-08	3.42E-09	5.46E-09	0.00E+00	8.88E-09	1.49E-09	2.19E-09	0.00E+00	3.68E-09
380	442173.6	3768837	1.83E-08	2.23E-08	0.00E+00	4.07E-08	2.07E-08	3.25E-08	0.00E+00	5.31E-08	3.46E-09	5.54E-09	0.00E+00	9.00E-09	1.52E-09	2.22E-09	0.00E+00	3.73E-09
381	442170.6	3768846	1.86E-08	2.26E-08	0.00E+00	4.12E-08	2.09E-08	3.29E-08	0.00E+00	5.38E-08	3.51E-09	5.61E-09	0.00E+00	9.12E-09	1.53E-09	2.25E-09	0.00E+00	3.78E-09
382	442167.7	3768856	1.88E-08	2.29E-08	0.00E+00	4.17E-08	2.12E-08	3.33E-08	0.00E+00	5.44E-08	3.55E-09	5.67E-09	0.00E+00	9.22E-09	1.55E-09	2.27E-09	0.00E+00	3.82E-09
383	442164.8	3768865	1.90E-08	2.31E-08	0.00E+00	4.21E-08	2.14E-08	3.36E-08	0.00E+00	5.50E-08	3.58E-09	5.73E-09	0.00E+00	9.31E-09	1.57E-09	2.29E-09	0.00E+00	3.86E-09
384	442161.9	3768874	1.91E-08	2.33E-08	0.00E+00	4.24E-08	2.15E-08	3.39E-08	0.00E+00	5.54E-08	3.61E-09	5.77E-09	0.00E+00	9.38E-09	1.58E-09	2.31E-09	0.00E+00	3.89E-09
385	442159	3768883	1.92E-08	2.34E-08	0.00E+00	4.27E-08	2.17E-08	3.41E-08	0.00E+00	5.58E-08	3.64E-09	5.81E-09	0.00E+00	9.44E-09	1.59E-09	2.33E-09	0.00E+00	3.92E-09
386	442156.1	3768893	1.93E-08	2.36E-08	0.00E+00	4.29E-08	2.18E-08	3.42E-08	0.00E+00	5.60E-08	3.65E-09	5.84E-09	0.00E+00	9.49E-09	1.60E-09	2.34E-09	0.00E+00	3.94E-09
387	442153.2	3768902	1.94E-08	2.36E-08	0.00E+00	4.30E-08	2.19E-08	3.44E-08	0.00E+00	5.62E-08	3.66E-09	5.86E-09	0.00E+00	9.52E-09	1.60E-09	2.35E-09	0.00E+00	3.95E-09
388	442150.3	3768911	1.94E-08	2.37E-08	0.00E+00	4.31E-08	2.19E-08	3.44E-08	0.00E+00	5.63E-08	3.67E-09	5.86E-09	0.00E+00	9.53E-09	1.61E-09	2.35E-09	0.00E+00	3.95E-09
389	442147.3	3768920	1.94E-08	2.37E-08	0.00E+00	4.31E-08	2.19E-08	3.44E-08	0.00E+00	5.63E-08	3.67E-09	5.86E-09	0.00E+00	9.53E-09	1.60E-09	2.35E-09	0.00E+00	3.95E-09
390	442144.4	3768930	1.94E-08	2.36E-08	0.00E+00	4.30E-08	2.18E-08	3.43E-08	0.00E+00	5.62E-08	3.66E-09	5.85E-09	0.00E+00	9.51E-09	1.60E-09	2.34E-09	0.00E+00	3.95E-09
391	442141.5	3768939	1.93E-08	2.36E-08	0.00E+00	4.29E-08	2.18E-08	3.42E-08	0.00E+00	5.60E-08	3.65E-09	5.84E-09	0.00E+00	9.49E-09	1.60E-09	2.34E-09	0.00E+00	3.94E-09
392	442138.6	3768948	1.92E-08	2.34E-08	0.00E+00	4.27E-08	2.17E-08	3.41E-08	0.00E+00	5.58E-08	3.64E-09	5.81E-09	0.00E+00	9.45E-09	1.59E-09	2.33E-09	0.00E+00	3.92E-09
393	442135.7	3768957	1.91E-08	2.33E-08	0.00E+00	4.24E-08	2.15E-08	3.39E-08	0.00E+00	5.54E-08	3.61E-09	5.77E-09	0.00E+00	9.39E-09	1.58E-09	2.31E-09	0.00E+00	3.89E-09
394	442132.8	3768967	1.90E-08	2.31E-08	0.00E+00	4.21E-08	2.14E-08	3.36E-08	0.00E+00	5.50E-08	3.58E-09	5.73E-09	0.00E+00	9.31E-09	1.57E-09	2.29E-09	0.00E+00	3.86E-09
395	442129.9	3768976	1.88E-08	2.29E-08	0.00E+00	4.17E-08	2.12E-08	3.33E-08	0.00E+00	5.44E-08	3.55E-09	5.67E-09	0.00E+00	9.22E-09	1.55E-09	2.27E-09	0.00E+00	3.82E-09
396	442115.3	3769022	1.75E-08	2.13E-08	0.00E+00	3.89E-08	1.97E-08	3.10E-08	0.00E+00	5.08E-08	3.31E-09	5.29E-09	0.00E+00	8.60E-09	1.45E-09	2.12E-09	0.00E+00	3.57E-09
397	442112.4	3769031	1.72E-08	2.10E-08	0.00E+00	3.82E-08	1.94E-08	3.05E-08	0.00E+00	4.99E-08	3.25E-09	5.20E-09	0.00E+00	8.45E-09	1.42E-09	2.08E-09	0.00E+00	3.50E-09
398	442109.5	3769040	1.69E-08	2.06E-08	0.00E+00	3.75E-08	1.90E-08	2.99E-08	0.00E+00	4.89E-08	3.19E-09	5.10E-09	0.00E+00	8.29E-09	1.40E-09	2.04E-09	0.00E+00	3.44E-09
399	442106.6	3769050	1.65E-08	2.02E-08	0.00E+00	3.67E-08	1.86E-08	2.93E-08	0.00E+00	4.79E-08	3.13E-09	5.00E-09	0.00E+00	8.12E-09	1.37E-09	2.00E-09	0.00E+00	3.37E-09
400	442103.7	3769059	1.62E-08	1.97E-08	0.00E+00	3.59E-08	1.82E-08	2.87E-08	0.00E+00	4.69E-08	3.06E-09	4.89E-09	0.00E+00	7.95E-09	1.34E-09	1.96E-09	0.00E+00	3.30E-09
401	442100.8	3769068	1.58E-08	1.93E-08	0.00E+00	3.51E-08	1.78E-08	2.80E-08	0.00E+00	4.58E-08	2.99E-09	4.78E-09	0.00E+00	7.76E-09	1.31E-09	1.91E-09	0.00E+00	3.22E-09
402	442097.9	3769077	1.54E-08	1.88E-08	0.00E+00	3.42E-08	1.74E-08	2.73E-08	0.00E+00	4.47E-08	2.92E-09	4.66E-09	0.00E+00	7.58E-09	1.28E-09	1.87E-09	0.00E+00	3.14E-09
403	442094.9	3769087	1.50E-08	1.83E-08	0.00E+00	3.34E-08	1.70E-08	2.67E-08	0.00E+00	4.36E-08	2.84E-09	4.55E-09	0.00E+00	7.39E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
404	442092	3769096	1.47E-08	1.79E-08	0.00E+00	3.25E-08	1.65E-08	2.60E-08	0.00E+00	4.25E-08	2.77E-09	4.43E-09	0.00E+00	7.20E-09	1.21E-09	1.77E-09	0.00E+00	2.98E-09
405	442089.1	3769105	1.43E-08	1.74E-08	0.00E+00	3.16E-08	1.61E-08	2.53E-08	0.00E+00	4.13E-08	2.69E-09	4.31E-09	0.00E+00	7.00E-09	1.18E-09	1.72E-09	0.00E+00	2.90E-09
406	442086.2	3769114	1.39E-08	1.69E-08	0.00E+00	3.07E-08	1.56E-08	2.45E-08	0.00E+00	4.02E-08	2.62E-09	4.18E-09	0.00E+00	6.80E-09	1.15E-09	1.68E-09	0.00E+00	2.82E-09
407	442083.3	3769124	1.34E-08	1.64E-08	0.00E+00	2.98E-08	1.52E-08	2.38E-08	0.00E+00	3.90E-08	2.54E-09	4.06E-09	0.00E+00	6.60E-09	1.11E-09	1.63E-09	0.00E+00	2.74E-09
408	442080.4	3769133	1.30E-08	1.59E-08	0.00E+00	2.89E-08	1.47E-08	2.31E-08	0.00E+00	3.78E-08	2.47E-09	3.94E-09	0.00E+00	6.41E-09	1.08E-09	1.58E-09	0.00E+00	2.66E-09
409	442077.5	3769142	1.26E-08	1.54E-08	0.00E+00	2.81E-08	1.43E-08	2.24E-08	0.00E+00	3.67E-08	2.39E-09	3.82E-09	0.00E+00	6.21E-09	1.05E-09	1.53E-09	0.00E+00	2.58E-09
410	442067	3769157	1.20E-08	1.46E-08	0.00E+00	2.66E-08	1.35E-08	2.13E-08	0.00E+00	3.48E-08	2.27E-09	3.63E-09	0.00E+00	5.90E-09	9.93E-10	1.45E-09	0.00E+00	2.45E-09
411	442059.5	3769164	1.18E-08	1.43E-08	0.00E+00	2.61E-08	1.33E-08	2.08E-08	0.00E+00	3.41E-08	2.22E-09	3.55E-09	0.00E+00	5.77E-09	9.72E-10	1.42E-09	0.00E+00	2.39E-09
412	442052	3769170	1.15E-08	1.40E-08	0.00E+00	2.55E-08	1.30E-08	2.04E-08	0.00E+00	3.33E-08	2.17E-09	3.47E-09	0.00E+00	5.65E-09	9.51E-10	1.39E-09	0.00E+00	2.34E-09
413	441946.6	3769255	7.54E-09	9.19E-09	0.00E+00	1.67E-08	8.50E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.28E-09	0.00E+00	3.70E-09	6.24E-10	9.13E-10	0.00E+00	1.54E-09
414	441939.1	3769261	7.32E-09	8.92E-09	0.00E+00	1.62E-08	8.25E-09	1.30E-08	0.00E+00	2.12E-08	1.38E-09	2.21E-09	0.00E+00	3.59E-09	6.05E-10	8.86E-10	0.00E+00	1.49E-09
415	441931.6	3769267	7.13E-09	8.69E-09	0.00E+00	1.58E-08	8.04E-09	1.26E-08	0.00E+00	2.07E-08	1.35E-09	2.15E-09	0.00E+00	3.50E-09	5.89E-10	8.63E-10	0.00E+00	1.45E-09
416	441924.1	3769273	6.96E-09	8.49E-09	0.00E+00	1.55E-08	7.85E-09	1.23E-08	0.00E+00	2.02E-08	1.32E-09	2.10E-09	0.00E+00	3.42E-09	5.76E-10	8.43E-10	0.00E+00	1.42E-09
417	441916.5	3769279	7.06E-09	8.61E-09	0.00E+00	1.57E-08	7.96E-09	1.25E-08	0.00E+00	2.05E-08	1.34E-09	2.13E-09	0.00E+00	3.47E-09	5.84E-10	8.55E-10	0.00E+00	1.44E-09
418	441909	3769286	6.88E-09	8.38E-09	0.00E+00	1.53E-08	7.75E-09	1.22E-08	0.00E+00	1.99E-08	1.30E-09	2.08E-09	0.00E+00	3.38E-09	5.69E-10	8.32E-10	0.00E+00	1.40E-09
419	441901.5	3769292	6.70E-09	8.16E-09	0.00E+00	1.49E-08	7.55E-09	1.19E-08	0.00E+00	1.94E-08	1.27E-09	2.02E-09	0.00E+00	3.29E-09	5.54E-10	8.10E-10	0.00E+00	1.36E-09
420	441894	3769298	6.52E-09	7.94E-09	0.00E+00	1.45E-08	7.34E-09	1.15E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.39E-10	7.89E-10	0.00E+00	1.33E-09
421	441886.4	3769304	6.34E-09	7.73E-09	0.00E+00	1.41E-08	7.15E-09	1.12E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.11E-09	5.24E-10	7.67E-10	0.00E+00	1.29E-09
422	441878.9	3769310	6.17E-09	7.52E-09	0.00E+00	1.37E-08	6.96E-09	1.09E-08	0.00E+00	1.79E-08	1.17E-09	1.86E-09	0.00E+00	3.03E-09	5.10E-10	7.47E-10	0.00E+00	1.26E-09
423	441871.4	3769316	5.79E-09	7.06E-09	0.00E+00	1.28E-08	6.52E-09	1.03E-08	0.00E+00	1.68E-08	1.09E-09	1.75E-09	0.00E+00	2.84E-09	4.79E-10	7.00E-10	0.00E+00	1.18E-09
424	441863.9	3769322	5.63E-09	6.86E-09	0.00E+00	1.25E-08	6.34E-09	9.97E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.65E-10	6.81E-10	0.00E+00	1.15E-09
425	441856.3	3769328	5.48E-09	6.69E-09	0.00E+00	1.22E-08	6.18E-09	9.72E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.69E-09	4.54E-10	6.64E-10	0.00E+00	1.12E-09
426	441848.8	3769334	5.34E-09	6.51E-09	0.00E+00	1.19E-08	6.02E-09	9.46E-09	0.00E+00	1.55E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.42E-10	6.46E-10	0.00E+00	1.09E-09
427	441841.3	3769340	5.20E-09	6.33E-09	0.00E+00	1.15E-08	5.86E-09	9.21E-09	0.00E+00	1.51E-08	9.82E-10	1.57E-09	0.00E+00	2.55E-09	4.30E-10	6.29E-10	0.00E+00	1.06E-09
428	441833.8	3769347	5.07E-09	6.18E-09	0.00E+00	1.12E-08	5.71E-09	8.98E-09	0.00E+00	1.47E-08	9.58E-10	1.53E-09	0.00E+00	2.49E-09	4.19E-10	6.13E-10	0.00E+00	1.03E-09
429	441826.2	3769353	4.95E-09	6.04E-09	0.00E+00	1.10E-08	5.58E-09	8.78E-09	0.00E+00	1.44E-08	9.36E-10	1.50E-09	0.00E+00	2.43E-09	4.09E-10	5.99E-10	0.00E+00	1.01E-09
430	442202.7	3768745	1.50E-08	1.82E-08	0.00E+00	3.32E-08	1.69E-08	2.65E-08	0.00E+00	4.34E-08	2.83E-09	4.52E-09	0.00E+00	7.35E-09	1.24E-09	1.81E-09	0.00E+00	3.05E-09
431	442239.8	3768754	1.41E-08	1.72E-08	0.00E+00	3.12E-08	1.59E-08	2.49E-08	0.00E+00	4.08E-08	2.66E-09	4.25E-09	0.00E+00	6.91E-09	1.16E-09	1.70E-09	0.00E+00	2.87E-09
432	442236.9	3768764	1.44E-08	1.76E-08	0.00E+00	3.20E-08	1.63E-08	2.56E-08	0.00E+00	4.18E-08	2.73E-09	4.36E-09	0.00E+00	7.09E-09	1.19E-09	1.75E-09	0.00E+00	2.94E-09
433	442234	3768773	1.48E-08	1.80E-08	0.00E+00	3.28E-08	1.66E-08	2.62E-08	0.00E+00	4.28E-08	2.79E-09	4.46E-09	0.00E+00	7.25E-09	1.22E-09	1.79E-09	0.00E+00	3.01E-09
434	442231.2	3768782	1.51E-08	1.84E-08	0.00E+00	3.35E-08	1.70E-08	2.68E-08	0.00E+00	4.38E-08	2.86E-09	4.56E-09	0.00E+00	7.42E-09	1.25E-09	1.83E-09	0.00E+00	3.08E-09
435	442228.3	3768791	1.54E-08	1.88E-08	0.00E+00	3.42E-08	1.74E-08	2.73E-08	0.00E+00	4.47E-08	2.92E-09	4.66E-09	0.00E+00	7.58E-09	1.28E-09	1.87E-09	0.00E+00	3.14E-09
436	442225.4	3768800	1.57E-08	1.92E-08	0.00E+00	3.49E-08	1.77E-08	2.79E-08	0.00E+00	4.56E-08	2.98E-09	4.75E-09	0.00E+00	7.73E-09	1.30E-09	1.90E-09	0.00E+00	3.21E-09
437	442222.5	3768809	1.60E-08	1.95E-08	0.00E+00	3.56E-08	1.81E-08	2.84E-08	0.00E+00	4.65E-08	3.03E-09	4.84E-09	0.00E+00	7.87E-09	1.33E-09	1.94E-09	0.00E+00	3.27E-09
438	442219.7	3768818	1.63E-08	1.99E-08	0.00E+00	3.62E-08	1.84E-08	2.89E-08	0.00E+00	4.73E-08	3.08E-09	4.93E-09	0.00E+00	8.01E-09	1.35E-09	1.97E-09	0.00E+00	3.32E-09
439	442216.8	3768827	1.66E-08	2.02E-08	0.00E+00	3.67E-08	1.87E-08	2.93E-08	0.00E+00	4.80E-08	3.13E-09	5.00E-09	0.00E+00	8.13E-09	1.37E-09	2.00E-09	0.00E+00	3.37E-09
440	442213.9	3768836	1.68E-08	2.05E-08	0.00E+00	3.73E-08	1.89E-08	2.98E-08	0.00E+00	4.87E-08	3.17E-09	5.07E-09	0.00E+00	8.25E-09	1.39E-09	2.03E-09	0.00E+00	3.42E-09
441	442211.1	3768846	1.70E-08	2.07E-08	0.00E+00	3.77E-08	1.92E-08	3.01E-08	0.00E+00	4.93E-08	3.22E-09	5.14E-09	0.00E+00	8.35E-09	1.41E-09	2.06E-09	0.00E+00	3.47E-09
442	442208.2	3768855	1.72E-08	2.10E-08	0.00E+00	3.82E-08	1.94E-08	3.05E-08	0.00E+00	4.99E-08	3.25E-09	5.20E-09	0.00E+00	8.45E-09	1.42E-09	2.08E-09	0.00E+00	3.51E-09
443	442205.3	3768864	1.74E-08	2.12E-08	0.00E+00	3.86E-08	1.96E-08	3.08E-08	0.00E+00	5.04E-08	3.29E-09	5.26E-09	0.00E+00	8.54E-09	1.44E-09	2.11E-09	0.00E+00	3.54E-09
444	442202.4	3768873	1.76E-08	2.14E-08	0.00E+00	3.90E-08	1.98E-08	3.11E-08	0.00E+00	5.09E-08	3.32E-09	5.31E-09	0.00E+00	8.62E-09	1.45E-09	2.13E-09	0.00E+00	3.58E-09
445	442199.6	3768882	1.77E-08	2.16E-08	0.00E+00	3.93E-08	1.99E-08	3.14E-08	0.00E+00	5.13E-08	3.35E-09	5.35E-09	0.00E+00	8.69E-09	1.46E-09	2.14E-09	0.00E+00	3.60E-09

446	442196.7	3768891	1.78E-08	2.17E-08	0.00E+00	3.95E-08	2.01E-08	3.16E-08	0.00E+00	5.16E-08	3.37E-09	5.38E-09	0.00E+00	8.75E-09	1.47E-09	2.16E-09	0.00E+00	3.63E-09
447	442193.8	3768900	1.79E-08	2.18E-08	0.00E+00	3.97E-08	2.02E-08	3.17E-08	0.00E+00	5.19E-08	3.38E-09	5.41E-09	0.00E+00	8.79E-09	1.48E-09	2.17E-09	0.00E+00	3.65E-09
448	442191	3768909	1.80E-08	2.19E-08	0.00E+00	3.99E-08	2.02E-08	3.18E-08	0.00E+00	5.21E-08	3.40E-09	5.43E-09	0.00E+00	8.82E-09	1.48E-09	2.17E-09	0.00E+00	3.66E-09
449	442188.1	3768919	1.80E-08	2.19E-08	0.00E+00	3.99E-08	2.03E-08	3.19E-08	0.00E+00	5.22E-08	3.40E-09	5.44E-09	0.00E+00	8.84E-09	1.49E-09	2.18E-09	0.00E+00	3.67E-09
450	442185.2	3768928	1.80E-08	2.20E-08	0.00E+00	4.00E-08	2.03E-08	3.19E-08	0.00E+00	5.22E-08	3.40E-09	5.44E-09	0.00E+00	8.84E-09	1.49E-09	2.18E-09	0.00E+00	3.67E-09
451	442182.3	3768937	1.80E-08	2.20E-08	0.00E+00	4.00E-08	2.03E-08	3.19E-08	0.00E+00	5.22E-08	3.40E-09	5.44E-09	0.00E+00	8.84E-09	1.49E-09	2.18E-09	0.00E+00	3.67E-09
452	442179.5	3768946	1.80E-08	2.19E-08	0.00E+00	3.99E-08	2.03E-08	3.19E-08	0.00E+00	5.21E-08	3.40E-09	5.43E-09	0.00E+00	8.83E-09	1.49E-09	2.18E-09	0.00E+00	3.66E-09
453	442176.6	3768955	1.79E-08	2.18E-08	0.00E+00	3.98E-08	2.02E-08	3.18E-08	0.00E+00	5.20E-08	3.39E-09	5.41E-09	0.00E+00	8.80E-09	1.48E-09	2.17E-09	0.00E+00	3.65E-09
454	442173.7	3768964	1.78E-08	2.17E-08	0.00E+00	3.96E-08	2.01E-08	3.16E-08	0.00E+00	5.17E-08	3.37E-09	5.39E-09	0.00E+00	8.76E-09	1.47E-09	2.16E-09	0.00E+00	3.63E-09
455	442170.8	3768973	1.77E-08	2.16E-08	0.00E+00	3.93E-08	2.00E-08	3.14E-08	0.00E+00	5.14E-08	3.35E-09	5.35E-09	0.00E+00	8.70E-09	1.47E-09	2.14E-09	0.00E+00	3.61E-09
456	442168	3768982	1.76E-08	2.14E-08	0.00E+00	3.90E-08	1.98E-08	3.11E-08	0.00E+00	5.09E-08	3.32E-09	5.31E-09	0.00E+00	8.63E-09	1.45E-09	2.13E-09	0.00E+00	3.58E-09
457	442156.5	3769019	1.68E-08	2.04E-08	0.00E+00	3.72E-08	1.89E-08	2.97E-08	0.00E+00	4.86E-08	3.17E-09	5.07E-09	0.00E+00	8.24E-09	1.39E-09	2.03E-09	0.00E+00	3.42E-09
458	442153.6	3769028	1.65E-08	2.02E-08	0.00E+00	3.67E-08	1.86E-08	2.93E-08	0.00E+00	4.79E-08	3.12E-09	4.99E-09	0.00E+00	8.12E-09	1.37E-09	2.00E-09	0.00E+00	3.37E-09
459	442150.7	3769037	1.63E-08	1.98E-08	0.00E+00	3.61E-08	1.83E-08	2.88E-08	0.00E+00	4.72E-08	3.08E-09	4.92E-09	0.00E+00	7.99E-09	1.35E-09	1.97E-09	0.00E+00	3.31E-09
460	442147.9	3769046	1.60E-08	1.95E-08	0.00E+00	3.55E-08	1.80E-08	2.84E-08	0.00E+00	4.64E-08	3.02E-09	4.83E-09	0.00E+00	7.86E-09	1.32E-09	1.94E-09	0.00E+00	3.26E-09
461	442145	3769055	1.57E-08	1.92E-08	0.00E+00	3.49E-08	1.77E-08	2.78E-08	0.00E+00	4.56E-08	2.97E-09	4.75E-09	0.00E+00	7.72E-09	1.30E-09	1.90E-09	0.00E+00	3.20E-09
462	442142.1	3769064	1.54E-08	1.88E-08	0.00E+00	3.42E-08	1.74E-08	2.73E-08	0.00E+00	4.47E-08	2.91E-09	4.66E-09	0.00E+00	7.57E-09	1.27E-09	1.87E-09	0.00E+00	3.14E-09
463	442139.2	3769074	1.51E-08	1.84E-08	0.00E+00	3.35E-08	1.70E-08	2.68E-08	0.00E+00	4.38E-08	2.85E-09	4.56E-09	0.00E+00	7.42E-09	1.25E-09	1.83E-09	0.00E+00	3.08E-09
464	442136.4	3769083	1.48E-08	1.80E-08	0.00E+00	3.28E-08	1.67E-08	2.62E-08	0.00E+00	4.28E-08	2.79E-09	4.46E-09	0.00E+00	7.26E-09	1.22E-09	1.79E-09	0.00E+00	3.01E-09
465	442133.5	3769092	1.44E-08	1.76E-08	0.00E+00	3.21E-08	1.63E-08	2.56E-08	0.00E+00	4.19E-08	2.73E-09	4.36E-09	0.00E+00	7.09E-09	1.19E-09	1.75E-09	0.00E+00	2.94E-09
466	442130.6	3769101	1.41E-08	1.72E-08	0.00E+00	3.13E-08	1.59E-08	2.50E-08	0.00E+00	4.09E-08	2.67E-09	4.26E-09	0.00E+00	6.93E-09	1.17E-09	1.71E-09	0.00E+00	2.87E-09
467	442127.8	3769110	1.38E-08	1.68E-08	0.00E+00	3.05E-08	1.55E-08	2.44E-08	0.00E+00	3.99E-08	2.60E-09	4.16E-09	0.00E+00	6.76E-09	1.14E-09	1.67E-09	0.00E+00	2.80E-09
468	442124.9	3769119	1.34E-08	1.63E-08	0.00E+00	2.98E-08	1.51E-08	2.38E-08	0.00E+00	3.89E-08	2.53E-09	4.05E-09	0.00E+00	6.59E-09	1.11E-09	1.62E-09	0.00E+00	2.73E-09
469	442122	3769128	1.31E-08	1.59E-08	0.00E+00	2.90E-08	1.47E-08	2.31E-08	0.00E+00	3.78E-08	2.47E-09	3.94E-09	0.00E+00	6.41E-09	1.08E-09	1.58E-09	0.00E+00	2.66E-09
470	442119.1	3769137	1.27E-08	1.55E-08	0.00E+00	2.82E-08	1.43E-08	2.25E-08	0.00E+00	3.68E-08	2.40E-09	3.84E-09	0.00E+00	6.23E-09	1.05E-09	1.54E-09	0.00E+00	2.59E-09
471	442116.3	3769146	1.23E-08	1.50E-08	0.00E+00	2.74E-08	1.39E-08	2.19E-08	0.00E+00	3.58E-08	2.33E-09	3.73E-09	0.00E+00	6.06E-09	1.02E-09	1.49E-09	0.00E+00	2.51E-09
472	442113.4	3769156	1.20E-08	1.46E-08	0.00E+00	2.66E-08	1.35E-08	2.12E-08	0.00E+00	3.47E-08	2.27E-09	3.62E-09	0.00E+00	5.89E-09	9.91E-10	1.45E-09	0.00E+00	2.44E-09
473	442110.5	3769165	1.16E-08	1.42E-08	0.00E+00	2.58E-08	1.31E-08	2.06E-08	0.00E+00	3.37E-08	2.20E-09	3.51E-09	0.00E+00	5.71E-09	9.62E-10	1.41E-09	0.00E+00	2.37E-09
474	442100.2	3769180	1.11E-08	1.35E-08	0.00E+00	2.46E-08	1.25E-08	1.96E-08	0.00E+00	3.21E-08	2.09E-09	3.34E-09	0.00E+00	5.43E-09	9.15E-10	1.34E-09	0.00E+00	2.25E-09
475	442092.8	3769186	1.08E-08	1.32E-08	0.00E+00	2.41E-08	1.22E-08	1.92E-08	0.00E+00	3.14E-08	2.05E-09	3.27E-09	0.00E+00	5.32E-09	8.96E-10	1.31E-09	0.00E+00	2.21E-09
476	442085.4	3769192	1.06E-08	1.29E-08	0.00E+00	2.35E-08	1.20E-08	1.88E-08	0.00E+00	3.08E-08	2.01E-09	3.21E-09	0.00E+00	5.21E-09	8.77E-10	1.28E-09	0.00E+00	2.16E-09
477	442077.9	3769198	1.04E-08	1.27E-08	0.00E+00	2.30E-08	1.17E-08	1.84E-08	0.00E+00	3.01E-08	1.96E-09	3.14E-09	0.00E+00	5.10E-09	8.58E-10	1.26E-09	0.00E+00	2.11E-09
478	442070.5	3769204	1.01E-08	1.24E-08	0.00E+00	2.25E-08	1.14E-08	1.80E-08	0.00E+00	2.94E-08	1.92E-09	3.07E-09	0.00E+00	4.98E-09	8.39E-10	1.23E-09	0.00E+00	2.07E-09
479	442048.2	3769222	9.43E-09	1.15E-08	0.00E+00	2.09E-08	1.06E-08	1.67E-08	0.00E+00	2.74E-08	1.78E-09	2.85E-09	0.00E+00	4.63E-09	7.80E-10	1.14E-09	0.00E+00	1.92E-09
480	442040.8	3769228	9.19E-09	1.12E-08	0.00E+00	2.04E-08	1.04E-08	1.63E-08	0.00E+00	2.67E-08	1.74E-09	2.78E-09	0.00E+00	4.52E-09	7.60E-10	1.11E-09	0.00E+00	1.87E-09
481	441944.3	3769306	6.22E-09	7.58E-09	0.00E+00	1.38E-08	7.01E-09	1.10E-08	0.00E+00	1.80E-08	1.18E-09	1.88E-09	0.00E+00	3.05E-09	5.14E-10	7.53E-10	0.00E+00	1.27E-09
482	441936.8	3769312	6.07E-09	7.39E-09	0.00E+00	1.35E-08	6.84E-09	1.07E-08	0.00E+00	1.76E-08	1.15E-09	1.83E-09	0.00E+00	2.98E-09	5.02E-10	7.34E-10	0.00E+00	1.24E-09
483	441929.4	3769318	5.91E-09	7.20E-09	0.00E+00	1.31E-08	6.66E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.78E-09	0.00E+00	2.90E-09	4.88E-10	7.15E-10	0.00E+00	1.20E-09
484	441922	3769324	5.75E-09	7.02E-09	0.00E+00	1.28E-08	6.49E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.76E-10	6.96E-10	0.00E+00	1.17E-09
485	441914.6	3769330	5.61E-09	6.83E-09	0.00E+00	1.24E-08	6.32E-09	9.93E-09	0.00E+00	1.63E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.64E-10	6.78E-10	0.00E+00	1.14E-09
486	441907.1	3769336	5.46E-09	6.66E-09	0.00E+00	1.21E-08	6.16E-09	9.68E-09	0.00E+00	1.58E-08	1.03E-09	1.65E-09	0.00E+00	2.68E-09	4.52E-10	6.61E-10	0.00E+00	1.11E-09
487	441899.7	3769342	5.33E-09	6.50E-09	0.00E+00	1.18E-08	6.01E-09	9.44E-09	0.00E+00	1.55E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.41E-10	6.45E-10	0.00E+00	1.09E-09
488	441892.3	3769348	5.21E-09	6.35E-09	0.00E+00	1.16E-08	5.87E-09	9.24E-09	0.00E+00	1.51E-08	9.85E-10	1.57E-09	0.00E+00	2.56E-09	4.31E-10	6.31E-10	0.00E+00	1.06E-09
489	441884.9	3769354	5.10E-09	6.22E-09	0.00E+00	1.13E-08	5.75E-09	9.04E-09	0.00E+00	1.48E-08	9.64E-10	1.54E-09	0.00E+00	2.50E-09	4.22E-10	6.17E-10	0.00E+00	1.04E-09
490	441847.7	3769385	4.58E-09	5.58E-09	0.00E+00	1.02E-08	5.16E-09	8.11E-09	0.00E+00	1.33E-08	8.65E-10	1.38E-09	0.00E+00	2.25E-09	3.78E-10	5.54E-10	0.00E+00	9.32E-10
491	441840.3	3769391	4.48E-09	5.46E-09	0.00E+00	9.95E-09	5.05E-09	7.94E-09	0.00E+00	1.30E-08	8.47E-10	1.35E-09	0.00E+00	2.20E-09	3.71E-10	5.42E-10	0.00E+00	9.13E-10
492	441832.9	3769397	4.39E-09	5.36E-09	0.00E+00	9.75E-09	4.95E-09	7.79E-09	0.00E+00	1.27E-08	8.31E-10	1.33E-09	0.00E+00	2.16E-09	3.63E-10	5.32E-10	0.00E+00	8.95E-10
493	441825.5	3769403	4.31E-09	5.26E-09	0.00E+00	9.57E-09	4.86E-09	7.64E-09	0.00E+00	1.25E-08	8.15E-10	1.30E-09	0.00E+00	2.12E-09	3.57E-10	5.22E-10	0.00E+00	8.79E-10
494	441818	3769409	4.24E-09	5.16E-09	0.00E+00	9.40E-09	4.78E-09	7.51E-09	0.00E+00	1.23E-08	8.01E-10	1.28E-09	0.00E+00	2.08E-09	3.50E-10	5.13E-10	0.00E+00	8.63E-10
495	441810.6	3769415	4.16E-09	5.08E-09	0.00E+00	9.24E-09	4.69E-09	7.38E-09	0.00E+00	1.21E-08	7.87E-10	1.26E-09	0.00E+00	2.05E-09	3.44E-10	5.04E-10	0.00E+00	8.48E-10
496	441803.2	3769421	4.10E-09	5.00E-09	0.00E+00	9.09E-09	4.62E-09	7.26E-09	0.00E+00	1.19E-08	7.75E-10	1.24E-09	0.00E+00	2.01E-09	3.39E-10	4.96E-10	0.00E+00	8.35E-10
497	441795.8	3769427	4.03E-09	4.91E-09	0.00E+00	8.94E-09	4.54E-09	7.14E-09	0.00E+00	1.17E-08	7.62E-10	1.22E-09	0.00E+00	1.98E-09	3.33E-10	4.88E-10	0.00E+00	8.21E-10
498	442242.7	3768745	1.37E-08	1.67E-08	0.00E+00	3.04E-08	1.55E-08	2.43E-08	0.00E+00	3.98E-08	2.59E-09	4.14E-09	0.00E+00	6.74E-09	1.13E-09	1.66E-09	0.00E+00	2.79E-09
499	442279.8	3768755	1.30E-08	1.58E-08	0.00E+00	2.88E-08	1.46E-08	2.30E-08	0.00E+00	3.76E-08	2.45E-09	3.91E-09	0.00E+00	6.36E-09	1.07E-09	1.57E-09	0.00E+00	2.64E-09
500	442276.9	3768764	1.33E-08	1.62E-08	0.00E+00	2.95E-08	1.50E-08	2.35E-08	0.00E+00	3.85E-08	2.51E-09	4.01E-09	0.00E+00	6.52E-09	1.10E-09	1.61E-09	0.00E+00	2.71E-09
501	442274	3768773	1.36E-08	1.66E-08	0.00E+00	3.02E-08	1.53E-08	2.41E-08	0.00E+00	3.94E-08	2.57E-09	4.11E-09	0.00E+00	6.68E-09	1.12E-09	1.65E-09	0.00E+00	2.77E-09
502	442271.1	3768783	1.39E-08	1.70E-08	0.00E+00	3.09E-08	1.57E-08	2.46E-08	0.00E+00	4.03E-08	2.63E-09	4.20E-09	0.00E+00	6.83E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
503	442268.2	3768792	1.42E-08	1.73E-08	0.00E+00	3.15E-08	1.60E-08	2.52E-08	0.00E+00	4.12E-08	2.69E-09	4.29E-09	0.00E+00	6.98E-09	1.17E-09	1.72E-09	0.00E+00	2.89E-09
504	442265.3	3768801	1.45E-08	1.77E-08	0.00E+00	3.22E-08	1.63E-08	2.57E-08	0.00E+00	4.20E-08	2.74E-09	4.38E-09	0.00E+00	7.12E-09	1.20E-09	1.75E-09	0.00E+00	2.95E-09
505	442262.4	3768810	1.48E-08	1.80E-08	0.00E+00	3.28E-08	1.66E-08	2.62E-08	0.00E+00	4.28E-08	2.79E-09	4.46E-09	0.00E+00	7.25E-09	1.22E-09	1.79E-09	0.00E+00	3.01E-09
506	442259.5	3768819	1.50E-08	1.83E-08	0.00E+00	3.34E-08	1.69E-08	2.66E-08	0.00E+00	4.36E-08	2.84E-09	4.54E-09	0.00E+00	7.38E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
507	442256.6	3768829	1.53E-08	1.86E-08	0.00E+00	3.39E-08	1.72E-08	2.71E-08	0.00E+00	4.43E-08	2.89E-09	4.61E-09	0.00E+00	7.50E-09	1.26E-09	1.85E-09	0.00E+00	3.11E-09
508	442253.7	3768838	1.55E-08	1.89E-08	0.00E+00	3.44E-08	1.75E-08	2.75E-08	0.00E+00	4.49E-08	2.93E-09	4.68E-09	0.00E+00	7.61E-09	1.28E-09	1.88E-09	0.00E+00	3.16E-09
509	442250.8	3768847	1.57E-08	1.91E-08	0.00E+00	3.49E-08	1.77E-08	2.78E-08	0.00E+00	4.55E-08	2.97E-09	4.75E-09	0.00E+00	7.71E-09	1.30E-09	1.90E-09	0.00E+00	3.20E-09
510	442247.9	3768856	1.59E-08	1.94E-08	0.00E+00	3.53E-08	1.79E-08	2.82E-08	0.00E+00	4.61E-08	3.00E-09	4.80E-09	0.00E+00	7.80E-09	1.31E-09	1.92E-09	0.00E+00	3.24E-09
511	442245	3768865	1.61E-08	1.96E-08	0.00E+00	3.56E-08	1.81E-08	2.84E-08	0.00E+00	4.65E-08	3.03E-09	4.85E-09	0.00E+00	7.88E-09	1.33E-09	1.94E-09	0.00E+00	3.27E-09
512	442242.1	3768875	1.62E-08	1.98E-08	0.00E+00	3.60E-08	1.83E-08	2.87E-08	0.00E+00	4.70E-08	3.06E-09	4.89E-09	0.00E+00	7.96E-09	1.34E-09	1.96E-09	0.00E+00	3.30E-09
513	442239.2	3768884	1.63E-08	1.99E-08	0.00E+00	3.62E-08	1.84E-08	2.89E-08	0.00E+00	4.74E-08	3.09E-09	4.93E-09	0.00E+00	8.02E-09	1.35E-09	1.98E-09	0.00E+00	3.33E-09
514	442236.3	3768893	1.64E-08	2.00E-08	0.00E+00	3.65E-08	1.85E-08	2.91E-08	0.00E+00	4.77E-08	3.11E-09	4.97E-09	0.00E+00	8.08E-09	1.36E-09	1.99E-09	0.00E+00	3.35E-09
515	442233.4	3768902	1.65E-08	2.02E-08	0.00E+00	3.67E-08	1.86E-08	2.93E-08	0.00E+00	4.79E-08	3.13E-09	4.99E-09	0.00E+00	8.12E-09	1.37E-09	2.00E-09	0.00E+00	3.37E-09
516	442230.5	3768911	1.66E-08	2.03E-08	0.00E+00	3.69E-08	1.87E-08	2.94E-08	0.00E+00	4.82E-08	3.14E-09	5.02E-09	0.00E+00	8.16E-09	1.37E-09	2.01E-09	0.00E+00	3.38E-09
517	442227.6	3768920	1.67E-08	2.03E-08	0.00E+00	3.70E-08	1.88E-08	2.95E-08	0.00E+00	4.83E-08	3.15E-09	5.04E-09	0.00E+00	8.19E-09	1.38E-09	2.02E-09	0.00E+00	3.40E-09
518	442224.7	3768930	1.67E-08	2.04E-08	0.00E+00	3.71E-08	1.88E-08	2.96E-08	0.00E+00	4.84E-08	3.16E-09	5.05E-09	0.00E+00	8.20E-09	1.38E-09	2.02E-09	0.00E+00	3.40E-09
519	442221.8	3768939	1.67E-08	2.04E-08	0.00E+00	3.71E-08	1.89E-08	2.97E-08	0.00E+00	4.85E-08	3.16E-09	5.06E-09	0.00E+00	8.22E-09	1.38E-09	2.03E-09	0.00E+00	3.41E-09
520	442218.9	3768948	1.68E-08	2.04E-08	0.00E+00	3.72E-08	1.89E-08	2.97E-08	0.00E+00	4.86E-08	3.17E-09	5.06E-09	0.00E+00	8.23E-09	1.39E-09	2.03E-09	0.00E+00	3.41E-09
521	442216	3768957	1.67E-08	2.04E-08	0.00E+00	3.71E-08	1.89E-08	2.97E-08	0.00E+00	4.85E-08	3.16E-09	5.06E-09	0.00E+00	8.22E-09	1.38E-09	2.03E-09	0.00E+00	3.41E-09
522	442213.1	3768966	1.67E-08	2.03E-08	0.00E+00	3.70E-08	1.88E-08	2.96E-08	0.00E+00	4.84E-08	3.16E-09	5.04E-09	0.00E+00	8.20E-09	1.38E-09	2.02E-09	0.00E+00	3.40E-09
523	442210.2	3768976	1.66E-08	2.03E-08	0.00E+00	3.69E-08	1.87E-08	2.94E-08	0.00E+00	4.82E-08	3.14E-09	5.02E-09	0.00E+00	8.16E-09	1.37E-09	2.01E-09	0.00E+00	3.38E-09
524	442195.8	3769022	1.59E-08	1.94E-08	0.00E+00	3.53E-08	1.79E-08	2.82E-08	0.00E+00	4.61E-08	3.01E-09	4.81E-09	0.00E+00	7.82E-09	1.32E-09	1.93E-09	0.00E+00	3.24E-09
525	442192.9	3769031	1.57E-08	1.92E-08	0.00E+00	3.49E-08	1.77E-08	2.78E-08	0.00E+00	4.56E-08	2.97E-09	4.75E-09	0.00E+00	7.72E-09	1.30E-09	1.90E-09	0.00E+00	3.20E-09
526	442190	3769040	1.55E-08	1.89E-08	0.00E+00	3.44E-08	1.75E-08	2.75E-08	0.00E+00	4.49E-08	2.93E-09	4.68E-09	0.00E+00	7.61E-09	1.28E-09	1.88E-09	0.00E+00	3.16E-09
527	442187.1	3769049	1.53E-08	1.86E-08	0.00E+00	3.39E-08	1.72E-08	2.70E-08	0.00E+00	4.43E-08	2.89E-09	4.61E-09	0.00E+00	7.50E-09	1.26E-09	1.85E-09	0.00E+00	3.11E-09
528	442184.2	3769058	1.50E-08	1.83E-08	0.00E+00	3.33E-08	1.69E-08	2.66E-08	0.00E+00	4.35E-08	2.84E-09	4.54E-09	0.00E+00	7.37E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
529	442181.3	3769068	1.48E-08	1.80E-08	0.00E+00	3.27E-08	1.66E-08	2.61E-08	0.00E+00	4.28E-08	2.79E-09	4.46E-09	0.00E+00	7.25E-09	1.22E-09	1.79E-09	0.00E+00	3.01E-09
530	442178.4	3769077	1.45E-08	1.77E-08	0.00E+00	3.21E-08	1.63E-08	2.57E-08	0.00E+00	4.20E-08	2.74E-09	4.37E-09	0.00E+00	7.11E-09	1.20E-09	1.75E-09	0.00E+00	2.95E-09
531	442175.5	3769086	1.42E-08	1.73E-08	0.00E+00	3.15E-08	1.60E-08	2.52E-08	0.00E+00	4.12E-08	2.68E-09	4.29E-09	0.00E+00	6.97E-09	1.17E-09	1.72E-09	0.00E+00	2.89E-09
532	442172.6	3769095	1.39E-08	1.70E-08	0.00E+00	3.09E-08	1.57E-08	2.46E-08	0.00E+00	4.03E-08	2.63E-09	4.20E-09	0.00E+00	6.83E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
533	442169.7	3769104	1.36E-08	1.66E-08	0.00E+00	3.02E-08	1.53E-08	2.41E-08	0.00E+00	3.94E-08	2.57E-09	4.11E-09	0.00E+00	6.68E-09	1.12E-09	1.65E-09	0.00E+00	2.77E-09
534	442166.8	3769114	1.33E-08	1.62E-08	0.00E+00	2.95E-08	1.50E-08	2.36E-08	0.00E+00	3.86E-08	2.51E-09	4.02E-09	0.00E+00	6.53E-09	1.10E-09	1.61E-09	0.00E+00	2.71E-09
535	442163.9	3769123	1.30E-08	1.58E-08	0.00E+00	2.88E-08	1.46E-08	2.30E-08	0.00E+00	3.77E-08	2.46E-09	3.93E-09	0.00E+00	6.38E-09	1.07E-09	1.57E-09	0.00E+00	2.65E-09
536	442161	3769132	1.27E-08	1.55E-08	0.00E+00	2.81E-08	1.43E-08	2.25E-08	0.00E+00	3.68E-08	2.40E-09	3.83E-09	0.00E+00	6.23E-09	1.05E-09	1.53E-09	0.00E+00	2.58E-09
537	442158.1	3769141	1.24E-08	1.51E-08	0.00E+00	2.74E-08	1.39E-08	2.19E-08	0.00E+00	3.58E-08	2.34E-09	3.73E-09	0.00E+00	6.07E-09	1.02E-09	1.50E-09	0.00E+00	2.52E-09
538	442155.2	3769150	1.20E-08	1.47E-08	0.00E+00	2.67E-08	1.36E-08	2.13E-08	0.00E+00	3.49E-08	2.28E-09	3.64E-09	0.00E+00	5.91E-09	9.96E-10	1.46E-09	0.00E+00	2.45E-09
539	442152.3	3769160	1.17E-08	1.43E-08	0.00E+00	2.60E-08	1.32E-08	2.08E-08	0.00E+00	3.40E-08	2.22E-09	3.54E-09	0.00E+00	5.76E-09	9.69E-10	1.42E-09	0.00E+00	2.39E-09
540	442149.4	3769169	1.14E-08	1.39E-08	0.00E+00	2.53E-08	1.28E-08	2.02E-08	0.00E+00	3.30E-08	2.15E-09	3.44E-09	0.00E+00	5.60E-09	9.42E-10	1.38E-09	0.00E+00	2.32E-09
541	442146.5	3769178	1.11E-08	1.35E-08	0.00E+00	2.46E-08	1.25E-08	1.96E-08	0.00E+00	3.21E-08	2.09E-09	3.35E-09	0.00E+00	5.44E-09	9.16E-10	1.34E-09	0.00E+00	2.26E-09
542	442143.6	3769187	1.08E-08	1.31E-08	0.00E+00	2.39E-08	1.21E-08	1.91E-08	0.00E+00	3.12E-08	2.03E-09	3.25E-09	0.00E+00	5.28E-09	8.89E-10	1.30E-09	0.00E+00	2.19E-09
543	442133.2	3769202	1.02E-08	1.25E-08	0.00E+00	2.27E-08	1.15E-08	1.81E-08	0.00E+00	2.97E-08	1.94E-09	3.09E-09	0.00E+00	5.03E-09	8.46E-10	1.24E-09	0.00E+00	2.09E-09
544	442103.3	3769227	9.40E-09	1.15E-08	0.00E+00	2.09E-08	1.06E-08	1.67E-08	0.00E+00	2.72E-08	1.78E-09	2.84E-09	0.00E+00	4.62E-09	7.77E-10	1.14E-09	0.00E+00	1.91E-09
545	442095.8	3769233	9.19E-09	1.12E-08	0.00E+00	2.04E-08	1.04E-08	1.63E-08	0.00E+00	2.66E-08	1.74E-09	2.78E-09	0.00E+00	4.51E-09	7.60E-10	1.11E-09	0.00E+00	1.87E-09
546	442088.3	3769239	8.98E-09	1.09E-08	0.00E+00	1.99E-08	1.01E-08	1.59E-08	0.00E+00	2.60E-08	1.70E-09	2.71E-09	0.00E+00	4.41E-09	7.42E-10	1.09E-09	0.00E+00	1.83E-09
547	442080.8	3769245	8.76E-09	1.07E-08	0.00E+00	1.94E-08	9.88E-09	1.55E-08	0.00E+00	2.54E-08	1.66E-09	2.65E-09	0.00E+00	4.30E-09	7.25E-10	1.06E-09	0.00E+00	1.79E-09
548	442073.3	3769251	8.55E-09	1.04E-08	0.00E+00	1.90E-08	9.63E-09	1.51E-08	0.00E+00	2.48E-08	1.62E-09	2.58E-09	0.00E+00	4.20E-09	7.07E-10	1.03E-09	0.00E+00	1.74E-09
549	442065.8	3769257	8.33E-09	1.02E-08	0.00E+00	1.85E-08	9.39E-09	1.48E-08	0.00E+00	2.41E-08	1.57E-09	2.52E-09	0.00E+00	4.09E-09	6.89E-10	1.01E-09	0.00E+00	1.70E-09
550	442058.3	3769263	8.12E-09	9.89E-09	0.00E+00	1.80E-08	9.15E-09	1.44E-08	0.00E+00	2.35E-08	1.53E-09	2.45E-09	0.00E+00	3.99E-09	6.71E-10	9.82E-10	0.00E+00	1.65E-09
551	442050.9	3769269	7.91E-09	9.64E-09	0.00E+00	1.75E-08	8.91E-09	1.40E-08	0.00E+00	2.29E-08	1.49E-09	2.39E-09	0.00E+00	3.88E-09	6.54E-10	9.57E-10	0.00E+00	1.61E-09
552	442043.4	3769275	7.70E-09	9.39E-09	0.00E+00	1.71E-08	8.68E-09	1.37E-08	0.00E+00	2.23E-08	1.46E-09	2.33E-09	0.00E+00	3.78E-09	6.37E-10	9.32E-10	0.00E+00	1.57E-09
553	442035.9	3769281	7.50E-09	9.15E-09	0.00E+00	1.67E-08	8.46E-09	1.33E-08	0.00E+00	2.18E-08	1.42E-09	2.27E-09	0.00E+00	3.69E-09	6.20E-10	9.08E-10	0.00E+00	1.53E-09
554	442028.4	3769287	7.31E-09	8.91E-09	0.00E+00	1.62E-08	8.23E-09	1.29E-08	0.00E+00	2.12E-08	1.38E-09	2.21E-09	0.00E+00	3.59E-09	6.04E-10	8.84E-10	0.00E+00	1.49E-09
555	441908.6	3769385	4.66E-09	5.68E-09	0.00E+00	1.03E-08	5.25E-09	8.25E-09	0.00E+00	1.35E-08	8.80E-10	1.41E-09	0.00E+00	2.29E-09	3.85E-10	5.64E-10	0.00E+00	9.49E-10
556	441901.1	3769391	4.56E-09	5.56E-09	0.00E+00	1.01E-08	5.14E-09	8.08E-09	0.00E+00	1.32E-08	8.62E-10	1.38E-09	0.00E+00	2.24E-09	3.77E-10	5.52E-10	0.00E+00	9.29E-10
557	441893.6	3769397	4.47E-09	5.45E-09	0.00E+00	9.93E-09	5.04E-09	7.93E-09	0.00E+00	1.30E-08	8.46E-10	1.35E-09	0.00E+00	2.20E-09	3.70E-10	5.41E-10	0.00E+00	9.11E-10

558	441886.1	3769403	4.39E-09	5.35E-09	0.00E+00	9.74E-09	4.95E-09	7.78E-09	0.00E+00	1.27E-08	8.29E-10	1.33E-09	0.00E+00	2.16E-09	3.63E-10	5.31E-10	0.00E+00	8.94E-10
559	441878.6	3769409	4.30E-09	5.24E-09	0.00E+00	9.55E-09	4.85E-09	7.62E-09	0.00E+00	1.25E-08	8.13E-10	1.30E-09	0.00E+00	2.11E-09	3.56E-10	5.21E-10	0.00E+00	8.76E-10
560	441871.1	3769415	4.22E-09	5.14E-09	0.00E+00	9.36E-09	4.75E-09	7.47E-09	0.00E+00	1.22E-08	7.97E-10	1.27E-09	0.00E+00	2.07E-09	3.49E-10	5.10E-10	0.00E+00	8.59E-10
561	441863.7	3769421	4.13E-09	5.04E-09	0.00E+00	9.17E-09	4.66E-09	7.33E-09	0.00E+00	1.20E-08	7.81E-10	1.25E-09	0.00E+00	2.03E-09	3.42E-10	5.00E-10	0.00E+00	8.42E-10
562	441856.2	3769427	4.05E-09	4.94E-09	0.00E+00	9.00E-09	4.57E-09	7.18E-09	0.00E+00	1.18E-08	7.66E-10	1.22E-09	0.00E+00	1.99E-09	3.35E-10	4.91E-10	0.00E+00	8.26E-10
563	441848.7	3769433	3.98E-09	4.85E-09	0.00E+00	8.83E-09	4.48E-09	7.05E-09	0.00E+00	1.15E-08	7.52E-10	1.20E-09	0.00E+00	1.95E-09	3.29E-10	4.81E-10	0.00E+00	8.10E-10
564	441841.2	3769439	3.90E-09	4.76E-09	0.00E+00	8.66E-09	4.40E-09	6.92E-09	0.00E+00	1.13E-08	7.38E-10	1.18E-09	0.00E+00	1.92E-09	3.23E-10	4.72E-10	0.00E+00	7.95E-10
565	441833.7	3769445	3.85E-09	4.69E-09	0.00E+00	8.55E-09	4.34E-09	6.82E-09	0.00E+00	1.12E-08	7.28E-10	1.16E-09	0.00E+00	1.89E-09	3.18E-10	4.66E-10	0.00E+00	7.84E-10
566	441826.2	3769451	3.80E-09	4.63E-09	0.00E+00	8.42E-09	4.28E-09	6.73E-09	0.00E+00	1.10E-08	7.18E-10	1.15E-09	0.00E+00	1.86E-09	3.14E-10	4.59E-10	0.00E+00	7.73E-10
567	441818.7	3769457	3.73E-09	4.55E-09	0.00E+00	8.29E-09	4.21E-09	6.62E-09	0.00E+00	1.08E-08	7.06E-10	1.13E-09	0.00E+00	1.83E-09	3.09E-10	4.52E-10	0.00E+00	7.61E-10
568	442282.7	3768746	1.26E-08	1.54E-08	0.00E+00	2.80E-08	1.42E-08	2.24E-08	0.00E+00	3.66E-08	2.39E-09	3.81E-09	0.00E+00	6.20E-09	1.04E-09	1.53E-09	0.00E+00	2.57E-09
569	442319.7	3768756	1.20E-08	1.46E-08	0.00E+00	2.65E-08	1.35E-08	2.12E-08	0.00E+00	3.47E-08	2.26E-09	3.61E-09	0.00E+00	5.88E-09	9.89E-10	1.45E-09	0.00E+00	2.44E-09
570	442316.8	3768765	1.23E-08	1.49E-08	0.00E+00	2.72E-08	1.38E-08	2.17E-08	0.00E+00	3.55E-08	2.32E-09	3.70E-09	0.00E+00	6.02E-09	1.01E-09	1.48E-09	0.00E+00	2.50E-09
571	442313.9	3768774	1.26E-08	1.53E-08	0.00E+00	2.79E-08	1.41E-08	2.22E-08	0.00E+00	3.64E-08	2.37E-09	3.79E-09	0.00E+00	6.17E-09	1.04E-09	1.52E-09	0.00E+00	2.56E-09
572	442311	3768783	1.28E-08	1.57E-08	0.00E+00	2.85E-08	1.45E-08	2.28E-08	0.00E+00	3.72E-08	2.43E-09	3.88E-09	0.00E+00	6.31E-09	1.06E-09	1.55E-09	0.00E+00	2.62E-09
573	442308.1	3768793	1.31E-08	1.60E-08	0.00E+00	2.91E-08	1.48E-08	2.32E-08	0.00E+00	3.80E-08	2.48E-09	3.96E-09	0.00E+00	6.44E-09	1.08E-09	1.59E-09	0.00E+00	2.67E-09
574	442305.1	3768802	1.34E-08	1.63E-08	0.00E+00	2.97E-08	1.51E-08	2.37E-08	0.00E+00	3.88E-08	2.53E-09	4.04E-09	0.00E+00	6.57E-09	1.11E-09	1.62E-09	0.00E+00	2.73E-09
575	442302.2	3768811	1.36E-08	1.66E-08	0.00E+00	3.03E-08	1.54E-08	2.42E-08	0.00E+00	3.95E-08	2.58E-09	4.12E-09	0.00E+00	6.70E-09	1.13E-09	1.65E-09	0.00E+00	2.78E-09
576	442299.3	3768820	1.39E-08	1.69E-08	0.00E+00	3.08E-08	1.56E-08	2.46E-08	0.00E+00	4.02E-08	2.62E-09	4.19E-09	0.00E+00	6.81E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
577	442296.4	3768830	1.41E-08	1.72E-08	0.00E+00	3.13E-08	1.59E-08	2.50E-08	0.00E+00	4.09E-08	2.66E-09	4.26E-09	0.00E+00	6.92E-09	1.17E-09	1.71E-09	0.00E+00	2.87E-09
578	442293.5	3768839	1.43E-08	1.74E-08	0.00E+00	3.18E-08	1.61E-08	2.54E-08	0.00E+00	4.15E-08	2.71E-09	4.32E-09	0.00E+00	7.03E-09	1.18E-09	1.73E-09	0.00E+00	2.92E-09
579	442290.5	3768848	1.45E-08	1.77E-08	0.00E+00	3.22E-08	1.64E-08	2.57E-08	0.00E+00	4.21E-08	2.74E-09	4.38E-09	0.00E+00	7.13E-09	1.20E-09	1.76E-09	0.00E+00	2.96E-09
580	442287.6	3768857	1.47E-08	1.79E-08	0.00E+00	3.26E-08	1.66E-08	2.60E-08	0.00E+00	4.26E-08	2.78E-09	4.44E-09	0.00E+00	7.22E-09	1.21E-09	1.78E-09	0.00E+00	2.99E-09
581	442284.7	3768867	1.49E-08	1.81E-08	0.00E+00	3.30E-08	1.67E-08	2.63E-08	0.00E+00	4.31E-08	2.81E-09	4.49E-09	0.00E+00	7.30E-09	1.23E-09	1.80E-09	0.00E+00	3.03E-09
582	442281.8	3768876	1.50E-08	1.83E-08	0.00E+00	3.33E-08	1.69E-08	2.66E-08	0.00E+00	4.35E-08	2.84E-09	4.54E-09	0.00E+00	7.37E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
583	442278.9	3768885	1.51E-08	1.85E-08	0.00E+00	3.36E-08	1.71E-08	2.68E-08	0.00E+00	4.39E-08	2.86E-09	4.58E-09	0.00E+00	7.44E-09	1.25E-09	1.83E-09	0.00E+00	3.09E-09
584	442275.9	3768895	1.53E-08	1.86E-08	0.00E+00	3.39E-08	1.72E-08	2.71E-08	0.00E+00	4.43E-08	2.89E-09	4.61E-09	0.00E+00	7.50E-09	1.26E-09	1.85E-09	0.00E+00	3.11E-09
585	442273	3768904	1.54E-08	1.87E-08	0.00E+00	3.41E-08	1.73E-08	2.72E-08	0.00E+00	4.46E-08	2.91E-09	4.64E-09	0.00E+00	7.55E-09	1.27E-09	1.86E-09	0.00E+00	3.13E-09
586	442270.1	3768913	1.55E-08	1.89E-08	0.00E+00	3.43E-08	1.74E-08	2.74E-08	0.00E+00	4.48E-08	2.92E-09	4.67E-09	0.00E+00	7.60E-09	1.28E-09	1.87E-09	0.00E+00	3.15E-09
587	442267.2	3768922	1.55E-08	1.89E-08	0.00E+00	3.45E-08	1.75E-08	2.75E-08	0.00E+00	4.51E-08	2.94E-09	4.69E-09	0.00E+00	7.63E-09	1.28E-09	1.88E-09	0.00E+00	3.17E-09
588	442264.3	3768932	1.56E-08	1.90E-08	0.00E+00	3.46E-08	1.76E-08	2.76E-08	0.00E+00	4.52E-08	2.95E-09	4.71E-09	0.00E+00	7.66E-09	1.29E-09	1.89E-09	0.00E+00	3.18E-09
589	442261.4	3768941	1.56E-08	1.91E-08	0.00E+00	3.47E-08	1.76E-08	2.77E-08	0.00E+00	4.53E-08	2.95E-09	4.72E-09	0.00E+00	7.68E-09	1.29E-09	1.89E-09	0.00E+00	3.18E-09
590	442258.4	3768950	1.56E-08	1.91E-08	0.00E+00	3.47E-08	1.76E-08	2.77E-08	0.00E+00	4.54E-08	2.96E-09	4.73E-09	0.00E+00	7.69E-09	1.29E-09	1.89E-09	0.00E+00	3.19E-09
591	442255.5	3768959	1.56E-08	1.91E-08	0.00E+00	3.47E-08	1.76E-08	2.77E-08	0.00E+00	4.54E-08	2.96E-09	4.73E-09	0.00E+00	7.69E-09	1.29E-09	1.89E-09	0.00E+00	3.19E-09
592	442252.6	3768969	1.56E-08	1.90E-08	0.00E+00	3.47E-08	1.76E-08	2.77E-08	0.00E+00	4.53E-08	2.95E-09	4.72E-09	0.00E+00	7.67E-09	1.29E-09	1.89E-09	0.00E+00	3.18E-09
593	442249.7	3768978	1.56E-08	1.90E-08	0.00E+00	3.46E-08	1.76E-08	2.76E-08	0.00E+00	4.52E-08	2.94E-09	4.71E-09	0.00E+00	7.65E-09	1.29E-09	1.88E-09	0.00E+00	3.17E-09
594	442246.8	3768987	1.55E-08	1.89E-08	0.00E+00	3.44E-08	1.75E-08	2.75E-08	0.00E+00	4.50E-08	2.93E-09	4.69E-09	0.00E+00	7.62E-09	1.28E-09	1.88E-09	0.00E+00	3.16E-09
595	442232.2	3769034	1.49E-08	1.82E-08	0.00E+00	3.31E-08	1.68E-08	2.64E-08	0.00E+00	4.33E-08	2.82E-09	4.51E-09	0.00E+00	7.33E-09	1.23E-09	1.81E-09	0.00E+00	3.04E-09
596	442229.2	3769043	1.47E-08	1.80E-08	0.00E+00	3.27E-08	1.66E-08	2.61E-08	0.00E+00	4.27E-08	2.79E-09	4.45E-09	0.00E+00	7.24E-09	1.22E-09	1.78E-09	0.00E+00	3.00E-09
597	442226.3	3769052	1.46E-08	1.77E-08	0.00E+00	3.23E-08	1.64E-08	2.58E-08	0.00E+00	4.22E-08	2.75E-09	4.40E-09	0.00E+00	7.15E-09	1.20E-09	1.76E-09	0.00E+00	2.96E-09
598	442223.4	3769061	1.43E-08	1.75E-08	0.00E+00	3.18E-08	1.62E-08	2.54E-08	0.00E+00	4.16E-08	2.71E-09	4.33E-09	0.00E+00	7.05E-09	1.19E-09	1.74E-09	0.00E+00	2.92E-09
599	442220.5	3769071	1.41E-08	1.72E-08	0.00E+00	3.13E-08	1.59E-08	2.50E-08	0.00E+00	4.10E-08	2.67E-09	4.27E-09	0.00E+00	6.94E-09	1.17E-09	1.71E-09	0.00E+00	2.88E-09
600	442217.6	3769080	1.39E-08	1.69E-08	0.00E+00	3.08E-08	1.57E-08	2.46E-08	0.00E+00	4.03E-08	2.63E-09	4.20E-09	0.00E+00	6.82E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
601	442214.7	3769089	1.36E-08	1.66E-08	0.00E+00	3.03E-08	1.54E-08	2.42E-08	0.00E+00	3.96E-08	2.58E-09	4.12E-09	0.00E+00	6.70E-09	1.13E-09	1.65E-09	0.00E+00	2.78E-09
602	442211.7	3769098	1.34E-08	1.63E-08	0.00E+00	2.97E-08	1.51E-08	2.37E-08	0.00E+00	3.88E-08	2.53E-09	4.04E-09	0.00E+00	6.57E-09	1.11E-09	1.62E-09	0.00E+00	2.73E-09
603	442208.8	3769108	1.31E-08	1.60E-08	0.00E+00	2.91E-08	1.48E-08	2.33E-08	0.00E+00	3.80E-08	2.48E-09	3.96E-09	0.00E+00	6.44E-09	1.08E-09	1.59E-09	0.00E+00	2.67E-09
604	442205.9	3769117	1.29E-08	1.57E-08	0.00E+00	2.85E-08	1.45E-08	2.28E-08	0.00E+00	3.73E-08	2.43E-09	3.88E-09	0.00E+00	6.31E-09	1.06E-09	1.56E-09	0.00E+00	2.62E-09
605	442203	3769126	1.26E-08	1.53E-08	0.00E+00	2.79E-08	1.42E-08	2.23E-08	0.00E+00	3.65E-08	2.38E-09	3.80E-09	0.00E+00	6.18E-09	1.04E-09	1.52E-09	0.00E+00	2.56E-09
606	442200.1	3769135	1.23E-08	1.50E-08	0.00E+00	2.73E-08	1.39E-08	2.18E-08	0.00E+00	3.56E-08	2.32E-09	3.71E-09	0.00E+00	6.04E-09	1.02E-09	1.49E-09	0.00E+00	2.50E-09
607	442197.1	3769145	1.20E-08	1.46E-08	0.00E+00	2.66E-08	1.35E-08	2.13E-08	0.00E+00	3.48E-08	2.27E-09	3.63E-09	0.00E+00	5.90E-09	9.93E-10	1.45E-09	0.00E+00	2.45E-09
608	442194.2	3769154	1.17E-08	1.43E-08	0.00E+00	2.60E-08	1.32E-08	2.08E-08	0.00E+00	3.40E-08	2.22E-09	3.54E-09	0.00E+00	5.76E-09	9.69E-10	1.42E-09	0.00E+00	2.39E-09
609	442191.3	3769163	1.14E-08	1.39E-08	0.00E+00	2.54E-08	1.29E-08	2.03E-08	0.00E+00	3.31E-08	2.16E-09	3.45E-09	0.00E+00	5.61E-09	9.45E-10	1.38E-09	0.00E+00	2.33E-09
610	442188.4	3769172	1.11E-08	1.36E-08	0.00E+00	2.47E-08	1.26E-08	1.97E-08	0.00E+00	3.23E-08	2.11E-09	3.37E-09	0.00E+00	5.47E-09	9.21E-10	1.35E-09	0.00E+00	2.27E-09
611	442185.5	3769182	1.08E-08	1.32E-08	0.00E+00	2.41E-08	1.22E-08	1.92E-08	0.00E+00	3.14E-08	2.05E-09	3.28E-09	0.00E+00	5.33E-09	8.96E-10	1.31E-09	0.00E+00	2.21E-09
612	442182.5	3769191	1.05E-08	1.29E-08	0.00E+00	2.34E-08	1.19E-08	1.87E-08	0.00E+00	3.06E-08	1.99E-09	3.19E-09	0.00E+00	5.18E-09	8.72E-10	1.28E-09	0.00E+00	2.15E-09
613	442179.6	3769200	1.03E-08	1.25E-08	0.00E+00	2.28E-08	1.16E-08	1.82E-08	0.00E+00	2.97E-08	1.94E-09	3.10E-09	0.00E+00	5.04E-09	8.48E-10	1.24E-09	0.00E+00	2.09E-09
614	442158.7	3769231	9.29E-09	1.13E-08	0.00E+00	2.06E-08	1.05E-08	1.65E-08	0.00E+00	2.69E-08	1.76E-09	2.81E-09	0.00E+00	4.56E-09	7.68E-10	1.12E-09	0.00E+00	1.89E-09
615	442151.2	3769237	9.11E-09	1.11E-08	0.00E+00	2.02E-08	1.03E-08	1.61E-08	0.00E+00	2.64E-08	1.72E-09	2.75E-09	0.00E+00	4.47E-09	7.53E-10	1.10E-09	0.00E+00	1.86E-09
616	442143.6	3769243	8.92E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.69E-09	0.00E+00	4.38E-09	7.38E-10	1.08E-09	0.00E+00	1.82E-09
617	442136.1	3769249	8.73E-09	1.06E-08	0.00E+00	1.94E-08	9.84E-09	1.55E-08	0.00E+00	2.53E-08	1.65E-09	2.64E-09	0.00E+00	4.29E-09	7.22E-10	1.06E-09	0.00E+00	1.78E-09
618	442128.5	3769256	8.54E-09	1.04E-08	0.00E+00	1.90E-08	9.63E-09	1.51E-08	0.00E+00	2.48E-08	1.61E-09	2.58E-09	0.00E+00	4.19E-09	7.06E-10	1.03E-09	0.00E+00	1.74E-09
619	442121	3769262	8.35E-09	1.02E-08	0.00E+00	1.85E-08	9.41E-09	1.48E-08	0.00E+00	2.42E-08	1.58E-09	2.52E-09	0.00E+00	4.10E-09	6.90E-10	1.01E-09	0.00E+00	1.70E-09
620	442113.4	3769268	8.16E-09	9.94E-09	0.00E+00	1.81E-08	9.19E-09	1.45E-08	0.00E+00	2.36E-08	1.54E-09	2.46E-09	0.00E+00	4.01E-09	6.74E-10	9.87E-10	0.00E+00	1.66E-09
621	442105.9	3769274	7.96E-09	9.70E-09	0.00E+00	1.77E-08	8.97E-09	1.41E-08	0.00E+00	2.31E-08	1.50E-09	2.41E-09	0.00E+00	3.91E-09	6.58E-10	9.63E-10	0.00E+00	1.62E-09
622	442098.3	3769280	7.77E-09	9.47E-09	0.00E+00	1.72E-08	8.75E-09	1.38E-08	0.00E+00	2.25E-08	1.47E-09	2.35E-09	0.00E+00	3.81E-09	6.42E-10	9.40E-10	0.00E+00	1.58E-09
623	442090.8	3769286	7.57E-09	9.23E-09	0.00E+00	1.68E-08	8.54E-09	1.34E-08	0.00E+00	2.20E-08	1.43E-09	2.29E-09	0.00E+00	3.72E-09	6.26E-10	9.17E-10	0.00E+00	1.54E-09
624	442083.2	3769292	7.39E-09	9.01E-09	0.00E+00	1.64E-08	8.33E-09	1.31E-08	0.00E+00	2.14E-08	1.40E-09	2.23E-09	0.00E+00	3.63E-09	6.11E-10	8.94E-10	0.00E+00	1.50E-09
625	442075.7	3769298	7.20E-09	8.78E-09	0.00E+00	1.60E-08	8.12E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.54E-09	5.96E-10	8.72E-10	0.00E+00	1.47E-09
626	442068.2	3769304	7.02E-09	8.56E-09	0.00E+00	1.56E-08	7.92E-09	1.24E-08	0.00E+00	2.04E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.81E-10	8.50E-10	0.00E+00	1.43E-09
627	442060.6	3769311	6.85E-09	8.35E-09	0.00E+00	1.52E-08	7.72E-09	1.21E-08	0.00E+00	1.99E-08	1.29E-09	2.07E-09	0.00E+00	3.36E-09	5.66E-10	8.29E-10	0.00E+00	1.39E-09
628	442053.1	3769317	6.68E-09	8.14E-09	0.00E+00	1.48E-08	7.53E-09	1.18E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.52E-10	8.08E-10	0.00E+00	1.36E-09
629	442045.5	3769323	6.51E-09	7.93E-09	0.00E+00	1.44E-08	7.33E-09	1.15E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.38E-10	7.87E-10	0.00E+00	1.33E-09
630	442038	3769329	6.34E-09	7.73E-09	0.00E+00	1.41E-08	7.15E-09	1.12E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.11E-09	5.24E-10	7.67E-10	0.00E+00	1.29E-09
631	442030.4	3769335	6.18E-09	7.53E-09	0.00E+00	1.37E-08	6.96E-09	1.09E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.03E-09	5.11E-10	7.48E-10	0.00E+00	1.26E-09
632	442022.9	3769341	5.77E-09	7.03E-09	0.00E+00	1.28E-08	6.50E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.77E-10	6.98E-10	0.00E+00	1.18E-09
633	441970.1	3769384	4.84E-09	5.89E-09	0.00E+00	1.07E-08	5.45E-09	8.57E-09	0.00E+00	1.40E-08	9.14E-10	1.46E-09	0.00E+00	2.38E-09	4.00E-10	5.85E-10	0.00E+00	9.85E-10
634	441962.5	3769390	4.74E-09	5.78E-09	0.00E+00	1.05E-08	5.34E-09	8.40E-09	0.00E+00	1.37E-08	8.96E-10	1.43E-09	0.00E+00	2.33E-09	3.92E-10	5.73E-10	0.00E+00	9.65E-10
635	441955	3769396	4.64E-09	5.65E-09	0.00E+00	1.03E-08	5.23E-09	8.22E-09	0.00E+00	1.34E-08	8.77E-10	1.40E-09	0.00E+00	2.28E-09	3.84E-10	5.61E-10	0.00E+00	9.45E-10
636	441947.4	3769402	4.54E-09	5.53E-09	0.00E+00	1.01E-08	5.12E-09	8.04E-09	0.00E+00	1.32E-08	8.58E-10	1.37E-09	0.00E+00	2.23E-09	3.75E-10	5.49E-10	0.00E+00	9.25E-10
637	441939.9	3769408	4.45E-09	5.42E-09	0.00E+00	9.86E-09	5.01E-09	7.88E-09	0.00E+00	1.29E-08	8.40E-10	1.34E-09	0.00E+00	2.18E-09	3.68E-10	5.38E-10	0.00E+00	9.06E-10
638	441932.3	3769415	4.36E-09	5.31E-09	0.00E+00	9.67E-09	4.91E-09	7.73E-09	0.00E+00	1.26E-08	8.24E-10	1.32E-09	0.00E+00	2.14E-09	3.60E-10	5.28E-10	0.00E+00	8.88E-10
639	441924.8	3769421	4.28E-09	5.21E-09	0.00E+00	9.49E-09	4.82E-09	7.58E-09	0.00E+00	1.24E-08	8.09E-10	1.29E-09	0.00E+00	2.10E-09	3.54E-10	5.18E-10	0.00E+00	8.71E-10
640	441917.2	3769427	4.19E-09	5.11E-09	0.00E+00	9.31E-09	4.73E-09	7.43E-09	0.00E+00	1.22E-08	7.93E-10	1.27E-09	0.00E+00	2.06E-09	3.47E-10	5.08E-10	0.00E+00	8.54E-10
641	441909.7	3769433	4.11E-09	5.01E-09	0.00E+00	9.12E-09	4.64E-09	7.29E-09	0.00E+00	1.19E-08	7.77E-10	1.24E-09	0.00E+00	2.02E-09	3.40E-10	4.98E-10	0.00E+00	8.38E-10
642	441902.2	3769439	4.03E-09	4.91E-09	0.00E+00	8.94E-09	4.54E-09	7.14E-09	0.00E+00	1.17E-08	7.62E-10	1.22E-09	0.00E+00	1.98E-09	3.33E-10	4.88E-10	0.00E+00	8.21E-10
643	441894.6	3769445	3.95E-09	4.82E-09	0.00E+00	8.78E-09	4.46E-09	7.01E-09	0.00E+00	1.15E-08	7.48E-10	1.19E-09	0.00E+00	1.94E-09	3.27E-10	4.79E-10	0.00E+00	8.06E-10
644	441887.1	3769451	3.88E-09	4.73E-09	0.00E+00	8.61E-09	4.38E-09	6.88E-09	0.00E+00	1.13E-08	7.34E-10	1.17E-09	0.00E+00	1.91E-09	3.21E-10	4.70E-10	0.00E+00	7.91E-10
645	441879.5	3769457	3.81E-09	4.65E-09	0.00E+00	8.46E-09	4.30E-09	6.76E-09	0.00E+00	1.11E-08	7.21E-10	1.15E-09	0.00E+00	1.87E-09	3.15E-10	4.61E-10	0.00E+00	7.77E-10
646	441872	3769464	3.75E-09	4.57E-09	0.00E+00	8.31E-09	4.22E-09	6.64E-09	0.00E+00	1.09E-08	7.08E-10	1.13E-09	0.00E+00	1.84E-09	3.10E-10	4.53E-10	0.00E+00	7.63E-10
647	441864.4	3769470	3.69E-09	4.50E-09	0.00E+00	8.18E-09	4.16E-09	6.53E-09	0.00E+00	1.07E-08	6.97E-10	1.11E-09	0.00E+00	1.81E-09	3.05E-10	4.46E-10	0.00E+00	7.51E-10
648	441856.9	3769476	3.63E-09	4.42E-09	0.00E+00	8.05E-09	4.09E-09	6.43E-09	0.00E+00	1.05E-08	6.86E-10	1.10E-09	0.00E+00	1.78E-09	3.00E-10	4.39E-10	0.00E+00	7.39E-10
649	441849.3	3769482	3.57E-09	4.35E-09	0.00E+00	7.92E-09	4.02E-09	6.32E-09	0.00E+00	1.03E-08	6.75E-10	1.08E-09	0.00E+00	1.75E-09	2.95E-10	4.32E-10	0.00E+00	7.27E-10
650	441841.8	3769488	3.51E-09	4.28E-09	0.00E+00	7.79E-09	3.95E-09	6.22E-09	0.00E+00	1.02E-08	6.63E-10	1.06E-09	0.00E+00	1.72E-09	2.90E-10	4.25E-10	0.00E+00	7.15E-10
651	442322.7	3768746	1.16E-08	1.42E-08	0.00E+00	2.58E-08	1.31E-08	2.06E-08	0.00E+00	3.37E-08	2.20E-09	3.52E-09	0.00E+00	5.72E-09	9.62E-10	1.41E-09	0.00E+00	2.37E-09
652	442359.8	3768756	1.10E-08	1.35E-08	0.00E+00	2.45E-08	1.25E-08	1.96E-08	0.00E+00	3.20E-08	2.09E-09	3.34E-09	0.00E+00	5.42E-09	9.13E-10	1.34E-09	0.00E+00	2.25E-09
653	442356.9	3768765	1.13E-08	1.38E-08	0.00E+00	2.51E-08	1.27E-08	2.00E-08	0.00E+00	3.28E-08	2.14E-09	3.41E-09	0.00E+00	5.55E-09	9.35E-10	1.37E-09	0.00E+00	2.30E-09
654	442354	3768774	1.16E-08	1.41E-08	0.00E+00	2.57E-08	1.30E-08	2.05E-08	0.00E+00	3.35E-08	2.19E-09	3.49E-09	0.00E+00	5.68E-09	9.56E-10	1.40E-09	0.00E+00	2.35E-09
655	442351.1	3768783	1.18E-08	1.44E-08	0.00E+00	2.62E-08	1.33E-08	2.09E-08	0.00E+00	3.43E-08	2.23E-09	3.57E-09	0.00E+00	5.80E-09	9.77E-10	1.43E-09	0.00E+00	2.41E-09
656	442348.2	3768793	1.21E-08	1.47E-08	0.00E+00	2.68E-08	1.36E-08	2.14E-08	0.00E+00	3.50E-08	2.28E-09	3.65E-09	0.00E+00	5.93E-09	9.98E-10	1.46E-09	0.00E+00	2.46E-09
657	442345.3	3768802	1.23E-08	1.50E-08	0.00E+00	2.73E-08	1.39E-08	2.18E-08	0.00E+00	3.57E-08	2.33E-09	3.72E-09	0.00E+00	6.05E-09	1.02E-09	1.49E-09	0.00E+00	2.51E-09
658	442342.5	3768811	1.26E-08	1.53E-08	0.00E+00	2.79E-08	1.42E-08	2.23E-08	0.00E+00	3.64E-08	2.37E-09	3.79E-09	0.00E+00	6.17E-09	1.04E-09	1.52E-09	0.00E+00	2.56E-09
659	442339.6	3768820	1.28E-08	1.56E-08	0.00E+00	2.84E-08	1.44E-08	2.26E-08	0.00E+00	3.70E-08	2.42E-09	3.86E-09	0.00E+00	6.28E-09	1.06E-09	1.55E-09	0.00E+00	2.60E-09
660	442336.7	3768829	1.30E-08	1.58E-08	0.00E+00	2.88E-08	1.46E-08	2.30E-08	0.00E+00	3.76E-08	2.45E-09	3.92E-09	0.00E+00	6.38E-09	1.07E-09	1.57E-09	0.00E+00	2.65E-09
661	442333.8	3768838	1.32E-08	1.61E-08	0.00E+00	2.92E-08	1.49E-08	2.34E-08	0.00E+00	3.82E-08	2.49E-09	3.98E-09	0.00E+00	6.47E-09	1.09E-09	1.60E-09	0.00E+00	2.69E-09
662	442330.9	3768848	1.34E-08	1.63E-08	0.00E+00	2.97E-08	1.51E-08	2.37E-08	0.00E+00	3.88E-08	2.53E-09	4.04E-09	0.00E+00	6.57E-09	1.11E-09	1.62E-09	0.00E+00	2.72E-09
663	442328	3768857	1.36E-08	1.65E-08	0.00E+00	3.01E-08	1.53E-08	2.40E-08	0.00E+00	3.93E-08	2.56E-09	4.10E-09	0.00E+00	6.66E-09	1.12E-09	1.64E-09	0.00E+00	2.76E-09
664	442325.1	3768866	1.37E-08	1.67E-08	0.00E+00	3.05E-08	1.55E-08	2.43E-08	0.00E+00	3.98E-08	2.60E-09	4.15E-09	0.00E+00	6.74E-09	1.14E-09	1.66E-09	0.00E+00	2.80E-09
665	442322.3	3768875	1.39E-08	1.69E-08	0.00E+00	3.08E-08	1.57E-08	2.46E-08	0.00E+00	4.03E-08	2.63E-09	4.20E-09	0.00E+00	6.83E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
666	442319.4	3768884	1.41E-08	1.71E-08	0.00E+00	3.12E-08	1.59E-08	2.49E-08	0.00E+00	4.08E-08	2.66E-09	4.25E-09	0.00E+00	6.91E-09	1.16E-09	1.70E-09	0.00E+00	2.86E-09
667	442316.5	3768893	1.42E-08	1.73E-08	0.00E+00	3.15E-08	1.60E-08	2.52E-08	0.00E+00	4.11E-08	2.68E-09	4.29E-09	0.00E+00	6.97E-09	1.17E-09	1.72E-09	0.00E+00	2.89E-09
668	442313.6	3768902	1.43E-08	1.74E-08	0.00E+00	3.18E-08	1.61E-08	2.54E-08	0.00E+00	4.15E-08	2.71E-09	4.32E-09	0.00E+00	7.03E-09	1.18E-09	1.73E-09	0.00E+00	2.91E-09
669	442310.7	3768912	1.44E-08	1.76E-08	0.00E+00	3.20E-08	1.63E-08	2.55E-08	0.00E+00	4.18E-08	2.73E-09	4.36E-09	0.00E+00	7.08E-09	1.19E-09	1.74E-09	0.00E+00	2.94E-09

670	442307.8	3768921	1.45E-08	1.77E-08	0.00E+00	3.22E-08	1.64E-08	2.57E-08	0.00E+00	4.21E-08	2.74E-09	4.38E-09	0.00E+00	7.13E-09	1.20E-09	1.76E-09	0.00E+00	2.96E-09
671	442304.9	3768930	1.46E-08	1.78E-08	0.00E+00	3.24E-08	1.64E-08	2.58E-08	0.00E+00	4.23E-08	2.76E-09	4.41E-09	0.00E+00	7.16E-09	1.21E-09	1.76E-09	0.00E+00	2.97E-09
672	442302.1	3768939	1.46E-08	1.78E-08	0.00E+00	3.25E-08	1.65E-08	2.59E-08	0.00E+00	4.24E-08	2.77E-09	4.42E-09	0.00E+00	7.19E-09	1.21E-09	1.77E-09	0.00E+00	2.98E-09
673	442299.2	3768948	1.47E-08	1.79E-08	0.00E+00	3.26E-08	1.65E-08	2.60E-08	0.00E+00	4.25E-08	2.77E-09	4.43E-09	0.00E+00	7.20E-09	1.21E-09	1.78E-09	0.00E+00	2.99E-09
674	442296.3	3768957	1.47E-08	1.79E-08	0.00E+00	3.26E-08	1.66E-08	2.60E-08	0.00E+00	4.26E-08	2.78E-09	4.44E-09	0.00E+00	7.21E-09	1.21E-09	1.78E-09	0.00E+00	2.99E-09
675	442293.4	3768967	1.47E-08	1.79E-08	0.00E+00	3.26E-08	1.65E-08	2.60E-08	0.00E+00	4.26E-08	2.78E-09	4.43E-09	0.00E+00	7.21E-09	1.21E-09	1.78E-09	0.00E+00	2.99E-09
676	442290.5	3768976	1.47E-08	1.79E-08	0.00E+00	3.25E-08	1.65E-08	2.60E-08	0.00E+00	4.25E-08	2.77E-09	4.43E-09	0.00E+00	7.20E-09	1.21E-09	1.77E-09	0.00E+00	2.99E-09
677	442287.6	3768985	1.46E-08	1.78E-08	0.00E+00	3.24E-08	1.65E-08	2.59E-08	0.00E+00	4.24E-08	2.76E-09	4.42E-09	0.00E+00	7.18E-09	1.21E-09	1.77E-09	0.00E+00	2.98E-09
678	442284.8	3768994	1.46E-08	1.78E-08	0.00E+00	3.23E-08	1.64E-08	2.58E-08	0.00E+00	4.22E-08	2.75E-09	4.40E-09	0.00E+00	7.15E-09	1.20E-09	1.76E-09	0.00E+00	2.97E-09
679	442281.9	3769003	1.45E-08	1.77E-08	0.00E+00	3.22E-08	1.63E-08	2.57E-08	0.00E+00	4.20E-08	2.74E-09	4.38E-09	0.00E+00	7.12E-09	1.20E-09	1.75E-09	0.00E+00	2.95E-09
680	442267.4	3769049	1.39E-08	1.70E-08	0.00E+00	3.09E-08	1.57E-08	2.47E-08	0.00E+00	4.04E-08	2.63E-09	4.21E-09	0.00E+00	6.84E-09	1.15E-09	1.69E-09	0.00E+00	2.84E-09
681	442264.6	3769058	1.38E-08	1.68E-08	0.00E+00	3.06E-08	1.55E-08	2.44E-08	0.00E+00	3.99E-08	2.60E-09	4.16E-09	0.00E+00	6.76E-09	1.14E-09	1.67E-09	0.00E+00	2.81E-09
682	442261.7	3769067	1.36E-08	1.66E-08	0.00E+00	3.02E-08	1.53E-08	2.41E-08	0.00E+00	3.95E-08	2.57E-09	4.11E-09	0.00E+00	6.68E-09	1.13E-09	1.65E-09	0.00E+00	2.77E-09
683	442258.8	3769076	1.34E-08	1.64E-08	0.00E+00	2.98E-08	1.51E-08	2.38E-08	0.00E+00	3.89E-08	2.54E-09	4.06E-09	0.00E+00	6.60E-09	1.11E-09	1.63E-09	0.00E+00	2.74E-09
684	442255.9	3769086	1.32E-08	1.61E-08	0.00E+00	2.94E-08	1.49E-08	2.35E-08	0.00E+00	3.84E-08	2.50E-09	4.00E-09	0.00E+00	6.50E-09	1.09E-09	1.60E-09	0.00E+00	2.70E-09
685	442253	3769095	1.30E-08	1.59E-08	0.00E+00	2.89E-08	1.47E-08	2.31E-08	0.00E+00	3.78E-08	2.46E-09	3.94E-09	0.00E+00	6.40E-09	1.08E-09	1.58E-09	0.00E+00	2.66E-09
686	442250.1	3769104	1.28E-08	1.56E-08	0.00E+00	2.84E-08	1.45E-08	2.27E-08	0.00E+00	3.72E-08	2.42E-09	3.87E-09	0.00E+00	6.30E-09	1.06E-09	1.55E-09	0.00E+00	2.61E-09
687	442247.3	3769113	1.26E-08	1.53E-08	0.00E+00	2.79E-08	1.42E-08	2.23E-08	0.00E+00	3.65E-08	2.38E-09	3.80E-09	0.00E+00	6.18E-09	1.04E-09	1.52E-09	0.00E+00	2.56E-09
688	442244.4	3769122	1.24E-08	1.51E-08	0.00E+00	2.74E-08	1.39E-08	2.19E-08	0.00E+00	3.58E-08	2.34E-09	3.73E-09	0.00E+00	6.07E-09	1.02E-09	1.49E-09	0.00E+00	2.52E-09
689	442241.5	3769131	1.21E-08	1.48E-08	0.00E+00	2.69E-08	1.36E-08	2.15E-08	0.00E+00	3.51E-08	2.29E-09	3.66E-09	0.00E+00	5.95E-09	1.00E-09	1.47E-09	0.00E+00	2.47E-09
690	442238.6	3769141	1.19E-08	1.45E-08	0.00E+00	2.63E-08	1.34E-08	2.10E-08	0.00E+00	3.44E-08	2.24E-09	3.58E-09	0.00E+00	5.83E-09	9.81E-10	1.44E-09	0.00E+00	2.42E-09
691	442235.7	3769150	1.16E-08	1.42E-08	0.00E+00	2.58E-08	1.31E-08	2.06E-08	0.00E+00	3.37E-08	2.19E-09	3.51E-09	0.00E+00	5.70E-09	9.60E-10	1.41E-09	0.00E+00	2.36E-09
692	442232.8	3769159	1.14E-08	1.38E-08	0.00E+00	2.52E-08	1.28E-08	2.01E-08	0.00E+00	3.29E-08	2.15E-09	3.43E-09	0.00E+00	5.58E-09	9.39E-10	1.37E-09	0.00E+00	2.31E-09
693	442229.9	3769168	1.11E-08	1.35E-08	0.00E+00	2.46E-08	1.25E-08	1.97E-08	0.00E+00	3.22E-08	2.10E-09	3.35E-09	0.00E+00	5.45E-09	9.17E-10	1.34E-09	0.00E+00	2.26E-09
694	442227.1	3769177	1.08E-08	1.32E-08	0.00E+00	2.40E-08	1.22E-08	1.92E-08	0.00E+00	3.14E-08	2.05E-09	3.27E-09	0.00E+00	5.32E-09	8.96E-10	1.31E-09	0.00E+00	2.21E-09
695	442224.2	3769186	1.06E-08	1.29E-08	0.00E+00	2.35E-08	1.19E-08	1.87E-08	0.00E+00	3.07E-08	2.00E-09	3.19E-09	0.00E+00	5.19E-09	8.74E-10	1.28E-09	0.00E+00	2.15E-09
696	442221.3	3769196	1.03E-08	1.26E-08	0.00E+00	2.29E-08	1.16E-08	1.83E-08	0.00E+00	2.99E-08	1.95E-09	3.12E-09	0.00E+00	5.06E-09	8.53E-10	1.25E-09	0.00E+00	2.10E-09
697	442218.4	3769205	1.00E-08	1.22E-08	0.00E+00	2.23E-08	1.13E-08	1.78E-08	0.00E+00	2.91E-08	1.90E-09	3.04E-09	0.00E+00	4.93E-09	8.31E-10	1.22E-09	0.00E+00	2.05E-09
698	442209.7	3769232	9.25E-09	1.13E-08	0.00E+00	2.05E-08	1.04E-08	1.64E-08	0.00E+00	2.68E-08	1.75E-09	2.80E-09	0.00E+00	4.55E-09	7.65E-10	1.12E-09	0.00E+00	1.89E-09
699	442199.4	3769247	8.83E-09	1.08E-08	0.00E+00	1.96E-08	9.95E-09	1.56E-08	0.00E+00	2.56E-08	1.67E-09	2.67E-09	0.00E+00	4.34E-09	7.30E-10	1.07E-09	0.00E+00	1.80E-09
700	442191.9	3769253	8.66E-09	1.06E-08	0.00E+00	1.92E-08	9.76E-09	1.53E-08	0.00E+00	2.51E-08	1.64E-09	2.62E-09	0.00E+00	4.25E-09	7.16E-10	1.05E-09	0.00E+00	1.76E-09
701	442184.5	3769259	8.49E-09	1.03E-08	0.00E+00	1.88E-08	9.56E-09	1.50E-08	0.00E+00	2.46E-08	1.60E-09	2.56E-09	0.00E+00	4.17E-09	7.02E-10	1.03E-09	0.00E+00	1.73E-09
702	442177	3769265	8.31E-09	1.01E-08	0.00E+00	1.84E-08	9.37E-09	1.47E-08	0.00E+00	2.41E-08	1.57E-09	2.51E-09	0.00E+00	4.08E-09	6.87E-10	1.01E-09	0.00E+00	1.69E-09
703	442169.6	3769272	8.14E-09	9.92E-09	0.00E+00	1.81E-08	9.18E-09	1.44E-08	0.00E+00	2.36E-08	1.54E-09	2.46E-09	0.00E+00	4.00E-09	6.73E-10	9.85E-10	0.00E+00	1.66E-09
704	442162.1	3769278	7.97E-09	9.72E-09	0.00E+00	1.77E-08	8.98E-09	1.41E-08	0.00E+00	2.31E-08	1.51E-09	2.41E-09	0.00E+00	3.91E-09	6.59E-10	9.64E-10	0.00E+00	1.62E-09
705	442154.7	3769284	7.80E-09	9.51E-09	0.00E+00	1.73E-08	8.79E-09	1.38E-08	0.00E+00	2.26E-08	1.47E-09	2.36E-09	0.00E+00	3.83E-09	6.45E-10	9.44E-10	0.00E+00	1.59E-09
706	442147.2	3769290	7.62E-09	9.29E-09	0.00E+00	1.69E-08	8.59E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.30E-09	0.00E+00	3.74E-09	6.30E-10	9.23E-10	0.00E+00	1.55E-09
707	442139.7	3769296	7.45E-09	9.09E-09	0.00E+00	1.65E-08	8.40E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.25E-09	0.00E+00	3.66E-09	6.16E-10	9.02E-10	0.00E+00	1.52E-09
708	442132.3	3769302	7.28E-09	8.88E-09	0.00E+00	1.62E-08	8.21E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.58E-09	6.02E-10	8.81E-10	0.00E+00	1.48E-09
709	442124.8	3769308	7.11E-09	8.67E-09	0.00E+00	1.58E-08	8.02E-09	1.26E-08	0.00E+00	2.06E-08	1.34E-09	2.15E-09	0.00E+00	3.49E-09	5.88E-10	8.61E-10	0.00E+00	1.45E-09
710	442117.4	3769314	6.95E-09	8.47E-09	0.00E+00	1.54E-08	7.83E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.10E-09	0.00E+00	3.41E-09	5.74E-10	8.41E-10	0.00E+00	1.42E-09
711	442109.9	3769320	6.78E-09	8.27E-09	0.00E+00	1.50E-08	7.64E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.33E-09	5.61E-10	8.21E-10	0.00E+00	1.38E-09
712	442102.5	3769326	6.62E-09	8.07E-09	0.00E+00	1.47E-08	7.47E-09	1.17E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.25E-09	5.48E-10	8.01E-10	0.00E+00	1.35E-09
713	442095	3769332	6.47E-09	7.88E-09	0.00E+00	1.44E-08	7.29E-09	1.15E-08	0.00E+00	1.88E-08	1.22E-09	1.95E-09	0.00E+00	3.18E-09	5.35E-10	7.83E-10	0.00E+00	1.32E-09
714	442087.5	3769338	6.32E-09	7.70E-09	0.00E+00	1.40E-08	7.12E-09	1.12E-08	0.00E+00	1.83E-08	1.19E-09	1.91E-09	0.00E+00	3.10E-09	5.22E-10	7.64E-10	0.00E+00	1.29E-09
715	442080.1	3769344	6.17E-09	7.52E-09	0.00E+00	1.37E-08	6.95E-09	1.09E-08	0.00E+00	1.79E-08	1.17E-09	1.86E-09	0.00E+00	3.03E-09	5.10E-10	7.46E-10	0.00E+00	1.26E-09
716	442072.6	3769350	6.02E-09	7.34E-09	0.00E+00	1.34E-08	6.79E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.82E-09	0.00E+00	2.96E-09	4.98E-10	7.29E-10	0.00E+00	1.23E-09
717	442065.2	3769356	5.88E-09	7.16E-09	0.00E+00	1.30E-08	6.62E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.86E-10	7.11E-10	0.00E+00	1.20E-09
718	442027.9	3769386	5.00E-09	6.10E-09	0.00E+00	1.11E-08	5.64E-09	8.86E-09	0.00E+00	1.45E-08	9.45E-10	1.51E-09	0.00E+00	2.46E-09	4.14E-10	6.05E-10	0.00E+00	1.02E-09
719	442020.4	3769392	4.87E-09	5.94E-09	0.00E+00	1.08E-08	5.49E-09	8.63E-09	0.00E+00	1.41E-08	9.20E-10	1.47E-09	0.00E+00	2.39E-09	4.03E-10	5.89E-10	0.00E+00	9.92E-10
720	442013	3769399	4.76E-09	5.80E-09	0.00E+00	1.06E-08	5.36E-09	8.43E-09	0.00E+00	1.38E-08	8.99E-10	1.44E-09	0.00E+00	2.34E-09	3.93E-10	5.76E-10	0.00E+00	9.69E-10
721	441983.1	3769423	4.55E-09	5.55E-09	0.00E+00	1.01E-08	5.13E-09	8.07E-09	0.00E+00	1.32E-08	8.61E-10	1.38E-09	0.00E+00	2.24E-09	3.76E-10	5.51E-10	0.00E+00	9.27E-10
722	441975.7	3769429	4.46E-09	5.44E-09	0.00E+00	9.90E-09	5.03E-09	7.90E-09	0.00E+00	1.29E-08	8.43E-10	1.35E-09	0.00E+00	2.19E-09	3.69E-10	5.40E-10	0.00E+00	9.08E-10
723	441968.2	3769435	4.37E-09	5.33E-09	0.00E+00	9.70E-09	4.93E-09	7.74E-09	0.00E+00	1.27E-08	8.26E-10	1.32E-09	0.00E+00	2.15E-09	3.61E-10	5.29E-10	0.00E+00	8.90E-10
724	441960.8	3769441	4.28E-09	5.22E-09	0.00E+00	9.50E-09	4.83E-09	7.59E-09	0.00E+00	1.24E-08	8.10E-10	1.29E-09	0.00E+00	2.10E-09	3.54E-10	5.18E-10	0.00E+00	8.72E-10
725	441953.3	3769447	4.20E-09	5.12E-09	0.00E+00	9.31E-09	4.73E-09	7.44E-09	0.00E+00	1.22E-08	7.93E-10	1.27E-09	0.00E+00	2.06E-09	3.47E-10	5.08E-10	0.00E+00	8.55E-10
726	441945.8	3769453	4.11E-09	5.02E-09	0.00E+00	9.13E-09	4.64E-09	7.29E-09	0.00E+00	1.19E-08	7.78E-10	1.24E-09	0.00E+00	2.02E-09	3.40E-10	4.98E-10	0.00E+00	8.38E-10
727	441938.4	3769459	4.03E-09	4.92E-09	0.00E+00	8.95E-09	4.55E-09	7.15E-09	0.00E+00	1.17E-08	7.63E-10	1.22E-09	0.00E+00	1.98E-09	3.34E-10	4.88E-10	0.00E+00	8.22E-10
728	441930.9	3769465	3.96E-09	4.82E-09	0.00E+00	8.78E-09	4.46E-09	7.01E-09	0.00E+00	1.15E-08	7.48E-10	1.20E-09	0.00E+00	1.94E-09	3.27E-10	4.79E-10	0.00E+00	8.06E-10
729	441923.5	3769471	3.88E-09	4.73E-09	0.00E+00	8.62E-09	4.38E-09	6.88E-09	0.00E+00	1.13E-08	7.34E-10	1.17E-09	0.00E+00	1.91E-09	3.21E-10	4.70E-10	0.00E+00	7.91E-10
730	441916	3769477	3.81E-09	4.64E-09	0.00E+00	8.45E-09	4.29E-09	6.75E-09	0.00E+00	1.10E-08	7.20E-10	1.15E-09	0.00E+00	1.87E-09	3.15E-10	4.61E-10	0.00E+00	7.76E-10
731	441908.6	3769483	3.74E-09	4.56E-09	0.00E+00	8.30E-09	4.21E-09	6.63E-09	0.00E+00	1.08E-08	7.07E-10	1.13E-09	0.00E+00	1.84E-09	3.09E-10	4.53E-10	0.00E+00	7.62E-10
732	441901.1	3769489	3.67E-09	4.48E-09	0.00E+00	8.15E-09	4.14E-09	6.51E-09	0.00E+00	1.06E-08	6.94E-10	1.11E-09	0.00E+00	1.80E-09	3.04E-10	4.44E-10	0.00E+00	7.48E-10
733	441893.6	3769495	3.61E-09	4.39E-09	0.00E+00	8.00E-09	4.06E-09	6.39E-09	0.00E+00	1.05E-08	6.82E-10	1.09E-09	0.00E+00	1.77E-09	2.98E-10	4.36E-10	0.00E+00	7.34E-10
734	441886.2	3769501	3.47E-09	4.23E-09	0.00E+00	7.70E-09	3.91E-09	6.15E-09	0.00E+00	1.01E-08	6.56E-10	1.05E-09	0.00E+00	1.70E-09	2.87E-10	4.20E-10	0.00E+00	7.07E-10
735	441878.7	3769507	3.41E-09	4.16E-09	0.00E+00	7.57E-09	3.84E-09	6.04E-09	0.00E+00	9.89E-09	6.45E-10	1.03E-09	0.00E+00	1.67E-09	2.82E-10	4.13E-10	0.00E+00	6.95E-10
736	441871.3	3769513	3.35E-09	4.09E-09	0.00E+00	7.44E-09	3.78E-09	5.94E-09	0.00E+00	9.72E-09	6.34E-10	1.01E-09	0.00E+00	1.65E-09	2.77E-10	4.06E-10	0.00E+00	6.83E-10
737	441863.8	3769519	3.29E-09	4.02E-09	0.00E+00	7.31E-09	3.71E-09	5.84E-09	0.00E+00	9.55E-09	6.23E-10	9.95E-10	0.00E+00	1.62E-09	2.72E-10	3.99E-10	0.00E+00	6.71E-10
738	441856.4	3769525	3.24E-09	3.95E-09	0.00E+00	7.18E-09	3.65E-09	5.74E-09	0.00E+00	9.38E-09	6.12E-10	9.78E-10	0.00E+00	1.59E-09	2.68E-10	3.92E-10	0.00E+00	6.59E-10
739	441848.9	3769532	3.18E-09	3.87E-09	0.00E+00	7.05E-09	3.58E-09	5.63E-09	0.00E+00	9.21E-09	6.01E-10	9.60E-10	0.00E+00	1.56E-09	2.63E-10	3.85E-10	0.00E+00	6.47E-10
740	441841.4	3769538	3.12E-09	3.80E-09	0.00E+00	6.92E-09	3.51E-09	5.52E-09	0.00E+00	9.04E-09	5.89E-10	9.42E-10	0.00E+00	1.53E-09	2.58E-10	3.77E-10	0.00E+00	6.35E-10
741	442362.6	3768747	1.08E-08	1.32E-08	0.00E+00	2.39E-08	1.22E-08	1.91E-08	0.00E+00	3.13E-08	2.04E-09	3.26E-09	0.00E+00	5.30E-09	8.92E-10	1.31E-09	0.00E+00	2.20E-09
742	441531.1	3768702	2.06E-07	2.51E-07	0.00E+00	4.56E-07	2.32E-07	3.64E-07	0.00E+00	5.96E-07	3.89E-08	6.21E-08	0.00E+00	1.01E-07	1.70E-08	2.49E-08	0.00E+00	4.19E-08
743	441815.7	3769038	2.03E-08	2.48E-08	0.00E+00	4.51E-08	2.29E-08	3.60E-08	0.00E+00	5.90E-08	3.84E-09	6.14E-09	0.00E+00	9.99E-09	1.68E-09	2.46E-09	0.00E+00	4.14E-09
744	441841.8	3769068	1.75E-08	2.13E-08	0.00E+00	3.88E-08	1.97E-08	3.10E-08	0.00E+00	5.07E-08	3.30E-09	5.28E-09	0.00E+00	8.59E-09	1.45E-09	2.12E-09	0.00E+00	3.56E-09
745	441867.8	3769098	1.52E-08	1.85E-08	0.00E+00	3.37E-08	1.71E-08	2.69E-08	0.00E+00	4.41E-08	2.87E-09	4.59E-09	0.00E+00	7.46E-09	1.26E-09	1.84E-09	0.00E+00	3.10E-09
746	441893.9	3769129	1.33E-08	1.62E-08	0.00E+00	2.94E-08	1.49E-08	2.35E-08	0.00E+00	3.84E-08	2.51E-09	4.00E-09	0.00E+00	6.51E-09	1.10E-09	1.60E-09	0.00E+00	2.70E-09
747	441919.9	3769159	1.17E-08	1.42E-08	0.00E+00	2.59E-08	1.32E-08	2.07E-08	0.00E+00	3.38E-08	2.21E-09	3.53E-09	0.00E+00	5.73E-09	9.65E-10	1.41E-09	0.00E+00	2.38E-09
748	441946	3769189	1.03E-08	1.26E-08	0.00E+00	2.30E-08	1.17E-08	1.83E-08	0.00E+00	3.00E-08	1.96E-09	3.13E-09	0.00E+00	5.08E-09	8.55E-10	1.25E-09	0.00E+00	2.11E-09
749	441494.4	3768647	2.92E-07	3.55E-07	0.00E+00	6.47E-07	3.29E-07	5.17E-07	0.00E+00	8.45E-07	5.51E-08	8.81E-08	0.00E+00	1.43E-07	2.41E-08	3.53E-08	0.00E+00	5.94E-08
750	441494	3768667	2.90E-07	3.53E-07	0.00E+00	6.43E-07	3.27E-07	5.13E-07	0.00E+00	8.40E-07	5.48E-08	8.75E-08	0.00E+00	1.42E-07	2.40E-08	3.51E-08	0.00E+00	5.90E-08
751	441493.6	3768687	2.93E-07	3.57E-07	0.00E+00	6.50E-07	3.30E-07	5.19E-07	0.00E+00	8.49E-07	5.53E-08	8.84E-08	0.00E+00	1.44E-07	2.42E-08	3.54E-08	0.00E+00	5.96E-08
752	441474.1	3768706	3.83E-07	4.66E-07	0.00E+00	8.49E-07	4.31E-07	6.78E-07	0.00E+00	1.11E-06	7.23E-08	1.16E-07	0.00E+00	1.88E-07	3.16E-08	4.63E-08	0.00E+00	7.79E-08
753	441493.2	3768707	2.95E-07	3.60E-07	0.00E+00	6.56E-07	3.33E-07	5.24E-07	0.00E+00	8.57E-07	5.59E-08	8.93E-08	0.00E+00	1.45E-07	2.44E-08	3.58E-08	0.00E+00	6.02E-08
754	441473.7	3768726	3.73E-07	4.55E-07	0.00E+00	8.28E-07	4.21E-07	6.62E-07	0.00E+00	1.08E-06	7.06E-08	1.13E-07	0.00E+00	1.83E-07	3.09E-08	4.52E-08	0.00E+00	7.60E-08
755	441492.9	3768727	2.90E-07	3.54E-07	0.00E+00	6.44E-07	3.27E-07	5.14E-07	0.00E+00	8.42E-07	5.49E-08	8.77E-08	0.00E+00	1.43E-07	2.40E-08	3.51E-08	0.00E+00	5.91E-08
756	441454.4	3769246	5.58E-09	6.80E-09	0.00E+00	1.24E-08	6.29E-09	9.88E-09	0.00E+00	1.62E-08	1.05E-09	1.68E-09	0.00E+00	2.74E-09	4.61E-10	6.75E-10	0.00E+00	1.14E-09
757	441463.9	3769246	5.63E-09	6.87E-09	0.00E+00	1.25E-08	6.35E-09	9.98E-09	0.00E+00	1.63E-08	1.07E-09	1.70E-09	0.00E+00	2.77E-09	4.66E-10	6.82E-10	0.00E+00	1.15E-09
758	441473.5	3769246	5.69E-09	6.94E-09	0.00E+00	1.26E-08	6.42E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.71E-10	6.89E-10	0.00E+00	1.16E-09
759	441483.1	3769247	5.75E-09	7.01E-09	0.00E+00	1.28E-08	6.48E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.82E-09	4.76E-10	6.96E-10	0.00E+00	1.17E-09
760	441453.6	3769286	4.76E-09	5.80E-09	0.00E+00	1.06E-08	5.36E-09	8.43E-09	0.00E+00	1.38E-08	8.99E-10	1.44E-09	0.00E+00	2.34E-09	3.93E-10	5.76E-10	0.00E+00	9.69E-10
761	441463.2	3769286	4.80E-09	5.85E-09	0.00E+00	1.07E-08	5.41E-09	8.51E-09	0.00E+00	1.39E-08	9.08E-10	1.45E-09	0.00E+00	2.36E-09	3.97E-10	5.81E-10	0.00E+00	9.78E-10
762	441472.8	3769286	4.85E-09	5.91E-09	0.00E+00	1.08E-08	5.46E-09	8.59E-09	0.00E+00	1.41E-08	9.16E-10	1.46E-09	0.00E+00	2.38E-09	4.01E-10	5.87E-10	0.00E+00	9.87E-10
763	441482.3	3769287	4.89E-09	5.96E-09	0.00E+00	1.09E-08	5.51E-09	8.67E-09	0.00E+00	1.42E-08	9.25E-10	1.48E-09	0.00E+00	2.40E-09	4.05E-10	5.92E-10	0.00E+00	9.97E-10
764	441452.9	3769326	4.16E-09	5.07E-09	0.00E+00	9.23E-09	4.69E-09	7.37E-09	0.00E+00	1.21E-08	7.87E-10	1.26E-09	0.00E+00	2.04E-09	3.44E-10	5.04E-10	0.00E+00	8.48E-10
765	441462.4	3769326	4.19E-09	5.11E-09	0.00E+00	9.30E-09	4.72E-09	7.43E-09	0.00E+00	1.21E-08	7.92E-10	1.27E-09	0.00E+00	2.06E-09	3.46E-10	5.07E-10	0.00E+00	8.54E-10
766	441472	3769326	4.22E-09	5.15E-09	0.00E+00	9.37E-09	4.76E-09	7.48E-09	0.00E+00	1.22E-08	7.98E-10	1.28E-09	0.00E+00	2.07E-09	3.49E-10	5.11E-10	0.00E+00	8.60E-10
767	441481.6	3769327	4.25E-09	5.18E-09	0.00E+00	9.44E-09	4.79E-09	7.54E-09	0.00E+00	1.23E-08	8.04E-10	1.28E-09	0.00E+00	2.09E-09	3.52E-10	5.15E-10	0.00E+00	8.66E-10
768	441451.4	3769406	3.34E-09	4.07E-09	0.00E+00	7.42E-09	3.77E-09	5.92E-09	0.00E+00	9.69E-09	6.32E-10	1.01E-09	0.00E+00	1.64E-09	2.76E-10	4.05E-10	0.00E+00	6.81E-10
769	441460.9	3769406	3.38E-09	4.12E-09	0.00E+00	7.49E-09	3.81E-09	5.98E-09	0.00E+00	9.79E-09	6.38E-10	1.02E-09	0.00E+00	1.66E-09	2.79E-10	4.09E-10	0.00E+00	6.88E-10
770	441470.5	3769406	3.41E-09	4.16E-09	0.00E+00	7.57E-09	3.84E-09	6.04E-09	0.00E+00	9.88E-09	6.44E-10	1.03E-09	0.00E+00	1.67E-09	2.82E-10	4.13E-10	0.00E+00	6.94E-10
771	441480.1	3769407	3.44E-09	4.20E-09	0.00E+00	7.64E-09	3.88E-09	6.10E-09	0.00E+00	9.98E-09	6.51E-10	1.04E-09	0.00E+00	1.69E-09	2.85E-10	4.17E-10	0.00E+00	7.01E-10
772	441450.6	3769446	3.04E-09	3.71E-09	0.00E+00	6.75E-09	3.43E-09	5.39E-09	0.00E+00	8.82E-09	5.75E-10	9.19E-10	0.00E+00	1.49E-09	2.51E-10	3.68E-10	0.00E+00	6.19E-10
773	441460.2	3769446	3.06E-09	3.74E-09	0.00E+00	6.80E-09	3.45E-09	5.43E-09	0.00E+00	8.88E-09	5.79E-10	9.26E-10	0.00E+00	1.51E-09	2.53E-10	3.71E-10	0.00E+00	6.24E-10
774	441469.8	3769446	3.09E-09	3.77E-09	0.00E+00	6.85E-09	3.48E-09	5.47E-09	0.00E+00	8.95E-09	5.84E-10	9.33E-10	0.00E+00	1.52E-09	2.55E-10	3.74E-10	0.00E+00	6.29E-10
775	441479.3	3769447	3.11E-09	3.80E-09	0.00E+00	6.91E-09	3.51E-09	5.52E-09	0.00E+00	9.03E-09	5.89E-10	9.41E-10	0.00E+00	1.53E-09	2.57E-10	3.77E-10	0.00E+00	6.34E-10
776	441449.9	3769486	2.75E-09	3.35E-09	0.00E+00	6.10E-09	3.10E-09	4.87E-09	0.00E+00	7.96E-09	5.19E-10	8.30E-10	0.00E+00	1.35E-09	2.27E-10	3.32E-10	0.00E+00	5.60E-10
777	441459.4	3769486	2.77E-09	3.38E-09	0.00E+00	6.15E-09	3.12E-09	4.91E-09	0.00E+00	8.03E-09	5.24E-10	8.37E-10	0.00E+00	1.36E-09	2.29E-10	3.35E-10	0.00E+00	5.65E-10
778	441469	3769486	2.80E-09	3.41E-09	0.00E+00	6.20E-09	3.15E-09	4.95E-09	0.00E+00	8.11E-09	5.29E-10	8.45E-10	0.00E+00	1.37E-09	2.31E-10	3.38E-10	0.00E+00	5.70E-10
779	441478.6	3769487	2.82E-09	3.44E-09	0.00E+00	6.26E-09	3.18E-09	5.00E-09	0.00E+00	8.18E-09	5.33E-10	8.52E-10	0.00E+00	1.39E-09	2.33E-10	3.41E-10	0.00E+00	5.75E-10
780	441449.1	3769526	2.48E-09	3.02E-09	0.00E+00	5.50E-09	2.80E-09	4.40E-09	0.00E+00	7.19E-09	4.69E-10	7.49E-10	0.00E+00	1.22E-09	2.05E-10	3.00E-10	0.00E+00	5.05E-10
781	441458.7	3769526	2.50E-09	3.05E-09	0.00E+00	5.55E-09	2.82E-09	4.43E-09	0.00E+00	7.25E-09	4.73E-10	7.56E-10	0.00E+00	1.23E-09	2.07E-10	3.03E-10	0.00E+00	5.10E-10

782	441468.3	3769526	2.52E-09	3.08E-09	0.00E+00	5.60E-09	2.84E-09	4.47E-09	0.00E+00	7.32E-09	4.77E-10	7.62E-10	0.00E+00	1.24E-09	2.09E-10	3.05E-10	0.00E+00	5.14E-10
783	441477.8	3769527	2.55E-09	3.10E-09	0.00E+00	5.65E-09	2.87E-09	4.51E-09	0.00E+00	7.38E-09	4.81E-10	7.69E-10	0.00E+00	1.25E-09	2.11E-10	3.08E-10	0.00E+00	5.19E-10
784	441514.7	3768627	2.63E-07	3.20E-07	0.00E+00	5.83E-07	2.96E-07	4.66E-07	0.00E+00	7.62E-07	4.97E-08	7.94E-08	0.00E+00	1.29E-07	2.17E-08	3.18E-08	0.00E+00	5.35E-08
785	441514.7	3768617	2.64E-07	3.22E-07	0.00E+00	5.87E-07	2.98E-07	4.69E-07	0.00E+00	7.67E-07	5.00E-08	7.99E-08	0.00E+00	1.30E-07	2.19E-08	3.20E-08	0.00E+00	5.39E-08
786	441514.6	3768607	2.58E-07	3.15E-07	0.00E+00	5.73E-07	2.91E-07	4.58E-07	0.00E+00	7.49E-07	4.88E-08	7.80E-08	0.00E+00	1.27E-07	2.14E-08	3.13E-08	0.00E+00	5.26E-08
787	441514.5	3768597	2.46E-07	3.00E-07	0.00E+00	5.46E-07	2.77E-07	4.36E-07	0.00E+00	7.13E-07	4.65E-08	7.43E-08	0.00E+00	1.21E-07	2.03E-08	2.98E-08	0.00E+00	5.01E-08
788	441514.4	3768587	2.29E-07	2.79E-07	0.00E+00	5.07E-07	2.58E-07	4.05E-07	0.00E+00	6.62E-07	4.32E-08	6.90E-08	0.00E+00	1.12E-07	1.89E-08	2.77E-08	0.00E+00	4.65E-08
789	441514.3	3768577	2.10E-07	2.56E-07	0.00E+00	4.65E-07	2.36E-07	3.72E-07	0.00E+00	6.08E-07	3.96E-08	6.33E-08	0.00E+00	1.03E-07	1.73E-08	2.54E-08	0.00E+00	4.27E-08
790	441514.2	3768567	1.88E-07	2.29E-07	0.00E+00	4.17E-07	2.12E-07	3.33E-07	0.00E+00	5.45E-07	3.55E-08	5.68E-08	0.00E+00	9.23E-08	1.55E-08	2.27E-08	0.00E+00	3.83E-08
791	441514.1	3768558	1.61E-07	1.97E-07	0.00E+00	3.58E-07	1.82E-07	2.86E-07	0.00E+00	4.68E-07	3.05E-08	4.88E-08	0.00E+00	7.93E-08	1.34E-08	1.95E-08	0.00E+00	3.29E-08
792	441514	3768548	1.29E-07	1.57E-07	0.00E+00	2.87E-07	1.46E-07	2.29E-07	0.00E+00	3.75E-07	2.44E-08	3.90E-08	0.00E+00	6.34E-08	1.07E-08	1.56E-08	0.00E+00	2.63E-08
793	441531.8	3768634	2.08E-07	2.53E-07	0.00E+00	4.61E-07	2.34E-07	3.68E-07	0.00E+00	6.02E-07	3.92E-08	6.27E-08	0.00E+00	1.02E-07	1.72E-08	2.51E-08	0.00E+00	4.23E-08
794	441534.7	3768617	1.97E-07	2.40E-07	0.00E+00	4.36E-07	2.22E-07	3.49E-07	0.00E+00	5.70E-07	3.72E-08	5.94E-08	0.00E+00	9.66E-08	1.63E-08	2.38E-08	0.00E+00	4.01E-08
795	441534.6	3768607	1.89E-07	2.31E-07	0.00E+00	4.20E-07	2.13E-07	3.36E-07	0.00E+00	5.49E-07	3.58E-08	5.72E-08	0.00E+00	9.30E-08	1.57E-08	2.29E-08	0.00E+00	3.86E-08
796	441534.5	3768597	1.78E-07	2.17E-07	0.00E+00	3.95E-07	2.01E-07	3.16E-07	0.00E+00	5.17E-07	3.37E-08	5.38E-08	0.00E+00	8.75E-08	1.47E-08	2.16E-08	0.00E+00	3.63E-08
797	441534.4	3768587	1.63E-07	1.99E-07	0.00E+00	3.62E-07	1.84E-07	2.89E-07	0.00E+00	4.73E-07	3.08E-08	4.93E-08	0.00E+00	8.01E-08	1.35E-08	1.97E-08	0.00E+00	3.32E-08
798	441534.3	3768577	1.47E-07	1.79E-07	0.00E+00	3.26E-07	1.65E-07	2.60E-07	0.00E+00	4.25E-07	2.77E-08	4.43E-08	0.00E+00	7.21E-08	1.21E-08	1.78E-08	0.00E+00	2.99E-08
799	441534.2	3768567	1.29E-07	1.58E-07	0.00E+00	2.87E-07	1.46E-07	2.29E-07	0.00E+00	3.75E-07	2.44E-08	3.91E-08	0.00E+00	6.35E-08	1.07E-08	1.56E-08	0.00E+00	2.63E-08
800	441534.1	3768557	1.11E-07	1.36E-07	0.00E+00	2.47E-07	1.25E-07	1.97E-07	0.00E+00	3.23E-07	2.10E-08	3.36E-08	0.00E+00	5.47E-08	9.20E-09	1.35E-08	0.00E+00	2.27E-08
801	441534	3768548	9.27E-08	1.13E-07	0.00E+00	2.06E-07	1.04E-07	1.64E-07	0.00E+00	2.69E-07	1.75E-08	2.80E-08	0.00E+00	4.55E-08	7.66E-09	1.12E-08	0.00E+00	1.89E-08
802	441554.7	3768626	1.57E-07	1.91E-07	0.00E+00	3.47E-07	1.76E-07	2.77E-07	0.00E+00	4.54E-07	2.96E-08	4.73E-08	0.00E+00	7.69E-08	1.29E-08	1.89E-08	0.00E+00	3.19E-08
803	441554.7	3768616	1.51E-07	1.84E-07	0.00E+00	3.36E-07	1.70E-07	2.68E-07	0.00E+00	4.38E-07	2.86E-08	4.57E-08	0.00E+00	7.43E-08	1.25E-08	1.83E-08	0.00E+00	3.08E-08
804	441554.6	3768606	1.44E-07	1.75E-07	0.00E+00	3.19E-07	1.62E-07	2.55E-07	0.00E+00	4.17E-07	2.72E-08	4.35E-08	0.00E+00	7.07E-08	1.19E-08	1.74E-08	0.00E+00	2.93E-08
805	441554.5	3768597	1.35E-07	1.64E-07	0.00E+00	2.99E-07	1.52E-07	2.39E-07	0.00E+00	3.90E-07	2.54E-08	4.07E-08	0.00E+00	6.61E-08	1.11E-08	1.63E-08	0.00E+00	2.74E-08
806	441554.4	3768587	1.23E-07	1.50E-07	0.00E+00	2.74E-07	1.39E-07	2.19E-07	0.00E+00	3.58E-07	2.33E-08	3.73E-08	0.00E+00	6.06E-08	1.02E-08	1.49E-08	0.00E+00	2.51E-08
807	441554.3	3768577	1.11E-07	1.35E-07	0.00E+00	2.47E-07	1.25E-07	1.97E-07	0.00E+00	3.22E-07	2.10E-08	3.36E-08	0.00E+00	5.46E-08	9.19E-09	1.34E-08	0.00E+00	2.26E-08
808	441554.2	3768567	9.82E-08	1.20E-07	0.00E+00	2.18E-07	1.11E-07	1.74E-07	0.00E+00	2.85E-07	1.86E-08	2.97E-08	0.00E+00	4.83E-08	8.12E-09	1.19E-08	0.00E+00	2.00E-08
809	441554.1	3768557	8.57E-08	1.04E-07	0.00E+00	1.90E-07	9.66E-08	1.52E-07	0.00E+00	2.48E-07	1.62E-08	2.59E-08	0.00E+00	4.21E-08	7.08E-09	1.04E-08	0.00E+00	1.75E-08
810	441554	3768547	7.35E-08	8.96E-08	0.00E+00	1.63E-07	8.29E-08	1.30E-07	0.00E+00	2.13E-07	1.39E-08	2.22E-08	0.00E+00	3.61E-08	6.08E-09	8.90E-09	0.00E+00	1.50E-08
811	441554.4	3768675	1.64E-07	1.99E-07	0.00E+00	3.63E-07	1.84E-07	2.90E-07	0.00E+00	4.74E-07	3.09E-08	4.94E-08	0.00E+00	8.03E-08	1.35E-08	1.98E-08	0.00E+00	3.33E-08
812	441534.5	3768690	1.98E-07	2.42E-07	0.00E+00	4.40E-07	2.24E-07	3.51E-07	0.00E+00	5.75E-07	3.75E-08	5.99E-08	0.00E+00	9.74E-08	1.64E-08	2.40E-08	0.00E+00	4.04E-08
813	441574.7	3768626	1.26E-07	1.54E-07	0.00E+00	2.80E-07	1.42E-07	2.24E-07	0.00E+00	3.66E-07	2.39E-08	3.81E-08	0.00E+00	6.20E-08	1.04E-08	1.53E-08	0.00E+00	2.57E-08
814	441574.7	3768616	1.21E-07	1.47E-07	0.00E+00	2.68E-07	1.36E-07	2.14E-07	0.00E+00	3.50E-07	2.28E-08	3.65E-08	0.00E+00	5.93E-08	9.99E-09	1.46E-08	0.00E+00	2.46E-08
815	441574.6	3768606	1.14E-07	1.39E-07	0.00E+00	2.53E-07	1.29E-07	2.02E-07	0.00E+00	3.31E-07	2.16E-08	3.45E-08	0.00E+00	5.61E-08	9.44E-09	1.38E-08	0.00E+00	2.33E-08
816	441574.5	3768596	1.07E-07	1.30E-07	0.00E+00	2.37E-07	1.20E-07	1.89E-07	0.00E+00	3.09E-07	2.02E-08	3.22E-08	0.00E+00	5.24E-08	8.82E-09	1.29E-08	0.00E+00	2.17E-08
817	441574.4	3768587	9.84E-08	1.20E-07	0.00E+00	2.18E-07	1.11E-07	1.74E-07	0.00E+00	2.85E-07	1.86E-08	2.97E-08	0.00E+00	4.83E-08	8.14E-09	1.19E-08	0.00E+00	2.00E-08
818	441574.3	3768577	8.94E-08	1.09E-07	0.00E+00	1.98E-07	1.01E-07	1.58E-07	0.00E+00	2.59E-07	1.69E-08	2.70E-08	0.00E+00	4.39E-08	7.39E-09	1.08E-08	0.00E+00	1.82E-08
819	441574.2	3768567	8.00E-08	9.75E-08	0.00E+00	1.77E-07	9.01E-08	1.42E-07	0.00E+00	2.32E-07	1.51E-08	2.42E-08	0.00E+00	3.93E-08	6.61E-09	9.68E-09	0.00E+00	1.63E-08
820	441574.1	3768557	7.05E-08	8.60E-08	0.00E+00	1.57E-07	7.95E-08	1.25E-07	0.00E+00	2.04E-07	1.33E-08	2.13E-08	0.00E+00	3.46E-08	5.83E-09	8.54E-09	0.00E+00	1.44E-08
821	441574	3768547	6.16E-08	7.51E-08	0.00E+00	1.37E-07	6.95E-08	1.09E-07	0.00E+00	1.79E-07	1.17E-08	1.86E-08	0.00E+00	3.03E-08	5.10E-09	7.46E-09	0.00E+00	1.26E-08
822	441572.5	3768680	1.41E-07	1.72E-07	0.00E+00	3.13E-07	1.59E-07	2.50E-07	0.00E+00	4.09E-07	2.67E-08	4.26E-08	0.00E+00	6.92E-08	1.17E-08	1.71E-08	0.00E+00	2.87E-08
823	441594.7	3768626	1.05E-07	1.28E-07	0.00E+00	2.34E-07	1.19E-07	1.87E-07	0.00E+00	3.05E-07	1.99E-08	3.18E-08	0.00E+00	5.18E-08	8.71E-09	1.28E-08	0.00E+00	2.15E-08
824	441594.6	3768616	1.01E-07	1.23E-07	0.00E+00	2.24E-07	1.14E-07	1.79E-07	0.00E+00	2.93E-07	1.91E-08	3.05E-08	0.00E+00	4.96E-08	8.35E-09	1.22E-08	0.00E+00	2.06E-08
825	441594.6	3768606	9.57E-08	1.17E-07	0.00E+00	2.12E-07	1.08E-07	1.70E-07	0.00E+00	2.78E-07	1.81E-08	2.89E-08	0.00E+00	4.70E-08	7.92E-09	1.16E-08	0.00E+00	1.95E-08
826	441594.5	3768596	8.95E-08	1.09E-07	0.00E+00	1.99E-07	1.01E-07	1.59E-07	0.00E+00	2.60E-07	1.69E-08	2.71E-08	0.00E+00	4.40E-08	7.40E-09	1.08E-08	0.00E+00	1.82E-08
827	441594.4	3768586	8.25E-08	1.01E-07	0.00E+00	1.83E-07	9.30E-08	1.46E-07	0.00E+00	2.39E-07	1.56E-08	2.49E-08	0.00E+00	4.05E-08	6.82E-09	9.99E-09	0.00E+00	1.68E-08
828	441594.3	3768577	7.51E-08	9.16E-08	0.00E+00	1.67E-07	8.47E-08	1.33E-07	0.00E+00	2.18E-07	1.42E-08	2.27E-08	0.00E+00	3.69E-08	6.21E-09	9.09E-09	0.00E+00	1.53E-08
829	441594.2	3768567	6.75E-08	8.23E-08	0.00E+00	1.50E-07	7.61E-08	1.20E-07	0.00E+00	1.96E-07	1.28E-08	2.04E-08	0.00E+00	3.32E-08	5.58E-09	8.17E-09	0.00E+00	1.38E-08
830	441594.1	3768557	5.99E-08	7.31E-08	0.00E+00	1.33E-07	6.76E-08	1.06E-07	0.00E+00	1.74E-07	1.13E-08	1.81E-08	0.00E+00	2.94E-08	4.96E-09	7.25E-09	0.00E+00	1.22E-08
831	441594	3768547	5.29E-08	6.45E-08	0.00E+00	1.17E-07	5.96E-08	9.38E-08	0.00E+00	1.53E-07	1.00E-08	1.60E-08	0.00E+00	2.60E-08	4.38E-09	6.40E-09	0.00E+00	1.08E-08
832	441593.4	3768677	1.21E-07	1.48E-07	0.00E+00	2.69E-07	1.37E-07	2.15E-07	0.00E+00	3.52E-07	2.30E-08	3.67E-08	0.00E+00	5.96E-08	1.00E-08	1.47E-08	0.00E+00	2.47E-08
833	441614.7	3768626	9.00E-08	1.10E-07	0.00E+00	2.00E-07	1.01E-07	1.60E-07	0.00E+00	2.61E-07	1.70E-08	2.72E-08	0.00E+00	4.42E-08	7.44E-09	1.09E-08	0.00E+00	1.83E-08
834	441614.6	3768616	8.60E-08	1.05E-07	0.00E+00	1.91E-07	9.69E-08	1.52E-07	0.00E+00	2.49E-07	1.62E-08	2.60E-08	0.00E+00	4.22E-08	7.11E-09	1.04E-08	0.00E+00	1.75E-08
835	441614.6	3768606	8.13E-08	9.92E-08	0.00E+00	1.81E-07	9.17E-08	1.44E-07	0.00E+00	2.36E-07	1.54E-08	2.46E-08	0.00E+00	4.00E-08	6.73E-09	9.84E-09	0.00E+00	1.66E-08
836	441614.5	3768596	7.61E-08	9.27E-08	0.00E+00	1.69E-07	8.57E-08	1.35E-07	0.00E+00	2.21E-07	1.44E-08	2.30E-08	0.00E+00	3.74E-08	6.29E-09	9.21E-09	0.00E+00	1.55E-08
837	441614.4	3768586	7.02E-08	8.55E-08	0.00E+00	1.56E-07	7.91E-08	1.24E-07	0.00E+00	2.03E-07	1.33E-08	2.12E-08	0.00E+00	3.45E-08	5.80E-09	8.49E-09	0.00E+00	1.43E-08
838	441614.3	3768576	6.41E-08	7.81E-08	0.00E+00	1.42E-07	7.23E-08	1.14E-07	0.00E+00	1.86E-07	1.21E-08	1.94E-08	0.00E+00	3.15E-08	5.30E-09	7.76E-09	0.00E+00	1.31E-08
839	441614.2	3768567	5.80E-08	7.07E-08	0.00E+00	1.29E-07	6.53E-08	1.03E-07	0.00E+00	1.68E-07	1.10E-08	1.75E-08	0.00E+00	2.85E-08	4.79E-09	7.01E-09	0.00E+00	1.18E-08
840	441614.1	3768557	5.19E-08	6.33E-08	0.00E+00	1.15E-07	5.85E-08	9.19E-08	0.00E+00	1.50E-07	9.81E-09	1.57E-08	0.00E+00	2.55E-08	4.29E-09	6.28E-09	0.00E+00	1.06E-08
841	441614	3768547	4.63E-08	5.64E-08	0.00E+00	1.03E-07	5.21E-08	8.20E-08	0.00E+00	1.34E-07	8.75E-09	1.40E-08	0.00E+00	2.27E-08	3.83E-09	5.60E-09	0.00E+00	9.42E-09
842	441614	3768676	1.08E-07	1.31E-07	0.00E+00	2.39E-07	1.21E-07	1.91E-07	0.00E+00	3.12E-07	2.03E-08	3.25E-08	0.00E+00	5.28E-08	8.89E-09	1.30E-08	0.00E+00	2.19E-08
843	441634.7	3768625	7.84E-08	9.55E-08	0.00E+00	1.74E-07	8.83E-08	1.39E-07	0.00E+00	2.27E-07	1.48E-08	2.37E-08	0.00E+00	3.85E-08	6.48E-09	9.48E-09	0.00E+00	1.60E-08
844	441634.6	3768616	7.45E-08	9.08E-08	0.00E+00	1.65E-07	8.39E-08	1.32E-07	0.00E+00	2.16E-07	1.41E-08	2.25E-08	0.00E+00	3.66E-08	6.16E-09	9.01E-09	0.00E+00	1.52E-08
845	441634.6	3768606	7.02E-08	8.56E-08	0.00E+00	1.56E-07	7.91E-08	1.24E-07	0.00E+00	2.04E-07	1.33E-08	2.12E-08	0.00E+00	3.45E-08	5.80E-09	8.49E-09	0.00E+00	1.43E-08
846	441634.5	3768596	6.55E-08	7.99E-08	0.00E+00	1.45E-07	7.39E-08	1.16E-07	0.00E+00	1.90E-07	1.24E-08	1.98E-08	0.00E+00	3.22E-08	5.42E-09	7.93E-09	0.00E+00	1.33E-08
847	441634.4	3768586	6.05E-08	7.38E-08	0.00E+00	1.34E-07	6.82E-08	1.07E-07	0.00E+00	1.76E-07	1.14E-08	1.83E-08	0.00E+00	2.97E-08	5.01E-09	7.33E-09	0.00E+00	1.23E-08
848	441634.3	3768576	5.55E-08	6.77E-08	0.00E+00	1.23E-07	6.26E-08	9.84E-08	0.00E+00	1.61E-07	1.05E-08	1.68E-08	0.00E+00	2.73E-08	4.59E-09	6.72E-09	0.00E+00	1.13E-08
849	441634.2	3768566	5.05E-08	6.16E-08	0.00E+00	1.12E-07	5.69E-08	8.95E-08	0.00E+00	1.46E-07	9.55E-09	1.53E-08	0.00E+00	2.48E-08	4.18E-09	6.11E-09	0.00E+00	1.03E-08
850	441634.1	3768557	4.56E-08	5.56E-08	0.00E+00	1.01E-07	5.14E-08	8.08E-08	0.00E+00	1.32E-07	8.62E-09	1.38E-08	0.00E+00	2.24E-08	3.77E-09	5.52E-09	0.00E+00	9.28E-09
851	441634	3768547	4.10E-08	5.00E-08	0.00E+00	9.10E-08	4.62E-08	7.27E-08	0.00E+00	1.19E-07	7.75E-09	1.24E-08	0.00E+00	2.01E-08	3.39E-09	4.96E-09	0.00E+00	8.36E-09
852	441654.7	3768625	6.98E-08	8.51E-08	0.00E+00	1.55E-07	7.86E-08	1.24E-07	0.00E+00	2.02E-07	1.32E-08	2.11E-08	0.00E+00	3.43E-08	5.77E-09	8.44E-09	0.00E+00	1.42E-08
853	441654.6	3768615	6.57E-08	8.01E-08	0.00E+00	1.46E-07	7.41E-08	1.17E-07	0.00E+00	1.91E-07	1.24E-08	1.99E-08	0.00E+00	3.23E-08	5.44E-09	7.96E-09	0.00E+00	1.34E-08
854	441654.6	3768606	6.15E-08	7.50E-08	0.00E+00	1.37E-07	6.94E-08	1.09E-07	0.00E+00	1.78E-07	1.16E-08	1.86E-08	0.00E+00	3.02E-08	5.09E-09	7.45E-09	0.00E+00	1.25E-08
855	441654.5	3768596	5.73E-08	6.98E-08	0.00E+00	1.27E-07	6.45E-08	1.01E-07	0.00E+00	1.66E-07	1.08E-08	1.73E-08	0.00E+00	2.81E-08	4.73E-09	6.93E-09	0.00E+00	1.17E-08
856	441654.4	3768586	5.30E-08	6.47E-08	0.00E+00	1.18E-07	5.98E-08	9.40E-08	0.00E+00	1.54E-07	1.00E-08	1.60E-08	0.00E+00	2.61E-08	4.39E-09	6.42E-09	0.00E+00	1.08E-08
857	441654.3	3768576	4.88E-08	5.95E-08	0.00E+00	1.08E-07	5.50E-08	8.65E-08	0.00E+00	1.42E-07	9.23E-09	1.48E-08	0.00E+00	2.40E-08	4.04E-09	5.91E-09	0.00E+00	9.95E-09
858	441654.2	3768566	4.47E-08	5.44E-08	0.00E+00	9.91E-08	5.03E-08	7.91E-08	0.00E+00	1.29E-07	8.44E-09	1.35E-08	0.00E+00	2.19E-08	3.69E-09	5.40E-09	0.00E+00	9.10E-09
859	441654.1	3768556	4.06E-08	4.95E-08	0.00E+00	9.00E-08	4.57E-08	7.19E-08	0.00E+00	1.18E-07	7.67E-09	1.23E-08	0.00E+00	1.99E-08	3.35E-09	4.91E-09	0.00E+00	8.26E-09
860	441654	3768546	3.68E-08	4.49E-08	0.00E+00	8.16E-08	4.15E-08	6.52E-08	0.00E+00	1.07E-07	6.96E-09	1.11E-08	0.00E+00	1.81E-08	3.04E-09	4.45E-09	0.00E+00	7.49E-09
861	441694.7	3768625	5.52E-08	6.73E-08	0.00E+00	1.23E-07	6.22E-08	9.78E-08	0.00E+00	1.60E-07	1.04E-08	1.67E-08	0.00E+00	2.71E-08	4.56E-09	6.68E-09	0.00E+00	1.12E-08
862	441694.6	3768615	5.21E-08	6.35E-08	0.00E+00	1.16E-07	5.87E-08	9.24E-08	0.00E+00	1.51E-07	9.85E-09	1.57E-08	0.00E+00	2.56E-08	4.31E-09	6.31E-09	0.00E+00	1.06E-08
863	441694.6	3768605	4.89E-08	5.97E-08	0.00E+00	1.09E-07	5.52E-08	8.67E-08	0.00E+00	1.42E-07	9.25E-09	1.48E-08	0.00E+00	2.40E-08	4.05E-09	5.92E-09	0.00E+00	9.97E-09
864	441694.5	3768595	4.57E-08	5.57E-08	0.00E+00	1.01E-07	5.15E-08	8.09E-08	0.00E+00	1.32E-07	8.63E-09	1.38E-08	0.00E+00	2.24E-08	3.78E-09	5.53E-09	0.00E+00	9.30E-09
865	441694.4	3768586	4.24E-08	5.16E-08	0.00E+00	9.40E-08	4.78E-08	7.51E-08	0.00E+00	1.23E-07	8.01E-09	1.28E-08	0.00E+00	2.08E-08	3.50E-09	5.13E-09	0.00E+00	8.63E-09
866	441694.3	3768576	3.91E-08	4.77E-08	0.00E+00	8.68E-08	4.41E-08	6.93E-08	0.00E+00	1.13E-07	7.40E-09	1.18E-08	0.00E+00	1.92E-08	3.24E-09	4.74E-09	0.00E+00	7.97E-09
867	441694.2	3768566	3.61E-08	4.40E-08	0.00E+00	8.01E-08	4.07E-08	6.39E-08	0.00E+00	1.05E-07	6.82E-09	1.09E-08	0.00E+00	1.77E-08	2.98E-09	4.37E-09	0.00E+00	7.35E-09
868	441694.1	3768556	3.33E-08	4.06E-08	0.00E+00	7.38E-08	3.75E-08	5.90E-08	0.00E+00	9.65E-08	6.29E-09	1.01E-08	0.00E+00	1.63E-08	2.75E-09	4.03E-09	0.00E+00	6.78E-09
869	441694	3768546	3.07E-08	3.74E-08	0.00E+00	6.80E-08	3.45E-08	5.43E-08	0.00E+00	8.89E-08	5.79E-09	9.26E-09	0.00E+00	1.51E-08	2.53E-09	3.71E-09	0.00E+00	6.24E-09
870	441693.9	3768536	2.82E-08	3.44E-08	0.00E+00	6.27E-08	3.18E-08	5.00E-08	0.00E+00	8.19E-08	5.34E-09	8.53E-09	0.00E+00	1.39E-08	2.33E-09	3.42E-09	0.00E+00	5.75E-09
871	441714.7	3768625	4.98E-08	6.07E-08	0.00E+00	1.10E-07	5.61E-08	8.82E-08	0.00E+00	1.44E-07	9.41E-09	1.50E-08	0.00E+00	2.44E-08	4.11E-09	6.02E-09	0.00E+00	1.01E-08
872	441714.6	3768615	4.69E-08	5.72E-08	0.00E+00	1.04E-07	5.29E-08	8.31E-08	0.00E+00	1.36E-07	8.87E-09	1.42E-08	0.00E+00	2.30E-08	3.88E-09	5.68E-09	0.00E+00	9.55E-09
873	441714.6	3768605	4.40E-08	5.37E-08	0.00E+00	9.77E-08	4.96E-08	7.80E-08	0.00E+00	1.28E-07	8.32E-09	1.33E-08	0.00E+00	2.16E-08	3.64E-09	5.33E-09	0.00E+00	8.97E-09
874	441714.5	3768595	4.11E-08	5.01E-08	0.00E+00	9.12E-08	4.63E-08	7.28E-08	0.00E+00	1.19E-07	7.77E-09	1.24E-08	0.00E+00	2.02E-08	3.40E-09	4.97E-09	0.00E+00	8.37E-09
875	441714.4	3768585	3.82E-08	4.66E-08	0.00E+00	8.48E-08	4.31E-08	6.77E-08	0.00E+00	1.11E-07	7.23E-09	1.15E-08	0.00E+00	1.88E-08	3.16E-09	4.63E-09	0.00E+00	7.79E-09
876	441714.3	3768575	3.54E-08	4.32E-08	0.00E+00	7.86E-08	3.99E-08	6.28E-08	0.00E+00	1.03E-07	6.70E-09	1.07E-08	0.00E+00	1.74E-08	2.93E-09	4.29E-09	0.00E+00	7.22E-09
877	441714.2	3768566	3.28E-08	4.00E-08	0.00E+00	7.28E-08	3.70E-08	5.81E-08	0.00E+00	9.51E-08	6.20E-09	9.91E-09	0.00E+00	1.61E-08	2.71E-09	3.97E-09	0.00E+00	6.68E-09
878	441714.1	3768556	3.04E-08	3.70E-08	0.00E+00	6.74E-08	3.43E-08	5.38E-08	0.00E+00	8.81E-08	5.74E-09	9.18E-09	0.00E+00	1.49E-08	2.51E-09	3.68E-09	0.00E+00	6.19E-09
879	441714	3768546	2.81E-08	3.43E-08	0.00E+00	6.24E-08	3.17E-08	4.98E-08	0.00E+00	8.15E-08	5.31E-09	8.49E-09	0.00E+00	1.38E-08	2.32E-09	3.40E-09	0.00E+00	5.73E-09
880	441713.9	3768536	2.60E-08	3.17E-08	0.00E+00	5.78E-08	2.93E-08	4.61E-08	0.00E+00	7.55E-08	4.92E-09	7.87E-09	0.00E+00	1.28E-08	2.15E-09	3.15E-09	0.00E+00	5.30E-09
881	441734.7	3768625	4.48E-08	5.46E-08	0.00E+00	9.93E-08	5.05E-08	7.93E-08	0.00E+00	1.30E-07	8.46E-09	1.35E-08	0.00E+00	2.20E-08	3.70E-09	5.42E-09	0.00E+00	9.12E-09
882	441734.6	3768615	4.22E-08	5.15E-08	0.00E+00	9.37E-08	4.76E-08	7.48E-08	0.00E+00	1.22E-07	7.98E-09	1.28E-08	0.00E+00	2.07E-08	3.49E-09	5.11E-09	0.00E+00	8.60E-09
883	441734.6	3768605	3.96E-08	4.83E-08	0.00E+00	8.80E-08	4.47E-08	7.03E-08	0.00E+00	1.15E-07	7.49E-09	1.20E-08	0.00E+00	1.95E-08	3.28E-09	4.80E-09	0.00E+00	8.08E-09
884	441734.5	3768595	3.71E-08	4.53E-08	0.00E+00	8.24E-08	4.18E-08	6.58E-08	0.00E+00	1.08E-07	7.02E-09	1.12E-08	0.00E+00	1.82E-08	3.07E-09	4.49E-09	0.00E+00	7.56E-09
885	441734.4	3768585	3.47E-08	4.23E-08	0.00E+00	7.69E-08	3.91E-08	6.14E-08	0.00E+00	1.01E-07	6.55E-09	1.05E-08	0.00E+00	1.70E-08	2.87E-09	4.20E-09	0.00E+00	7.06E-09
886	441734.3	3768575	3.23E-08	3.94E-08	0.00E+00	7.16E-08	3.64E-08	5.72E-08	0.00E+00	9.36E-08	6.10E-09	9.75E-09	0.00E+00	1.59E-08	2.67E-09	3.91E-09	0.00E+00	6.58E-09
887	441734.2	3768565	3.00E-08	3.66E-08	0.00E+00	6.66E-08	3.39E-08	5.32E-08	0.00E+00	8.71E-08	5.68E-09	9.07E-09	0.00E+00	1.47E-08	2.48E-09	3.63E-09	0.00E+00	6.12E-09
888	441734.1	3768556	2.79E-08	3.40E-08	0.00E+00	6.19E-08	3.15E-08	4.95E-08	0.00E+00	8.09E-08	5.28E-09	8.43E-09	0.00E+00	1.37E-08	2.31E-09	3.38E-09	0.00E+00	5.69E-09
889	441734	3768546	2.59E-08	3.16E-08	0.00E+00	5.75E-08	2.92E-08	4.59E-08	0.00E+00	7.52E-08	4.90E-09	7.83E-09	0.00E+00	1.27E-08	2.14E-09	3.14E-09	0.00E+00	5.28E-09
890	441733.9	3768536	2.41E-08	2.94E-08	0.00E+00	5.35E-08	2.72E-08	4.27E-08	0.00E+00	6.99E-08	4.56E-09	7.28E-09	0.00E+00	1.18E-08	1.99E-09	2.92E-09	0.00E+00	4.91E-09
891	441754.6	3768614	3.82E-08	4.66E-08	0.00E+00	8.48E-08	4.31E-08	6.77E-08	0.00E+00	1.11E-07	7.22E-09	1.15E-08	0.00E+00	1.88E-08	3.16E-09	4.62E-09	0.00E+00	7.78E-09
892	441754.6	3768605	3.59E-08	4.38E-08	0.00E+00	7.97E-08	4.05E-08	6.37E-08	0.00E+00	1.04E-07	6.79E-09	1.09E-08	0.00E+00	1.76E-08	2.97E-09	4.35E-09	0.00E+00	7.32E-09
893	441754.5	3768595	3.37E-08	4.11E-08	0.00E+00	7.48E-08	3.80E-08	5.98E-08	0.00E+00	9.78E-08	6.38E-09	1.02E-08	0.00E+00	1.66E-08	2.79E-09	4.08E-09	0.00E+00	6.87E-09

894	441754.4	3768585	3.16E-08	3.85E-08	0.00E+00	7.02E-08	3.56E-08	5.60E-08	0.00E+00	9.17E-08	5.98E-09	9.55E-09	0.00E+00	1.55E-08	2.61E-09	3.83E-09	0.00E+00	6.44E-09
895	441754.3	3768575	2.96E-08	3.60E-08	0.00E+00	6.56E-08	3.33E-08	5.24E-08	0.00E+00	8.57E-08	5.59E-09	8.93E-09	0.00E+00	1.45E-08	2.44E-09	3.58E-09	0.00E+00	6.02E-09
896	441754.2	3768565	2.76E-08	3.36E-08	0.00E+00	6.12E-08	3.11E-08	4.89E-08	0.00E+00	8.00E-08	5.22E-09	8.34E-09	0.00E+00	1.36E-08	2.28E-09	3.34E-09	0.00E+00	5.62E-09
897	441754.1	3768555	2.57E-08	3.14E-08	0.00E+00	5.71E-08	2.90E-08	4.56E-08	0.00E+00	7.46E-08	4.87E-09	7.78E-09	0.00E+00	1.26E-08	2.13E-09	3.12E-09	0.00E+00	5.24E-09
898	441754	3768546	2.40E-08	2.93E-08	0.00E+00	5.32E-08	2.70E-08	4.25E-08	0.00E+00	6.96E-08	4.54E-09	7.25E-09	0.00E+00	1.18E-08	1.98E-09	2.90E-09	0.00E+00	4.89E-09
899	441753.9	3768536	2.24E-08	2.73E-08	0.00E+00	4.96E-08	2.52E-08	3.96E-08	0.00E+00	6.48E-08	4.23E-09	6.76E-09	0.00E+00	1.10E-08	1.85E-09	2.71E-09	0.00E+00	4.56E-09
900	441774.6	3768604	3.29E-08	4.01E-08	0.00E+00	7.30E-08	3.71E-08	5.83E-08	0.00E+00	9.54E-08	6.22E-09	9.94E-09	0.00E+00	1.62E-08	2.72E-09	3.98E-09	0.00E+00	6.70E-09
901	441774.5	3768595	3.09E-08	3.77E-08	0.00E+00	6.86E-08	3.49E-08	5.48E-08	0.00E+00	8.97E-08	5.85E-09	9.34E-09	0.00E+00	1.52E-08	2.56E-09	3.74E-09	0.00E+00	6.30E-09
902	441774.4	3768585	2.90E-08	3.54E-08	0.00E+00	6.43E-08	3.27E-08	5.14E-08	0.00E+00	8.41E-08	5.48E-09	8.76E-09	0.00E+00	1.42E-08	2.40E-09	3.51E-09	0.00E+00	5.91E-09
903	441774.3	3768575	2.71E-08	3.31E-08	0.00E+00	6.02E-08	3.06E-08	4.81E-08	0.00E+00	7.87E-08	5.13E-09	8.20E-09	0.00E+00	1.33E-08	2.24E-09	3.28E-09	0.00E+00	5.53E-09
904	441774.2	3768565	2.54E-08	3.09E-08	0.00E+00	5.63E-08	2.86E-08	4.50E-08	0.00E+00	7.36E-08	4.80E-09	7.67E-09	0.00E+00	1.25E-08	2.10E-09	3.07E-09	0.00E+00	5.17E-09
905	441774.1	3768555	2.37E-08	2.89E-08	0.00E+00	5.27E-08	2.68E-08	4.21E-08	0.00E+00	6.88E-08	4.49E-09	7.17E-09	0.00E+00	1.17E-08	1.96E-09	2.87E-09	0.00E+00	4.84E-09
906	441774	3768545	2.22E-08	2.71E-08	0.00E+00	4.93E-08	2.50E-08	3.93E-08	0.00E+00	6.44E-08	4.20E-09	6.71E-09	0.00E+00	1.09E-08	1.84E-09	2.69E-09	0.00E+00	4.52E-09
907	441773.9	3768536	2.08E-08	2.53E-08	0.00E+00	4.61E-08	2.34E-08	3.68E-08	0.00E+00	6.02E-08	3.92E-09	6.27E-09	0.00E+00	1.02E-08	1.72E-09	2.51E-09	0.00E+00	4.23E-09
908	441794.5	3768594	2.85E-08	3.48E-08	0.00E+00	6.33E-08	3.21E-08	5.05E-08	0.00E+00	8.27E-08	5.39E-09	8.61E-09	0.00E+00	1.40E-08	2.36E-09	3.45E-09	0.00E+00	5.81E-09
909	441794.4	3768585	2.68E-08	3.26E-08	0.00E+00	5.94E-08	3.02E-08	4.75E-08	0.00E+00	7.76E-08	5.06E-09	8.09E-09	0.00E+00	1.32E-08	2.21E-09	3.24E-09	0.00E+00	5.45E-09
910	441794.3	3768575	2.51E-08	3.06E-08	0.00E+00	5.57E-08	2.83E-08	4.45E-08	0.00E+00	7.28E-08	4.75E-09	7.58E-09	0.00E+00	1.23E-08	2.08E-09	3.04E-09	0.00E+00	5.11E-09
911	441794.2	3768565	2.35E-08	2.87E-08	0.00E+00	5.22E-08	2.65E-08	4.17E-08	0.00E+00	6.82E-08	4.45E-09	7.11E-09	0.00E+00	1.16E-08	1.95E-09	2.85E-09	0.00E+00	4.79E-09
912	441794.1	3768555	2.21E-08	2.69E-08	0.00E+00	4.90E-08	2.49E-08	3.91E-08	0.00E+00	6.40E-08	4.17E-09	6.67E-09	0.00E+00	1.08E-08	1.83E-09	2.67E-09	0.00E+00	4.50E-09
913	441794	3768545	2.07E-08	2.52E-08	0.00E+00	4.59E-08	2.33E-08	3.67E-08	0.00E+00	6.00E-08	3.91E-09	6.26E-09	0.00E+00	1.02E-08	1.71E-09	2.51E-09	0.00E+00	4.22E-09
914	441793.9	3768535	1.94E-08	2.37E-08	0.00E+00	4.31E-08	2.19E-08	3.44E-08	0.00E+00	5.63E-08	3.67E-09	5.87E-09	0.00E+00	9.54E-09	1.61E-09	2.35E-09	0.00E+00	3.96E-09
915	441914.3	3768574	1.69E-08	2.06E-08	0.00E+00	3.75E-08	1.91E-08	3.00E-08	0.00E+00	4.90E-08	3.20E-09	5.11E-09	0.00E+00	8.30E-09	1.40E-09	2.05E-09	0.00E+00	3.44E-09
916	441914.2	3768564	1.61E-08	1.96E-08	0.00E+00	3.57E-08	1.81E-08	2.85E-08	0.00E+00	4.66E-08	3.04E-09	4.86E-09	0.00E+00	7.90E-09	1.33E-09	1.95E-09	0.00E+00	3.27E-09
917	441914.1	3768554	1.53E-08	1.86E-08	0.00E+00	3.39E-08	1.72E-08	2.71E-08	0.00E+00	4.43E-08	2.89E-09	4.62E-09	0.00E+00	7.51E-09	1.26E-09	1.85E-09	0.00E+00	3.11E-09
918	441914	3768544	1.45E-08	1.77E-08	0.00E+00	3.22E-08	1.64E-08	2.58E-08	0.00E+00	4.21E-08	2.75E-09	4.39E-09	0.00E+00	7.14E-09	1.20E-09	1.76E-09	0.00E+00	2.96E-09
919	441913.9	3768534	1.38E-08	1.68E-08	0.00E+00	3.06E-08	1.56E-08	2.45E-08	0.00E+00	4.00E-08	2.61E-09	4.17E-09	0.00E+00	6.78E-09	1.14E-09	1.67E-09	0.00E+00	2.81E-09
920	441954	3768544	1.30E-08	1.59E-08	0.00E+00	2.89E-08	1.47E-08	2.31E-08	0.00E+00	3.78E-08	2.47E-09	3.94E-09	0.00E+00	6.41E-09	1.08E-09	1.58E-09	0.00E+00	2.66E-09
921	441953.9	3768534	1.24E-08	1.52E-08	0.00E+00	2.76E-08	1.40E-08	2.20E-08	0.00E+00	3.61E-08	2.35E-09	3.76E-09	0.00E+00	6.11E-09	1.03E-09	1.51E-09	0.00E+00	2.53E-09
922	442031	3768631	1.60E-08	1.95E-08	0.00E+00	3.55E-08	1.80E-08	2.83E-08	0.00E+00	4.63E-08	3.02E-09	4.83E-09	0.00E+00	7.85E-09	1.32E-09	1.93E-09	0.00E+00	3.26E-09
923	442027.3	3768640	1.67E-08	2.04E-08	0.00E+00	3.71E-08	1.89E-08	2.97E-08	0.00E+00	4.85E-08	3.16E-09	5.06E-09	0.00E+00	8.22E-09	1.38E-09	2.03E-09	0.00E+00	3.41E-09
924	442023.6	3768649	1.75E-08	2.14E-08	0.00E+00	3.89E-08	1.97E-08	3.10E-08	0.00E+00	5.08E-08	3.31E-09	5.29E-09	0.00E+00	8.61E-09	1.45E-09	2.12E-09	0.00E+00	3.57E-09
925	442019.8	3768658	1.83E-08	2.24E-08	0.00E+00	4.07E-08	2.07E-08	3.25E-08	0.00E+00	5.32E-08	3.47E-09	5.54E-09	0.00E+00	9.01E-09	1.52E-09	2.22E-09	0.00E+00	3.74E-09
926	442016.1	3768667	1.92E-08	2.34E-08	0.00E+00	4.26E-08	2.16E-08	3.40E-08	0.00E+00	5.56E-08	3.63E-09	5.80E-09	0.00E+00	9.43E-09	1.59E-09	2.32E-09	0.00E+00	3.91E-09
927	442012.4	3768676	2.01E-08	2.44E-08	0.00E+00	4.45E-08	2.26E-08	3.55E-08	0.00E+00	5.81E-08	3.79E-09	6.06E-09	0.00E+00	9.85E-09	1.66E-09	2.43E-09	0.00E+00	4.08E-09
928	441856.6	3769018	2.22E-08	2.71E-08	0.00E+00	4.93E-08	2.51E-08	3.94E-08	0.00E+00	6.44E-08	4.20E-09	6.72E-09	0.00E+00	1.09E-08	1.84E-09	2.69E-09	0.00E+00	4.53E-09
929	441847.5	3769021	2.19E-08	2.67E-08	0.00E+00	4.87E-08	2.47E-08	3.89E-08	0.00E+00	6.36E-08	4.15E-09	6.62E-09	0.00E+00	1.08E-08	1.81E-09	2.65E-09	0.00E+00	4.47E-09
930	441838.5	3769025	2.16E-08	2.63E-08	0.00E+00	4.79E-08	2.43E-08	3.83E-08	0.00E+00	6.26E-08	4.08E-09	6.53E-09	0.00E+00	1.06E-08	1.79E-09	2.61E-09	0.00E+00	4.40E-09
931	441829.4	3769029	2.13E-08	2.59E-08	0.00E+00	4.72E-08	2.40E-08	3.77E-08	0.00E+00	6.16E-08	4.02E-09	6.42E-09	0.00E+00	1.04E-08	1.76E-09	2.57E-09	0.00E+00	4.33E-09
932	441802.2	3769039	2.02E-08	2.46E-08	0.00E+00	4.47E-08	2.27E-08	3.57E-08	0.00E+00	5.85E-08	3.81E-09	6.09E-09	0.00E+00	9.90E-09	1.67E-09	2.44E-09	0.00E+00	4.11E-09
933	442034.7	3768622	1.53E-08	1.86E-08	0.00E+00	3.39E-08	1.72E-08	2.71E-08	0.00E+00	4.43E-08	2.89E-09	4.61E-09	0.00E+00	7.50E-09	1.26E-09	1.85E-09	0.00E+00	3.11E-09
934	442034.6	3768612	1.47E-08	1.79E-08	0.00E+00	3.25E-08	1.65E-08	2.60E-08	0.00E+00	4.25E-08	2.77E-09	4.43E-09	0.00E+00	7.20E-09	1.21E-09	1.77E-09	0.00E+00	2.99E-09
935	442034.5	3768602	1.41E-08	1.71E-08	0.00E+00	3.12E-08	1.59E-08	2.49E-08	0.00E+00	4.08E-08	2.66E-09	4.25E-09	0.00E+00	6.91E-09	1.16E-09	1.70E-09	0.00E+00	2.87E-09
936	442034.4	3768592	1.35E-08	1.64E-08	0.00E+00	2.99E-08	1.52E-08	2.39E-08	0.00E+00	3.91E-08	2.55E-09	4.08E-09	0.00E+00	6.63E-09	1.12E-09	1.63E-09	0.00E+00	2.75E-09
937	442034.4	3768582	1.29E-08	1.58E-08	0.00E+00	2.87E-08	1.46E-08	2.29E-08	0.00E+00	3.75E-08	2.45E-09	3.91E-09	0.00E+00	6.35E-09	1.07E-09	1.57E-09	0.00E+00	2.63E-09
938	442034.3	3768573	1.24E-08	1.51E-08	0.00E+00	2.75E-08	1.40E-08	2.20E-08	0.00E+00	3.59E-08	2.34E-09	3.74E-09	0.00E+00	6.09E-09	1.02E-09	1.50E-09	0.00E+00	2.53E-09
939	442034.2	3768563	1.19E-08	1.45E-08	0.00E+00	2.64E-08	1.34E-08	2.11E-08	0.00E+00	3.45E-08	2.25E-09	3.59E-09	0.00E+00	5.84E-09	9.84E-10	1.44E-09	0.00E+00	2.42E-09
940	442071	3768630	1.46E-08	1.78E-08	0.00E+00	3.24E-08	1.65E-08	2.59E-08	0.00E+00	4.23E-08	2.76E-09	4.41E-09	0.00E+00	7.17E-09	1.21E-09	1.77E-09	0.00E+00	2.97E-09
941	442067.2	3768640	1.52E-08	1.86E-08	0.00E+00	3.38E-08	1.72E-08	2.70E-08	0.00E+00	4.42E-08	2.88E-09	4.60E-09	0.00E+00	7.48E-09	1.26E-09	1.84E-09	0.00E+00	3.10E-09
942	442063.5	3768649	1.59E-08	1.94E-08	0.00E+00	3.52E-08	1.79E-08	2.81E-08	0.00E+00	4.60E-08	3.00E-09	4.80E-09	0.00E+00	7.80E-09	1.31E-09	1.92E-09	0.00E+00	3.23E-09
943	442059.8	3768658	1.65E-08	2.02E-08	0.00E+00	3.67E-08	1.86E-08	2.93E-08	0.00E+00	4.79E-08	3.13E-09	5.00E-09	0.00E+00	8.12E-09	1.37E-09	2.00E-09	0.00E+00	3.37E-09
944	442056	3768667	1.72E-08	2.10E-08	0.00E+00	3.82E-08	1.94E-08	3.05E-08	0.00E+00	4.99E-08	3.26E-09	5.20E-09	0.00E+00	8.46E-09	1.42E-09	2.08E-09	0.00E+00	3.51E-09
945	442022.4	3768748	2.37E-08	2.89E-08	0.00E+00	5.26E-08	2.67E-08	4.20E-08	0.00E+00	6.87E-08	4.48E-09	7.16E-09	0.00E+00	1.16E-08	1.96E-09	2.87E-09	0.00E+00	4.83E-09
946	442018.7	3768757	2.43E-08	2.97E-08	0.00E+00	5.40E-08	2.74E-08	4.31E-08	0.00E+00	7.06E-08	4.60E-09	7.35E-09	0.00E+00	1.20E-08	2.01E-09	2.95E-09	0.00E+00	4.96E-09
947	442015	3768767	2.50E-08	3.04E-08	0.00E+00	5.54E-08	2.81E-08	4.42E-08	0.00E+00	7.24E-08	4.72E-09	7.54E-09	0.00E+00	1.23E-08	2.06E-09	3.02E-09	0.00E+00	5.08E-09
948	442011.2	3768776	2.55E-08	3.11E-08	0.00E+00	5.67E-08	2.88E-08	4.53E-08	0.00E+00	7.41E-08	4.83E-09	7.72E-09	0.00E+00	1.25E-08	2.11E-09	3.09E-09	0.00E+00	5.20E-09
949	441884.7	3769046	1.93E-08	2.36E-08	0.00E+00	4.29E-08	2.18E-08	3.43E-08	0.00E+00	5.61E-08	3.66E-09	5.85E-09	0.00E+00	9.50E-09	1.60E-09	2.34E-09	0.00E+00	3.94E-09
950	441875.6	3769050	1.91E-08	2.33E-08	0.00E+00	4.23E-08	2.15E-08	3.38E-08	0.00E+00	5.53E-08	3.61E-09	5.76E-09	0.00E+00	9.37E-09	1.58E-09	2.31E-09	0.00E+00	3.89E-09
951	441866.5	3769053	1.88E-08	2.29E-08	0.00E+00	4.17E-08	2.12E-08	3.33E-08	0.00E+00	5.45E-08	3.55E-09	5.67E-09	0.00E+00	9.23E-09	1.55E-09	2.27E-09	0.00E+00	3.83E-09
952	441857.4	3769057	1.85E-08	2.25E-08	0.00E+00	4.10E-08	2.08E-08	3.27E-08	0.00E+00	5.35E-08	3.49E-09	5.58E-09	0.00E+00	9.07E-09	1.53E-09	2.24E-09	0.00E+00	3.76E-09
953	441848.2	3769061	1.81E-08	2.21E-08	0.00E+00	4.03E-08	2.04E-08	3.21E-08	0.00E+00	5.26E-08	3.43E-09	5.48E-09	0.00E+00	8.91E-09	1.50E-09	2.20E-09	0.00E+00	3.70E-09
954	441830	3769068	1.75E-08	2.13E-08	0.00E+00	3.87E-08	1.97E-08	3.09E-08	0.00E+00	5.06E-08	3.30E-09	5.27E-09	0.00E+00	8.57E-09	1.44E-09	2.11E-09	0.00E+00	3.56E-09
955	442074.7	3768621	1.40E-08	1.71E-08	0.00E+00	3.10E-08	1.58E-08	2.48E-08	0.00E+00	4.05E-08	2.64E-09	4.23E-09	0.00E+00	6.87E-09	1.16E-09	1.69E-09	0.00E+00	2.85E-09
956	442074.6	3768612	1.35E-08	1.64E-08	0.00E+00	2.99E-08	1.52E-08	2.39E-08	0.00E+00	3.90E-08	2.54E-09	4.07E-09	0.00E+00	6.61E-09	1.11E-09	1.63E-09	0.00E+00	2.74E-09
957	442074.5	3768602	1.29E-08	1.58E-08	0.00E+00	2.87E-08	1.46E-08	2.29E-08	0.00E+00	3.75E-08	2.45E-09	3.91E-09	0.00E+00	6.36E-09	1.07E-09	1.57E-09	0.00E+00	2.64E-09
958	442074.4	3768592	1.24E-08	1.51E-08	0.00E+00	2.76E-08	1.40E-08	2.20E-08	0.00E+00	3.60E-08	2.35E-09	3.75E-09	0.00E+00	6.10E-09	1.03E-09	1.50E-09	0.00E+00	2.53E-09
959	442074.4	3768582	1.19E-08	1.45E-08	0.00E+00	2.64E-08	1.34E-08	2.11E-08	0.00E+00	3.45E-08	2.25E-09	3.60E-09	0.00E+00	5.85E-09	9.84E-10	1.44E-09	0.00E+00	2.42E-09
960	442074.3	3768572	1.14E-08	1.39E-08	0.00E+00	2.53E-08	1.29E-08	2.02E-08	0.00E+00	3.31E-08	2.16E-09	3.44E-09	0.00E+00	5.60E-09	9.43E-10	1.38E-09	0.00E+00	2.32E-09
961	442074.2	3768562	1.09E-08	1.33E-08	0.00E+00	2.43E-08	1.23E-08	1.94E-08	0.00E+00	3.17E-08	2.07E-09	3.31E-09	0.00E+00	5.37E-09	9.05E-10	1.32E-09	0.00E+00	2.23E-09
962	442074.1	3768552	1.05E-08	1.28E-08	0.00E+00	2.33E-08	1.18E-08	1.86E-08	0.00E+00	3.04E-08	1.99E-09	3.17E-09	0.00E+00	5.16E-09	8.68E-10	1.27E-09	0.00E+00	2.14E-09
963	442111	3768630	1.34E-08	1.63E-08	0.00E+00	2.97E-08	1.51E-08	2.37E-08	0.00E+00	3.88E-08	2.53E-09	4.04E-09	0.00E+00	6.57E-09	1.11E-09	1.62E-09	0.00E+00	2.72E-09
964	442107.4	3768639	1.39E-08	1.69E-08	0.00E+00	3.09E-08	1.57E-08	2.46E-08	0.00E+00	4.03E-08	2.63E-09	4.20E-09	0.00E+00	6.83E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
965	442103.7	3768648	1.44E-08	1.76E-08	0.00E+00	3.21E-08	1.63E-08	2.56E-08	0.00E+00	4.19E-08	2.73E-09	4.37E-09	0.00E+00	7.10E-09	1.19E-09	1.75E-09	0.00E+00	2.94E-09
966	442100	3768657	1.50E-08	1.83E-08	0.00E+00	3.33E-08	1.69E-08	2.66E-08	0.00E+00	4.35E-08	2.84E-09	4.53E-09	0.00E+00	7.37E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
967	442096.4	3768666	1.56E-08	1.90E-08	0.00E+00	3.46E-08	1.76E-08	2.76E-08	0.00E+00	4.52E-08	2.94E-09	4.71E-09	0.00E+00	7.65E-09	1.29E-09	1.89E-09	0.00E+00	3.17E-09
968	442092.7	3768675	1.62E-08	1.97E-08	0.00E+00	3.58E-08	1.82E-08	2.86E-08	0.00E+00	4.68E-08	3.05E-09	4.88E-09	0.00E+00	7.93E-09	1.34E-09	1.96E-09	0.00E+00	3.29E-09
969	442063.3	3768746	2.12E-08	2.58E-08	0.00E+00	4.70E-08	2.39E-08	3.75E-08	0.00E+00	6.14E-08	4.00E-09	6.39E-09	0.00E+00	1.04E-08	1.75E-09	2.56E-09	0.00E+00	4.31E-09
970	442059.6	3768755	2.18E-08	2.66E-08	0.00E+00	4.83E-08	2.45E-08	3.86E-08	0.00E+00	6.31E-08	4.12E-09	6.58E-09	0.00E+00	1.07E-08	1.80E-09	2.64E-09	0.00E+00	4.44E-09
971	442055.9	3768764	2.24E-08	2.73E-08	0.00E+00	4.96E-08	2.52E-08	3.96E-08	0.00E+00	6.48E-08	4.23E-09	6.76E-09	0.00E+00	1.10E-08	1.85E-09	2.71E-09	0.00E+00	4.56E-09
972	442052.3	3768773	2.29E-08	2.79E-08	0.00E+00	5.09E-08	2.58E-08	4.06E-08	0.00E+00	6.65E-08	4.33E-09	6.93E-09	0.00E+00	1.13E-08	1.90E-09	2.77E-09	0.00E+00	4.67E-09
973	442048.6	3768782	2.35E-08	2.86E-08	0.00E+00	5.20E-08	2.64E-08	4.16E-08	0.00E+00	6.80E-08	4.43E-09	7.09E-09	0.00E+00	1.15E-08	1.94E-09	2.84E-09	0.00E+00	4.78E-09
974	442044.9	3768791	2.40E-08	2.92E-08	0.00E+00	5.31E-08	2.70E-08	4.24E-08	0.00E+00	6.94E-08	4.53E-09	7.24E-09	0.00E+00	1.18E-08	1.98E-09	2.90E-09	0.00E+00	4.88E-09
975	442041.3	3768799	2.44E-08	2.98E-08	0.00E+00	5.42E-08	2.75E-08	4.33E-08	0.00E+00	7.08E-08	4.62E-09	7.38E-09	0.00E+00	1.20E-08	2.02E-09	2.95E-09	0.00E+00	4.97E-09
976	442037.6	3768808	2.48E-08	3.03E-08	0.00E+00	5.51E-08	2.80E-08	4.40E-08	0.00E+00	7.20E-08	4.70E-09	7.50E-09	0.00E+00	1.22E-08	2.05E-09	3.01E-09	0.00E+00	5.06E-09
977	442033.9	3768817	2.52E-08	3.07E-08	0.00E+00	5.60E-08	2.84E-08	4.47E-08	0.00E+00	7.31E-08	4.77E-09	7.62E-09	0.00E+00	1.24E-08	2.08E-09	3.05E-09	0.00E+00	5.14E-09
978	442030.2	3768826	2.55E-08	3.11E-08	0.00E+00	5.67E-08	2.88E-08	4.53E-08	0.00E+00	7.41E-08	4.83E-09	7.72E-09	0.00E+00	1.25E-08	2.11E-09	3.09E-09	0.00E+00	5.20E-09
979	442026.6	3768835	2.58E-08	3.15E-08	0.00E+00	5.73E-08	2.91E-08	4.58E-08	0.00E+00	7.49E-08	4.88E-09	7.81E-09	0.00E+00	1.27E-08	2.14E-09	3.13E-09	0.00E+00	5.26E-09
980	442022.9	3768844	2.61E-08	3.18E-08	0.00E+00	5.79E-08	2.94E-08	4.62E-08	0.00E+00	7.56E-08	4.93E-09	7.88E-09	0.00E+00	1.28E-08	2.16E-09	3.16E-09	0.00E+00	5.31E-09
981	442019.2	3768853	2.63E-08	3.20E-08	0.00E+00	5.83E-08	2.96E-08	4.66E-08	0.00E+00	7.62E-08	4.97E-09	7.94E-09	0.00E+00	1.29E-08	2.17E-09	3.18E-09	0.00E+00	5.35E-09
982	442015.5	3768862	2.64E-08	3.22E-08	0.00E+00	5.86E-08	2.98E-08	4.68E-08	0.00E+00	7.65E-08	4.99E-09	7.98E-09	0.00E+00	1.30E-08	2.18E-09	3.20E-09	0.00E+00	5.38E-09
983	442011.9	3768871	2.65E-08	3.23E-08	0.00E+00	5.88E-08	2.99E-08	4.69E-08	0.00E+00	7.68E-08	5.01E-09	8.00E-09	0.00E+00	1.30E-08	2.19E-09	3.20E-09	0.00E+00	5.39E-09
984	441934.7	3769058	1.80E-08	2.20E-08	0.00E+00	4.00E-08	2.03E-08	3.20E-08	0.00E+00	5.23E-08	3.41E-09	5.45E-09	0.00E+00	8.86E-09	1.49E-09	2.18E-09	0.00E+00	3.67E-09
985	441904.2	3769078	1.67E-08	2.04E-08	0.00E+00	3.71E-08	1.89E-08	2.96E-08	0.00E+00	4.85E-08	3.16E-09	5.05E-09	0.00E+00	8.22E-09	1.38E-09	2.02E-09	0.00E+00	3.41E-09
986	441895.2	3769082	1.65E-08	2.01E-08	0.00E+00	3.66E-08	1.86E-08	2.92E-08	0.00E+00	4.78E-08	3.11E-09	4.98E-09	0.00E+00	8.09E-09	1.36E-09	1.99E-09	0.00E+00	3.36E-09
987	441886.3	3769085	1.62E-08	1.98E-08	0.00E+00	3.60E-08	1.83E-08	2.87E-08	0.00E+00	4.70E-08	3.06E-09	4.90E-09	0.00E+00	7.96E-09	1.34E-09	1.96E-09	0.00E+00	3.30E-09
988	441877.3	3769089	1.59E-08	1.94E-08	0.00E+00	3.53E-08	1.80E-08	2.82E-08	0.00E+00	4.62E-08	3.01E-09	4.81E-09	0.00E+00	7.82E-09	1.32E-09	1.93E-09	0.00E+00	3.24E-09
989	441850.4	3769100	1.50E-08	1.83E-08	0.00E+00	3.34E-08	1.69E-08	2.66E-08	0.00E+00	4.36E-08	2.84E-09	4.54E-09	0.00E+00	7.38E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
990	441787.7	3769125	1.29E-08	1.57E-08	0.00E+00	2.86E-08	1.45E-08	2.28E-08	0.00E+00	3.73E-08	2.43E-09	3.89E-09	0.00E+00	6.32E-09	1.06E-09	1.56E-09	0.00E+00	2.62E-09
991	441563.7	3769214	7.03E-09	8.57E-09	0.00E+00	1.56E-08	7.93E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.81E-10	8.51E-10	0.00E+00	1.43E-09
992	441554.8	3769218	6.88E-09	8.38E-09	0.00E+00	1.53E-08	7.75E-09	1.22E-08	0.00E+00	1.99E-08	1.30E-09	2.08E-09	0.00E+00	3.38E-09	5.69E-10	8.32E-10	0.00E+00	1.40E-09
993	441545.8	3769221	6.73E-09	8.20E-09	0.00E+00	1.49E-08	7.58E-09	1.19E-08	0.00E+00	1.95E-08	1.27E-09	2.03E-09	0.00E+00	3.30E-09	5.56E-10	8.14E-10	0.00E+00	1.37E-09
994	441536.8	3769225	6.58E-09	8.02E-09	0.00E+00	1.46E-08	7.42E-09	1.17E-08	0.00E+00	1.91E-08	1.24E-09	1.99E-09	0.00E+00	3.23E-09	5.44E-10	7.96E-10	0.00E+00	1.34E-09
995	441527.9	3769229	6.44E-09	7.85E-09	0.00E+00	1.43E-08	7.26E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.16E-09	5.33E-10	7.80E-10	0.00E+00	1.31E-09
996	441518.9	3769232	6.30E-09	7.68E-09	0.00E+00	1.40E-08	7.10E-09	1.12E-08	0.00E+00	1.83E-08	1.19E-09	1.90E-09	0.00E+00	3.10E-09	5.21E-10	7.63E-10	0.00E+00	1.28E-09
997	441510	3769236	6.16E-09	7.51E-09	0.00E+00	1.37E-08	6.95E-09	1.09E-08	0.00E+00	1.79E-08	1.17E-09	1.86E-09	0.00E+00	3.03E-09	5.10E-10	7.46E-10	0.00E+00	1.26E-09
998	441501	3769239	6.02E-09	7.34E-09	0.00E+00	1.34E-08	6.79E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.82E-09	0.00E+00	2.96E-09	4.98E-10	7.29E-10	0.00E+00	1.23E-09
999	441492	3769243	5.88E-09	7.17E-09	0.00E+00	1.31E-08	6.63E-09	1.04E-08	0.00E+00	1.71E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.87E-10	7.12E-10	0.00E+00	1.20E-09
1000	442114.7	3768621	1.28E-08	1.56E-08	0.00E+00	2.84E-08	1.44E-08	2.27E-08	0.00E+00	3.72E-08	2.42E-09	3.87E-09	0.00E+00	6.30E-09	1.06E-09	1.55E-09	0.00E+00	2.61E-09
1001	442114.6	3768611	1.24E-08	1.51E-08	0.00E+00	2.74E-08	1.39E-08	2.19E-08	0.00E+00	3.58E-08	2.33E-09	3.73E-09	0.00E+00	6.07E-09	1.02E-09	1.49E-09	0.00E+00	2.52E-09
1002	442114.5	3768601	1.19E-08	1.45E-08	0.00E+00	2.64E-08	1.34E-08	2.11E-08	0.00E+00	3.45E-08	2.25E-09	3.59E-09	0.00E+00	5.84E-09	9.83E-10	1.44E-09	0.00E+00	2.42E-09
1003	442114.4	3768591	1.14E-08	1.39E-08	0.00E+00	2.53E-08	1.29E-08	2.02E-08	0.00E+00	3.31E-08	2.16E-09	3.45E-09	0.00E+00	5.61E-09	9.44E-10	1.38E-09	0.00E+00	2.33E-09
1004	442114.4	3768582	1.10E-08	1.34E-08	0.00E+00	2.43E-08	1.24E-08	1.94E-08	0.00E+00	3.18E-08	2.07E-09	3.31E-09	0.00E+00	5.38E-09	9.06E-10	1.33E-09	0.00E+00	2.23E-09
1005	442114.3	3768572	1.05E-08	1.28E-08	0.00E+00	2.33E-08	1.18E-08	1.86E-08	0.00E+00	3.05E-08	1.99E-09	3.18E-09	0.00E+00	5.16E-09	8.69E-10	1.27E-09	0.00E+00	2.14E-09

1006	442114.2	3768562	1.01E-08	1.23E-08	0.00E+00	2.24E-08	1.14E-08	1.79E-08	0.00E+00	2.93E-08	1.91E-09	3.05E-09	0.00E+00	4.96E-09	8.34E-10	1.22E-09	0.00E+00	2.06E-09
1007	442114.1	3768552	9.69E-09	1.18E-08	0.00E+00	2.15E-08	1.09E-08	1.72E-08	0.00E+00	2.81E-08	1.83E-09	2.93E-09	0.00E+00	4.76E-09	8.01E-10	1.17E-09	0.00E+00	1.97E-09
1008	442114	3768542	9.31E-09	1.13E-08	0.00E+00	2.07E-08	1.05E-08	1.65E-08	0.00E+00	2.70E-08	1.76E-09	2.81E-09	0.00E+00	4.57E-09	7.70E-10	1.13E-09	0.00E+00	1.90E-09
1009	442113.9	3768532	8.95E-09	1.09E-08	0.00E+00	1.99E-08	1.01E-08	1.59E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.40E-09	7.40E-10	1.08E-09	0.00E+00	1.82E-09
1010	442151	3768630	1.22E-08	1.49E-08	0.00E+00	2.70E-08	1.37E-08	2.16E-08	0.00E+00	3.53E-08	2.30E-09	3.68E-09	0.00E+00	5.98E-09	1.01E-09	1.47E-09	0.00E+00	2.48E-09
1011	442147.3	3768639	1.27E-08	1.54E-08	0.00E+00	2.81E-08	1.43E-08	2.24E-08	0.00E+00	3.67E-08	2.39E-09	3.83E-09	0.00E+00	6.22E-09	1.05E-09	1.53E-09	0.00E+00	2.58E-09
1012	442143.6	3768648	1.32E-08	1.61E-08	0.00E+00	2.92E-08	1.48E-08	2.33E-08	0.00E+00	3.82E-08	2.49E-09	3.98E-09	0.00E+00	6.47E-09	1.09E-09	1.59E-09	0.00E+00	2.68E-09
1013	442140	3768656	1.37E-08	1.67E-08	0.00E+00	3.03E-08	1.54E-08	2.42E-08	0.00E+00	3.97E-08	2.59E-09	4.13E-09	0.00E+00	6.72E-09	1.13E-09	1.66E-09	0.00E+00	2.79E-09
1014	442136.3	3768665	1.42E-08	1.73E-08	0.00E+00	3.15E-08	1.60E-08	2.51E-08	0.00E+00	4.11E-08	2.68E-09	4.28E-09	0.00E+00	6.96E-09	1.17E-09	1.72E-09	0.00E+00	2.89E-09
1015	442132.6	3768674	1.47E-08	1.79E-08	0.00E+00	3.26E-08	1.65E-08	2.60E-08	0.00E+00	4.25E-08	2.77E-09	4.43E-09	0.00E+00	7.21E-09	1.21E-09	1.78E-09	0.00E+00	2.99E-09
1016	442103.1	3768746	1.91E-08	2.32E-08	0.00E+00	4.23E-08	2.15E-08	3.38E-08	0.00E+00	5.53E-08	3.60E-09	5.76E-09	0.00E+00	9.37E-09	1.58E-09	2.31E-09	0.00E+00	3.88E-09
1017	442099.4	3768755	1.96E-08	2.39E-08	0.00E+00	4.35E-08	2.21E-08	3.48E-08	0.00E+00	5.69E-08	3.71E-09	5.93E-09	0.00E+00	9.63E-09	1.62E-09	2.37E-09	0.00E+00	4.00E-09
1018	442095.7	3768764	2.01E-08	2.46E-08	0.00E+00	4.47E-08	2.27E-08	3.57E-08	0.00E+00	5.84E-08	3.81E-09	6.08E-09	0.00E+00	9.89E-09	1.67E-09	2.44E-09	0.00E+00	4.10E-09
1019	442092	3768773	2.06E-08	2.52E-08	0.00E+00	4.58E-08	2.33E-08	3.66E-08	0.00E+00	5.99E-08	3.90E-09	6.24E-09	0.00E+00	1.01E-08	1.71E-09	2.50E-09	0.00E+00	4.21E-09
1020	442088.3	3768782	2.11E-08	2.58E-08	0.00E+00	4.69E-08	2.38E-08	3.75E-08	0.00E+00	6.13E-08	4.00E-09	6.39E-09	0.00E+00	1.04E-08	1.75E-09	2.56E-09	0.00E+00	4.31E-09
1021	442084.6	3768791	2.16E-08	2.63E-08	0.00E+00	4.80E-08	2.44E-08	3.83E-08	0.00E+00	6.27E-08	4.09E-09	6.53E-09	0.00E+00	1.06E-08	1.79E-09	2.62E-09	0.00E+00	4.40E-09
1022	442080.9	3768800	2.21E-08	2.69E-08	0.00E+00	4.90E-08	2.49E-08	3.91E-08	0.00E+00	6.40E-08	4.17E-09	6.67E-09	0.00E+00	1.08E-08	1.82E-09	2.67E-09	0.00E+00	4.49E-09
1023	442077.2	3768809	2.25E-08	2.74E-08	0.00E+00	4.99E-08	2.53E-08	3.98E-08	0.00E+00	6.52E-08	4.25E-09	6.79E-09	0.00E+00	1.10E-08	1.86E-09	2.72E-09	0.00E+00	4.58E-09
1024	442073.6	3768818	2.28E-08	2.79E-08	0.00E+00	5.07E-08	2.58E-08	4.05E-08	0.00E+00	6.62E-08	4.32E-09	6.90E-09	0.00E+00	1.12E-08	1.89E-09	2.77E-09	0.00E+00	4.65E-09
1025	442069.9	3768827	2.32E-08	2.83E-08	0.00E+00	5.14E-08	2.61E-08	4.11E-08	0.00E+00	6.72E-08	4.38E-09	7.00E-09	0.00E+00	1.14E-08	1.92E-09	2.81E-09	0.00E+00	4.72E-09
1026	442066.2	3768836	2.35E-08	2.86E-08	0.00E+00	5.21E-08	2.65E-08	4.16E-08	0.00E+00	6.80E-08	4.44E-09	7.09E-09	0.00E+00	1.15E-08	1.94E-09	2.84E-09	0.00E+00	4.78E-09
1027	442062.5	3768845	2.37E-08	2.89E-08	0.00E+00	5.26E-08	2.67E-08	4.20E-08	0.00E+00	6.88E-08	4.48E-09	7.17E-09	0.00E+00	1.17E-08	1.96E-09	2.87E-09	0.00E+00	4.83E-09
1028	442058.8	3768854	2.39E-08	2.92E-08	0.00E+00	5.31E-08	2.70E-08	4.24E-08	0.00E+00	6.94E-08	4.52E-09	7.23E-09	0.00E+00	1.18E-08	1.98E-09	2.90E-09	0.00E+00	4.88E-09
1029	442055.1	3768863	2.41E-08	2.94E-08	0.00E+00	5.35E-08	2.72E-08	4.27E-08	0.00E+00	6.99E-08	4.56E-09	7.28E-09	0.00E+00	1.18E-08	1.99E-09	2.92E-09	0.00E+00	4.91E-09
1030	442051.4	3768872	2.42E-08	2.95E-08	0.00E+00	5.38E-08	2.73E-08	4.29E-08	0.00E+00	7.02E-08	4.58E-09	7.32E-09	0.00E+00	1.19E-08	2.00E-09	2.93E-09	0.00E+00	4.94E-09
1031	441974	3769060	1.76E-08	2.15E-08	0.00E+00	3.92E-08	1.99E-08	3.13E-08	0.00E+00	5.12E-08	3.34E-09	5.33E-09	0.00E+00	8.67E-09	1.46E-09	2.14E-09	0.00E+00	3.60E-09
1032	441970.3	3769069	1.71E-08	2.08E-08	0.00E+00	3.79E-08	1.93E-08	3.03E-08	0.00E+00	4.95E-08	3.23E-09	5.16E-09	0.00E+00	8.39E-09	1.41E-09	2.07E-09	0.00E+00	3.48E-09
1033	441966.6	3769078	1.65E-08	2.01E-08	0.00E+00	3.66E-08	1.86E-08	2.92E-08	0.00E+00	4.79E-08	3.12E-09	4.99E-09	0.00E+00	8.11E-09	1.36E-09	2.00E-09	0.00E+00	3.36E-09
1034	441932.2	3769106	1.47E-08	1.80E-08	0.00E+00	3.27E-08	1.66E-08	2.61E-08	0.00E+00	4.27E-08	2.79E-09	4.45E-09	0.00E+00	7.24E-09	1.22E-09	1.78E-09	0.00E+00	3.00E-09
1035	441923.2	3769110	1.45E-08	1.77E-08	0.00E+00	3.22E-08	1.64E-08	2.57E-08	0.00E+00	4.21E-08	2.74E-09	4.38E-09	0.00E+00	7.13E-09	1.20E-09	1.76E-09	0.00E+00	2.96E-09
1036	441914.2	3769114	1.43E-08	1.74E-08	0.00E+00	3.17E-08	1.61E-08	2.53E-08	0.00E+00	4.14E-08	2.70E-09	4.31E-09	0.00E+00	7.01E-09	1.18E-09	1.73E-09	0.00E+00	2.91E-09
1037	441905.2	3769117	1.40E-08	1.71E-08	0.00E+00	3.11E-08	1.58E-08	2.49E-08	0.00E+00	4.07E-08	2.65E-09	4.24E-09	0.00E+00	6.89E-09	1.16E-09	1.70E-09	0.00E+00	2.86E-09
1038	441878.2	3769128	1.32E-08	1.61E-08	0.00E+00	2.94E-08	1.49E-08	2.35E-08	0.00E+00	3.84E-08	2.50E-09	4.00E-09	0.00E+00	6.50E-09	1.09E-09	1.60E-09	0.00E+00	2.70E-09
1039	441869.2	3769132	1.30E-08	1.58E-08	0.00E+00	2.88E-08	1.46E-08	2.30E-08	0.00E+00	3.76E-08	2.45E-09	3.92E-09	0.00E+00	6.37E-09	1.07E-09	1.57E-09	0.00E+00	2.64E-09
1040	441815.2	3769153	1.14E-08	1.39E-08	0.00E+00	2.53E-08	1.28E-08	2.02E-08	0.00E+00	3.30E-08	2.15E-09	3.44E-09	0.00E+00	5.59E-09	9.42E-10	1.38E-09	0.00E+00	2.32E-09
1041	441806.2	3769157	1.11E-08	1.36E-08	0.00E+00	2.47E-08	1.25E-08	1.97E-08	0.00E+00	3.23E-08	2.10E-09	3.36E-09	0.00E+00	5.46E-09	9.20E-10	1.35E-09	0.00E+00	2.27E-09
1042	441797.2	3769160	1.09E-08	1.33E-08	0.00E+00	2.41E-08	1.23E-08	1.93E-08	0.00E+00	3.15E-08	2.05E-09	3.28E-09	0.00E+00	5.34E-09	8.99E-10	1.32E-09	0.00E+00	2.21E-09
1043	441788.3	3769164	1.06E-08	1.29E-08	0.00E+00	2.36E-08	1.20E-08	1.88E-08	0.00E+00	3.08E-08	2.01E-09	3.21E-09	0.00E+00	5.21E-09	8.78E-10	1.28E-09	0.00E+00	2.16E-09
1044	441662.3	3769215	7.64E-09	9.31E-09	0.00E+00	1.70E-08	8.61E-09	1.35E-08	0.00E+00	2.22E-08	1.44E-09	2.31E-09	0.00E+00	3.75E-09	6.32E-10	9.25E-10	0.00E+00	1.56E-09
1045	441653.3	3769218	7.48E-09	9.12E-09	0.00E+00	1.66E-08	8.43E-09	1.33E-08	0.00E+00	2.17E-08	1.41E-09	2.26E-09	0.00E+00	3.67E-09	6.18E-10	9.05E-10	0.00E+00	1.52E-09
1046	441644.3	3769222	7.33E-09	8.93E-09	0.00E+00	1.63E-08	8.26E-09	1.30E-08	0.00E+00	2.12E-08	1.39E-09	2.21E-09	0.00E+00	3.60E-09	6.06E-10	8.87E-10	0.00E+00	1.49E-09
1047	441635.3	3769225	7.19E-09	8.76E-09	0.00E+00	1.59E-08	8.10E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.94E-10	8.70E-10	0.00E+00	1.46E-09
1048	441626.3	3769229	7.04E-09	8.59E-09	0.00E+00	1.56E-08	7.94E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.13E-09	0.00E+00	3.46E-09	5.82E-10	8.52E-10	0.00E+00	1.43E-09
1049	441617.3	3769233	6.89E-09	8.40E-09	0.00E+00	1.53E-08	7.77E-09	1.22E-08	0.00E+00	2.00E-08	1.30E-09	2.08E-09	0.00E+00	3.39E-09	5.70E-10	8.34E-10	0.00E+00	1.40E-09
1050	441608.3	3769236	6.75E-09	8.22E-09	0.00E+00	1.50E-08	7.60E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.31E-09	5.58E-10	8.16E-10	0.00E+00	1.37E-09
1051	441599.3	3769240	6.60E-09	8.05E-09	0.00E+00	1.47E-08	7.44E-09	1.17E-08	0.00E+00	1.91E-08	1.25E-09	1.99E-09	0.00E+00	3.24E-09	5.46E-10	7.99E-10	0.00E+00	1.34E-09
1052	441590.3	3769243	6.46E-09	7.87E-09	0.00E+00	1.43E-08	7.28E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.17E-09	5.34E-10	7.81E-10	0.00E+00	1.32E-09
1053	441581.3	3769247	6.31E-09	7.70E-09	0.00E+00	1.40E-08	7.12E-09	1.12E-08	0.00E+00	1.83E-08	1.19E-09	1.91E-09	0.00E+00	3.10E-09	5.22E-10	7.64E-10	0.00E+00	1.29E-09
1054	441572.3	3769251	6.18E-09	7.53E-09	0.00E+00	1.37E-08	6.96E-09	1.09E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.03E-09	5.11E-10	7.47E-10	0.00E+00	1.26E-09
1055	441563.3	3769254	6.04E-09	7.37E-09	0.00E+00	1.34E-08	6.81E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.83E-09	0.00E+00	2.97E-09	5.00E-10	7.31E-10	0.00E+00	1.23E-09
1056	441554.3	3769258	5.91E-09	7.21E-09	0.00E+00	1.31E-08	6.67E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.79E-09	0.00E+00	2.91E-09	4.89E-10	7.16E-10	0.00E+00	1.20E-09
1057	441545.3	3769261	5.79E-09	7.06E-09	0.00E+00	1.28E-08	6.53E-09	1.03E-08	0.00E+00	1.68E-08	1.09E-09	1.75E-09	0.00E+00	2.84E-09	4.79E-10	7.01E-10	0.00E+00	1.18E-09
1058	441536.3	3769265	5.67E-09	6.91E-09	0.00E+00	1.26E-08	6.39E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.69E-10	6.86E-10	0.00E+00	1.15E-09
1059	441527.3	3769269	5.55E-09	6.76E-09	0.00E+00	1.23E-08	6.25E-09	9.83E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.73E-09	4.59E-10	6.72E-10	0.00E+00	1.13E-09
1060	441518.3	3769272	5.43E-09	6.62E-09	0.00E+00	1.21E-08	6.12E-09	9.63E-09	0.00E+00	1.58E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.49E-10	6.57E-10	0.00E+00	1.11E-09
1061	441509.3	3769276	5.24E-09	6.39E-09	0.00E+00	1.16E-08	5.91E-09	9.29E-09	0.00E+00	1.52E-08	9.91E-10	1.58E-09	0.00E+00	2.58E-09	4.34E-10	6.35E-10	0.00E+00	1.07E-09
1062	441500.3	3769279	5.12E-09	6.25E-09	0.00E+00	1.14E-08	5.78E-09	9.08E-09	0.00E+00	1.49E-08	9.69E-10	1.55E-09	0.00E+00	2.52E-09	4.24E-10	6.20E-10	0.00E+00	1.04E-09
1063	441491.3	3769283	5.01E-09	6.10E-09	0.00E+00	1.11E-08	5.64E-09	8.87E-09	0.00E+00	1.45E-08	9.46E-10	1.51E-09	0.00E+00	2.46E-09	4.14E-10	6.06E-10	0.00E+00	1.02E-09
1064	442154.7	3768621	1.17E-08	1.43E-08	0.00E+00	2.60E-08	1.32E-08	2.07E-08	0.00E+00	3.39E-08	2.21E-09	3.53E-09	0.00E+00	5.75E-09	9.67E-10	1.42E-09	0.00E+00	2.38E-09
1065	442154.6	3768611	1.13E-08	1.38E-08	0.00E+00	2.50E-08	1.27E-08	2.00E-08	0.00E+00	3.27E-08	2.13E-09	3.41E-09	0.00E+00	5.54E-09	9.33E-10	1.37E-09	0.00E+00	2.30E-09
1066	442154.5	3768601	1.09E-08	1.33E-08	0.00E+00	2.41E-08	1.23E-08	1.93E-08	0.00E+00	3.15E-08	2.06E-09	3.29E-09	0.00E+00	5.34E-09	9.00E-10	1.32E-09	0.00E+00	2.22E-09
1067	442154.4	3768591	1.05E-08	1.28E-08	0.00E+00	2.32E-08	1.18E-08	1.86E-08	0.00E+00	3.04E-08	1.98E-09	3.16E-09	0.00E+00	5.14E-09	8.66E-10	1.27E-09	0.00E+00	2.13E-09
1068	442154.4	3768581	1.01E-08	1.23E-08	0.00E+00	2.23E-08	1.13E-08	1.78E-08	0.00E+00	2.92E-08	1.90E-09	3.04E-09	0.00E+00	4.94E-09	8.32E-10	1.22E-09	0.00E+00	2.05E-09
1069	442154.3	3768571	9.67E-09	1.18E-08	0.00E+00	2.15E-08	1.09E-08	1.71E-08	0.00E+00	2.80E-08	1.83E-09	2.92E-09	0.00E+00	4.75E-09	7.99E-10	1.17E-09	0.00E+00	1.97E-09
1070	442154.2	3768562	9.30E-09	1.13E-08	0.00E+00	2.06E-08	1.05E-08	1.65E-08	0.00E+00	2.70E-08	1.76E-09	2.81E-09	0.00E+00	4.57E-09	7.69E-10	1.13E-09	0.00E+00	1.89E-09
1071	442154.1	3768552	8.95E-09	1.09E-08	0.00E+00	1.99E-08	1.01E-08	1.59E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.39E-09	7.40E-10	1.08E-09	0.00E+00	1.82E-09
1072	442154	3768542	8.61E-09	1.05E-08	0.00E+00	1.91E-08	9.70E-09	1.53E-08	0.00E+00	2.50E-08	1.63E-09	2.60E-09	0.00E+00	4.23E-09	7.12E-10	1.04E-09	0.00E+00	1.75E-09
1073	442153.9	3768532	8.29E-09	1.01E-08	0.00E+00	1.84E-08	9.35E-09	1.47E-08	0.00E+00	2.40E-08	1.57E-09	2.51E-09	0.00E+00	4.07E-09	6.86E-10	1.00E-09	0.00E+00	1.69E-09
1074	442142.9	3768746	1.72E-08	2.10E-08	0.00E+00	3.83E-08	1.94E-08	3.05E-08	0.00E+00	5.00E-08	3.26E-09	5.21E-09	0.00E+00	8.47E-09	1.43E-09	2.09E-09	0.00E+00	3.51E-09
1075	442139.2	3768755	1.77E-08	2.16E-08	0.00E+00	3.94E-08	2.00E-08	3.14E-08	0.00E+00	5.14E-08	3.35E-09	5.36E-09	0.00E+00	8.71E-09	1.47E-09	2.15E-09	0.00E+00	3.61E-09
1076	442135.5	3768764	1.82E-08	2.22E-08	0.00E+00	4.04E-08	2.05E-08	3.23E-08	0.00E+00	5.28E-08	3.44E-09	5.50E-09	0.00E+00	8.95E-09	1.51E-09	2.20E-09	0.00E+00	3.71E-09
1077	442131.8	3768773	1.87E-08	2.28E-08	0.00E+00	4.15E-08	2.11E-08	3.31E-08	0.00E+00	5.42E-08	3.53E-09	5.65E-09	0.00E+00	9.18E-09	1.55E-09	2.26E-09	0.00E+00	3.81E-09
1078	442128.1	3768782	1.91E-08	2.33E-08	0.00E+00	4.25E-08	2.16E-08	3.39E-08	0.00E+00	5.55E-08	3.62E-09	5.78E-09	0.00E+00	9.40E-09	1.58E-09	2.32E-09	0.00E+00	3.90E-09
1079	442124.4	3768791	1.96E-08	2.39E-08	0.00E+00	4.35E-08	2.21E-08	3.47E-08	0.00E+00	5.68E-08	3.70E-09	5.92E-09	0.00E+00	9.62E-09	1.62E-09	2.37E-09	0.00E+00	3.99E-09
1080	442120.7	3768800	2.00E-08	2.44E-08	0.00E+00	4.44E-08	2.25E-08	3.54E-08	0.00E+00	5.80E-08	3.78E-09	6.04E-09	0.00E+00	9.82E-09	1.65E-09	2.42E-09	0.00E+00	4.07E-09
1081	442117	3768809	2.04E-08	2.49E-08	0.00E+00	4.53E-08	2.30E-08	3.61E-08	0.00E+00	5.91E-08	3.85E-09	6.16E-09	0.00E+00	1.00E-08	1.69E-09	2.47E-09	0.00E+00	4.15E-09
1082	442113.3	3768818	2.07E-08	2.53E-08	0.00E+00	4.60E-08	2.34E-08	3.68E-08	0.00E+00	6.01E-08	3.92E-09	6.27E-09	0.00E+00	1.02E-08	1.71E-09	2.51E-09	0.00E+00	4.23E-09
1083	442109.5	3768827	2.11E-08	2.57E-08	0.00E+00	4.67E-08	2.37E-08	3.73E-08	0.00E+00	6.11E-08	3.98E-09	6.36E-09	0.00E+00	1.03E-08	1.74E-09	2.55E-09	0.00E+00	4.29E-09
1084	442105.8	3768836	2.14E-08	2.60E-08	0.00E+00	4.74E-08	2.41E-08	3.78E-08	0.00E+00	6.19E-08	4.04E-09	6.45E-09	0.00E+00	1.05E-08	1.77E-09	2.58E-09	0.00E+00	4.35E-09
1085	442102.1	3768845	2.16E-08	2.63E-08	0.00E+00	4.80E-08	2.44E-08	3.83E-08	0.00E+00	6.27E-08	4.09E-09	6.53E-09	0.00E+00	1.06E-08	1.79E-09	2.62E-09	0.00E+00	4.40E-09
1086	442098.4	3768854	2.18E-08	2.66E-08	0.00E+00	4.84E-08	2.46E-08	3.87E-08	0.00E+00	6.33E-08	4.13E-09	6.59E-09	0.00E+00	1.07E-08	1.80E-09	2.64E-09	0.00E+00	4.45E-09
1087	442094.7	3768863	2.20E-08	2.68E-08	0.00E+00	4.88E-08	2.48E-08	3.90E-08	0.00E+00	6.38E-08	4.16E-09	6.65E-09	0.00E+00	1.08E-08	1.82E-09	2.66E-09	0.00E+00	4.48E-09
1088	442091	3768872	2.22E-08	2.70E-08	0.00E+00	4.92E-08	2.50E-08	3.93E-08	0.00E+00	6.42E-08	4.19E-09	6.69E-09	0.00E+00	1.09E-08	1.83E-09	2.68E-09	0.00E+00	4.51E-09
1089	441951.2	3769139	1.29E-08	1.57E-08	0.00E+00	2.86E-08	1.45E-08	2.28E-08	0.00E+00	3.74E-08	2.44E-09	3.89E-09	0.00E+00	6.33E-09	1.07E-09	1.56E-09	0.00E+00	2.63E-09
1090	441942.2	3769142	1.27E-08	1.54E-08	0.00E+00	2.81E-08	1.43E-08	2.24E-08	0.00E+00	3.67E-08	2.40E-09	3.83E-09	0.00E+00	6.22E-09	1.05E-09	1.53E-09	0.00E+00	2.58E-09
1091	441933.2	3769146	1.24E-08	1.52E-08	0.00E+00	2.76E-08	1.40E-08	2.20E-08	0.00E+00	3.61E-08	2.35E-09	3.76E-09	0.00E+00	6.11E-09	1.03E-09	1.51E-09	0.00E+00	2.53E-09
1092	441924.1	3769149	1.22E-08	1.49E-08	0.00E+00	2.71E-08	1.38E-08	2.16E-08	0.00E+00	3.54E-08	2.31E-09	3.69E-09	0.00E+00	6.00E-09	1.01E-09	1.48E-09	0.00E+00	2.49E-09
1093	441906.1	3769157	1.17E-08	1.43E-08	0.00E+00	2.60E-08	1.32E-08	2.08E-08	0.00E+00	3.40E-08	2.22E-09	3.54E-09	0.00E+00	5.76E-09	9.70E-10	1.42E-09	0.00E+00	2.39E-09
1094	441897	3769160	1.15E-08	1.40E-08	0.00E+00	2.55E-08	1.30E-08	2.04E-08	0.00E+00	3.33E-08	2.17E-09	3.47E-09	0.00E+00	5.64E-09	9.50E-10	1.39E-09	0.00E+00	2.34E-09
1095	441833.8	3769186	9.92E-09	1.21E-08	0.00E+00	2.20E-08	1.12E-08	1.76E-08	0.00E+00	2.88E-08	1.87E-09	3.00E-09	0.00E+00	4.87E-09	8.20E-10	1.20E-09	0.00E+00	2.02E-09
1096	441824.8	3769189	9.70E-09	1.18E-08	0.00E+00	2.15E-08	1.09E-08	1.72E-08	0.00E+00	2.81E-08	1.83E-09	2.93E-09	0.00E+00	4.76E-09	8.02E-10	1.17E-09	0.00E+00	1.98E-09
1097	441716.4	3769233	7.42E-09	9.05E-09	0.00E+00	1.65E-08	8.37E-09	1.32E-08	0.00E+00	2.15E-08	1.40E-09	2.24E-09	0.00E+00	3.65E-09	6.14E-10	8.99E-10	0.00E+00	1.51E-09
1098	441707.4	3769236	7.27E-09	8.86E-09	0.00E+00	1.61E-08	8.19E-09	1.29E-08	0.00E+00	2.11E-08	1.37E-09	2.20E-09	0.00E+00	3.57E-09	6.01E-10	8.79E-10	0.00E+00	1.48E-09
1099	441698.3	3769240	7.11E-09	8.67E-09	0.00E+00	1.58E-08	8.02E-09	1.26E-08	0.00E+00	2.06E-08	1.34E-09	2.15E-09	0.00E+00	3.49E-09	5.88E-10	8.61E-10	0.00E+00	1.45E-09
1100	441689.3	3769243	6.96E-09	8.49E-09	0.00E+00	1.55E-08	7.85E-09	1.23E-08	0.00E+00	2.02E-08	1.32E-09	2.10E-09	0.00E+00	3.42E-09	5.76E-10	8.43E-10	0.00E+00	1.42E-09
1101	441680.3	3769247	6.82E-09	8.31E-09	0.00E+00	1.51E-08	7.69E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.35E-09	5.64E-10	8.25E-10	0.00E+00	1.39E-09
1102	441671.2	3769251	6.68E-09	8.14E-09	0.00E+00	1.48E-08	7.53E-09	1.18E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.52E-10	8.08E-10	0.00E+00	1.36E-09
1103	441662.2	3769254	6.54E-09	7.98E-09	0.00E+00	1.45E-08	7.37E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.21E-09	5.41E-10	7.92E-10	0.00E+00	1.33E-09
1104	441653.2	3769258	6.41E-09	7.82E-09	0.00E+00	1.42E-08	7.23E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.30E-10	7.76E-10	0.00E+00	1.31E-09
1105	441644.2	3769261	6.29E-09	7.66E-09	0.00E+00	1.39E-08	7.09E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.90E-09	0.00E+00	3.09E-09	5.20E-10	7.61E-10	0.00E+00	1.28E-09
1106	441635.1	3769265	6.16E-09	7.51E-09	0.00E+00	1.37E-08	6.95E-09	1.09E-08	0.00E+00	1.79E-08	1.16E-09	1.86E-09	0.00E+00	3.03E-09	5.09E-10	7.46E-10	0.00E+00	1.26E-09
1107	441626.1	3769269	6.04E-09	7.36E-09	0.00E+00	1.34E-08	6.81E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.83E-09	0.00E+00	2.97E-09	5.00E-10	7.31E-10	0.00E+00	1.23E-09
1108	441617.1	3769272	5.92E-09	7.22E-09	0.00E+00	1.31E-08	6.68E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.79E-09	0.00E+00	2.91E-09	4.90E-10	7.17E-10	0.00E+00	1.21E-09
1109	441608	3769276	5.81E-09	7.08E-09	0.00E+00	1.29E-08	6.55E-09	1.03E-08	0.00E+00	1.68E-08	1.10E-09	1.76E-09	0.00E+00	2.85E-09	4.80E-10	7.03E-10	0.00E+00	1.18E-09
1110	441599	3769280	5.69E-09	6.94E-09	0.00E+00	1.26E-08	6.42E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.71E-10	6.89E-10	0.00E+00	1.16E-09
1111	441590	3769283	5.49E-09	6.70E-09	0.00E+00	1.22E-08	6.19E-09	9.73E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.54E-10	6.65E-10	0.00E+00	1.12E-09
1112	441580.9	3769287	5.37E-09	6.55E-09	0.00E+00	1.19E-08	6.05E-09	9.52E-09	0.00E+00	1.56E-08	1.02E-09	1.62E-09	0.00E+00	2.64E-09	4.44E-10	6.50E-10	0.00E+00	1.09E-09
1113	441571.9	3769290	5.25E-09	6.40E-09	0.00E+00	1.17E-08	5.92E-09	9.31E-09	0.00E+00	1.52E-08	9.93E-10	1.59E-09	0.00E+00	2.58E-09	4.34E-10	6.36E-10	0.00E+00	1.07E-09
1114	441562.9	3769294	5.14E-09	6.27E-09	0.00E+00	1.14E-08	5.80E-09	9.12E-09	0.00E+00	1.49E-08	9.73E-10	1.55E-09	0.00E+00	2.53E-09	4.25E-10	6.23E-10	0.00E+00	1.05E-09
1115	441553.8	3769298	5.04E-09	6.14E-09	0.00E+00	1.12E-08	5.68E-09	8.93E-09	0.00E+00	1.46E-08	9.52E-10	1.52E-09	0.00E+00	2.47E-09	4.17E-10	6.10E-10	0.00E+00	1.03E-09
1116	441544.8	3769301	4.93E-09	6.01E-09	0.00E+00	1.09E-08	5.56E-09	8.74E-09	0.00E+00	1.43E-08	9.32E-10	1.49E-09	0.00E+00	2.42E-09	4.08E-10	5.97E-10	0.00E+00	1.00E-09
1117	441535.8	3769305	4.83E-09	5.88E-09	0.00E+00	1.07E-08	5.44E-09	8.55E-09	0.00E+00	1.40E-08	9.12E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.84E-10	0.00E+00	9.83E-10

1118	441526.7	3769309	4.72E-09	5.76E-09	0.00E+00	1.05E-08	5.32E-09	8.37E-09	0.00E+00	1.37E-08	8.93E-10	1.43E-09	0.00E+00	2.32E-09	3.90E-10	5.72E-10	0.00E+00	9.62E-10
1119	441517.7	3769312	4.62E-09	5.63E-09	0.00E+00	1.03E-08	5.21E-09	8.19E-09	0.00E+00	1.34E-08	8.74E-10	1.40E-09	0.00E+00	2.27E-09	3.82E-10	5.59E-10	0.00E+00	9.41E-10
1120	441508.7	3769316	4.52E-09	5.51E-09	0.00E+00	1.00E-08	5.10E-09	8.01E-09	0.00E+00	1.31E-08	8.55E-10	1.37E-09	0.00E+00	2.22E-09	3.74E-10	5.47E-10	0.00E+00	9.21E-10
1121	441499.6	3769319	4.43E-09	5.40E-09	0.00E+00	9.82E-09	4.99E-09	7.84E-09	0.00E+00	1.28E-08	8.37E-10	1.34E-09	0.00E+00	2.17E-09	3.66E-10	5.36E-10	0.00E+00	9.02E-10
1122	441490.6	3769323	4.34E-09	5.29E-09	0.00E+00	9.62E-09	4.89E-09	7.69E-09	0.00E+00	1.26E-08	8.20E-10	1.31E-09	0.00E+00	2.13E-09	3.59E-10	5.25E-10	0.00E+00	8.84E-10
1123	442193.9	3768532	7.68E-09	9.36E-09	0.00E+00	1.70E-08	8.66E-09	1.36E-08	0.00E+00	2.23E-08	1.45E-09	2.32E-09	0.00E+00	3.77E-09	6.35E-10	9.30E-10	0.00E+00	1.56E-09
1124	442182.7	3768746	1.57E-08	1.91E-08	0.00E+00	3.48E-08	1.77E-08	2.78E-08	0.00E+00	4.55E-08	2.97E-09	4.74E-09	0.00E+00	7.70E-09	1.30E-09	1.90E-09	0.00E+00	3.20E-09
1125	442179	3768755	1.61E-08	1.96E-08	0.00E+00	3.58E-08	1.82E-08	2.86E-08	0.00E+00	4.67E-08	3.05E-09	4.87E-09	0.00E+00	7.91E-09	1.33E-09	1.95E-09	0.00E+00	3.28E-09
1126	442175.3	3768764	1.65E-08	2.02E-08	0.00E+00	3.67E-08	1.86E-08	2.93E-08	0.00E+00	4.80E-08	3.13E-09	5.00E-09	0.00E+00	8.13E-09	1.37E-09	2.00E-09	0.00E+00	3.37E-09
1127	442171.6	3768773	1.70E-08	2.07E-08	0.00E+00	3.76E-08	1.91E-08	3.01E-08	0.00E+00	4.92E-08	3.21E-09	5.12E-09	0.00E+00	8.33E-09	1.40E-09	2.05E-09	0.00E+00	3.46E-09
1128	442167.8	3768782	1.74E-08	2.12E-08	0.00E+00	3.86E-08	1.96E-08	3.08E-08	0.00E+00	5.04E-08	3.29E-09	5.25E-09	0.00E+00	8.54E-09	1.44E-09	2.10E-09	0.00E+00	3.54E-09
1129	442164.1	3768791	1.78E-08	2.17E-08	0.00E+00	3.95E-08	2.01E-08	3.15E-08	0.00E+00	5.16E-08	3.36E-09	5.38E-09	0.00E+00	8.74E-09	1.47E-09	2.15E-09	0.00E+00	3.63E-09
1130	442160.4	3768800	1.82E-08	2.22E-08	0.00E+00	4.04E-08	2.05E-08	3.22E-08	0.00E+00	5.28E-08	3.44E-09	5.50E-09	0.00E+00	8.94E-09	1.50E-09	2.20E-09	0.00E+00	3.71E-09
1131	442156.7	3768809	1.86E-08	2.26E-08	0.00E+00	4.12E-08	2.09E-08	3.29E-08	0.00E+00	5.39E-08	3.51E-09	5.61E-09	0.00E+00	9.12E-09	1.54E-09	2.25E-09	0.00E+00	3.78E-09
1132	442153	3768818	1.89E-08	2.31E-08	0.00E+00	4.20E-08	2.13E-08	3.35E-08	0.00E+00	5.48E-08	3.58E-09	5.71E-09	0.00E+00	9.29E-09	1.56E-09	2.29E-09	0.00E+00	3.85E-09
1133	442149.3	3768827	1.92E-08	2.34E-08	0.00E+00	4.27E-08	2.17E-08	3.41E-08	0.00E+00	5.57E-08	3.63E-09	5.81E-09	0.00E+00	9.44E-09	1.59E-09	2.33E-09	0.00E+00	3.92E-09
1134	442145.5	3768837	1.95E-08	2.38E-08	0.00E+00	4.33E-08	2.20E-08	3.46E-08	0.00E+00	5.66E-08	3.69E-09	5.90E-09	0.00E+00	9.59E-09	1.61E-09	2.36E-09	0.00E+00	3.98E-09
1135	442141.8	3768846	1.98E-08	2.41E-08	0.00E+00	4.39E-08	2.23E-08	3.50E-08	0.00E+00	5.73E-08	3.74E-09	5.98E-09	0.00E+00	9.71E-09	1.64E-09	2.39E-09	0.00E+00	4.03E-09
1136	442138.1	3768855	2.00E-08	2.44E-08	0.00E+00	4.44E-08	2.26E-08	3.55E-08	0.00E+00	5.80E-08	3.78E-09	6.04E-09	0.00E+00	9.83E-09	1.65E-09	2.42E-09	0.00E+00	4.08E-09
1137	442134.4	3768864	2.02E-08	2.46E-08	0.00E+00	4.48E-08	2.28E-08	3.58E-08	0.00E+00	5.86E-08	3.82E-09	6.10E-09	0.00E+00	9.92E-09	1.67E-09	2.45E-09	0.00E+00	4.12E-09
1138	442052.7	3769062	1.67E-08	2.03E-08	0.00E+00	3.70E-08	1.88E-08	2.95E-08	0.00E+00	4.83E-08	3.15E-09	5.03E-09	0.00E+00	8.18E-09	1.38E-09	2.02E-09	0.00E+00	3.39E-09
1139	441979.3	3769167	1.15E-08	1.40E-08	0.00E+00	2.55E-08	1.29E-08	2.04E-08	0.00E+00	3.33E-08	2.17E-09	3.47E-09	0.00E+00	5.64E-09	9.50E-10	1.39E-09	0.00E+00	2.34E-09
1140	441970.2	3769171	1.13E-08	1.38E-08	0.00E+00	2.50E-08	1.27E-08	2.00E-08	0.00E+00	3.27E-08	2.13E-09	3.41E-09	0.00E+00	5.54E-09	9.33E-10	1.37E-09	0.00E+00	2.30E-09
1141	441961.1	3769174	1.11E-08	1.35E-08	0.00E+00	2.46E-08	1.25E-08	1.96E-08	0.00E+00	3.21E-08	2.10E-09	3.35E-09	0.00E+00	5.44E-09	9.17E-10	1.34E-09	0.00E+00	2.26E-09
1142	441952.1	3769178	1.09E-08	1.33E-08	0.00E+00	2.42E-08	1.23E-08	1.93E-08	0.00E+00	3.16E-08	2.06E-09	3.29E-09	0.00E+00	5.35E-09	9.00E-10	1.32E-09	0.00E+00	2.22E-09
1143	441933.9	3769185	1.05E-08	1.28E-08	0.00E+00	2.33E-08	1.18E-08	1.86E-08	0.00E+00	3.04E-08	1.98E-09	3.17E-09	0.00E+00	5.15E-09	8.67E-10	1.27E-09	0.00E+00	2.14E-09
1144	441924.9	3769189	1.03E-08	1.25E-08	0.00E+00	2.28E-08	1.16E-08	1.82E-08	0.00E+00	2.98E-08	1.94E-09	3.11E-09	0.00E+00	5.05E-09	8.51E-10	1.24E-09	0.00E+00	2.10E-09
1145	441834.3	3769225	8.35E-09	1.02E-08	0.00E+00	1.85E-08	9.41E-09	1.48E-08	0.00E+00	2.42E-08	1.58E-09	2.52E-09	0.00E+00	4.10E-09	6.90E-10	1.01E-09	0.00E+00	1.70E-09
1146	441825.2	3769229	8.17E-09	9.96E-09	0.00E+00	1.81E-08	9.21E-09	1.45E-08	0.00E+00	2.37E-08	1.55E-09	2.47E-09	0.00E+00	4.01E-09	6.76E-10	9.89E-10	0.00E+00	1.67E-09
1147	441816.1	3769232	8.00E-09	9.75E-09	0.00E+00	1.78E-08	9.02E-09	1.42E-08	0.00E+00	2.32E-08	1.51E-09	2.42E-09	0.00E+00	3.93E-09	6.62E-10	9.68E-10	0.00E+00	1.63E-09
1148	441807.1	3769236	7.83E-09	9.55E-09	0.00E+00	1.74E-08	8.83E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.37E-09	0.00E+00	3.85E-09	6.48E-10	9.48E-10	0.00E+00	1.60E-09
1149	441798	3769240	7.67E-09	9.35E-09	0.00E+00	1.70E-08	8.64E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.32E-09	0.00E+00	3.77E-09	6.34E-10	9.28E-10	0.00E+00	1.56E-09
1150	441734.6	3769265	6.64E-09	8.09E-09	0.00E+00	1.47E-08	7.48E-09	1.18E-08	0.00E+00	1.92E-08	1.25E-09	2.01E-09	0.00E+00	3.26E-09	5.49E-10	8.03E-10	0.00E+00	1.35E-09
1151	441725.5	3769269	6.51E-09	7.94E-09	0.00E+00	1.45E-08	7.34E-09	1.15E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.38E-10	7.88E-10	0.00E+00	1.33E-09
1152	441716.4	3769272	6.39E-09	7.79E-09	0.00E+00	1.42E-08	7.20E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.28E-10	7.73E-10	0.00E+00	1.30E-09
1153	441707.4	3769276	6.26E-09	7.63E-09	0.00E+00	1.39E-08	7.05E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.17E-10	7.57E-10	0.00E+00	1.27E-09
1154	441698.3	3769279	6.13E-09	7.48E-09	0.00E+00	1.36E-08	6.91E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.85E-09	0.00E+00	3.01E-09	5.07E-10	7.42E-10	0.00E+00	1.25E-09
1155	441689.3	3769283	5.88E-09	7.17E-09	0.00E+00	1.31E-08	6.63E-09	1.04E-08	0.00E+00	1.71E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.86E-10	7.12E-10	0.00E+00	1.20E-09
1156	441680.2	3769287	5.77E-09	7.03E-09	0.00E+00	1.28E-08	6.50E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.77E-10	6.98E-10	0.00E+00	1.18E-09
1157	441671.1	3769290	5.66E-09	6.91E-09	0.00E+00	1.26E-08	6.39E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.86E-10	0.00E+00	1.15E-09
1158	441662.1	3769294	5.57E-09	6.79E-09	0.00E+00	1.24E-08	6.28E-09	9.87E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.73E-09	4.60E-10	6.74E-10	0.00E+00	1.13E-09
1159	441653	3769298	5.48E-09	6.68E-09	0.00E+00	1.22E-08	6.17E-09	9.70E-09	0.00E+00	1.59E-08	1.04E-09	1.65E-09	0.00E+00	2.69E-09	4.53E-10	6.63E-10	0.00E+00	1.12E-09
1160	441644	3769301	5.39E-09	6.57E-09	0.00E+00	1.20E-08	6.08E-09	9.55E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.65E-09	4.46E-10	6.52E-10	0.00E+00	1.10E-09
1161	441634.9	3769305	5.38E-09	6.56E-09	0.00E+00	1.19E-08	6.07E-09	9.54E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.64E-09	4.45E-10	6.52E-10	0.00E+00	1.10E-09
1162	441625.8	3769309	5.29E-09	6.45E-09	0.00E+00	1.17E-08	5.96E-09	9.37E-09	0.00E+00	1.53E-08	1.00E-09	1.60E-09	0.00E+00	2.60E-09	4.37E-10	6.40E-10	0.00E+00	1.08E-09
1163	441616.8	3769312	5.19E-09	6.33E-09	0.00E+00	1.15E-08	5.85E-09	9.20E-09	0.00E+00	1.51E-08	9.82E-10	1.57E-09	0.00E+00	2.55E-09	4.29E-10	6.29E-10	0.00E+00	1.06E-09
1164	441607.7	3769316	5.10E-09	6.21E-09	0.00E+00	1.13E-08	5.75E-09	9.03E-09	0.00E+00	1.48E-08	9.64E-10	1.54E-09	0.00E+00	2.50E-09	4.22E-10	6.17E-10	0.00E+00	1.04E-09
1165	441598.6	3769319	5.00E-09	6.10E-09	0.00E+00	1.11E-08	5.64E-09	8.86E-09	0.00E+00	1.45E-08	9.46E-10	1.51E-09	0.00E+00	2.46E-09	4.14E-10	6.05E-10	0.00E+00	1.02E-09
1166	441589.6	3769323	4.83E-09	5.89E-09	0.00E+00	1.07E-08	5.45E-09	8.56E-09	0.00E+00	1.40E-08	9.14E-10	1.46E-09	0.00E+00	2.37E-09	4.00E-10	5.85E-10	0.00E+00	9.84E-10
1167	441580.5	3769327	4.73E-09	5.76E-09	0.00E+00	1.05E-08	5.33E-09	8.37E-09	0.00E+00	1.37E-08	8.93E-10	1.43E-09	0.00E+00	2.32E-09	3.91E-10	5.72E-10	0.00E+00	9.63E-10
1168	441571.5	3769330	4.62E-09	5.63E-09	0.00E+00	1.03E-08	5.21E-09	8.19E-09	0.00E+00	1.34E-08	8.73E-10	1.40E-09	0.00E+00	2.27E-09	3.82E-10	5.59E-10	0.00E+00	9.41E-10
1169	441562.4	3769334	4.52E-09	5.52E-09	0.00E+00	1.00E-08	5.10E-09	8.02E-09	0.00E+00	1.31E-08	8.55E-10	1.37E-09	0.00E+00	2.22E-09	3.74E-10	5.48E-10	0.00E+00	9.22E-10
1170	441553.3	3769338	4.43E-09	5.40E-09	0.00E+00	9.83E-09	4.99E-09	7.85E-09	0.00E+00	1.28E-08	8.37E-10	1.34E-09	0.00E+00	2.18E-09	3.66E-10	5.36E-10	0.00E+00	9.02E-10
1171	441544.3	3769341	4.33E-09	5.28E-09	0.00E+00	9.62E-09	4.89E-09	7.68E-09	0.00E+00	1.26E-08	8.19E-10	1.31E-09	0.00E+00	2.13E-09	3.58E-10	5.25E-10	0.00E+00	8.83E-10
1172	441535.2	3769345	4.25E-09	5.18E-09	0.00E+00	9.42E-09	4.79E-09	7.52E-09	0.00E+00	1.23E-08	8.03E-10	1.28E-09	0.00E+00	2.09E-09	3.51E-10	5.14E-10	0.00E+00	8.65E-10
1173	441526.1	3769348	4.17E-09	5.08E-09	0.00E+00	9.24E-09	4.70E-09	7.38E-09	0.00E+00	1.21E-08	7.88E-10	1.26E-09	0.00E+00	2.05E-09	3.44E-10	5.04E-10	0.00E+00	8.49E-10
1174	441517.1	3769352	4.09E-09	4.99E-09	0.00E+00	9.07E-09	4.61E-09	7.25E-09	0.00E+00	1.19E-08	7.73E-10	1.24E-09	0.00E+00	2.01E-09	3.38E-10	4.95E-10	0.00E+00	8.33E-10
1175	441508	3769356	4.02E-09	4.90E-09	0.00E+00	8.91E-09	4.53E-09	7.12E-09	0.00E+00	1.16E-08	7.59E-10	1.21E-09	0.00E+00	1.97E-09	3.32E-10	4.86E-10	0.00E+00	8.18E-10
1176	442222.5	3768746	1.44E-08	1.75E-08	0.00E+00	3.19E-08	1.62E-08	2.55E-08	0.00E+00	4.16E-08	2.72E-09	4.34E-09	0.00E+00	7.05E-09	1.19E-09	1.74E-09	0.00E+00	2.93E-09
1177	442218.8	3768755	1.48E-08	1.80E-08	0.00E+00	3.28E-08	1.66E-08	2.62E-08	0.00E+00	4.28E-08	2.79E-09	4.46E-09	0.00E+00	7.25E-09	1.22E-09	1.79E-09	0.00E+00	3.01E-09
1178	442215.1	3768764	1.52E-08	1.85E-08	0.00E+00	3.36E-08	1.71E-08	2.69E-08	0.00E+00	4.39E-08	2.87E-09	4.58E-09	0.00E+00	7.44E-09	1.25E-09	1.83E-09	0.00E+00	3.09E-09
1179	442211.4	3768773	1.55E-08	1.90E-08	0.00E+00	3.45E-08	1.75E-08	2.75E-08	0.00E+00	4.51E-08	2.94E-09	4.70E-09	0.00E+00	7.63E-09	1.29E-09	1.88E-09	0.00E+00	3.17E-09
1180	442207.6	3768782	1.59E-08	1.94E-08	0.00E+00	3.53E-08	1.79E-08	2.82E-08	0.00E+00	4.62E-08	3.01E-09	4.81E-09	0.00E+00	7.82E-09	1.32E-09	1.93E-09	0.00E+00	3.24E-09
1181	442203.9	3768792	1.63E-08	1.98E-08	0.00E+00	3.61E-08	1.83E-08	2.88E-08	0.00E+00	4.72E-08	3.08E-09	4.92E-09	0.00E+00	8.00E-09	1.35E-09	1.97E-09	0.00E+00	3.32E-09
1182	442200.2	3768801	1.66E-08	2.03E-08	0.00E+00	3.69E-08	1.87E-08	2.95E-08	0.00E+00	4.82E-08	3.14E-09	5.02E-09	0.00E+00	8.16E-09	1.37E-09	2.01E-09	0.00E+00	3.39E-09
1183	442196.4	3768810	1.70E-08	2.07E-08	0.00E+00	3.76E-08	1.91E-08	3.00E-08	0.00E+00	4.92E-08	3.21E-09	5.12E-09	0.00E+00	8.33E-09	1.40E-09	2.05E-09	0.00E+00	3.45E-09
1184	442192.7	3768819	1.73E-08	2.11E-08	0.00E+00	3.83E-08	1.95E-08	3.06E-08	0.00E+00	5.01E-08	3.27E-09	5.22E-09	0.00E+00	8.48E-09	1.43E-09	2.09E-09	0.00E+00	3.52E-09
1185	442189	3768828	1.76E-08	2.14E-08	0.00E+00	3.90E-08	1.98E-08	3.11E-08	0.00E+00	5.09E-08	3.32E-09	5.31E-09	0.00E+00	8.63E-09	1.45E-09	2.13E-09	0.00E+00	3.58E-09
1186	442185.3	3768837	1.79E-08	2.18E-08	0.00E+00	3.96E-08	2.01E-08	3.16E-08	0.00E+00	5.18E-08	3.37E-09	5.39E-09	0.00E+00	8.77E-09	1.48E-09	2.16E-09	0.00E+00	3.64E-09
1187	442181.5	3768846	1.81E-08	2.21E-08	0.00E+00	4.02E-08	2.04E-08	3.21E-08	0.00E+00	5.25E-08	3.42E-09	5.47E-09	0.00E+00	8.90E-09	1.50E-09	2.19E-09	0.00E+00	3.69E-09
1188	442177.8	3768855	1.84E-08	2.24E-08	0.00E+00	4.07E-08	2.07E-08	3.25E-08	0.00E+00	5.32E-08	3.47E-09	5.55E-09	0.00E+00	9.02E-09	1.52E-09	2.22E-09	0.00E+00	3.74E-09
1189	442174.1	3768864	1.86E-08	2.27E-08	0.00E+00	4.12E-08	2.09E-08	3.29E-08	0.00E+00	5.39E-08	3.51E-09	5.61E-09	0.00E+00	9.13E-09	1.54E-09	2.25E-09	0.00E+00	3.79E-09
1190	442095.8	3769054	1.65E-08	2.01E-08	0.00E+00	3.66E-08	1.86E-08	2.92E-08	0.00E+00	4.78E-08	3.12E-09	4.98E-09	0.00E+00	8.10E-09	1.36E-09	2.00E-09	0.00E+00	3.36E-09
1191	442092.1	3769063	1.61E-08	1.97E-08	0.00E+00	3.58E-08	1.82E-08	2.86E-08	0.00E+00	4.68E-08	3.05E-09	4.88E-09	0.00E+00	7.93E-09	1.33E-09	1.95E-09	0.00E+00	3.29E-09
1192	442088.4	3769072	1.58E-08	1.92E-08	0.00E+00	3.50E-08	1.78E-08	2.79E-08	0.00E+00	4.57E-08	2.98E-09	4.76E-09	0.00E+00	7.75E-09	1.30E-09	1.91E-09	0.00E+00	3.21E-09
1193	442084.6	3769081	1.54E-08	1.88E-08	0.00E+00	3.42E-08	1.73E-08	2.73E-08	0.00E+00	4.46E-08	2.91E-09	4.65E-09	0.00E+00	7.56E-09	1.27E-09	1.86E-09	0.00E+00	3.14E-09
1194	442080.9	3769090	1.50E-08	1.83E-08	0.00E+00	3.33E-08	1.69E-08	2.66E-08	0.00E+00	4.35E-08	2.84E-09	4.53E-09	0.00E+00	7.37E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
1195	442077.2	3769099	1.46E-08	1.78E-08	0.00E+00	3.24E-08	1.65E-08	2.59E-08	0.00E+00	4.23E-08	2.76E-09	4.41E-09	0.00E+00	7.17E-09	1.21E-09	1.77E-09	0.00E+00	2.98E-09
1196	442073.5	3769108	1.42E-08	1.73E-08	0.00E+00	3.15E-08	1.60E-08	2.52E-08	0.00E+00	4.12E-08	2.68E-09	4.29E-09	0.00E+00	6.98E-09	1.17E-09	1.72E-09	0.00E+00	2.89E-09
1197	442069.7	3769118	1.38E-08	1.68E-08	0.00E+00	3.06E-08	1.55E-08	2.44E-08	0.00E+00	4.00E-08	2.61E-09	4.17E-09	0.00E+00	6.78E-09	1.14E-09	1.67E-09	0.00E+00	2.81E-09
1198	442066	3769127	1.34E-08	1.63E-08	0.00E+00	2.97E-08	1.51E-08	2.37E-08	0.00E+00	3.88E-08	2.53E-09	4.05E-09	0.00E+00	6.58E-09	1.11E-09	1.62E-09	0.00E+00	2.73E-09
1199	442062.3	3769136	1.30E-08	1.58E-08	0.00E+00	2.88E-08	1.46E-08	2.30E-08	0.00E+00	3.77E-08	2.46E-09	3.92E-09	0.00E+00	6.38E-09	1.07E-09	1.57E-09	0.00E+00	2.65E-09
1200	442058.6	3769145	1.26E-08	1.53E-08	0.00E+00	2.79E-08	1.42E-08	2.23E-08	0.00E+00	3.65E-08	2.38E-09	3.80E-09	0.00E+00	6.18E-09	1.04E-09	1.52E-09	0.00E+00	2.56E-09
1201	442054.8	3769154	1.22E-08	1.49E-08	0.00E+00	2.70E-08	1.37E-08	2.16E-08	0.00E+00	3.53E-08	2.30E-09	3.68E-09	0.00E+00	5.99E-09	1.01E-09	1.47E-09	0.00E+00	2.48E-09
1202	441880	3769246	7.88E-09	9.60E-09	0.00E+00	1.75E-08	8.88E-09	1.40E-08	0.00E+00	2.28E-08	1.49E-09	2.38E-09	0.00E+00	3.87E-09	6.51E-10	9.53E-10	0.00E+00	1.60E-09
1203	441870.9	3769250	7.72E-09	9.42E-09	0.00E+00	1.71E-08	8.71E-09	1.37E-08	0.00E+00	2.24E-08	1.46E-09	2.33E-09	0.00E+00	3.79E-09	6.39E-10	9.35E-10	0.00E+00	1.57E-09
1204	441861.9	3769254	7.57E-09	9.23E-09	0.00E+00	1.68E-08	8.54E-09	1.34E-08	0.00E+00	2.20E-08	1.43E-09	2.29E-09	0.00E+00	3.72E-09	6.26E-10	9.17E-10	0.00E+00	1.54E-09
1205	441852.8	3769257	7.43E-09	9.05E-09	0.00E+00	1.65E-08	8.37E-09	1.32E-08	0.00E+00	2.15E-08	1.40E-09	2.24E-09	0.00E+00	3.65E-09	6.14E-10	8.99E-10	0.00E+00	1.51E-09
1206	441843.7	3769261	7.28E-09	8.88E-09	0.00E+00	1.62E-08	8.21E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.58E-09	6.02E-10	8.81E-10	0.00E+00	1.48E-09
1207	441834.6	3769265	7.14E-09	8.70E-09	0.00E+00	1.58E-08	8.04E-09	1.26E-08	0.00E+00	2.07E-08	1.35E-09	2.16E-09	0.00E+00	3.50E-09	5.90E-10	8.64E-10	0.00E+00	1.45E-09
1208	441825.5	3769268	6.99E-09	8.52E-09	0.00E+00	1.55E-08	7.88E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.11E-09	0.00E+00	3.43E-09	5.78E-10	8.46E-10	0.00E+00	1.42E-09
1209	441761.9	3769294	6.09E-09	7.43E-09	0.00E+00	1.35E-08	6.87E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.04E-10	7.37E-10	0.00E+00	1.24E-09
1210	441752.8	3769297	5.97E-09	7.28E-09	0.00E+00	1.33E-08	6.73E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.93E-09	4.94E-10	7.23E-10	0.00E+00	1.22E-09
1211	441743.7	3769301	5.86E-09	7.15E-09	0.00E+00	1.30E-08	6.61E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.77E-09	0.00E+00	2.88E-09	4.85E-10	7.09E-10	0.00E+00	1.19E-09
1212	441734.6	3769305	5.61E-09	6.85E-09	0.00E+00	1.25E-08	6.33E-09	9.95E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.64E-10	6.80E-10	0.00E+00	1.14E-09
1213	441725.5	3769308	5.50E-09	6.70E-09	0.00E+00	1.22E-08	6.20E-09	9.74E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.54E-10	6.65E-10	0.00E+00	1.12E-09
1214	441716.4	3769312	5.38E-09	6.56E-09	0.00E+00	1.19E-08	6.07E-09	9.54E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.64E-09	4.45E-10	6.51E-10	0.00E+00	1.10E-09
1215	441707.3	3769316	5.28E-09	6.44E-09	0.00E+00	1.17E-08	5.95E-09	9.35E-09	0.00E+00	1.53E-08	9.98E-10	1.59E-09	0.00E+00	2.59E-09	4.36E-10	6.39E-10	0.00E+00	1.08E-09
1216	441698.2	3769319	5.18E-09	6.32E-09	0.00E+00	1.15E-08	5.84E-09	9.19E-09	0.00E+00	1.50E-08	9.80E-10	1.57E-09	0.00E+00	2.55E-09	4.29E-10	6.27E-10	0.00E+00	1.06E-09
1217	441689.1	3769323	5.10E-09	6.22E-09	0.00E+00	1.13E-08	5.75E-09	9.04E-09	0.00E+00	1.48E-08	9.64E-10	1.54E-09	0.00E+00	2.51E-09	4.22E-10	6.17E-10	0.00E+00	1.04E-09
1218	441680.1	3769327	5.04E-09	6.14E-09	0.00E+00	1.12E-08	5.68E-09	8.93E-09	0.00E+00	1.46E-08	9.53E-10	1.52E-09	0.00E+00	2.48E-09	4.17E-10	6.10E-10	0.00E+00	1.03E-09
1219	441671	3769330	4.98E-09	6.07E-09	0.00E+00	1.10E-08	5.61E-09	8.82E-09	0.00E+00	1.44E-08	9.41E-10	1.50E-09	0.00E+00	2.44E-09	4.12E-10	6.02E-10	0.00E+00	1.01E-09
1220	441661.9	3769334	4.91E-09	5.99E-09	0.00E+00	1.09E-08	5.54E-09	8.71E-09	0.00E+00	1.42E-08	9.29E-10	1.48E-09	0.00E+00	2.41E-09	4.06E-10	5.95E-10	0.00E+00	1.00E-09
1221	441652.8	3769337	4.85E-09	5.91E-09	0.00E+00	1.08E-08	5.46E-09	8.59E-09	0.00E+00	1.41E-08	9.16E-10	1.46E-09	0.00E+00	2.38E-09	4.01E-10	5.87E-10	0.00E+00	9.88E-10
1222	441643.7	3769341	4.84E-09	5.90E-09	0.00E+00	1.07E-08	5.45E-09	8.57E-09	0.00E+00	1.40E-08	9.15E-10	1.46E-09	0.00E+00	2.38E-09	4.00E-10	5.86E-10	0.00E+00	9.86E-10
1223	441634.6	3769345	4.76E-09	5.80E-09	0.00E+00	1.06E-08	5.37E-09	8.44E-09	0.00E+00	1.38E-08	9.00E-10	1.44E-09	0.00E+00	2.34E-09	3.94E-10	5.76E-10	0.00E+00	9.70E-10
1224	441625.5	3769348	4.68E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.29E-09	0.00E+00	1.36E-08	8.85E-10	1.41E-09	0.00E+00	2.30E-09	3.87E-10	5.66E-10	0.00E+00	9.54E-10
1225	441616.4	3769352	4.60E-09	5.60E-09	0.00E+00	1.02E-08	5.18E-09	8.15E-09	0.00E+00	1.33E-08	8.69E-10	1.39E-09	0.00E+00	2.26E-09	3.80E-10	5.56E-10	0.00E+00	9.36E-10
1226	441607.3	3769356	4.51E-09	5.50E-09	0.00E+00	1.00E-08	5.09E-09	8.00E-09	0.00E+00	1.31E-08	8.53E-10	1.36E-09	0.00E+00	2.22E-09	3.73E-10	5.46E-10	0.00E+00	9.19E-10
1227	441543.7	3769381	3.89E-09	4.74E-09	0.00E+00	8.63E-09	4.38E-09	6.89E-09	0.00E+00	1.13E-08	7.35E-10	1.17E-09	0.00E+00	1.91E-09	3.22E-10	4.71E-10	0.00E+00	7.92E-10
1228	441534.6	3769385	3.82E-09	4.65E-09	0.00E+00	8.47E-09	4.30E-09	6.77E-09	0.00E+00	1.11E-08	7.22E-10	1.15E-09	0.00E+00	1.88E-09	3.16E-10	4.62E-10	0.00E+00	7.78E-10
1229	441525.5	3769388	3.75E-09	4.57E-09	0.00E+00	8.32E-09	4.23E-09	6.64E-09	0.00E+00	1.09E-08	7.09E-10	1.13E-09	0.00E+00	1.84E-09	3.10E-10	4.54E-10	0.00E+00	7.64E-10

1230	441516.4	3769392	3.68E-09	4.49E-09	0.00E+00	8.17E-09	4.15E-09	6.52E-09	0.00E+00	1.07E-08	6.96E-10	1.11E-09	0.00E+00	1.81E-09	3.04E-10	4.46E-10	0.00E+00	7.50E-10
1231	441507.4	3769396	3.61E-09	4.41E-09	0.00E+00	8.02E-09	4.07E-09	6.41E-09	0.00E+00	1.05E-08	6.83E-10	1.09E-09	0.00E+00	1.78E-09	2.99E-10	4.37E-10	0.00E+00	7.36E-10
1232	441498.3	3769399	3.55E-09	4.33E-09	0.00E+00	7.89E-09	4.01E-09	6.30E-09	0.00E+00	1.03E-08	6.72E-10	1.07E-09	0.00E+00	1.75E-09	2.94E-10	4.30E-10	0.00E+00	7.24E-10
1233	441489.2	3769403	3.50E-09	4.26E-09	0.00E+00	7.76E-09	3.94E-09	6.20E-09	0.00E+00	1.01E-08	6.61E-10	1.06E-09	0.00E+00	1.72E-09	2.89E-10	4.23E-10	0.00E+00	7.12E-10
1234	442262.4	3768746	1.32E-08	1.61E-08	0.00E+00	2.93E-08	1.49E-08	2.34E-08	0.00E+00	3.82E-08	2.49E-09	3.98E-09	0.00E+00	6.48E-09	1.09E-09	1.60E-09	0.00E+00	2.69E-09
1235	442258.7	3768755	1.35E-08	1.65E-08	0.00E+00	3.01E-08	1.53E-08	2.40E-08	0.00E+00	3.93E-08	2.56E-09	4.09E-09	0.00E+00	6.65E-09	1.12E-09	1.64E-09	0.00E+00	2.76E-09
1236	442254.9	3768764	1.39E-08	1.70E-08	0.00E+00	3.09E-08	1.57E-08	2.46E-08	0.00E+00	4.03E-08	2.63E-09	4.20E-09	0.00E+00	6.83E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
1237	442251.2	3768773	1.43E-08	1.74E-08	0.00E+00	3.16E-08	1.61E-08	2.53E-08	0.00E+00	4.13E-08	2.70E-09	4.31E-09	0.00E+00	7.00E-09	1.18E-09	1.73E-09	0.00E+00	2.90E-09
1238	442247.4	3768783	1.46E-08	1.78E-08	0.00E+00	3.24E-08	1.65E-08	2.59E-08	0.00E+00	4.24E-08	2.76E-09	4.41E-09	0.00E+00	7.17E-09	1.21E-09	1.77E-09	0.00E+00	2.98E-09
1239	442243.7	3768792	1.49E-08	1.82E-08	0.00E+00	3.32E-08	1.68E-08	2.65E-08	0.00E+00	4.33E-08	2.83E-09	4.52E-09	0.00E+00	7.34E-09	1.24E-09	1.81E-09	0.00E+00	3.04E-09
1240	442240	3768801	1.53E-08	1.86E-08	0.00E+00	3.39E-08	1.72E-08	2.71E-08	0.00E+00	4.43E-08	2.89E-09	4.62E-09	0.00E+00	7.50E-09	1.26E-09	1.85E-09	0.00E+00	3.11E-09
1241	442236.2	3768810	1.56E-08	1.90E-08	0.00E+00	3.46E-08	1.76E-08	2.76E-08	0.00E+00	4.52E-08	2.95E-09	4.71E-09	0.00E+00	7.66E-09	1.29E-09	1.89E-09	0.00E+00	3.18E-09
1242	442232.5	3768819	1.59E-08	1.94E-08	0.00E+00	3.53E-08	1.79E-08	2.82E-08	0.00E+00	4.61E-08	3.00E-09	4.80E-09	0.00E+00	7.80E-09	1.31E-09	1.92E-09	0.00E+00	3.24E-09
1243	442228.8	3768828	1.62E-08	1.97E-08	0.00E+00	3.59E-08	1.82E-08	2.87E-08	0.00E+00	4.69E-08	3.06E-09	4.88E-09	0.00E+00	7.94E-09	1.34E-09	1.96E-09	0.00E+00	3.29E-09
1244	442225	3768837	1.64E-08	2.00E-08	0.00E+00	3.65E-08	1.85E-08	2.91E-08	0.00E+00	4.76E-08	3.11E-09	4.96E-09	0.00E+00	8.07E-09	1.36E-09	1.99E-09	0.00E+00	3.35E-09
1245	442221.3	3768846	1.67E-08	2.03E-08	0.00E+00	3.70E-08	1.88E-08	2.95E-08	0.00E+00	4.83E-08	3.15E-09	5.04E-09	0.00E+00	8.19E-09	1.38E-09	2.02E-09	0.00E+00	3.40E-09
1246	442217.5	3768855	1.69E-08	2.06E-08	0.00E+00	3.75E-08	1.90E-08	2.99E-08	0.00E+00	4.90E-08	3.19E-09	5.10E-09	0.00E+00	8.30E-09	1.40E-09	2.04E-09	0.00E+00	3.44E-09
1247	442135.3	3769055	1.59E-08	1.94E-08	0.00E+00	3.52E-08	1.79E-08	2.81E-08	0.00E+00	4.60E-08	3.00E-09	4.80E-09	0.00E+00	7.80E-09	1.31E-09	1.92E-09	0.00E+00	3.23E-09
1248	442131.6	3769064	1.56E-08	1.90E-08	0.00E+00	3.46E-08	1.76E-08	2.76E-08	0.00E+00	4.52E-08	2.94E-09	4.70E-09	0.00E+00	7.65E-09	1.29E-09	1.88E-09	0.00E+00	3.17E-09
1249	442127.9	3769073	1.53E-08	1.86E-08	0.00E+00	3.39E-08	1.72E-08	2.70E-08	0.00E+00	4.42E-08	2.88E-09	4.61E-09	0.00E+00	7.49E-09	1.26E-09	1.85E-09	0.00E+00	3.11E-09
1250	442124.1	3769082	1.49E-08	1.82E-08	0.00E+00	3.31E-08	1.68E-08	2.65E-08	0.00E+00	4.33E-08	2.82E-09	4.51E-09	0.00E+00	7.33E-09	1.23E-09	1.81E-09	0.00E+00	3.04E-09
1251	442120.4	3769091	1.46E-08	1.78E-08	0.00E+00	3.24E-08	1.65E-08	2.59E-08	0.00E+00	4.23E-08	2.76E-09	4.41E-09	0.00E+00	7.17E-09	1.21E-09	1.77E-09	0.00E+00	2.97E-09
1252	442116.6	3769100	1.42E-08	1.74E-08	0.00E+00	3.16E-08	1.61E-08	2.52E-08	0.00E+00	4.13E-08	2.69E-09	4.30E-09	0.00E+00	7.00E-09	1.18E-09	1.72E-09	0.00E+00	2.90E-09
1253	442112.9	3769109	1.39E-08	1.69E-08	0.00E+00	3.08E-08	1.57E-08	2.46E-08	0.00E+00	4.03E-08	2.63E-09	4.20E-09	0.00E+00	6.82E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
1254	442109.2	3769119	1.35E-08	1.65E-08	0.00E+00	3.00E-08	1.53E-08	2.40E-08	0.00E+00	3.92E-08	2.56E-09	4.09E-09	0.00E+00	6.64E-09	1.12E-09	1.64E-09	0.00E+00	2.76E-09
1255	442105.4	3769128	1.32E-08	1.60E-08	0.00E+00	2.92E-08	1.48E-08	2.33E-08	0.00E+00	3.82E-08	2.49E-09	3.98E-09	0.00E+00	6.47E-09	1.09E-09	1.59E-09	0.00E+00	2.68E-09
1256	442101.7	3769137	1.28E-08	1.56E-08	0.00E+00	2.84E-08	1.44E-08	2.27E-08	0.00E+00	3.71E-08	2.42E-09	3.87E-09	0.00E+00	6.28E-09	1.06E-09	1.55E-09	0.00E+00	2.61E-09
1257	442098	3769146	1.24E-08	1.51E-08	0.00E+00	2.76E-08	1.40E-08	2.20E-08	0.00E+00	3.60E-08	2.35E-09	3.75E-09	0.00E+00	6.10E-09	1.03E-09	1.50E-09	0.00E+00	2.53E-09
1258	442094.2	3769155	1.21E-08	1.47E-08	0.00E+00	2.68E-08	1.36E-08	2.14E-08	0.00E+00	3.50E-08	2.28E-09	3.64E-09	0.00E+00	5.92E-09	9.97E-10	1.46E-09	0.00E+00	2.46E-09
1259	442090.5	3769164	1.17E-08	1.43E-08	0.00E+00	2.60E-08	1.32E-08	2.07E-08	0.00E+00	3.39E-08	2.21E-09	3.53E-09	0.00E+00	5.75E-09	9.67E-10	1.42E-09	0.00E+00	2.38E-09
1260	442086.7	3769173	1.13E-08	1.38E-08	0.00E+00	2.52E-08	1.28E-08	2.01E-08	0.00E+00	3.29E-08	2.14E-09	3.43E-09	0.00E+00	5.57E-09	9.37E-10	1.37E-09	0.00E+00	2.31E-09
1261	442083	3769182	1.10E-08	1.34E-08	0.00E+00	2.44E-08	1.24E-08	1.95E-08	0.00E+00	3.18E-08	2.08E-09	3.32E-09	0.00E+00	5.39E-09	9.08E-10	1.33E-09	0.00E+00	2.24E-09
1262	441907.7	3769275	7.15E-09	8.72E-09	0.00E+00	1.59E-08	8.06E-09	1.27E-08	0.00E+00	2.07E-08	1.35E-09	2.16E-09	0.00E+00	3.51E-09	5.91E-10	8.65E-10	0.00E+00	1.46E-09
1263	441898.6	3769279	7.02E-09	8.56E-09	0.00E+00	1.56E-08	7.91E-09	1.24E-08	0.00E+00	2.03E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.80E-10	8.49E-10	0.00E+00	1.43E-09
1264	441889.5	3769282	6.89E-09	8.40E-09	0.00E+00	1.53E-08	7.76E-09	1.22E-08	0.00E+00	2.00E-08	1.30E-09	2.08E-09	0.00E+00	3.38E-09	5.69E-10	8.34E-10	0.00E+00	1.40E-09
1265	441880.4	3769286	6.76E-09	8.24E-09	0.00E+00	1.50E-08	7.62E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.59E-10	8.18E-10	0.00E+00	1.38E-09
1266	441871.3	3769290	6.63E-09	8.09E-09	0.00E+00	1.47E-08	7.48E-09	1.18E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.26E-09	5.48E-10	8.03E-10	0.00E+00	1.35E-09
1267	441862.2	3769293	6.51E-09	7.93E-09	0.00E+00	1.44E-08	7.33E-09	1.15E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.38E-10	7.87E-10	0.00E+00	1.33E-09
1268	441853	3769297	6.38E-09	7.78E-09	0.00E+00	1.42E-08	7.19E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.13E-09	5.28E-10	7.72E-10	0.00E+00	1.30E-09
1269	441843.9	3769301	6.26E-09	7.63E-09	0.00E+00	1.39E-08	7.06E-09	1.11E-08	0.00E+00	1.82E-08	1.18E-09	1.89E-09	0.00E+00	3.08E-09	5.18E-10	7.58E-10	0.00E+00	1.28E-09
1270	441780.1	3769326	5.50E-09	6.71E-09	0.00E+00	1.22E-08	6.20E-09	9.75E-09	0.00E+00	1.60E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.55E-10	6.66E-10	0.00E+00	1.12E-09
1271	441771	3769330	5.26E-09	6.42E-09	0.00E+00	1.17E-08	5.93E-09	9.33E-09	0.00E+00	1.53E-08	9.95E-10	1.59E-09	0.00E+00	2.58E-09	4.35E-10	6.37E-10	0.00E+00	1.07E-09
1272	441761.9	3769333	5.17E-09	6.30E-09	0.00E+00	1.15E-08	5.83E-09	9.16E-09	0.00E+00	1.50E-08	9.77E-10	1.56E-09	0.00E+00	2.54E-09	4.27E-10	6.26E-10	0.00E+00	1.05E-09
1273	441752.8	3769337	5.08E-09	6.19E-09	0.00E+00	1.13E-08	5.73E-09	9.00E-09	0.00E+00	1.47E-08	9.61E-10	1.54E-09	0.00E+00	2.50E-09	4.20E-10	6.15E-10	0.00E+00	1.04E-09
1274	441743.7	3769341	4.99E-09	6.09E-09	0.00E+00	1.11E-08	5.63E-09	8.85E-09	0.00E+00	1.45E-08	9.44E-10	1.51E-09	0.00E+00	2.45E-09	4.13E-10	6.04E-10	0.00E+00	1.02E-09
1275	441734.5	3769344	4.90E-09	5.98E-09	0.00E+00	1.09E-08	5.53E-09	8.69E-09	0.00E+00	1.42E-08	9.27E-10	1.48E-09	0.00E+00	2.41E-09	4.06E-10	5.94E-10	0.00E+00	9.99E-10
1276	441725.4	3769348	4.82E-09	5.88E-09	0.00E+00	1.07E-08	5.43E-09	8.54E-09	0.00E+00	1.40E-08	9.11E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.83E-10	0.00E+00	9.82E-10
1277	441716.3	3769352	4.75E-09	5.79E-09	0.00E+00	1.05E-08	5.35E-09	8.42E-09	0.00E+00	1.38E-08	8.98E-10	1.43E-09	0.00E+00	2.33E-09	3.93E-10	5.75E-10	0.00E+00	9.68E-10
1278	441707.2	3769355	4.69E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.31E-09	0.00E+00	1.36E-08	8.86E-10	1.42E-09	0.00E+00	2.30E-09	3.88E-10	5.67E-10	0.00E+00	9.55E-10
1279	441552.2	3769417	3.58E-09	4.36E-09	0.00E+00	7.94E-09	4.03E-09	6.34E-09	0.00E+00	1.04E-08	6.76E-10	1.08E-09	0.00E+00	1.76E-09	2.96E-10	4.33E-10	0.00E+00	7.29E-10
1280	441543.1	3769421	3.51E-09	4.28E-09	0.00E+00	7.79E-09	3.96E-09	6.22E-09	0.00E+00	1.02E-08	6.64E-10	1.06E-09	0.00E+00	1.72E-09	2.90E-10	4.25E-10	0.00E+00	7.15E-10
1281	441534	3769425	3.45E-09	4.20E-09	0.00E+00	7.65E-09	3.89E-09	6.11E-09	0.00E+00	9.99E-09	6.52E-10	1.04E-09	0.00E+00	1.69E-09	2.85E-10	4.17E-10	0.00E+00	7.02E-10
1282	441524.9	3769428	3.39E-09	4.13E-09	0.00E+00	7.51E-09	3.82E-09	6.00E-09	0.00E+00	9.82E-09	6.40E-10	1.02E-09	0.00E+00	1.66E-09	2.80E-10	4.10E-10	0.00E+00	6.90E-10
1283	441515.8	3769432	3.33E-09	4.06E-09	0.00E+00	7.38E-09	3.75E-09	5.90E-09	0.00E+00	9.65E-09	6.29E-10	1.01E-09	0.00E+00	1.63E-09	2.75E-10	4.03E-10	0.00E+00	6.78E-10
1284	441506.7	3769436	3.27E-09	3.99E-09	0.00E+00	7.26E-09	3.69E-09	5.80E-09	0.00E+00	9.49E-09	6.19E-10	9.89E-10	0.00E+00	1.61E-09	2.71E-10	3.96E-10	0.00E+00	6.67E-10
1285	441497.6	3769439	3.22E-09	3.92E-09	0.00E+00	7.14E-09	3.63E-09	5.71E-09	0.00E+00	9.33E-09	6.09E-10	9.73E-10	0.00E+00	1.58E-09	2.66E-10	3.90E-10	0.00E+00	6.56E-10
1286	441488.4	3769443	3.17E-09	3.86E-09	0.00E+00	7.02E-09	3.57E-09	5.61E-09	0.00E+00	9.18E-09	5.98E-10	9.56E-10	0.00E+00	1.55E-09	2.62E-10	3.83E-10	0.00E+00	6.45E-10
1287	442302.3	3768746	1.21E-08	1.48E-08	0.00E+00	2.69E-08	1.37E-08	2.15E-08	0.00E+00	3.52E-08	2.30E-09	3.67E-09	0.00E+00	5.96E-09	1.00E-09	1.47E-09	0.00E+00	2.47E-09
1288	442298.5	3768755	1.25E-08	1.52E-08	0.00E+00	2.77E-08	1.41E-08	2.21E-08	0.00E+00	3.62E-08	2.36E-09	3.77E-09	0.00E+00	6.13E-09	1.03E-09	1.51E-09	0.00E+00	2.54E-09
1289	442294.8	3768764	1.28E-08	1.56E-08	0.00E+00	2.84E-08	1.44E-08	2.27E-08	0.00E+00	3.71E-08	2.42E-09	3.87E-09	0.00E+00	6.29E-09	1.06E-09	1.55E-09	0.00E+00	2.61E-09
1290	442291	3768774	1.31E-08	1.60E-08	0.00E+00	2.92E-08	1.48E-08	2.33E-08	0.00E+00	3.81E-08	2.49E-09	3.97E-09	0.00E+00	6.46E-09	1.09E-09	1.59E-09	0.00E+00	2.68E-09
1291	442287.3	3768783	1.35E-08	1.64E-08	0.00E+00	2.99E-08	1.52E-08	2.39E-08	0.00E+00	3.90E-08	2.55E-09	4.07E-09	0.00E+00	6.61E-09	1.11E-09	1.63E-09	0.00E+00	2.74E-09
1292	442283.5	3768792	1.38E-08	1.68E-08	0.00E+00	3.06E-08	1.55E-08	2.44E-08	0.00E+00	3.99E-08	2.60E-09	4.16E-09	0.00E+00	6.76E-09	1.14E-09	1.67E-09	0.00E+00	2.81E-09
1293	442279.8	3768801	1.41E-08	1.72E-08	0.00E+00	3.12E-08	1.59E-08	2.49E-08	0.00E+00	4.08E-08	2.66E-09	4.25E-09	0.00E+00	6.91E-09	1.16E-09	1.70E-09	0.00E+00	2.87E-09
1294	442276	3768810	1.44E-08	1.75E-08	0.00E+00	3.19E-08	1.62E-08	2.54E-08	0.00E+00	4.16E-08	2.71E-09	4.34E-09	0.00E+00	7.05E-09	1.19E-09	1.74E-09	0.00E+00	2.92E-09
1295	442272.3	3768819	1.46E-08	1.78E-08	0.00E+00	3.25E-08	1.65E-08	2.59E-08	0.00E+00	4.24E-08	2.77E-09	4.42E-09	0.00E+00	7.19E-09	1.21E-09	1.77E-09	0.00E+00	2.98E-09
1296	442268.5	3768828	1.49E-08	1.82E-08	0.00E+00	3.31E-08	1.68E-08	2.64E-08	0.00E+00	4.32E-08	2.82E-09	4.50E-09	0.00E+00	7.32E-09	1.23E-09	1.80E-09	0.00E+00	3.03E-09
1297	442264.8	3768837	1.51E-08	1.85E-08	0.00E+00	3.36E-08	1.71E-08	2.68E-08	0.00E+00	4.39E-08	2.86E-09	4.58E-09	0.00E+00	7.44E-09	1.25E-09	1.83E-09	0.00E+00	3.09E-09
1298	442261	3768846	1.54E-08	1.87E-08	0.00E+00	3.41E-08	1.73E-08	2.73E-08	0.00E+00	4.46E-08	2.91E-09	4.65E-09	0.00E+00	7.55E-09	1.27E-09	1.86E-09	0.00E+00	3.13E-09
1299	442257.3	3768855	1.56E-08	1.90E-08	0.00E+00	3.46E-08	1.76E-08	2.76E-08	0.00E+00	4.52E-08	2.95E-09	4.71E-09	0.00E+00	7.65E-09	1.29E-09	1.89E-09	0.00E+00	3.17E-09
1300	442174.9	3769056	1.52E-08	1.86E-08	0.00E+00	3.38E-08	1.72E-08	2.70E-08	0.00E+00	4.42E-08	2.88E-09	4.61E-09	0.00E+00	7.49E-09	1.26E-09	1.84E-09	0.00E+00	3.11E-09
1301	442171.1	3769065	1.50E-08	1.83E-08	0.00E+00	3.33E-08	1.69E-08	2.66E-08	0.00E+00	4.35E-08	2.83E-09	4.53E-09	0.00E+00	7.36E-09	1.24E-09	1.81E-09	0.00E+00	3.05E-09
1302	442167.4	3769074	1.47E-08	1.79E-08	0.00E+00	3.27E-08	1.66E-08	2.61E-08	0.00E+00	4.27E-08	2.78E-09	4.45E-09	0.00E+00	7.23E-09	1.22E-09	1.78E-09	0.00E+00	3.00E-09
1303	442163.6	3769083	1.44E-08	1.76E-08	0.00E+00	3.20E-08	1.63E-08	2.56E-08	0.00E+00	4.19E-08	2.73E-09	4.36E-09	0.00E+00	7.09E-09	1.19E-09	1.75E-09	0.00E+00	2.94E-09
1304	442159.9	3769092	1.42E-08	1.73E-08	0.00E+00	3.14E-08	1.60E-08	2.51E-08	0.00E+00	4.10E-08	2.68E-09	4.28E-09	0.00E+00	6.95E-09	1.17E-09	1.71E-09	0.00E+00	2.88E-09
1305	442156.1	3769101	1.39E-08	1.69E-08	0.00E+00	3.07E-08	1.56E-08	2.45E-08	0.00E+00	4.02E-08	2.62E-09	4.19E-09	0.00E+00	6.80E-09	1.15E-09	1.68E-09	0.00E+00	2.82E-09
1306	442152.4	3769110	1.35E-08	1.65E-08	0.00E+00	3.01E-08	1.53E-08	2.40E-08	0.00E+00	3.93E-08	2.56E-09	4.09E-09	0.00E+00	6.65E-09	1.12E-09	1.64E-09	0.00E+00	2.76E-09
1307	442148.7	3769119	1.32E-08	1.61E-08	0.00E+00	2.94E-08	1.49E-08	2.34E-08	0.00E+00	3.84E-08	2.50E-09	4.00E-09	0.00E+00	6.50E-09	1.09E-09	1.60E-09	0.00E+00	2.70E-09
1308	442144.9	3769129	1.29E-08	1.57E-08	0.00E+00	2.86E-08	1.46E-08	2.29E-08	0.00E+00	3.74E-08	2.44E-09	3.90E-09	0.00E+00	6.34E-09	1.07E-09	1.56E-09	0.00E+00	2.63E-09
1309	442141.2	3769138	1.26E-08	1.53E-08	0.00E+00	2.79E-08	1.42E-08	2.23E-08	0.00E+00	3.65E-08	2.38E-09	3.80E-09	0.00E+00	6.18E-09	1.04E-09	1.52E-09	0.00E+00	2.56E-09
1310	442137.4	3769147	1.23E-08	1.49E-08	0.00E+00	2.72E-08	1.38E-08	2.17E-08	0.00E+00	3.55E-08	2.32E-09	3.70E-09	0.00E+00	6.02E-09	1.01E-09	1.48E-09	0.00E+00	2.50E-09
1311	442133.7	3769156	1.19E-08	1.45E-08	0.00E+00	2.64E-08	1.34E-08	2.11E-08	0.00E+00	3.46E-08	2.25E-09	3.60E-09	0.00E+00	5.85E-09	9.85E-10	1.44E-09	0.00E+00	2.43E-09
1312	442129.9	3769165	1.16E-08	1.41E-08	0.00E+00	2.57E-08	1.31E-08	2.05E-08	0.00E+00	3.36E-08	2.19E-09	3.50E-09	0.00E+00	5.69E-09	9.58E-10	1.40E-09	0.00E+00	2.36E-09
1313	442126.2	3769174	1.13E-08	1.37E-08	0.00E+00	2.50E-08	1.27E-08	1.99E-08	0.00E+00	3.26E-08	2.13E-09	3.40E-09	0.00E+00	5.53E-09	9.30E-10	1.36E-09	0.00E+00	2.29E-09
1314	442122.4	3769183	1.09E-08	1.33E-08	0.00E+00	2.42E-08	1.23E-08	1.94E-08	0.00E+00	3.17E-08	2.07E-09	3.30E-09	0.00E+00	5.37E-09	9.03E-10	1.32E-09	0.00E+00	2.23E-09
1315	442118.7	3769192	1.06E-08	1.29E-08	0.00E+00	2.35E-08	1.19E-08	1.88E-08	0.00E+00	3.07E-08	2.00E-09	3.20E-09	0.00E+00	5.21E-09	8.76E-10	1.28E-09	0.00E+00	2.16E-09
1316	442114.9	3769201	1.03E-08	1.25E-08	0.00E+00	2.28E-08	1.16E-08	1.82E-08	0.00E+00	2.98E-08	1.94E-09	3.10E-09	0.00E+00	5.05E-09	8.50E-10	1.24E-09	0.00E+00	2.09E-09
1317	442045.1	3769260	8.17E-09	9.96E-09	0.00E+00	1.81E-08	9.21E-09	1.45E-08	0.00E+00	2.37E-08	1.54E-09	2.47E-09	0.00E+00	4.01E-09	6.75E-10	9.88E-10	0.00E+00	1.66E-09
1318	442036	3769263	8.02E-09	9.78E-09	0.00E+00	1.78E-08	9.04E-09	1.42E-08	0.00E+00	2.33E-08	1.52E-09	2.42E-09	0.00E+00	3.94E-09	6.63E-10	9.71E-10	0.00E+00	1.63E-09
1319	441926.3	3769307	6.14E-09	7.48E-09	0.00E+00	1.36E-08	6.92E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.85E-09	0.00E+00	3.01E-09	5.07E-10	7.43E-10	0.00E+00	1.25E-09
1320	441917.2	3769311	6.03E-09	7.36E-09	0.00E+00	1.34E-08	6.80E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.82E-09	0.00E+00	2.96E-09	4.99E-10	7.30E-10	0.00E+00	1.23E-09
1321	441908.1	3769315	5.93E-09	7.23E-09	0.00E+00	1.32E-08	6.68E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.79E-09	0.00E+00	2.91E-09	4.90E-10	7.17E-10	0.00E+00	1.21E-09
1322	441898.9	3769318	5.82E-09	7.09E-09	0.00E+00	1.29E-08	6.56E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.81E-10	7.04E-10	0.00E+00	1.18E-09
1323	441889.8	3769322	5.71E-09	6.96E-09	0.00E+00	1.27E-08	6.43E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.72E-10	6.91E-10	0.00E+00	1.16E-09
1324	441880.6	3769326	5.61E-09	6.84E-09	0.00E+00	1.24E-08	6.32E-09	9.94E-09	0.00E+00	1.63E-08	1.06E-09	1.69E-09	0.00E+00	2.76E-09	4.64E-10	6.79E-10	0.00E+00	1.14E-09
1325	441871.5	3769329	5.52E-09	6.73E-09	0.00E+00	1.22E-08	6.22E-09	9.78E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.56E-10	6.68E-10	0.00E+00	1.12E-09
1326	441807.5	3769355	4.89E-09	5.96E-09	0.00E+00	1.08E-08	5.51E-09	8.66E-09	0.00E+00	1.42E-08	9.24E-10	1.48E-09	0.00E+00	2.40E-09	4.04E-10	5.92E-10	0.00E+00	9.96E-10
1327	441725.3	3769388	4.44E-09	5.41E-09	0.00E+00	9.85E-09	5.00E-09	7.86E-09	0.00E+00	1.29E-08	8.39E-10	1.34E-09	0.00E+00	2.18E-09	3.67E-10	5.37E-10	0.00E+00	9.04E-10
1328	441716.2	3769391	4.37E-09	5.33E-09	0.00E+00	9.70E-09	4.93E-09	7.74E-09	0.00E+00	1.27E-08	8.26E-10	1.32E-09	0.00E+00	2.15E-09	3.61E-10	5.29E-10	0.00E+00	8.90E-10
1329	441707	3769395	4.30E-09	5.24E-09	0.00E+00	9.55E-09	4.85E-09	7.62E-09	0.00E+00	1.25E-08	8.13E-10	1.30E-09	0.00E+00	2.11E-09	3.56E-10	5.21E-10	0.00E+00	8.76E-10
1330	441697.9	3769399	4.24E-09	5.16E-09	0.00E+00	9.40E-09	4.77E-09	7.51E-09	0.00E+00	1.23E-08	8.01E-10	1.28E-09	0.00E+00	2.08E-09	3.50E-10	5.13E-10	0.00E+00	8.63E-10
1331	441688.7	3769402	4.17E-09	5.08E-09	0.00E+00	9.25E-09	4.70E-09	7.39E-09	0.00E+00	1.21E-08	7.88E-10	1.26E-09	0.00E+00	2.05E-09	3.45E-10	5.05E-10	0.00E+00	8.49E-10
1332	441679.6	3769406	4.10E-09	5.00E-09	0.00E+00	9.11E-09	4.63E-09	7.27E-09	0.00E+00	1.19E-08	7.76E-10	1.24E-09	0.00E+00	2.02E-09	3.39E-10	4.97E-10	0.00E+00	8.36E-10
1333	441670.5	3769410	3.99E-09	4.87E-09	0.00E+00	8.86E-09	4.50E-09	7.08E-09	0.00E+00	1.16E-08	7.55E-10	1.21E-09	0.00E+00	1.96E-09	3.30E-10	4.83E-10	0.00E+00	8.13E-10
1334	441551.7	3769457	3.23E-09	3.94E-09	0.00E+00	7.17E-09	3.64E-09	5.73E-09	0.00E+00	9.37E-09	6.11E-10	9.76E-10	0.00E+00	1.59E-09	2.67E-10	3.91E-10	0.00E+00	6.58E-10
1335	441542.5	3769461	3.17E-09	3.87E-09	0.00E+00	7.04E-09	3.58E-09	5.62E-09	0.00E+00	9.20E-09	6.00E-10	9.59E-10	0.00E+00	1.56E-09	2.62E-10	3.84E-10	0.00E+00	6.46E-10
1336	441533.4	3769465	3.12E-09	3.80E-09	0.00E+00	6.92E-09	3.51E-09	5.52E-09	0.00E+00	9.04E-09	5.89E-10	9.42E-10	0.00E+00	1.53E-09	2.58E-10	3.77E-10	0.00E+00	6.35E-10
1337	441524.3	3769468	3.06E-09	3.73E-09	0.00E+00	6.79E-09	3.45E-09	5.42E-09	0.00E+00	8.87E-09	5.79E-10	9.25E-10	0.00E+00	1.50E-09	2.53E-10	3.70E-10	0.00E+00	6.24E-10
1338	441515.1	3769472	3.00E-09	3.66E-09	0.00E+00	6.67E-09	3.39E-09	5.32E-09	0.00E+00	8.71E-09	5.68E-10	9.08E-10	0.00E+00	1.48E-09	2.48E-10	3.64E-10	0.00E+00	6.12E-10
1339	441506	3769476	2.95E-09	3.60E-09	0.00E+00	6.55E-09	3.33E-09	5.23E-09	0.00E+00	8.56E-09	5.58E-10	8.92E-10	0.00E+00	1.45E-09	2.44E-10	3.57E-10	0.00E+00	6.02E-10
1340	441496.9	3769479	2.91E-09	3.55E-09	0.00E+00	6.45E-09	3.28E-09	5.15E-09	0.00E+00	8.43E-09	5.50E-10	8.79E-10	0.00E+00	1.43E-09	2.40E-10	3.52E-10	0.00E+00	5.92E-10
1341	441487.7	3769483	2.86E-09	3.49E-09	0.00E+00	6.36E-09	3.23E-09	5.08E-09	0.00E+00	8.31E-09	5.42E-10	8.66E-10	0.00E+00	1.41E-09	2.37E-10	3.47E-10	0.00E+00	5.84E-10

1342	442339.2	3768753	1.14E-08	1.39E-08	0.00E+00	2.54E-08	1.29E-08	2.03E-08	0.00E+00	3.31E-08	2.16E-09	3.45E-09	0.00E+00	5.61E-09	9.45E-10	1.38E-09	0.00E+00	2.33E-09
1343	442335.5	3768762	1.17E-08	1.43E-08	0.00E+00	2.60E-08	1.32E-08	2.08E-08	0.00E+00	3.40E-08	2.22E-09	3.54E-09	0.00E+00	5.76E-09	9.69E-10	1.42E-09	0.00E+00	2.39E-09
1344	442331.8	3768771	1.20E-08	1.46E-08	0.00E+00	2.66E-08	1.35E-08	2.13E-08	0.00E+00	3.48E-08	2.27E-09	3.63E-09	0.00E+00	5.90E-09	9.93E-10	1.45E-09	0.00E+00	2.45E-09
1345	442328.1	3768780	1.23E-08	1.50E-08	0.00E+00	2.73E-08	1.39E-08	2.18E-08	0.00E+00	3.56E-08	2.32E-09	3.71E-09	0.00E+00	6.03E-09	1.02E-09	1.49E-09	0.00E+00	2.50E-09
1346	442324.4	3768789	1.26E-08	1.53E-08	0.00E+00	2.79E-08	1.42E-08	2.23E-08	0.00E+00	3.65E-08	2.38E-09	3.80E-09	0.00E+00	6.18E-09	1.04E-09	1.52E-09	0.00E+00	2.56E-09
1347	442320.6	3768798	1.29E-08	1.57E-08	0.00E+00	2.86E-08	1.45E-08	2.28E-08	0.00E+00	3.74E-08	2.44E-09	3.90E-09	0.00E+00	6.33E-09	1.07E-09	1.56E-09	0.00E+00	2.63E-09
1348	442316.9	3768807	1.32E-08	1.60E-08	0.00E+00	2.92E-08	1.48E-08	2.33E-08	0.00E+00	3.82E-08	2.49E-09	3.98E-09	0.00E+00	6.46E-09	1.09E-09	1.59E-09	0.00E+00	2.68E-09
1349	442313.2	3768816	1.34E-08	1.64E-08	0.00E+00	2.98E-08	1.51E-08	2.38E-08	0.00E+00	3.89E-08	2.54E-09	4.05E-09	0.00E+00	6.59E-09	1.11E-09	1.62E-09	0.00E+00	2.73E-09
1350	442309.5	3768825	1.37E-08	1.67E-08	0.00E+00	3.03E-08	1.54E-08	2.42E-08	0.00E+00	3.96E-08	2.58E-09	4.13E-09	0.00E+00	6.71E-09	1.13E-09	1.65E-09	0.00E+00	2.78E-09
1351	442305.8	3768834	1.39E-08	1.69E-08	0.00E+00	3.08E-08	1.57E-08	2.46E-08	0.00E+00	4.03E-08	2.63E-09	4.20E-09	0.00E+00	6.83E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
1352	442302.1	3768843	1.41E-08	1.72E-08	0.00E+00	3.13E-08	1.59E-08	2.50E-08	0.00E+00	4.09E-08	2.67E-09	4.27E-09	0.00E+00	6.94E-09	1.17E-09	1.71E-09	0.00E+00	2.88E-09
1353	442217	3769050	1.48E-08	1.80E-08	0.00E+00	3.27E-08	1.66E-08	2.61E-08	0.00E+00	4.28E-08	2.79E-09	4.46E-09	0.00E+00	7.25E-09	1.22E-09	1.79E-09	0.00E+00	3.01E-09
1354	442213.3	3769059	1.46E-08	1.77E-08	0.00E+00	3.23E-08	1.64E-08	2.58E-08	0.00E+00	4.22E-08	2.75E-09	4.40E-09	0.00E+00	7.15E-09	1.20E-09	1.76E-09	0.00E+00	2.97E-09
1355	442209.6	3769068	1.43E-08	1.75E-08	0.00E+00	3.18E-08	1.62E-08	2.54E-08	0.00E+00	4.16E-08	2.71E-09	4.33E-09	0.00E+00	7.04E-09	1.19E-09	1.74E-09	0.00E+00	2.92E-09
1356	442205.9	3769077	1.41E-08	1.72E-08	0.00E+00	3.13E-08	1.59E-08	2.50E-08	0.00E+00	4.09E-08	2.67E-09	4.26E-09	0.00E+00	6.93E-09	1.17E-09	1.71E-09	0.00E+00	2.88E-09
1357	442202.2	3769086	1.39E-08	1.69E-08	0.00E+00	3.08E-08	1.56E-08	2.46E-08	0.00E+00	4.02E-08	2.62E-09	4.19E-09	0.00E+00	6.82E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
1358	442198.5	3769095	1.36E-08	1.66E-08	0.00E+00	3.02E-08	1.54E-08	2.41E-08	0.00E+00	3.95E-08	2.58E-09	4.12E-09	0.00E+00	6.69E-09	1.13E-09	1.65E-09	0.00E+00	2.78E-09
1359	442194.7	3769104	1.34E-08	1.63E-08	0.00E+00	2.97E-08	1.51E-08	2.37E-08	0.00E+00	3.88E-08	2.53E-09	4.04E-09	0.00E+00	6.57E-09	1.11E-09	1.62E-09	0.00E+00	2.72E-09
1360	442191	3769113	1.31E-08	1.60E-08	0.00E+00	2.91E-08	1.48E-08	2.32E-08	0.00E+00	3.80E-08	2.48E-09	3.96E-09	0.00E+00	6.44E-09	1.08E-09	1.59E-09	0.00E+00	2.67E-09
1361	442187.3	3769122	1.28E-08	1.56E-08	0.00E+00	2.85E-08	1.45E-08	2.27E-08	0.00E+00	3.72E-08	2.43E-09	3.88E-09	0.00E+00	6.30E-09	1.06E-09	1.55E-09	0.00E+00	2.61E-09
1362	442183.6	3769131	1.26E-08	1.53E-08	0.00E+00	2.79E-08	1.41E-08	2.22E-08	0.00E+00	3.64E-08	2.37E-09	3.79E-09	0.00E+00	6.16E-09	1.04E-09	1.52E-09	0.00E+00	2.56E-09
1363	442179.9	3769140	1.23E-08	1.50E-08	0.00E+00	2.72E-08	1.38E-08	2.17E-08	0.00E+00	3.56E-08	2.32E-09	3.71E-09	0.00E+00	6.03E-09	1.01E-09	1.48E-09	0.00E+00	2.50E-09
1364	442176.2	3769149	1.20E-08	1.46E-08	0.00E+00	2.66E-08	1.35E-08	2.12E-08	0.00E+00	3.47E-08	2.26E-09	3.62E-09	0.00E+00	5.88E-09	9.90E-10	1.45E-09	0.00E+00	2.44E-09
1365	442172.5	3769158	1.17E-08	1.42E-08	0.00E+00	2.59E-08	1.32E-08	2.07E-08	0.00E+00	3.39E-08	2.21E-09	3.53E-09	0.00E+00	5.74E-09	9.66E-10	1.41E-09	0.00E+00	2.38E-09
1366	442168.8	3769167	1.14E-08	1.39E-08	0.00E+00	2.53E-08	1.28E-08	2.02E-08	0.00E+00	3.30E-08	2.15E-09	3.44E-09	0.00E+00	5.59E-09	9.42E-10	1.38E-09	0.00E+00	2.32E-09
1367	442165.1	3769176	1.11E-08	1.35E-08	0.00E+00	2.46E-08	1.25E-08	1.97E-08	0.00E+00	3.22E-08	2.10E-09	3.35E-09	0.00E+00	5.45E-09	9.17E-10	1.34E-09	0.00E+00	2.26E-09
1368	442161.4	3769185	1.08E-08	1.32E-08	0.00E+00	2.39E-08	1.22E-08	1.91E-08	0.00E+00	3.13E-08	2.04E-09	3.26E-09	0.00E+00	5.30E-09	8.92E-10	1.31E-09	0.00E+00	2.20E-09
1369	442157.7	3769194	1.05E-08	1.28E-08	0.00E+00	2.33E-08	1.18E-08	1.86E-08	0.00E+00	3.04E-08	1.98E-09	3.17E-09	0.00E+00	5.15E-09	8.67E-10	1.27E-09	0.00E+00	2.14E-09
1370	442154	3769203	1.02E-08	1.24E-08	0.00E+00	2.26E-08	1.15E-08	1.81E-08	0.00E+00	2.96E-08	1.93E-09	3.08E-09	0.00E+00	5.01E-09	8.43E-10	1.23E-09	0.00E+00	2.08E-09
1371	442142.9	3769230	9.32E-09	1.14E-08	0.00E+00	2.07E-08	1.05E-08	1.65E-08	0.00E+00	2.70E-08	1.76E-09	2.82E-09	0.00E+00	4.58E-09	7.70E-10	1.13E-09	0.00E+00	1.90E-09
1372	442073.9	3769288	7.47E-09	9.11E-09	0.00E+00	1.66E-08	8.42E-09	1.32E-08	0.00E+00	2.17E-08	1.41E-09	2.26E-09	0.00E+00	3.67E-09	6.18E-10	9.04E-10	0.00E+00	1.52E-09
1373	442064.9	3769291	7.34E-09	8.95E-09	0.00E+00	1.63E-08	8.28E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.22E-09	0.00E+00	3.61E-09	6.07E-10	8.89E-10	0.00E+00	1.50E-09
1374	442055.8	3769295	7.22E-09	8.80E-09	0.00E+00	1.60E-08	8.14E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.54E-09	5.97E-10	8.73E-10	0.00E+00	1.47E-09
1375	442046.8	3769299	7.09E-09	8.64E-09	0.00E+00	1.57E-08	7.99E-09	1.26E-08	0.00E+00	2.06E-08	1.34E-09	2.14E-09	0.00E+00	3.48E-09	5.86E-10	8.58E-10	0.00E+00	1.44E-09
1376	442037.8	3769302	6.96E-09	8.49E-09	0.00E+00	1.54E-08	7.85E-09	1.23E-08	0.00E+00	2.02E-08	1.32E-09	2.10E-09	0.00E+00	3.42E-09	5.76E-10	8.43E-10	0.00E+00	1.42E-09
1377	442028.7	3769306	6.83E-09	8.33E-09	0.00E+00	1.52E-08	7.70E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.36E-09	5.65E-10	8.27E-10	0.00E+00	1.39E-09
1378	441938.4	3769342	5.45E-09	6.65E-09	0.00E+00	1.21E-08	6.15E-09	9.67E-09	0.00E+00	1.58E-08	1.03E-09	1.65E-09	0.00E+00	2.68E-09	4.51E-10	6.60E-10	0.00E+00	1.11E-09
1379	441929.4	3769346	5.35E-09	6.52E-09	0.00E+00	1.19E-08	6.03E-09	9.47E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.42E-10	6.47E-10	0.00E+00	1.09E-09
1380	441920.4	3769349	5.25E-09	6.41E-09	0.00E+00	1.17E-08	5.92E-09	9.31E-09	0.00E+00	1.52E-08	9.93E-10	1.59E-09	0.00E+00	2.58E-09	4.34E-10	6.36E-10	0.00E+00	1.07E-09
1381	441911.3	3769353	5.17E-09	6.30E-09	0.00E+00	1.15E-08	5.82E-09	9.16E-09	0.00E+00	1.50E-08	9.77E-10	1.56E-09	0.00E+00	2.54E-09	4.27E-10	6.25E-10	0.00E+00	1.05E-09
1382	441830.1	3769386	4.54E-09	5.53E-09	0.00E+00	1.01E-08	5.11E-09	8.04E-09	0.00E+00	1.31E-08	8.57E-10	1.37E-09	0.00E+00	2.23E-09	3.75E-10	5.49E-10	0.00E+00	9.24E-10
1383	441821	3769389	4.48E-09	5.46E-09	0.00E+00	9.93E-09	5.04E-09	7.93E-09	0.00E+00	1.30E-08	8.46E-10	1.35E-09	0.00E+00	2.20E-09	3.70E-10	5.42E-10	0.00E+00	9.12E-10
1384	441812	3769393	4.42E-09	5.39E-09	0.00E+00	9.81E-09	4.98E-09	7.83E-09	0.00E+00	1.28E-08	8.35E-10	1.34E-09	0.00E+00	2.17E-09	3.65E-10	5.35E-10	0.00E+00	9.00E-10
1385	441803	3769396	4.37E-09	5.33E-09	0.00E+00	9.70E-09	4.93E-09	7.75E-09	0.00E+00	1.27E-08	8.26E-10	1.32E-09	0.00E+00	2.15E-09	3.61E-10	5.29E-10	0.00E+00	8.91E-10
1386	441739.7	3769422	4.07E-09	4.97E-09	0.00E+00	9.04E-09	4.59E-09	7.22E-09	0.00E+00	1.18E-08	7.70E-10	1.23E-09	0.00E+00	2.00E-09	3.37E-10	4.93E-10	0.00E+00	8.30E-10
1387	441730.7	3769425	4.01E-09	4.89E-09	0.00E+00	8.91E-09	4.53E-09	7.11E-09	0.00E+00	1.16E-08	7.59E-10	1.21E-09	0.00E+00	1.97E-09	3.32E-10	4.86E-10	0.00E+00	8.18E-10
1388	441721.7	3769429	3.96E-09	4.82E-09	0.00E+00	8.78E-09	4.46E-09	7.01E-09	0.00E+00	1.15E-08	7.48E-10	1.19E-09	0.00E+00	1.94E-09	3.27E-10	4.79E-10	0.00E+00	8.06E-10
1389	441712.6	3769433	3.85E-09	4.69E-09	0.00E+00	8.54E-09	4.34E-09	6.82E-09	0.00E+00	1.12E-08	7.27E-10	1.16E-09	0.00E+00	1.89E-09	3.18E-10	4.66E-10	0.00E+00	7.84E-10
1390	441703.6	3769436	3.79E-09	4.62E-09	0.00E+00	8.40E-09	4.27E-09	6.71E-09	0.00E+00	1.10E-08	7.16E-10	1.14E-09	0.00E+00	1.86E-09	3.13E-10	4.58E-10	0.00E+00	7.71E-10
1391	441694.6	3769440	3.73E-09	4.54E-09	0.00E+00	8.27E-09	4.20E-09	6.60E-09	0.00E+00	1.08E-08	7.04E-10	1.13E-09	0.00E+00	1.83E-09	3.08E-10	4.51E-10	0.00E+00	7.59E-10
1392	441685.6	3769443	3.67E-09	4.48E-09	0.00E+00	8.15E-09	4.14E-09	6.51E-09	0.00E+00	1.06E-08	6.94E-10	1.11E-09	0.00E+00	1.80E-09	3.04E-10	4.45E-10	0.00E+00	7.48E-10
1393	441676.5	3769447	3.62E-09	4.42E-09	0.00E+00	8.04E-09	4.09E-09	6.42E-09	0.00E+00	1.05E-08	6.85E-10	1.10E-09	0.00E+00	1.78E-09	3.00E-10	4.39E-10	0.00E+00	7.38E-10
1394	441667.5	3769451	3.58E-09	4.36E-09	0.00E+00	7.93E-09	4.03E-09	6.34E-09	0.00E+00	1.04E-08	6.76E-10	1.08E-09	0.00E+00	1.76E-09	2.96E-10	4.33E-10	0.00E+00	7.28E-10
1395	441550.1	3769498	2.91E-09	3.55E-09	0.00E+00	6.46E-09	3.28E-09	5.16E-09	0.00E+00	8.44E-09	5.51E-10	8.80E-10	0.00E+00	1.43E-09	2.41E-10	3.52E-10	0.00E+00	5.93E-10
1396	441541	3769501	2.86E-09	3.49E-09	0.00E+00	6.36E-09	3.23E-09	5.08E-09	0.00E+00	8.31E-09	5.42E-10	8.66E-10	0.00E+00	1.41E-09	2.37E-10	3.47E-10	0.00E+00	5.84E-10
1397	441532	3769505	2.81E-09	3.43E-09	0.00E+00	6.25E-09	3.17E-09	4.99E-09	0.00E+00	8.16E-09	5.32E-10	8.50E-10	0.00E+00	1.38E-09	2.33E-10	3.41E-10	0.00E+00	5.73E-10
1398	441523	3769508	2.77E-09	3.37E-09	0.00E+00	6.14E-09	3.12E-09	4.90E-09	0.00E+00	8.02E-09	5.23E-10	8.36E-10	0.00E+00	1.36E-09	2.29E-10	3.35E-10	0.00E+00	5.64E-10
1399	441514	3769512	2.72E-09	3.32E-09	0.00E+00	6.04E-09	3.07E-09	4.82E-09	0.00E+00	7.89E-09	5.14E-10	8.22E-10	0.00E+00	1.34E-09	2.25E-10	3.29E-10	0.00E+00	5.54E-10
1400	441504.9	3769516	2.68E-09	3.26E-09	0.00E+00	5.94E-09	3.02E-09	4.74E-09	0.00E+00	7.76E-09	5.06E-10	8.09E-10	0.00E+00	1.31E-09	2.21E-10	3.24E-10	0.00E+00	5.45E-10
1401	441495.9	3769519	2.63E-09	3.21E-09	0.00E+00	5.85E-09	2.97E-09	4.67E-09	0.00E+00	7.64E-09	4.98E-10	7.96E-10	0.00E+00	1.29E-09	2.18E-10	3.19E-10	0.00E+00	5.37E-10
1402	441486.9	3769523	2.59E-09	3.16E-09	0.00E+00	5.75E-09	2.92E-09	4.59E-09	0.00E+00	7.51E-09	4.90E-10	7.83E-10	0.00E+00	1.27E-09	2.14E-10	3.14E-10	0.00E+00	5.28E-10
1403	441502.6	3768402	2.66E-08	3.24E-08	0.00E+00	5.90E-08	3.00E-08	4.71E-08	0.00E+00	7.71E-08	5.03E-09	8.04E-09	0.00E+00	1.31E-08	2.20E-09	3.22E-09	0.00E+00	5.42E-09
1404	441518.9	3768408	2.56E-08	3.12E-08	0.00E+00	5.68E-08	2.89E-08	4.54E-08	0.00E+00	7.43E-08	4.84E-09	7.74E-09	0.00E+00	1.26E-08	2.12E-09	3.10E-09	0.00E+00	5.22E-09
1405	441447.4	3768398	3.32E-08	4.05E-08	0.00E+00	7.37E-08	3.74E-08	5.89E-08	0.00E+00	9.63E-08	6.28E-09	1.00E-08	0.00E+00	1.63E-08	2.75E-09	4.02E-09	0.00E+00	6.77E-09
1406	441438	3768398	3.46E-08	4.21E-08	0.00E+00	7.67E-08	3.90E-08	6.12E-08	0.00E+00	1.00E-07	6.53E-09	1.04E-08	0.00E+00	1.70E-08	2.86E-09	4.18E-09	0.00E+00	7.04E-09
1407	441428.6	3768398	3.59E-08	4.37E-08	0.00E+00	7.96E-08	4.05E-08	6.36E-08	0.00E+00	1.04E-07	6.78E-09	1.08E-08	0.00E+00	1.76E-08	2.97E-09	4.34E-09	0.00E+00	7.31E-09
1408	441419.2	3768398	3.72E-08	4.53E-08	0.00E+00	8.25E-08	4.19E-08	6.59E-08	0.00E+00	1.08E-07	7.03E-09	1.12E-08	0.00E+00	1.83E-08	3.07E-09	4.50E-09	0.00E+00	7.57E-09
1409	441409.8	3768398	3.81E-08	4.65E-08	0.00E+00	8.46E-08	4.30E-08	6.76E-08	0.00E+00	1.11E-07	7.21E-09	1.15E-08	0.00E+00	1.87E-08	3.15E-09	4.62E-09	0.00E+00	7.77E-09
1410	441503.1	3768382	2.36E-08	2.88E-08	0.00E+00	5.23E-08	2.66E-08	4.18E-08	0.00E+00	6.84E-08	4.46E-09	7.13E-09	0.00E+00	1.16E-08	1.95E-09	2.85E-09	0.00E+00	4.80E-09
1411	441511.7	3768385	2.32E-08	2.83E-08	0.00E+00	5.16E-08	2.62E-08	4.12E-08	0.00E+00	6.74E-08	4.39E-09	7.02E-09	0.00E+00	1.14E-08	1.92E-09	2.81E-09	0.00E+00	4.73E-09
1412	441520.3	3768389	2.28E-08	2.78E-08	0.00E+00	5.06E-08	2.57E-08	4.04E-08	0.00E+00	6.61E-08	4.31E-09	6.89E-09	0.00E+00	1.12E-08	1.89E-09	2.76E-09	0.00E+00	4.65E-09
1413	441529	3768392	2.24E-08	2.73E-08	0.00E+00	4.96E-08	2.52E-08	3.96E-08	0.00E+00	6.48E-08	4.23E-09	6.75E-09	0.00E+00	1.10E-08	1.85E-09	2.71E-09	0.00E+00	4.55E-09
1414	441537.6	3768396	2.19E-08	2.67E-08	0.00E+00	4.86E-08	2.47E-08	3.88E-08	0.00E+00	6.34E-08	4.14E-09	6.61E-09	0.00E+00	1.07E-08	1.81E-09	2.65E-09	0.00E+00	4.46E-09
1415	441546.3	3768400	2.15E-08	2.62E-08	0.00E+00	4.76E-08	2.42E-08	3.80E-08	0.00E+00	6.22E-08	4.06E-09	6.48E-09	0.00E+00	1.05E-08	1.77E-09	2.60E-09	0.00E+00	4.37E-09
1416	441554.9	3768403	2.11E-08	2.57E-08	0.00E+00	4.67E-08	2.37E-08	3.73E-08	0.00E+00	6.11E-08	3.98E-09	6.36E-09	0.00E+00	1.03E-08	1.74E-09	2.55E-09	0.00E+00	4.29E-09
1417	441563.5	3768407	2.07E-08	2.52E-08	0.00E+00	4.59E-08	2.33E-08	3.66E-08	0.00E+00	5.99E-08	3.91E-09	6.24E-09	0.00E+00	1.01E-08	1.71E-09	2.50E-09	0.00E+00	4.21E-09
1418	441447.5	3768378	2.88E-08	3.51E-08	0.00E+00	6.38E-08	3.24E-08	5.10E-08	0.00E+00	8.34E-08	5.44E-09	8.69E-09	0.00E+00	1.41E-08	2.38E-09	3.48E-09	0.00E+00	5.86E-09
1419	441438.1	3768378	3.00E-08	3.65E-08	0.00E+00	6.65E-08	3.38E-08	5.31E-08	0.00E+00	8.68E-08	5.66E-09	9.05E-09	0.00E+00	1.47E-08	2.48E-09	3.62E-09	0.00E+00	6.10E-09
1420	441428.7	3768378	3.11E-08	3.80E-08	0.00E+00	6.91E-08	3.51E-08	5.52E-08	0.00E+00	9.03E-08	5.89E-09	9.41E-09	0.00E+00	1.53E-08	2.57E-09	3.77E-09	0.00E+00	6.34E-09
1421	441419.3	3768378	3.23E-08	3.94E-08	0.00E+00	7.17E-08	3.64E-08	5.72E-08	0.00E+00	9.36E-08	6.11E-09	9.76E-09	0.00E+00	1.59E-08	2.67E-09	3.91E-09	0.00E+00	6.58E-09
1422	441409.9	3768378	3.32E-08	4.05E-08	0.00E+00	7.37E-08	3.74E-08	5.88E-08	0.00E+00	9.63E-08	6.28E-09	1.00E-08	0.00E+00	1.63E-08	2.75E-09	4.02E-09	0.00E+00	6.76E-09
1423	441502.9	3768362	2.10E-08	2.56E-08	0.00E+00	4.67E-08	2.37E-08	3.73E-08	0.00E+00	6.10E-08	3.98E-09	6.35E-09	0.00E+00	1.03E-08	1.74E-09	2.55E-09	0.00E+00	4.28E-09
1424	441511.3	3768365	2.08E-08	2.53E-08	0.00E+00	4.61E-08	2.34E-08	3.68E-08	0.00E+00	6.02E-08	3.93E-09	6.28E-09	0.00E+00	1.02E-08	1.72E-09	2.51E-09	0.00E+00	4.23E-09
1425	441519.8	3768369	2.05E-08	2.50E-08	0.00E+00	4.55E-08	2.31E-08	3.63E-08	0.00E+00	5.94E-08	3.87E-09	6.19E-09	0.00E+00	1.01E-08	1.69E-09	2.48E-09	0.00E+00	4.17E-09
1426	441528.2	3768372	2.02E-08	2.46E-08	0.00E+00	4.48E-08	2.27E-08	3.57E-08	0.00E+00	5.85E-08	3.81E-09	6.09E-09	0.00E+00	9.91E-09	1.67E-09	2.44E-09	0.00E+00	4.11E-09
1427	441536.6	3768376	1.98E-08	2.42E-08	0.00E+00	4.40E-08	2.24E-08	3.52E-08	0.00E+00	5.75E-08	3.75E-09	5.99E-09	0.00E+00	9.74E-09	1.64E-09	2.40E-09	0.00E+00	4.04E-09
1428	441545	3768379	1.95E-08	2.38E-08	0.00E+00	4.33E-08	2.20E-08	3.46E-08	0.00E+00	5.66E-08	3.69E-09	5.90E-09	0.00E+00	9.59E-09	1.61E-09	2.36E-09	0.00E+00	3.98E-09
1429	441553.4	3768383	1.92E-08	2.34E-08	0.00E+00	4.26E-08	2.17E-08	3.40E-08	0.00E+00	5.57E-08	3.63E-09	5.80E-09	0.00E+00	9.43E-09	1.59E-09	2.32E-09	0.00E+00	3.91E-09
1430	441561.9	3768386	1.89E-08	2.30E-08	0.00E+00	4.19E-08	2.13E-08	3.35E-08	0.00E+00	5.47E-08	3.57E-09	5.70E-09	0.00E+00	9.27E-09	1.56E-09	2.28E-09	0.00E+00	3.85E-09
1431	441570.3	3768390	1.85E-08	2.26E-08	0.00E+00	4.11E-08	2.09E-08	3.28E-08	0.00E+00	5.37E-08	3.50E-09	5.60E-09	0.00E+00	9.10E-09	1.53E-09	2.24E-09	0.00E+00	3.78E-09
1432	441578.7	3768393	1.83E-08	2.23E-08	0.00E+00	4.05E-08	2.06E-08	3.23E-08	0.00E+00	5.29E-08	3.45E-09	5.51E-09	0.00E+00	8.97E-09	1.51E-09	2.21E-09	0.00E+00	3.72E-09
1433	441587.1	3768397	1.80E-08	2.19E-08	0.00E+00	3.99E-08	2.02E-08	3.18E-08	0.00E+00	5.21E-08	3.40E-09	5.43E-09	0.00E+00	8.82E-09	1.49E-09	2.17E-09	0.00E+00	3.66E-09
1434	441595.6	3768400	1.77E-08	2.15E-08	0.00E+00	3.92E-08	1.99E-08	3.13E-08	0.00E+00	5.12E-08	3.34E-09	5.34E-09	0.00E+00	8.68E-09	1.46E-09	2.14E-09	0.00E+00	3.60E-09
1435	441604	3768403	1.73E-08	2.11E-08	0.00E+00	3.85E-08	1.96E-08	3.07E-08	0.00E+00	5.03E-08	3.28E-09	5.24E-09	0.00E+00	8.52E-09	1.43E-09	2.10E-09	0.00E+00	3.53E-09
1436	441612.4	3768407	1.70E-08	2.08E-08	0.00E+00	3.78E-08	1.92E-08	3.02E-08	0.00E+00	4.94E-08	3.22E-09	5.14E-09	0.00E+00	8.36E-09	1.41E-09	2.06E-09	0.00E+00	3.47E-09
1437	441447.5	3768358	2.53E-08	3.08E-08	0.00E+00	5.61E-08	2.85E-08	4.48E-08	0.00E+00	7.33E-08	4.78E-09	7.64E-09	0.00E+00	1.24E-08	2.09E-09	3.06E-09	0.00E+00	5.15E-09
1438	441438.1	3768358	2.63E-08	3.21E-08	0.00E+00	5.84E-08	2.96E-08	4.66E-08	0.00E+00	7.63E-08	4.97E-09	7.95E-09	0.00E+00	1.29E-08	2.17E-09	3.18E-09	0.00E+00	5.36E-09
1439	441428.8	3768358	2.73E-08	3.33E-08	0.00E+00	6.07E-08	3.08E-08	4.84E-08	0.00E+00	7.93E-08	5.17E-09	8.26E-09	0.00E+00	1.34E-08	2.26E-09	3.31E-09	0.00E+00	5.57E-09
1440	441419.4	3768358	2.84E-08	3.46E-08	0.00E+00	6.29E-08	3.20E-08	5.03E-08	0.00E+00	8.22E-08	5.36E-09	8.57E-09	0.00E+00	1.39E-08	2.35E-09	3.43E-09	0.00E+00	5.78E-09
1441	441410	3768358	2.92E-08	3.56E-08	0.00E+00	6.48E-08	3.29E-08	5.17E-08	0.00E+00	8.46E-08	5.52E-09	8.82E-09	0.00E+00	1.43E-08	2.41E-09	3.53E-09	0.00E+00	5.95E-09
1442	441502.8	3768342	1.91E-08	2.33E-08	0.00E+00	4.25E-08	2.16E-08	3.39E-08	0.00E+00	5.55E-08	3.62E-09	5.78E-09	0.00E+00	9.40E-09	1.58E-09	2.32E-09	0.00E+00	3.90E-09
1443	441519.3	3768348	1.86E-08	2.27E-08	0.00E+00	4.13E-08	2.10E-08	3.30E-08	0.00E+00	5.40E-08	3.52E-09	5.63E-09	0.00E+00	9.15E-09	1.54E-09	2.25E-09	0.00E+00	3.79E-09
1444	441535.8	3768355	1.81E-08	2.20E-08	0.00E+00	4.01E-08	2.04E-08	3.20E-08	0.00E+00	5.24E-08	3.42E-09	5.46E-09	0.00E+00	8.88E-09	1.49E-09	2.19E-09	0.00E+00	3.68E-09
1445	441552.4	3768362	1.76E-08	2.15E-08	0.00E+00	3.91E-08	1.99E-08	3.12E-08	0.00E+00	5.11E-08	3.33E-09	5.33E-09	0.00E+00	8.66E-09	1.46E-09	2.13E-09	0.00E+00	3.59E-09
1446	441568.9	3768369	1.71E-08	2.09E-08	0.00E+00	3.80E-08	1.93E-08	3.04E-08	0.00E+00	4.97E-08	3.24E-09	5.18E-09	0.00E+00	8.42E-09	1.42E-09	2.07E-09	0.00E+00	3.49E-09
1447	441585.4	3768376	1.66E-08	2.02E-08	0.00E+00	3.68E-08	1.87E-08	2.94E-08	0.00E+00	4.81E-08	3.14E-09	5.02E-09	0.00E+00	8.15E-09	1.37E-09	2.01E-09	0.00E+00	3.38E-09
1448	441601.9	3768383	1.61E-08	1.96E-08	0.00E+00	3.57E-08	1.81E-08	2.85E-08	0.00E+00	4.67E-08	3.04E-09	4.86E-09	0.00E+00	7.90E-09	1.33E-09	1.95E-09	0.00E+00	3.28E-09
1449	441618.4	3768389	1.56E-08	1.90E-08	0.00E+00	3.45E-08	1.75E-08	2.76E-08	0.00E+00	4.51E-08	2.94E-09	4.70E-09	0.00E+00	7.64E-09	1.29E-09	1.88E-09	0.00E+00	3.17E-09
1450	441638.4	3768405	1.53E-08	1.87E-08	0.00E+00	3.40E-08	1.73E-08	2.71E-08	0.00E+00	4.44E-08	2.89E-09	4.63E-09	0.00E+00	7.52E-09	1.27E-09	1.85E-09	0.00E+00	3.12E-09
1451	441447.6	3768338	2.27E-08	2.77E-08	0.00E+00	5.04E-08	2.56E-08	4.03E-08	0.00E+00	6.59E-08	4.30E-09	6.87E-09	0.00E+00	1.12E-08	1.88E-09	2.75E-09	0.00E+00	4.63E-09
1452	441438.2	3768338	2.36E-08	2.88E-08	0.00E+00	5.24E-08	2.66E-08	4.18E-08	0.00E+00	6.84E-08	4.46E-09	7.13E-09	0.00E+00	1.16E-08	1.95E-09	2.86E-09	0.00E+00	4.81E-09
1453	441428.8	3768338	2.45E-08	2.98E-08	0.00E+00	5.43E-08	2.76E-08	4.33E-08	0.00E+00	7.09E-08	4.62E-09	7.39E-09	0.00E+00	1.20E-08	2.02E-09	2.96E-09	0.00E+00	4.98E-09

1454	441419.4	3768338	2.53E-08	3.09E-08	0.00E+00	5.62E-08	2.85E-08	4.49E-08	0.00E+00	7.34E-08	4.79E-09	7.65E-09	0.00E+00	1.24E-08	2.09E-09	3.07E-09	0.00E+00	5.16E-09
1455	441410	3768338	2.60E-08	3.17E-08	0.00E+00	5.78E-08	2.93E-08	4.61E-08	0.00E+00	7.55E-08	4.92E-09	7.86E-09	0.00E+00	1.28E-08	2.15E-09	3.15E-09	0.00E+00	5.30E-09
1456	441503.2	3768322	1.74E-08	2.13E-08	0.00E+00	3.87E-08	1.96E-08	3.09E-08	0.00E+00	5.05E-08	3.30E-09	5.27E-09	0.00E+00	8.56E-09	1.44E-09	2.11E-09	0.00E+00	3.55E-09
1457	441511.8	3768325	1.73E-08	2.11E-08	0.00E+00	3.83E-08	1.95E-08	3.06E-08	0.00E+00	5.01E-08	3.27E-09	5.22E-09	0.00E+00	8.49E-09	1.43E-09	2.09E-09	0.00E+00	3.52E-09
1458	441520.4	3768329	1.70E-08	2.08E-08	0.00E+00	3.78E-08	1.92E-08	3.02E-08	0.00E+00	4.94E-08	3.22E-09	5.15E-09	0.00E+00	8.37E-09	1.41E-09	2.06E-09	0.00E+00	3.47E-09
1459	441528.9	3768332	1.68E-08	2.05E-08	0.00E+00	3.72E-08	1.89E-08	2.97E-08	0.00E+00	4.86E-08	3.17E-09	5.07E-09	0.00E+00	8.24E-09	1.39E-09	2.03E-09	0.00E+00	3.42E-09
1460	441537.5	3768336	1.65E-08	2.01E-08	0.00E+00	3.66E-08	1.86E-08	2.93E-08	0.00E+00	4.79E-08	3.12E-09	4.99E-09	0.00E+00	8.11E-09	1.37E-09	2.00E-09	0.00E+00	3.36E-09
1461	441546.1	3768339	1.63E-08	1.99E-08	0.00E+00	3.62E-08	1.84E-08	2.89E-08	0.00E+00	4.73E-08	3.08E-09	4.93E-09	0.00E+00	8.01E-09	1.35E-09	1.97E-09	0.00E+00	3.32E-09
1462	441554.7	3768343	1.61E-08	1.97E-08	0.00E+00	3.58E-08	1.82E-08	2.86E-08	0.00E+00	4.68E-08	3.05E-09	4.87E-09	0.00E+00	7.92E-09	1.33E-09	1.95E-09	0.00E+00	3.29E-09
1463	441563.2	3768347	1.59E-08	1.94E-08	0.00E+00	3.54E-08	1.80E-08	2.83E-08	0.00E+00	4.62E-08	3.01E-09	4.82E-09	0.00E+00	7.83E-09	1.32E-09	1.93E-09	0.00E+00	3.25E-09
1464	441571.8	3768350	1.57E-08	1.92E-08	0.00E+00	3.49E-08	1.77E-08	2.79E-08	0.00E+00	4.56E-08	2.98E-09	4.76E-09	0.00E+00	7.73E-09	1.30E-09	1.91E-09	0.00E+00	3.21E-09
1465	441580.4	3768354	1.55E-08	1.89E-08	0.00E+00	3.44E-08	1.75E-08	2.75E-08	0.00E+00	4.50E-08	2.93E-09	4.68E-09	0.00E+00	7.62E-09	1.28E-09	1.88E-09	0.00E+00	3.16E-09
1466	441589	3768357	1.53E-08	1.86E-08	0.00E+00	3.39E-08	1.72E-08	2.70E-08	0.00E+00	4.42E-08	2.88E-09	4.61E-09	0.00E+00	7.49E-09	1.26E-09	1.85E-09	0.00E+00	3.11E-09
1467	441597.6	3768361	1.50E-08	1.83E-08	0.00E+00	3.33E-08	1.69E-08	2.66E-08	0.00E+00	4.35E-08	2.84E-09	4.53E-09	0.00E+00	7.37E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
1468	441606.1	3768364	1.48E-08	1.80E-08	0.00E+00	3.28E-08	1.67E-08	2.62E-08	0.00E+00	4.28E-08	2.79E-09	4.46E-09	0.00E+00	7.26E-09	1.22E-09	1.79E-09	0.00E+00	3.01E-09
1469	441614.7	3768368	1.46E-08	1.77E-08	0.00E+00	3.23E-08	1.64E-08	2.58E-08	0.00E+00	4.22E-08	2.75E-09	4.40E-09	0.00E+00	7.15E-09	1.20E-09	1.76E-09	0.00E+00	2.96E-09
1470	441623.3	3768371	1.43E-08	1.75E-08	0.00E+00	3.18E-08	1.61E-08	2.54E-08	0.00E+00	4.15E-08	2.71E-09	4.33E-09	0.00E+00	7.04E-09	1.18E-09	1.73E-09	0.00E+00	2.92E-09
1471	441631.9	3768375	1.41E-08	1.72E-08	0.00E+00	3.13E-08	1.59E-08	2.50E-08	0.00E+00	4.08E-08	2.66E-09	4.26E-09	0.00E+00	6.92E-09	1.16E-09	1.70E-09	0.00E+00	2.87E-09
1472	441640.4	3768379	1.38E-08	1.69E-08	0.00E+00	3.07E-08	1.56E-08	2.45E-08	0.00E+00	4.01E-08	2.61E-09	4.18E-09	0.00E+00	6.79E-09	1.14E-09	1.67E-09	0.00E+00	2.82E-09
1473	441652.6	3768391	1.38E-08	1.69E-08	0.00E+00	3.07E-08	1.56E-08	2.45E-08	0.00E+00	4.02E-08	2.62E-09	4.18E-09	0.00E+00	6.80E-09	1.15E-09	1.68E-09	0.00E+00	2.82E-09
1474	441656.2	3768399	1.41E-08	1.72E-08	0.00E+00	3.13E-08	1.59E-08	2.50E-08	0.00E+00	4.09E-08	2.67E-09	4.26E-09	0.00E+00	6.93E-09	1.17E-09	1.71E-09	0.00E+00	2.87E-09
1475	441659.8	3768408	1.44E-08	1.75E-08	0.00E+00	3.19E-08	1.62E-08	2.55E-08	0.00E+00	4.17E-08	2.72E-09	4.35E-09	0.00E+00	7.07E-09	1.19E-09	1.74E-09	0.00E+00	2.93E-09
1476	441447.7	3768318	2.05E-08	2.50E-08	0.00E+00	4.55E-08	2.31E-08	3.64E-08	0.00E+00	5.95E-08	3.88E-09	6.20E-09	0.00E+00	1.01E-08	1.70E-09	2.48E-09	0.00E+00	4.18E-09
1477	441438.3	3768318	2.12E-08	2.59E-08	0.00E+00	4.71E-08	2.39E-08	3.76E-08	0.00E+00	6.16E-08	4.02E-09	6.42E-09	0.00E+00	1.04E-08	1.76E-09	2.57E-09	0.00E+00	4.33E-09
1478	441428.9	3768318	2.20E-08	2.68E-08	0.00E+00	4.88E-08	2.48E-08	3.89E-08	0.00E+00	6.37E-08	4.15E-09	6.64E-09	0.00E+00	1.08E-08	1.82E-09	2.66E-09	0.00E+00	4.48E-09
1479	441419.5	3768318	2.27E-08	2.77E-08	0.00E+00	5.04E-08	2.56E-08	4.02E-08	0.00E+00	6.58E-08	4.29E-09	6.86E-09	0.00E+00	1.12E-08	1.88E-09	2.75E-09	0.00E+00	4.63E-09
1480	441410.1	3768318	2.33E-08	2.84E-08	0.00E+00	5.17E-08	2.63E-08	4.13E-08	0.00E+00	6.76E-08	4.41E-09	7.04E-09	0.00E+00	1.15E-08	1.93E-09	2.82E-09	0.00E+00	4.75E-09
1481	441503.1	3768302	1.59E-08	1.94E-08	0.00E+00	3.52E-08	1.79E-08	2.81E-08	0.00E+00	4.60E-08	3.00E-09	4.80E-09	0.00E+00	7.80E-09	1.31E-09	1.92E-09	0.00E+00	3.24E-09
1482	441511.5	3768305	1.57E-08	1.92E-08	0.00E+00	3.49E-08	1.77E-08	2.79E-08	0.00E+00	4.56E-08	2.98E-09	4.75E-09	0.00E+00	7.73E-09	1.30E-09	1.90E-09	0.00E+00	3.21E-09
1483	441520	3768309	1.56E-08	1.90E-08	0.00E+00	3.46E-08	1.76E-08	2.76E-08	0.00E+00	4.52E-08	2.94E-09	4.71E-09	0.00E+00	7.65E-09	1.29E-09	1.89E-09	0.00E+00	3.17E-09
1484	441528.4	3768312	1.54E-08	1.88E-08	0.00E+00	3.42E-08	1.74E-08	2.73E-08	0.00E+00	4.46E-08	2.91E-09	4.65E-09	0.00E+00	7.56E-09	1.27E-09	1.86E-09	0.00E+00	3.14E-09
1485	441536.8	3768316	1.52E-08	1.85E-08	0.00E+00	3.37E-08	1.71E-08	2.69E-08	0.00E+00	4.41E-08	2.87E-09	4.59E-09	0.00E+00	7.47E-09	1.26E-09	1.84E-09	0.00E+00	3.10E-09
1486	441545.2	3768319	1.50E-08	1.83E-08	0.00E+00	3.34E-08	1.70E-08	2.67E-08	0.00E+00	4.36E-08	2.84E-09	4.54E-09	0.00E+00	7.39E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
1487	441553.6	3768323	1.49E-08	1.82E-08	0.00E+00	3.30E-08	1.68E-08	2.64E-08	0.00E+00	4.32E-08	2.82E-09	4.50E-09	0.00E+00	7.31E-09	1.23E-09	1.80E-09	0.00E+00	3.03E-09
1488	441562.1	3768326	1.47E-08	1.80E-08	0.00E+00	3.27E-08	1.66E-08	2.61E-08	0.00E+00	4.27E-08	2.79E-09	4.45E-09	0.00E+00	7.24E-09	1.22E-09	1.78E-09	0.00E+00	3.00E-09
1489	441570.5	3768330	1.46E-08	1.78E-08	0.00E+00	3.24E-08	1.64E-08	2.58E-08	0.00E+00	4.23E-08	2.76E-09	4.41E-09	0.00E+00	7.16E-09	1.21E-09	1.76E-09	0.00E+00	2.97E-09
1490	441578.9	3768333	1.44E-08	1.76E-08	0.00E+00	3.20E-08	1.62E-08	2.55E-08	0.00E+00	4.18E-08	2.72E-09	4.35E-09	0.00E+00	7.08E-09	1.19E-09	1.74E-09	0.00E+00	2.94E-09
1491	441587.3	3768337	1.42E-08	1.73E-08	0.00E+00	3.16E-08	1.60E-08	2.52E-08	0.00E+00	4.13E-08	2.69E-09	4.30E-09	0.00E+00	6.99E-09	1.18E-09	1.72E-09	0.00E+00	2.90E-09
1492	441595.7	3768340	1.40E-08	1.71E-08	0.00E+00	3.11E-08	1.58E-08	2.49E-08	0.00E+00	4.07E-08	2.65E-09	4.24E-09	0.00E+00	6.89E-09	1.16E-09	1.70E-09	0.00E+00	2.86E-09
1493	441604.2	3768343	1.38E-08	1.69E-08	0.00E+00	3.07E-08	1.56E-08	2.45E-08	0.00E+00	4.01E-08	2.61E-09	4.18E-09	0.00E+00	6.79E-09	1.14E-09	1.67E-09	0.00E+00	2.82E-09
1494	441612.6	3768347	1.36E-08	1.66E-08	0.00E+00	3.02E-08	1.54E-08	2.41E-08	0.00E+00	3.95E-08	2.57E-09	4.11E-09	0.00E+00	6.69E-09	1.13E-09	1.65E-09	0.00E+00	2.77E-09
1495	441621	3768350	1.34E-08	1.64E-08	0.00E+00	2.98E-08	1.51E-08	2.38E-08	0.00E+00	3.89E-08	2.54E-09	4.05E-09	0.00E+00	6.59E-09	1.11E-09	1.62E-09	0.00E+00	2.73E-09
1496	441629.4	3768354	1.32E-08	1.61E-08	0.00E+00	2.94E-08	1.49E-08	2.34E-08	0.00E+00	3.83E-08	2.50E-09	4.00E-09	0.00E+00	6.50E-09	1.09E-09	1.60E-09	0.00E+00	2.69E-09
1497	441637.9	3768357	1.30E-08	1.58E-08	0.00E+00	2.88E-08	1.46E-08	2.30E-08	0.00E+00	3.77E-08	2.46E-09	3.93E-09	0.00E+00	6.38E-09	1.07E-09	1.57E-09	0.00E+00	2.65E-09
1498	441646.3	3768361	1.28E-08	1.56E-08	0.00E+00	2.83E-08	1.44E-08	2.26E-08	0.00E+00	3.70E-08	2.41E-09	3.85E-09	0.00E+00	6.27E-09	1.05E-09	1.54E-09	0.00E+00	2.60E-09
1499	441654.7	3768364	1.25E-08	1.53E-08	0.00E+00	2.78E-08	1.41E-08	2.22E-08	0.00E+00	3.63E-08	2.37E-09	3.79E-09	0.00E+00	6.15E-09	1.04E-09	1.52E-09	0.00E+00	2.55E-09
1500	441494.7	3768298	1.60E-08	1.95E-08	0.00E+00	3.56E-08	1.81E-08	2.84E-08	0.00E+00	4.65E-08	3.03E-09	4.84E-09	0.00E+00	7.88E-09	1.33E-09	1.94E-09	0.00E+00	3.27E-09
1501	441485.3	3768298	1.65E-08	2.01E-08	0.00E+00	3.66E-08	1.86E-08	2.92E-08	0.00E+00	4.78E-08	3.12E-09	4.98E-09	0.00E+00	8.10E-09	1.36E-09	1.99E-09	0.00E+00	3.36E-09
1502	441475.9	3768298	1.70E-08	2.07E-08	0.00E+00	3.77E-08	1.91E-08	3.01E-08	0.00E+00	4.92E-08	3.21E-09	5.13E-09	0.00E+00	8.33E-09	1.40E-09	2.05E-09	0.00E+00	3.46E-09
1503	441466.5	3768298	1.75E-08	2.13E-08	0.00E+00	3.88E-08	1.97E-08	3.10E-08	0.00E+00	5.07E-08	3.31E-09	5.29E-09	0.00E+00	8.59E-09	1.45E-09	2.12E-09	0.00E+00	3.56E-09
1504	441457.1	3768298	1.80E-08	2.20E-08	0.00E+00	4.00E-08	2.03E-08	3.20E-08	0.00E+00	5.23E-08	3.41E-09	5.45E-09	0.00E+00	8.86E-09	1.49E-09	2.18E-09	0.00E+00	3.67E-09
1505	441447.7	3768298	1.86E-08	2.27E-08	0.00E+00	4.13E-08	2.10E-08	3.30E-08	0.00E+00	5.39E-08	3.52E-09	5.62E-09	0.00E+00	9.14E-09	1.54E-09	2.25E-09	0.00E+00	3.79E-09
1506	441438.3	3768298	1.92E-08	2.34E-08	0.00E+00	4.27E-08	2.17E-08	3.41E-08	0.00E+00	5.57E-08	3.63E-09	5.81E-09	0.00E+00	9.44E-09	1.59E-09	2.33E-09	0.00E+00	3.92E-09
1507	441428.9	3768298	1.99E-08	2.42E-08	0.00E+00	4.41E-08	2.24E-08	3.52E-08	0.00E+00	5.76E-08	3.75E-09	6.00E-09	0.00E+00	9.75E-09	1.64E-09	2.40E-09	0.00E+00	4.04E-09
1508	441419.6	3768298	2.05E-08	2.50E-08	0.00E+00	4.54E-08	2.31E-08	3.63E-08	0.00E+00	5.94E-08	3.87E-09	6.19E-09	0.00E+00	1.01E-08	1.69E-09	2.48E-09	0.00E+00	4.17E-09
1509	441410.2	3768298	2.10E-08	2.56E-08	0.00E+00	4.66E-08	2.37E-08	3.72E-08	0.00E+00	6.09E-08	3.97E-09	6.34E-09	0.00E+00	1.03E-08	1.74E-09	2.54E-09	0.00E+00	4.28E-09
1510	441503	3768282	1.46E-08	1.78E-08	0.00E+00	3.25E-08	1.65E-08	2.59E-08	0.00E+00	4.24E-08	2.77E-09	4.42E-09	0.00E+00	7.19E-09	1.21E-09	1.77E-09	0.00E+00	2.98E-09
1511	441511.3	3768285	1.45E-08	1.76E-08	0.00E+00	3.21E-08	1.63E-08	2.57E-08	0.00E+00	4.20E-08	2.74E-09	4.37E-09	0.00E+00	7.11E-09	1.20E-09	1.75E-09	0.00E+00	2.95E-09
1512	441527.9	3768292	1.42E-08	1.73E-08	0.00E+00	3.15E-08	1.60E-08	2.52E-08	0.00E+00	4.12E-08	2.69E-09	4.29E-09	0.00E+00	6.98E-09	1.18E-09	1.72E-09	0.00E+00	2.90E-09
1513	441544.5	3768299	1.39E-08	1.70E-08	0.00E+00	3.09E-08	1.57E-08	2.47E-08	0.00E+00	4.04E-08	2.63E-09	4.21E-09	0.00E+00	6.84E-09	1.15E-09	1.68E-09	0.00E+00	2.84E-09
1514	441552.8	3768302	1.38E-08	1.68E-08	0.00E+00	3.06E-08	1.55E-08	2.44E-08	0.00E+00	4.00E-08	2.61E-09	4.17E-09	0.00E+00	6.78E-09	1.14E-09	1.67E-09	0.00E+00	2.81E-09
1515	441569.4	3768309	1.35E-08	1.65E-08	0.00E+00	3.00E-08	1.53E-08	2.40E-08	0.00E+00	3.93E-08	2.56E-09	4.09E-09	0.00E+00	6.65E-09	1.12E-09	1.64E-09	0.00E+00	2.76E-09
1516	441586	3768316	1.33E-08	1.62E-08	0.00E+00	2.94E-08	1.50E-08	2.35E-08	0.00E+00	3.85E-08	2.51E-09	4.01E-09	0.00E+00	6.51E-09	1.10E-09	1.61E-09	0.00E+00	2.70E-09
1517	441602.6	3768323	1.30E-08	1.58E-08	0.00E+00	2.88E-08	1.46E-08	2.30E-08	0.00E+00	3.76E-08	2.45E-09	3.91E-09	0.00E+00	6.36E-09	1.07E-09	1.57E-09	0.00E+00	2.64E-09
1518	441610.9	3768326	1.28E-08	1.56E-08	0.00E+00	2.83E-08	1.44E-08	2.26E-08	0.00E+00	3.70E-08	2.41E-09	3.86E-09	0.00E+00	6.27E-09	1.06E-09	1.55E-09	0.00E+00	2.60E-09
1519	441627.5	3768333	1.24E-08	1.51E-08	0.00E+00	2.75E-08	1.40E-08	2.20E-08	0.00E+00	3.60E-08	2.34E-09	3.75E-09	0.00E+00	6.09E-09	1.03E-09	1.50E-09	0.00E+00	2.53E-09
1520	441635.7	3768337	1.22E-08	1.49E-08	0.00E+00	2.71E-08	1.38E-08	2.16E-08	0.00E+00	3.54E-08	2.31E-09	3.69E-09	0.00E+00	5.99E-09	1.01E-09	1.48E-09	0.00E+00	2.49E-09
1521	441652.3	3768343	1.18E-08	1.44E-08	0.00E+00	2.61E-08	1.33E-08	2.09E-08	0.00E+00	3.42E-08	2.23E-09	3.56E-09	0.00E+00	5.79E-09	9.74E-10	1.43E-09	0.00E+00	2.40E-09
1522	441694.6	3768395	1.22E-08	1.48E-08	0.00E+00	2.70E-08	1.37E-08	2.15E-08	0.00E+00	3.52E-08	2.30E-09	3.67E-09	0.00E+00	5.97E-09	1.01E-09	1.47E-09	0.00E+00	2.48E-09
1523	441485.4	3768278	1.52E-08	1.85E-08	0.00E+00	3.38E-08	1.71E-08	2.70E-08	0.00E+00	4.41E-08	2.88E-09	4.60E-09	0.00E+00	7.47E-09	1.26E-09	1.84E-09	0.00E+00	3.10E-09
1524	441476	3768278	1.57E-08	1.91E-08	0.00E+00	3.48E-08	1.77E-08	2.78E-08	0.00E+00	4.54E-08	2.96E-09	4.73E-09	0.00E+00	7.69E-09	1.30E-09	1.90E-09	0.00E+00	3.19E-09
1525	441466.6	3768278	1.62E-08	1.97E-08	0.00E+00	3.59E-08	1.82E-08	2.86E-08	0.00E+00	4.68E-08	3.05E-09	4.88E-09	0.00E+00	7.94E-09	1.34E-09	1.96E-09	0.00E+00	3.29E-09
1526	441457.2	3768278	1.67E-08	2.03E-08	0.00E+00	3.70E-08	1.88E-08	2.95E-08	0.00E+00	4.83E-08	3.15E-09	5.03E-09	0.00E+00	8.18E-09	1.38E-09	2.02E-09	0.00E+00	3.39E-09
1527	441447.8	3768278	1.72E-08	2.09E-08	0.00E+00	3.81E-08	1.94E-08	3.04E-08	0.00E+00	4.98E-08	3.25E-09	5.19E-09	0.00E+00	8.43E-09	1.42E-09	2.08E-09	0.00E+00	3.50E-09
1528	441438.4	3768278	1.77E-08	2.15E-08	0.00E+00	3.92E-08	1.99E-08	3.13E-08	0.00E+00	5.12E-08	3.34E-09	5.34E-09	0.00E+00	8.68E-09	1.46E-09	2.14E-09	0.00E+00	3.60E-09
1529	441429	3768278	1.82E-08	2.22E-08	0.00E+00	4.03E-08	2.05E-08	3.22E-08	0.00E+00	5.27E-08	3.44E-09	5.49E-09	0.00E+00	8.93E-09	1.50E-09	2.20E-09	0.00E+00	3.70E-09
1530	441419.6	3768278	1.87E-08	2.28E-08	0.00E+00	4.15E-08	2.11E-08	3.31E-08	0.00E+00	5.42E-08	3.53E-09	5.65E-09	0.00E+00	9.18E-09	1.55E-09	2.26E-09	0.00E+00	3.81E-09
1531	441410.2	3768278	1.91E-08	2.33E-08	0.00E+00	4.24E-08	2.15E-08	3.38E-08	0.00E+00	5.54E-08	3.61E-09	5.77E-09	0.00E+00	9.38E-09	1.58E-09	2.31E-09	0.00E+00	3.89E-09
1532	441503.4	3768262	1.36E-08	1.65E-08	0.00E+00	3.01E-08	1.53E-08	2.40E-08	0.00E+00	3.93E-08	2.56E-09	4.09E-09	0.00E+00	6.66E-09	1.12E-09	1.64E-09	0.00E+00	2.76E-09
1533	441511.9	3768265	1.34E-08	1.63E-08	0.00E+00	2.97E-08	1.51E-08	2.38E-08	0.00E+00	3.89E-08	2.53E-09	4.05E-09	0.00E+00	6.58E-09	1.11E-09	1.62E-09	0.00E+00	2.73E-09
1534	441520.4	3768269	1.33E-08	1.62E-08	0.00E+00	2.95E-08	1.50E-08	2.36E-08	0.00E+00	3.86E-08	2.52E-09	4.02E-09	0.00E+00	6.53E-09	1.10E-09	1.61E-09	0.00E+00	2.71E-09
1535	441529	3768272	1.32E-08	1.61E-08	0.00E+00	2.93E-08	1.49E-08	2.34E-08	0.00E+00	3.83E-08	2.50E-09	3.99E-09	0.00E+00	6.48E-09	1.09E-09	1.60E-09	0.00E+00	2.69E-09
1536	441537.5	3768276	1.31E-08	1.60E-08	0.00E+00	2.90E-08	1.48E-08	2.32E-08	0.00E+00	3.79E-08	2.47E-09	3.95E-09	0.00E+00	6.43E-09	1.08E-09	1.58E-09	0.00E+00	2.67E-09
1537	441546.1	3768279	1.30E-08	1.58E-08	0.00E+00	2.88E-08	1.46E-08	2.30E-08	0.00E+00	3.77E-08	2.46E-09	3.92E-09	0.00E+00	6.38E-09	1.07E-09	1.57E-09	0.00E+00	2.65E-09
1538	441554.6	3768283	1.29E-08	1.57E-08	0.00E+00	2.86E-08	1.45E-08	2.28E-08	0.00E+00	3.74E-08	2.44E-09	3.89E-09	0.00E+00	6.33E-09	1.07E-09	1.56E-09	0.00E+00	2.63E-09
1539	441563.2	3768286	1.28E-08	1.56E-08	0.00E+00	2.83E-08	1.44E-08	2.26E-08	0.00E+00	3.70E-08	2.41E-09	3.86E-09	0.00E+00	6.27E-09	1.06E-09	1.55E-09	0.00E+00	2.60E-09
1540	441571.7	3768290	1.26E-08	1.54E-08	0.00E+00	2.80E-08	1.42E-08	2.24E-08	0.00E+00	3.66E-08	2.39E-09	3.82E-09	0.00E+00	6.21E-09	1.04E-09	1.53E-09	0.00E+00	2.57E-09
1541	441580.3	3768294	1.25E-08	1.52E-08	0.00E+00	2.77E-08	1.41E-08	2.21E-08	0.00E+00	3.62E-08	2.36E-09	3.77E-09	0.00E+00	6.13E-09	1.03E-09	1.51E-09	0.00E+00	2.54E-09
1542	441588.8	3768297	1.23E-08	1.50E-08	0.00E+00	2.74E-08	1.39E-08	2.19E-08	0.00E+00	3.58E-08	2.33E-09	3.73E-09	0.00E+00	6.06E-09	1.02E-09	1.49E-09	0.00E+00	2.51E-09
1543	441597.3	3768301	1.22E-08	1.49E-08	0.00E+00	2.71E-08	1.37E-08	2.16E-08	0.00E+00	3.53E-08	2.30E-09	3.68E-09	0.00E+00	5.99E-09	1.01E-09	1.48E-09	0.00E+00	2.48E-09
1544	441605.9	3768304	1.20E-08	1.47E-08	0.00E+00	2.67E-08	1.36E-08	2.13E-08	0.00E+00	3.49E-08	2.28E-09	3.64E-09	0.00E+00	5.91E-09	9.95E-10	1.46E-09	0.00E+00	2.45E-09
1545	441614.4	3768308	1.19E-08	1.45E-08	0.00E+00	2.63E-08	1.34E-08	2.10E-08	0.00E+00	3.44E-08	2.24E-09	3.59E-09	0.00E+00	5.83E-09	9.82E-10	1.44E-09	0.00E+00	2.42E-09
1546	441623	3768311	1.17E-08	1.43E-08	0.00E+00	2.60E-08	1.32E-08	2.07E-08	0.00E+00	3.39E-08	2.21E-09	3.54E-09	0.00E+00	5.75E-09	9.68E-10	1.42E-09	0.00E+00	2.38E-09
1547	441631.5	3768315	1.15E-08	1.41E-08	0.00E+00	2.56E-08	1.30E-08	2.04E-08	0.00E+00	3.34E-08	2.18E-09	3.48E-09	0.00E+00	5.66E-09	9.54E-10	1.40E-09	0.00E+00	2.35E-09
1548	441640.1	3768318	1.13E-08	1.38E-08	0.00E+00	2.52E-08	1.28E-08	2.01E-08	0.00E+00	3.29E-08	2.14E-09	3.43E-09	0.00E+00	5.57E-09	9.37E-10	1.37E-09	0.00E+00	2.31E-09
1549	441648.6	3768322	1.11E-08	1.36E-08	0.00E+00	2.47E-08	1.26E-08	1.98E-08	0.00E+00	3.23E-08	2.11E-09	3.37E-09	0.00E+00	5.47E-09	9.22E-10	1.35E-09	0.00E+00	2.27E-09
1550	441657.1	3768325	1.10E-08	1.34E-08	0.00E+00	2.43E-08	1.23E-08	1.94E-08	0.00E+00	3.18E-08	2.07E-09	3.31E-09	0.00E+00	5.38E-09	9.06E-10	1.33E-09	0.00E+00	2.23E-09
1551	441665.7	3768329	1.08E-08	1.31E-08	0.00E+00	2.39E-08	1.21E-08	1.91E-08	0.00E+00	3.12E-08	2.04E-09	3.25E-09	0.00E+00	5.29E-09	8.90E-10	1.30E-09	0.00E+00	2.19E-09
1552	441694.9	3768348	1.03E-08	1.26E-08	0.00E+00	2.29E-08	1.16E-08	1.83E-08	0.00E+00	2.99E-08	1.95E-09	3.12E-09	0.00E+00	5.07E-09	8.53E-10	1.25E-09	0.00E+00	2.10E-09
1553	441698.5	3768357	1.04E-08	1.27E-08	0.00E+00	2.31E-08	1.17E-08	1.85E-08	0.00E+00	3.02E-08	1.97E-09	3.15E-09	0.00E+00	5.12E-09	8.62E-10	1.26E-09	0.00E+00	2.12E-09
1554	441702.1	3768365	1.06E-08	1.29E-08	0.00E+00	2.35E-08	1.19E-08	1.87E-08	0.00E+00	3.07E-08	2.00E-09	3.19E-09	0.00E+00	5.19E-09	8.74E-10	1.28E-09	0.00E+00	2.15E-09
1555	441705.7	3768374	1.08E-08	1.31E-08	0.00E+00	2.39E-08	1.21E-08	1.91E-08	0.00E+00	3.12E-08	2.03E-09	3.25E-09	0.00E+00	5.28E-09	8.90E-10	1.30E-09	0.00E+00	2.19E-09
1556	441709.3	3768382	1.10E-08	1.34E-08	0.00E+00	2.43E-08	1.24E-08	1.94E-08	0.00E+00	3.18E-08	2.07E-09	3.31E-09	0.00E+00	5.38E-09	9.06E-10	1.33E-09	0.00E+00	2.23E-09
1557	441712.9	3768391	1.12E-08	1.36E-08	0.00E+00	2.48E-08	1.26E-08	1.98E-08	0.00E+00	3.24E-08	2.11E-09	3.38E-09	0.00E+00	5.49E-09	9.24E-10	1.35E-09	0.00E+00	2.28E-09
1558	441494.8	3768258	1.37E-08	1.67E-08	0.00E+00	3.04E-08	1.54E-08	2.43E-08	0.00E+00	3.97E-08	2.59E-09	4.14E-09	0.00E+00	6.73E-09	1.13E-09	1.66E-09	0.00E+00	2.79E-09
1559	441485.4	3768258	1.41E-08	1.71E-08	0.00E+00	3.12E-08	1.58E-08	2.49E-08	0.00E+00	4.08E-08	2.66E-09	4.25E-09	0.00E+00	6.91E-09	1.16E-09	1.70E-09	0.00E+00	2.86E-09
1560	441476	3768258	1.45E-08	1.76E-08	0.00E+00	3.21E-08	1.63E-08	2.56E-08	0.00E+00	4.19E-08	2.73E-09	4.37E-09	0.00E+00	7.10E-09	1.20E-09	1.75E-09	0.00E+00	2.95E-09
1561	441466.6	3768258	1.49E-08	1.82E-08	0.00E+00	3.31E-08	1.68E-08	2.64E-08	0.00E+00	4.33E-08	2.82E-09	4.51E-09	0.00E+00	7.33E-09	1.23E-09	1.81E-09	0.00E+00	3.04E-09
1562	441457.3	3768258	1.54E-08	1.88E-08	0.00E+00	3.42E-08	1.73E-08	2.73E-08	0.00E+00	4.46E-08	2.91E-09	4.65E-09	0.00E+00	7.56E-09	1.27E-09	1.86E-09	0.00E+00	3.14E-09
1563	441447.9	3768258	1.59E-08	1.93E-08	0.00E+00	3.52E-08	1.79E-08	2.81E-08	0.00E+00	4.60E-08	3.00E-09	4.79E-09	0.00E+00	7.79E-09	1.31E-09	1.92E-09	0.00E+00	3.23E-09
1564	441438.5	3768258	1.63E-08	1.98E-08	0.00E+00	3.61E-08	1.84E-08	2.89E-08	0.00E+00	4.72E-08	3.08E-09	4.92E-09	0.00E+00	8.00E-09	1.35E-09	1.97E-09	0.00E+00	3.32E-09
1565	441429.1	3768258	1.67E-08	2.04E-08	0.00E+00	3.71E-08	1.88E-08	2.96E-08	0.00E+00	4.85E-08	3.16E-09	5.05E-09	0.00E+00	8.21E-09	1.38E-09	2.02E-09	0.00E+00	3.40E-09

1566	441419.7	3768258	1.71E-08	2.09E-08	0.00E+00	3.80E-08	1.93E-08	3.04E-08	0.00E+00	4.97E-08	3.24E-09	5.18E-09	0.00E+00	8.42E-09	1.42E-09	2.07E-09	0.00E+00	3.49E-09
1567	441410.3	3768258	1.75E-08	2.13E-08	0.00E+00	3.88E-08	1.97E-08	3.10E-08	0.00E+00	5.07E-08	3.30E-09	5.28E-09	0.00E+00	8.58E-09	1.44E-09	2.11E-09	0.00E+00	3.56E-09
1568	441503.3	3768242	1.26E-08	1.54E-08	0.00E+00	2.80E-08	1.42E-08	2.24E-08	0.00E+00	3.66E-08	2.39E-09	3.81E-09	0.00E+00	6.20E-09	1.04E-09	1.53E-09	0.00E+00	2.57E-09
1569	441511.7	3768245	1.25E-08	1.53E-08	0.00E+00	2.78E-08	1.41E-08	2.22E-08	0.00E+00	3.63E-08	2.37E-09	3.78E-09	0.00E+00	6.15E-09	1.04E-09	1.52E-09	0.00E+00	2.55E-09
1570	441520.1	3768249	1.25E-08	1.52E-08	0.00E+00	2.76E-08	1.40E-08	2.21E-08	0.00E+00	3.61E-08	2.36E-09	3.76E-09	0.00E+00	6.12E-09	1.03E-09	1.51E-09	0.00E+00	2.54E-09
1571	441528.6	3768252	1.24E-08	1.51E-08	0.00E+00	2.75E-08	1.40E-08	2.19E-08	0.00E+00	3.59E-08	2.34E-09	3.74E-09	0.00E+00	6.08E-09	1.02E-09	1.50E-09	0.00E+00	2.52E-09
1572	441537	3768256	1.23E-08	1.50E-08	0.00E+00	2.73E-08	1.39E-08	2.18E-08	0.00E+00	3.57E-08	2.32E-09	3.72E-09	0.00E+00	6.04E-09	1.02E-09	1.49E-09	0.00E+00	2.51E-09
1573	441545.4	3768259	1.22E-08	1.49E-08	0.00E+00	2.71E-08	1.38E-08	2.16E-08	0.00E+00	3.54E-08	2.31E-09	3.69E-09	0.00E+00	5.99E-09	1.01E-09	1.48E-09	0.00E+00	2.49E-09
1574	441553.8	3768263	1.21E-08	1.48E-08	0.00E+00	2.69E-08	1.37E-08	2.15E-08	0.00E+00	3.51E-08	2.29E-09	3.66E-09	0.00E+00	5.95E-09	1.00E-09	1.47E-09	0.00E+00	2.47E-09
1575	441562.3	3768266	1.20E-08	1.47E-08	0.00E+00	2.67E-08	1.36E-08	2.13E-08	0.00E+00	3.49E-08	2.27E-09	3.63E-09	0.00E+00	5.91E-09	9.95E-10	1.46E-09	0.00E+00	2.45E-09
1576	441570.7	3768270	1.19E-08	1.46E-08	0.00E+00	2.65E-08	1.35E-08	2.12E-08	0.00E+00	3.46E-08	2.26E-09	3.61E-09	0.00E+00	5.86E-09	9.87E-10	1.44E-09	0.00E+00	2.43E-09
1577	441579.1	3768273	1.18E-08	1.44E-08	0.00E+00	2.62E-08	1.33E-08	2.09E-08	0.00E+00	3.42E-08	2.23E-09	3.56E-09	0.00E+00	5.79E-09	9.75E-10	1.43E-09	0.00E+00	2.40E-09
1578	441587.5	3768277	1.16E-08	1.42E-08	0.00E+00	2.58E-08	1.31E-08	2.06E-08	0.00E+00	3.38E-08	2.20E-09	3.52E-09	0.00E+00	5.72E-09	9.63E-10	1.41E-09	0.00E+00	2.37E-09
1579	441595.9	3768280	1.15E-08	1.40E-08	0.00E+00	2.55E-08	1.30E-08	2.04E-08	0.00E+00	3.33E-08	2.17E-09	3.47E-09	0.00E+00	5.65E-09	9.51E-10	1.39E-09	0.00E+00	2.34E-09
1580	441604.4	3768283	1.13E-08	1.38E-08	0.00E+00	2.52E-08	1.28E-08	2.01E-08	0.00E+00	3.29E-08	2.14E-09	3.43E-09	0.00E+00	5.57E-09	9.38E-10	1.37E-09	0.00E+00	2.31E-09
1581	441612.8	3768287	1.12E-08	1.36E-08	0.00E+00	2.48E-08	1.26E-08	1.98E-08	0.00E+00	3.24E-08	2.11E-09	3.38E-09	0.00E+00	5.49E-09	9.25E-10	1.35E-09	0.00E+00	2.28E-09
1582	441621.2	3768290	1.10E-08	1.34E-08	0.00E+00	2.45E-08	1.24E-08	1.95E-08	0.00E+00	3.20E-08	2.08E-09	3.33E-09	0.00E+00	5.42E-09	9.12E-10	1.33E-09	0.00E+00	2.25E-09
1583	441629.6	3768294	1.09E-08	1.33E-08	0.00E+00	2.41E-08	1.23E-08	1.93E-08	0.00E+00	3.15E-08	2.06E-09	3.28E-09	0.00E+00	5.34E-09	8.99E-10	1.32E-09	0.00E+00	2.21E-09
1584	441638	3768297	1.07E-08	1.30E-08	0.00E+00	2.37E-08	1.21E-08	1.90E-08	0.00E+00	3.10E-08	2.02E-09	3.23E-09	0.00E+00	5.26E-09	8.85E-10	1.30E-09	0.00E+00	2.18E-09
1585	441646.5	3768301	1.05E-08	1.28E-08	0.00E+00	2.34E-08	1.19E-08	1.87E-08	0.00E+00	3.05E-08	1.99E-09	3.18E-09	0.00E+00	5.17E-09	8.71E-10	1.27E-09	0.00E+00	2.15E-09
1586	441654.9	3768304	1.04E-08	1.26E-08	0.00E+00	2.30E-08	1.17E-08	1.84E-08	0.00E+00	3.00E-08	1.96E-09	3.13E-09	0.00E+00	5.09E-09	8.57E-10	1.25E-09	0.00E+00	2.11E-09
1587	441663.3	3768308	1.02E-08	1.24E-08	0.00E+00	2.26E-08	1.15E-08	1.81E-08	0.00E+00	2.96E-08	1.93E-09	3.08E-09	0.00E+00	5.01E-09	8.43E-10	1.23E-09	0.00E+00	2.08E-09
1588	441697	3768322	9.54E-09	1.16E-08	0.00E+00	2.12E-08	1.08E-08	1.69E-08	0.00E+00	2.77E-08	1.80E-09	2.88E-09	0.00E+00	4.69E-09	7.89E-10	1.15E-09	0.00E+00	1.94E-09
1589	441709	3768334	9.46E-09	1.15E-08	0.00E+00	2.10E-08	1.07E-08	1.68E-08	0.00E+00	2.74E-08	1.79E-09	2.86E-09	0.00E+00	4.65E-09	7.83E-10	1.15E-09	0.00E+00	1.93E-09
1590	441712.5	3768342	9.55E-09	1.16E-08	0.00E+00	2.12E-08	1.08E-08	1.69E-08	0.00E+00	2.77E-08	1.80E-09	2.88E-09	0.00E+00	4.69E-09	7.89E-10	1.16E-09	0.00E+00	1.94E-09
1591	441719.6	3768359	9.71E-09	1.18E-08	0.00E+00	2.16E-08	1.09E-08	1.72E-08	0.00E+00	2.82E-08	1.84E-09	2.93E-09	0.00E+00	4.77E-09	8.03E-10	1.18E-09	0.00E+00	1.98E-09
1592	441726.7	3768376	1.01E-08	1.23E-08	0.00E+00	2.24E-08	1.14E-08	1.79E-08	0.00E+00	2.93E-08	1.91E-09	3.06E-09	0.00E+00	4.97E-09	8.36E-10	1.22E-09	0.00E+00	2.06E-09
1593	441730.2	3768384	1.03E-08	1.26E-08	0.00E+00	2.29E-08	1.17E-08	1.83E-08	0.00E+00	3.00E-08	1.95E-09	3.12E-09	0.00E+00	5.08E-09	8.55E-10	1.25E-09	0.00E+00	2.11E-09
1594	441779.8	3768502	1.63E-08	1.99E-08	0.00E+00	3.63E-08	1.84E-08	2.90E-08	0.00E+00	4.74E-08	3.09E-09	4.94E-09	0.00E+00	8.03E-09	1.35E-09	1.98E-09	0.00E+00	3.33E-09
1595	441783.3	3768510	1.70E-08	2.08E-08	0.00E+00	3.78E-08	1.92E-08	3.02E-08	0.00E+00	4.94E-08	3.22E-09	5.14E-09	0.00E+00	8.36E-09	1.41E-09	2.06E-09	0.00E+00	3.47E-09
1596	441494.9	3768238	1.27E-08	1.55E-08	0.00E+00	2.83E-08	1.44E-08	2.26E-08	0.00E+00	3.70E-08	2.41E-09	3.85E-09	0.00E+00	6.26E-09	1.05E-09	1.54E-09	0.00E+00	2.60E-09
1597	441485.5	3768238	1.30E-08	1.59E-08	0.00E+00	2.89E-08	1.47E-08	2.31E-08	0.00E+00	3.78E-08	2.47E-09	3.94E-09	0.00E+00	6.41E-09	1.08E-09	1.58E-09	0.00E+00	2.66E-09
1598	441476.1	3768238	1.34E-08	1.63E-08	0.00E+00	2.97E-08	1.51E-08	2.37E-08	0.00E+00	3.88E-08	2.53E-09	4.05E-09	0.00E+00	6.58E-09	1.11E-09	1.62E-09	0.00E+00	2.73E-09
1599	441466.7	3768238	1.38E-08	1.68E-08	0.00E+00	3.07E-08	1.56E-08	2.45E-08	0.00E+00	4.01E-08	2.61E-09	4.18E-09	0.00E+00	6.79E-09	1.14E-09	1.67E-09	0.00E+00	2.82E-09
1600	441457.3	3768238	1.43E-08	1.74E-08	0.00E+00	3.16E-08	1.61E-08	2.53E-08	0.00E+00	4.13E-08	2.69E-09	4.31E-09	0.00E+00	7.00E-09	1.18E-09	1.73E-09	0.00E+00	2.90E-09
1601	441447.9	3768238	1.47E-08	1.79E-08	0.00E+00	3.26E-08	1.65E-08	2.60E-08	0.00E+00	4.25E-08	2.77E-09	4.43E-09	0.00E+00	7.21E-09	1.21E-09	1.78E-09	0.00E+00	2.99E-09
1602	441438.5	3768238	1.50E-08	1.83E-08	0.00E+00	3.34E-08	1.70E-08	2.67E-08	0.00E+00	4.36E-08	2.84E-09	4.55E-09	0.00E+00	7.39E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
1603	441429.1	3768238	1.54E-08	1.88E-08	0.00E+00	3.42E-08	1.74E-08	2.73E-08	0.00E+00	4.47E-08	2.91E-09	4.66E-09	0.00E+00	7.57E-09	1.27E-09	1.87E-09	0.00E+00	3.14E-09
1604	441419.7	3768238	1.58E-08	1.92E-08	0.00E+00	3.50E-08	1.78E-08	2.80E-08	0.00E+00	4.58E-08	2.99E-09	4.77E-09	0.00E+00	7.76E-09	1.31E-09	1.91E-09	0.00E+00	3.22E-09
1605	441410.4	3768238	1.61E-08	1.96E-08	0.00E+00	3.56E-08	1.81E-08	2.85E-08	0.00E+00	4.66E-08	3.04E-09	4.85E-09	0.00E+00	7.89E-09	1.33E-09	1.94E-09	0.00E+00	3.27E-09
1606	441503.5	3768202	1.11E-08	1.36E-08	0.00E+00	2.47E-08	1.25E-08	1.97E-08	0.00E+00	3.22E-08	2.10E-09	3.36E-09	0.00E+00	5.46E-09	9.19E-10	1.35E-09	0.00E+00	2.26E-09
1607	441512.1	3768205	1.10E-08	1.34E-08	0.00E+00	2.44E-08	1.24E-08	1.95E-08	0.00E+00	3.19E-08	2.08E-09	3.32E-09	0.00E+00	5.40E-09	9.09E-10	1.33E-09	0.00E+00	2.24E-09
1608	441520.6	3768209	1.09E-08	1.33E-08	0.00E+00	2.43E-08	1.23E-08	1.94E-08	0.00E+00	3.17E-08	2.07E-09	3.30E-09	0.00E+00	5.37E-09	9.04E-10	1.32E-09	0.00E+00	2.23E-09
1609	441529.1	3768212	1.09E-08	1.33E-08	0.00E+00	2.41E-08	1.23E-08	1.93E-08	0.00E+00	3.15E-08	2.06E-09	3.28E-09	0.00E+00	5.34E-09	8.99E-10	1.32E-09	0.00E+00	2.21E-09
1610	441537.6	3768216	1.08E-08	1.32E-08	0.00E+00	2.40E-08	1.22E-08	1.92E-08	0.00E+00	3.13E-08	2.04E-09	3.27E-09	0.00E+00	5.31E-09	8.94E-10	1.31E-09	0.00E+00	2.20E-09
1611	441546.1	3768219	1.08E-08	1.31E-08	0.00E+00	2.39E-08	1.21E-08	1.91E-08	0.00E+00	3.12E-08	2.03E-09	3.25E-09	0.00E+00	5.29E-09	8.90E-10	1.30E-09	0.00E+00	2.19E-09
1612	441554.7	3768223	1.07E-08	1.31E-08	0.00E+00	2.38E-08	1.21E-08	1.90E-08	0.00E+00	3.10E-08	2.02E-09	3.23E-09	0.00E+00	5.26E-09	8.85E-10	1.30E-09	0.00E+00	2.18E-09
1613	441563.2	3768226	1.06E-08	1.30E-08	0.00E+00	2.36E-08	1.20E-08	1.89E-08	0.00E+00	3.08E-08	2.01E-09	3.21E-09	0.00E+00	5.23E-09	8.80E-10	1.29E-09	0.00E+00	2.17E-09
1614	441571.7	3768230	1.06E-08	1.29E-08	0.00E+00	2.34E-08	1.19E-08	1.87E-08	0.00E+00	3.06E-08	2.00E-09	3.19E-09	0.00E+00	5.19E-09	8.73E-10	1.28E-09	0.00E+00	2.15E-09
1615	441580.2	3768233	1.05E-08	1.27E-08	0.00E+00	2.32E-08	1.18E-08	1.85E-08	0.00E+00	3.03E-08	1.98E-09	3.16E-09	0.00E+00	5.14E-09	8.64E-10	1.27E-09	0.00E+00	2.13E-09
1616	441588.7	3768237	1.03E-08	1.26E-08	0.00E+00	2.29E-08	1.17E-08	1.83E-08	0.00E+00	3.00E-08	1.96E-09	3.12E-09	0.00E+00	5.08E-09	8.55E-10	1.25E-09	0.00E+00	2.11E-09
1617	441597.3	3768241	1.02E-08	1.25E-08	0.00E+00	2.27E-08	1.15E-08	1.81E-08	0.00E+00	2.96E-08	1.93E-09	3.09E-09	0.00E+00	5.02E-09	8.45E-10	1.24E-09	0.00E+00	2.08E-09
1618	441605.8	3768244	1.01E-08	1.23E-08	0.00E+00	2.24E-08	1.14E-08	1.79E-08	0.00E+00	2.93E-08	1.91E-09	3.05E-09	0.00E+00	4.96E-09	8.34E-10	1.22E-09	0.00E+00	2.06E-09
1619	441614.3	3768248	9.95E-09	1.21E-08	0.00E+00	2.21E-08	1.12E-08	1.76E-08	0.00E+00	2.88E-08	1.88E-09	3.01E-09	0.00E+00	4.89E-09	8.23E-10	1.20E-09	0.00E+00	2.03E-09
1620	441622.8	3768251	9.81E-09	1.20E-08	0.00E+00	2.18E-08	1.11E-08	1.74E-08	0.00E+00	2.84E-08	1.85E-09	2.96E-09	0.00E+00	4.82E-09	8.11E-10	1.19E-09	0.00E+00	2.00E-09
1621	441631.4	3768255	9.66E-09	1.18E-08	0.00E+00	2.14E-08	1.09E-08	1.71E-08	0.00E+00	2.80E-08	1.83E-09	2.92E-09	0.00E+00	4.75E-09	7.99E-10	1.17E-09	0.00E+00	1.97E-09
1622	441639.9	3768258	9.53E-09	1.16E-08	0.00E+00	2.11E-08	1.07E-08	1.69E-08	0.00E+00	2.76E-08	1.80E-09	2.88E-09	0.00E+00	4.68E-09	7.88E-10	1.15E-09	0.00E+00	1.94E-09
1623	441648.4	3768262	9.38E-09	1.14E-08	0.00E+00	2.08E-08	1.06E-08	1.66E-08	0.00E+00	2.72E-08	1.77E-09	2.83E-09	0.00E+00	4.61E-09	7.76E-10	1.14E-09	0.00E+00	1.91E-09
1624	441656.9	3768265	9.23E-09	1.13E-08	0.00E+00	2.05E-08	1.04E-08	1.64E-08	0.00E+00	2.68E-08	1.75E-09	2.79E-09	0.00E+00	4.54E-09	7.64E-10	1.12E-09	0.00E+00	1.88E-09
1625	441665.4	3768269	9.09E-09	1.11E-08	0.00E+00	2.02E-08	1.02E-08	1.61E-08	0.00E+00	2.64E-08	1.72E-09	2.75E-09	0.00E+00	4.47E-09	7.52E-10	1.10E-09	0.00E+00	1.85E-09
1626	441691	3768279	8.71E-09	1.06E-08	0.00E+00	1.93E-08	9.82E-09	1.54E-08	0.00E+00	2.53E-08	1.65E-09	2.63E-09	0.00E+00	4.28E-09	7.20E-10	1.05E-09	0.00E+00	1.77E-09
1627	441699.5	3768283	8.57E-09	1.04E-08	0.00E+00	1.90E-08	9.66E-09	1.52E-08	0.00E+00	2.48E-08	1.62E-09	2.59E-09	0.00E+00	4.21E-09	7.08E-10	1.04E-09	0.00E+00	1.75E-09
1628	441708	3768286	8.43E-09	1.03E-08	0.00E+00	1.87E-08	9.50E-09	1.49E-08	0.00E+00	2.44E-08	1.59E-09	2.55E-09	0.00E+00	4.14E-09	6.97E-10	1.02E-09	0.00E+00	1.72E-09
1629	441716.6	3768290	8.29E-09	1.01E-08	0.00E+00	1.84E-08	9.35E-09	1.47E-08	0.00E+00	2.40E-08	1.57E-09	2.51E-09	0.00E+00	4.07E-09	6.86E-10	1.00E-09	0.00E+00	1.69E-09
1630	441725.1	3768293	8.18E-09	9.97E-09	0.00E+00	1.82E-08	9.22E-09	1.45E-08	0.00E+00	2.37E-08	1.55E-09	2.47E-09	0.00E+00	4.02E-09	6.77E-10	9.90E-10	0.00E+00	1.67E-09
1631	441737.2	3768305	8.18E-09	9.98E-09	0.00E+00	1.82E-08	9.22E-09	1.45E-08	0.00E+00	2.37E-08	1.55E-09	2.47E-09	0.00E+00	4.02E-09	6.77E-10	9.90E-10	0.00E+00	1.67E-09
1632	441740.8	3768314	8.28E-09	1.01E-08	0.00E+00	1.84E-08	9.34E-09	1.47E-08	0.00E+00	2.40E-08	1.57E-09	2.50E-09	0.00E+00	4.07E-09	6.85E-10	1.00E-09	0.00E+00	1.69E-09
1633	441744.4	3768322	8.39E-09	1.02E-08	0.00E+00	1.86E-08	9.45E-09	1.49E-08	0.00E+00	2.43E-08	1.59E-09	2.53E-09	0.00E+00	4.12E-09	6.94E-10	1.02E-09	0.00E+00	1.71E-09
1634	441747.9	3768331	8.50E-09	1.04E-08	0.00E+00	1.89E-08	9.58E-09	1.51E-08	0.00E+00	2.46E-08	1.61E-09	2.57E-09	0.00E+00	4.17E-09	7.03E-10	1.03E-09	0.00E+00	1.73E-09
1635	441751.5	3768339	8.59E-09	1.05E-08	0.00E+00	1.91E-08	9.69E-09	1.52E-08	0.00E+00	2.49E-08	1.62E-09	2.60E-09	0.00E+00	4.22E-09	7.11E-10	1.04E-09	0.00E+00	1.75E-09
1636	441755.1	3768348	8.69E-09	1.06E-08	0.00E+00	1.93E-08	9.80E-09	1.54E-08	0.00E+00	2.52E-08	1.64E-09	2.63E-09	0.00E+00	4.27E-09	7.19E-10	1.05E-09	0.00E+00	1.77E-09
1637	441758.7	3768356	8.80E-09	1.07E-08	0.00E+00	1.95E-08	9.92E-09	1.56E-08	0.00E+00	2.55E-08	1.66E-09	2.66E-09	0.00E+00	4.32E-09	7.28E-10	1.07E-09	0.00E+00	1.79E-09
1638	441762.3	3768365	8.95E-09	1.09E-08	0.00E+00	1.99E-08	1.01E-08	1.59E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.40E-09	7.40E-10	1.08E-09	0.00E+00	1.82E-09
1639	441765.9	3768373	9.12E-09	1.11E-08	0.00E+00	2.02E-08	1.03E-08	1.62E-08	0.00E+00	2.65E-08	1.72E-09	2.76E-09	0.00E+00	4.48E-09	7.54E-10	1.10E-09	0.00E+00	1.86E-09
1640	441769.4	3768382	9.31E-09	1.14E-08	0.00E+00	2.07E-08	1.05E-08	1.65E-08	0.00E+00	2.70E-08	1.76E-09	2.81E-09	0.00E+00	4.57E-09	7.70E-10	1.13E-09	0.00E+00	1.90E-09
1641	441773	3768390	9.52E-09	1.16E-08	0.00E+00	2.11E-08	1.07E-08	1.69E-08	0.00E+00	2.76E-08	1.80E-09	2.88E-09	0.00E+00	4.68E-09	7.87E-10	1.15E-09	0.00E+00	1.94E-09
1642	441798.1	3768450	1.17E-08	1.43E-08	0.00E+00	2.61E-08	1.32E-08	2.08E-08	0.00E+00	3.41E-08	2.22E-09	3.55E-09	0.00E+00	5.77E-09	9.71E-10	1.42E-09	0.00E+00	2.39E-09
1643	441801.7	3768458	1.21E-08	1.48E-08	0.00E+00	2.69E-08	1.37E-08	2.15E-08	0.00E+00	3.52E-08	2.29E-09	3.67E-09	0.00E+00	5.96E-09	1.00E-09	1.47E-09	0.00E+00	2.47E-09
1644	441805.3	3768467	1.26E-08	1.53E-08	0.00E+00	2.79E-08	1.41E-08	2.22E-08	0.00E+00	3.64E-08	2.37E-09	3.79E-09	0.00E+00	6.16E-09	1.04E-09	1.52E-09	0.00E+00	2.56E-09
1645	441808.8	3768475	1.30E-08	1.59E-08	0.00E+00	2.89E-08	1.47E-08	2.30E-08	0.00E+00	3.77E-08	2.46E-09	3.93E-09	0.00E+00	6.39E-09	1.08E-09	1.57E-09	0.00E+00	2.65E-09
1646	441812.4	3768484	1.35E-08	1.65E-08	0.00E+00	3.00E-08	1.52E-08	2.39E-08	0.00E+00	3.91E-08	2.55E-09	4.08E-09	0.00E+00	6.63E-09	1.12E-09	1.63E-09	0.00E+00	2.75E-09
1647	441816	3768492	1.40E-08	1.71E-08	0.00E+00	3.11E-08	1.58E-08	2.49E-08	0.00E+00	4.07E-08	2.65E-09	4.24E-09	0.00E+00	6.89E-09	1.16E-09	1.70E-09	0.00E+00	2.86E-09
1648	441819.6	3768501	1.46E-08	1.78E-08	0.00E+00	3.24E-08	1.65E-08	2.59E-08	0.00E+00	4.23E-08	2.76E-09	4.41E-09	0.00E+00	7.17E-09	1.21E-09	1.77E-09	0.00E+00	2.97E-09
1649	441823.2	3768509	1.52E-08	1.85E-08	0.00E+00	3.37E-08	1.71E-08	2.69E-08	0.00E+00	4.41E-08	2.87E-09	4.59E-09	0.00E+00	7.47E-09	1.26E-09	1.84E-09	0.00E+00	3.10E-09
1650	441826.7	3768518	1.59E-08	1.93E-08	0.00E+00	3.52E-08	1.79E-08	2.81E-08	0.00E+00	4.60E-08	3.00E-09	4.79E-09	0.00E+00	7.79E-09	1.31E-09	1.92E-09	0.00E+00	3.23E-09
1651	441495	3768198	1.12E-08	1.37E-08	0.00E+00	2.50E-08	1.27E-08	1.99E-08	0.00E+00	3.26E-08	2.13E-09	3.40E-09	0.00E+00	5.52E-09	9.30E-10	1.36E-09	0.00E+00	2.29E-09
1652	441485.6	3768198	1.15E-08	1.41E-08	0.00E+00	2.56E-08	1.30E-08	2.04E-08	0.00E+00	3.34E-08	2.18E-09	3.48E-09	0.00E+00	5.66E-09	9.53E-10	1.40E-09	0.00E+00	2.35E-09
1653	441476.2	3768198	1.18E-08	1.44E-08	0.00E+00	2.62E-08	1.33E-08	2.09E-08	0.00E+00	3.43E-08	2.23E-09	3.57E-09	0.00E+00	5.80E-09	9.77E-10	1.43E-09	0.00E+00	2.41E-09
1654	441466.8	3768198	1.21E-08	1.48E-08	0.00E+00	2.69E-08	1.37E-08	2.15E-08	0.00E+00	3.51E-08	2.29E-09	3.66E-09	0.00E+00	5.95E-09	1.00E-09	1.47E-09	0.00E+00	2.47E-09
1655	441457.4	3768198	1.24E-08	1.51E-08	0.00E+00	2.75E-08	1.40E-08	2.20E-08	0.00E+00	3.60E-08	2.35E-09	3.75E-09	0.00E+00	6.09E-09	1.03E-09	1.50E-09	0.00E+00	2.53E-09
1656	441448	3768198	1.27E-08	1.55E-08	0.00E+00	2.82E-08	1.43E-08	2.25E-08	0.00E+00	3.68E-08	2.40E-09	3.84E-09	0.00E+00	6.24E-09	1.05E-09	1.54E-09	0.00E+00	2.59E-09
1657	441438.7	3768198	1.29E-08	1.58E-08	0.00E+00	2.87E-08	1.46E-08	2.29E-08	0.00E+00	3.75E-08	2.44E-09	3.91E-09	0.00E+00	6.35E-09	1.07E-09	1.57E-09	0.00E+00	2.63E-09
1658	441429.3	3768198	1.32E-08	1.61E-08	0.00E+00	2.92E-08	1.48E-08	2.33E-08	0.00E+00	3.82E-08	2.49E-09	3.98E-09	0.00E+00	6.47E-09	1.09E-09	1.59E-09	0.00E+00	2.68E-09
1659	441419.9	3768198	1.34E-08	1.63E-08	0.00E+00	2.97E-08	1.51E-08	2.38E-08	0.00E+00	3.89E-08	2.53E-09	4.05E-09	0.00E+00	6.58E-09	1.11E-09	1.62E-09	0.00E+00	2.73E-09
1660	441410.5	3768198	1.36E-08	1.66E-08	0.00E+00	3.02E-08	1.54E-08	2.42E-08	0.00E+00	3.95E-08	2.58E-09	4.12E-09	0.00E+00	6.70E-09	1.13E-09	1.65E-09	0.00E+00	2.78E-09
1661	441503.7	3768162	9.80E-09	1.19E-08	0.00E+00	2.17E-08	1.10E-08	1.74E-08	0.00E+00	2.84E-08	1.85E-09	2.96E-09	0.00E+00	4.81E-09	8.10E-10	1.19E-09	0.00E+00	2.00E-09
1662	441512.3	3768165	9.71E-09	1.18E-08	0.00E+00	2.15E-08	1.09E-08	1.72E-08	0.00E+00	2.81E-08	1.84E-09	2.93E-09	0.00E+00	4.77E-09	8.03E-10	1.17E-09	0.00E+00	1.98E-09
1663	441520.9	3768169	9.62E-09	1.17E-08	0.00E+00	2.13E-08	1.08E-08	1.70E-08	0.00E+00	2.79E-08	1.82E-09	2.91E-09	0.00E+00	4.72E-09	7.95E-10	1.16E-09	0.00E+00	1.96E-09
1664	441529.5	3768172	9.53E-09	1.16E-08	0.00E+00	2.11E-08	1.07E-08	1.69E-08	0.00E+00	2.76E-08	1.80E-09	2.88E-09	0.00E+00	4.68E-09	7.88E-10	1.15E-09	0.00E+00	1.94E-09
1665	441538.2	3768176	9.44E-09	1.15E-08	0.00E+00	2.10E-08	1.06E-08	1.67E-08	0.00E+00	2.74E-08	1.78E-09	2.85E-09	0.00E+00	4.64E-09	7.81E-10	1.14E-09	0.00E+00	1.92E-09
1666	441546.8	3768180	9.39E-09	1.15E-08	0.00E+00	2.08E-08	1.06E-08	1.66E-08	0.00E+00	2.72E-08	1.78E-09	2.84E-09	0.00E+00	4.61E-09	7.77E-10	1.14E-09	0.00E+00	1.91E-09
1667	441555.4	3768183	9.36E-09	1.14E-08	0.00E+00	2.08E-08	1.06E-08	1.66E-08	0.00E+00	2.71E-08	1.77E-09	2.83E-09	0.00E+00	4.60E-09	7.74E-10	1.13E-09	0.00E+00	1.91E-09
1668	441564	3768187	9.33E-09	1.14E-08	0.00E+00	2.07E-08	1.05E-08	1.65E-08	0.00E+00	2.70E-08	1.76E-09	2.82E-09	0.00E+00	4.58E-09	7.71E-10	1.13E-09	0.00E+00	1.90E-09
1669	441572.6	3768190	9.30E-09	1.13E-08	0.00E+00	2.06E-08	1.05E-08	1.65E-08	0.00E+00	2.70E-08	1.76E-09	2.81E-09	0.00E+00	4.57E-09	7.69E-10	1.13E-09	0.00E+00	1.89E-09
1670	441581.2	3768194	9.26E-09	1.13E-08	0.00E+00	2.06E-08	1.04E-08	1.64E-08	0.00E+00	2.69E-08	1.75E-09	2.80E-09	0.00E+00	4.55E-09	7.66E-10	1.12E-09	0.00E+00	1.89E-09
1671	441589.8	3768197	9.22E-09	1.12E-08	0.00E+00	2.05E-08	1.04E-08	1.63E-08	0.00E+00	2.67E-08	1.74E-09	2.79E-09	0.00E+00	4.53E-09	7.63E-10	1.12E-09	0.00E+00	1.88E-09
1672	441598.4	3768201	9.17E-09	1.12E-08	0.00E+00	2.04E-08	1.03E-08	1.63E-08	0.00E+00	2.66E-08	1.73E-09	2.77E-09	0.00E+00	4.50E-09	7.58E-10	1.11E-09	0.00E+00	1.87E-09
1673	441607	3768204	9.10E-09	1.11E-08	0.00E+00	2.02E-08	1.03E-08	1.61E-08	0.00E+00	2.64E-08	1.72E-09	2.75E-09	0.00E+00	4.47E-09	7.52E-10	1.10E-09	0.00E+00	1.85E-09
1674	441615.6	3768208	9.02E-09	1.10E-08	0.00E+00	2.00E-08	1.02E-08	1.60E-08	0.00E+00	2.61E-08	1.70E-09	2.72E-09	0.00E+00	4.43E-09	7.46E-10	1.09E-09	0.00E+00	1.84E-09
1675	441624.2	3768212	8.92E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.69E-09	0.00E+00	4.38E-09	7.38E-10	1.08E-09	0.00E+00	1.82E-09
1676	441632.8	3768215	8.80E-09	1.07E-08	0.00E+00	1.95E-08	9.92E-09	1.56E-08	0.00E+00	2.55E-08	1.66E-09	2.66E-09	0.00E+00	4.32E-09	7.28E-10	1.07E-09	0.00E+00	1.79E-09
1677	441641.4	3768219	8.68E-09	1.06E-08	0.00E+00	1.93E-08	9.78E-09	1.54E-08	0.00E+00	2.52E-08	1.64E-09	2.62E-09	0.00E+00	4.26E-09	7.18E-10	1.05E-09	0.00E+00	1.77E-09

1678	441650	3768222	8.55E-09	1.04E-08	0.00E+00	1.90E-08	9.64E-09	1.52E-08	0.00E+00	2.48E-08	1.62E-09	2.58E-09	0.00E+00	4.20E-09	7.07E-10	1.04E-09	0.00E+00	1.74E-09
1679	441658.6	3768226	8.43E-09	1.03E-08	0.00E+00	1.87E-08	9.51E-09	1.49E-08	0.00E+00	2.45E-08	1.59E-09	2.55E-09	0.00E+00	4.14E-09	6.97E-10	1.02E-09	0.00E+00	1.72E-09
1680	441667.2	3768229	8.32E-09	1.01E-08	0.00E+00	1.85E-08	9.37E-09	1.47E-08	0.00E+00	2.41E-08	1.57E-09	2.51E-09	0.00E+00	4.08E-09	6.88E-10	1.01E-09	0.00E+00	1.69E-09
1681	441693	3768240	7.97E-09	9.72E-09	0.00E+00	1.77E-08	8.99E-09	1.41E-08	0.00E+00	2.31E-08	1.51E-09	2.41E-09	0.00E+00	3.92E-09	6.59E-10	9.65E-10	0.00E+00	1.62E-09
1682	441701.6	3768244	7.83E-09	9.54E-09	0.00E+00	1.74E-08	8.83E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.37E-09	0.00E+00	3.85E-09	6.47E-10	9.48E-10	0.00E+00	1.59E-09
1683	441710.2	3768247	7.69E-09	9.38E-09	0.00E+00	1.71E-08	8.67E-09	1.36E-08	0.00E+00	2.23E-08	1.45E-09	2.32E-09	0.00E+00	3.78E-09	6.36E-10	9.31E-10	0.00E+00	1.57E-09
1684	441718.8	3768251	7.56E-09	9.22E-09	0.00E+00	1.68E-08	8.52E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.28E-09	0.00E+00	3.71E-09	6.25E-10	9.15E-10	0.00E+00	1.54E-09
1685	441727.4	3768254	7.46E-09	9.10E-09	0.00E+00	1.66E-08	8.41E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.25E-09	0.00E+00	3.67E-09	6.17E-10	9.03E-10	0.00E+00	1.52E-09
1686	441736	3768258	7.37E-09	8.99E-09	0.00E+00	1.64E-08	8.31E-09	1.31E-08	0.00E+00	2.14E-08	1.39E-09	2.23E-09	0.00E+00	3.62E-09	6.10E-10	8.92E-10	0.00E+00	1.50E-09
1687	441744.6	3768261	7.29E-09	8.89E-09	0.00E+00	1.62E-08	8.22E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.58E-09	6.03E-10	8.82E-10	0.00E+00	1.48E-09
1688	441753.2	3768265	7.21E-09	8.78E-09	0.00E+00	1.60E-08	8.12E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.54E-09	5.96E-10	8.72E-10	0.00E+00	1.47E-09
1689	441765.4	3768277	7.20E-09	8.77E-09	0.00E+00	1.60E-08	8.11E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.95E-10	8.71E-10	0.00E+00	1.47E-09
1690	441769	3768286	7.28E-09	8.87E-09	0.00E+00	1.61E-08	8.20E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.57E-09	6.02E-10	8.81E-10	0.00E+00	1.48E-09
1691	441772.7	3768294	7.37E-09	8.98E-09	0.00E+00	1.64E-08	8.31E-09	1.31E-08	0.00E+00	2.14E-08	1.39E-09	2.23E-09	0.00E+00	3.62E-09	6.09E-10	8.92E-10	0.00E+00	1.50E-09
1692	441776.3	3768303	7.46E-09	9.09E-09	0.00E+00	1.66E-08	8.41E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.25E-09	0.00E+00	3.66E-09	6.17E-10	9.03E-10	0.00E+00	1.52E-09
1693	441779.9	3768312	7.54E-09	9.19E-09	0.00E+00	1.67E-08	8.49E-09	1.34E-08	0.00E+00	2.18E-08	1.42E-09	2.28E-09	0.00E+00	3.70E-09	6.23E-10	9.12E-10	0.00E+00	1.54E-09
1694	441783.5	3768320	7.61E-09	9.27E-09	0.00E+00	1.69E-08	8.57E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.30E-09	0.00E+00	3.74E-09	6.29E-10	9.21E-10	0.00E+00	1.55E-09
1695	441787.1	3768329	7.68E-09	9.37E-09	0.00E+00	1.71E-08	8.66E-09	1.36E-08	0.00E+00	2.23E-08	1.45E-09	2.32E-09	0.00E+00	3.77E-09	6.35E-10	9.30E-10	0.00E+00	1.57E-09
1696	441790.7	3768337	7.77E-09	9.48E-09	0.00E+00	1.72E-08	8.76E-09	1.38E-08	0.00E+00	2.25E-08	1.47E-09	2.35E-09	0.00E+00	3.82E-09	6.43E-10	9.41E-10	0.00E+00	1.58E-09
1697	441794.4	3768346	7.87E-09	9.60E-09	0.00E+00	1.75E-08	8.87E-09	1.40E-08	0.00E+00	2.28E-08	1.49E-09	2.38E-09	0.00E+00	3.87E-09	6.51E-10	9.53E-10	0.00E+00	1.60E-09
1698	441798	3768354	7.99E-09	9.74E-09	0.00E+00	1.77E-08	9.00E-09	1.42E-08	0.00E+00	2.32E-08	1.51E-09	2.41E-09	0.00E+00	3.92E-09	6.60E-10	9.67E-10	0.00E+00	1.63E-09
1699	441801.6	3768363	8.12E-09	9.90E-09	0.00E+00	1.80E-08	9.16E-09	1.44E-08	0.00E+00	2.36E-08	1.54E-09	2.45E-09	0.00E+00	3.99E-09	6.72E-10	9.83E-10	0.00E+00	1.65E-09
1700	441805.2	3768372	8.29E-09	1.01E-08	0.00E+00	1.84E-08	9.35E-09	1.47E-08	0.00E+00	2.40E-08	1.57E-09	2.50E-09	0.00E+00	4.07E-09	6.85E-10	1.00E-09	0.00E+00	1.69E-09
1701	441808.8	3768380	8.47E-09	1.03E-08	0.00E+00	1.88E-08	9.55E-09	1.50E-08	0.00E+00	2.46E-08	1.60E-09	2.56E-09	0.00E+00	4.16E-09	7.00E-10	1.03E-09	0.00E+00	1.73E-09
1702	441812.4	3768389	8.67E-09	1.06E-08	0.00E+00	1.92E-08	9.77E-09	1.54E-08	0.00E+00	2.51E-08	1.64E-09	2.62E-09	0.00E+00	4.26E-09	7.17E-10	1.05E-09	0.00E+00	1.77E-09
1703	441837.7	3768449	1.07E-08	1.30E-08	0.00E+00	2.37E-08	1.20E-08	1.89E-08	0.00E+00	3.09E-08	2.02E-09	3.22E-09	0.00E+00	5.24E-09	8.81E-10	1.29E-09	0.00E+00	2.17E-09
1704	441841.4	3768457	1.10E-08	1.34E-08	0.00E+00	2.44E-08	1.24E-08	1.95E-08	0.00E+00	3.19E-08	2.08E-09	3.33E-09	0.00E+00	5.41E-09	9.10E-10	1.33E-09	0.00E+00	2.24E-09
1705	441845	3768466	1.14E-08	1.39E-08	0.00E+00	2.53E-08	1.28E-08	2.02E-08	0.00E+00	3.30E-08	2.15E-09	3.44E-09	0.00E+00	5.59E-09	9.41E-10	1.38E-09	0.00E+00	2.32E-09
1706	441848.6	3768475	1.18E-08	1.44E-08	0.00E+00	2.62E-08	1.33E-08	2.09E-08	0.00E+00	3.42E-08	2.23E-09	3.56E-09	0.00E+00	5.79E-09	9.75E-10	1.43E-09	0.00E+00	2.40E-09
1707	441852.2	3768483	1.22E-08	1.49E-08	0.00E+00	2.71E-08	1.38E-08	2.17E-08	0.00E+00	3.55E-08	2.31E-09	3.69E-09	0.00E+00	6.01E-09	1.01E-09	1.48E-09	0.00E+00	2.49E-09
1708	441855.8	3768492	1.27E-08	1.55E-08	0.00E+00	2.82E-08	1.43E-08	2.25E-08	0.00E+00	3.68E-08	2.40E-09	3.83E-09	0.00E+00	6.23E-09	1.05E-09	1.54E-09	0.00E+00	2.58E-09
1709	441859.4	3768500	1.32E-08	1.61E-08	0.00E+00	2.92E-08	1.48E-08	2.33E-08	0.00E+00	3.82E-08	2.49E-09	3.98E-09	0.00E+00	6.47E-09	1.09E-09	1.59E-09	0.00E+00	2.68E-09
1710	441863.1	3768509	1.37E-08	1.67E-08	0.00E+00	3.04E-08	1.54E-08	2.43E-08	0.00E+00	3.97E-08	2.59E-09	4.13E-09	0.00E+00	6.72E-09	1.13E-09	1.66E-09	0.00E+00	2.79E-09
1711	441866.7	3768517	1.42E-08	1.74E-08	0.00E+00	3.16E-08	1.61E-08	2.52E-08	0.00E+00	4.13E-08	2.69E-09	4.30E-09	0.00E+00	7.00E-09	1.18E-09	1.72E-09	0.00E+00	2.90E-09
1712	441495.1	3768158	9.88E-09	1.20E-08	0.00E+00	2.19E-08	1.11E-08	1.75E-08	0.00E+00	2.86E-08	1.87E-09	2.98E-09	0.00E+00	4.85E-09	8.17E-10	1.20E-09	0.00E+00	2.01E-09
1713	441485.7	3768158	1.01E-08	1.23E-08	0.00E+00	2.24E-08	1.14E-08	1.79E-08	0.00E+00	2.93E-08	1.91E-09	3.05E-09	0.00E+00	4.96E-09	8.34E-10	1.22E-09	0.00E+00	2.06E-09
1714	441476.4	3768158	1.03E-08	1.25E-08	0.00E+00	2.28E-08	1.16E-08	1.82E-08	0.00E+00	2.98E-08	1.95E-09	3.11E-09	0.00E+00	5.06E-09	8.51E-10	1.25E-09	0.00E+00	2.10E-09
1715	441467	3768158	1.05E-08	1.28E-08	0.00E+00	2.33E-08	1.18E-08	1.86E-08	0.00E+00	3.04E-08	1.98E-09	3.17E-09	0.00E+00	5.15E-09	8.66E-10	1.27E-09	0.00E+00	2.13E-09
1716	441457.6	3768158	1.07E-08	1.30E-08	0.00E+00	2.37E-08	1.20E-08	1.89E-08	0.00E+00	3.09E-08	2.02E-09	3.22E-09	0.00E+00	5.24E-09	8.82E-10	1.29E-09	0.00E+00	2.17E-09
1717	441448.2	3768158	1.09E-08	1.32E-08	0.00E+00	2.41E-08	1.22E-08	1.92E-08	0.00E+00	3.15E-08	2.05E-09	3.28E-09	0.00E+00	5.33E-09	8.98E-10	1.31E-09	0.00E+00	2.21E-09
1718	441438.8	3768158	1.11E-08	1.35E-08	0.00E+00	2.45E-08	1.25E-08	1.96E-08	0.00E+00	3.21E-08	2.09E-09	3.34E-09	0.00E+00	5.43E-09	9.14E-10	1.34E-09	0.00E+00	2.25E-09
1719	441429.4	3768158	1.13E-08	1.37E-08	0.00E+00	2.50E-08	1.27E-08	1.99E-08	0.00E+00	3.26E-08	2.13E-09	3.40E-09	0.00E+00	5.53E-09	9.31E-10	1.36E-09	0.00E+00	2.29E-09
1720	441420	3768158	1.15E-08	1.40E-08	0.00E+00	2.54E-08	1.29E-08	2.03E-08	0.00E+00	3.32E-08	2.17E-09	3.46E-09	0.00E+00	5.63E-09	9.47E-10	1.39E-09	0.00E+00	2.33E-09
1721	441410.6	3768158	1.17E-08	1.42E-08	0.00E+00	2.59E-08	1.32E-08	2.07E-08	0.00E+00	3.38E-08	2.21E-09	3.53E-09	0.00E+00	5.73E-09	9.65E-10	1.41E-09	0.00E+00	2.38E-09
1722	441503.9	3768122	8.62E-09	1.05E-08	0.00E+00	1.91E-08	9.72E-09	1.53E-08	0.00E+00	2.50E-08	1.63E-09	2.60E-09	0.00E+00	4.23E-09	7.13E-10	1.04E-09	0.00E+00	1.76E-09
1723	441512.6	3768125	8.54E-09	1.04E-08	0.00E+00	1.90E-08	9.63E-09	1.51E-08	0.00E+00	2.48E-08	1.61E-09	2.58E-09	0.00E+00	4.20E-09	7.06E-10	1.03E-09	0.00E+00	1.74E-09
1724	441521.3	3768129	8.46E-09	1.03E-08	0.00E+00	1.88E-08	9.54E-09	1.50E-08	0.00E+00	2.45E-08	1.60E-09	2.56E-09	0.00E+00	4.16E-09	7.00E-10	1.02E-09	0.00E+00	1.72E-09
1725	441529.9	3768133	8.38E-09	1.02E-08	0.00E+00	1.86E-08	9.45E-09	1.49E-08	0.00E+00	2.43E-08	1.58E-09	2.53E-09	0.00E+00	4.12E-09	6.93E-10	1.01E-09	0.00E+00	1.71E-09
1726	441538.6	3768136	8.30E-09	1.01E-08	0.00E+00	1.84E-08	9.35E-09	1.47E-08	0.00E+00	2.41E-08	1.57E-09	2.51E-09	0.00E+00	4.08E-09	6.86E-10	1.00E-09	0.00E+00	1.69E-09
1727	441547.3	3768140	8.25E-09	1.01E-08	0.00E+00	1.83E-08	9.30E-09	1.46E-08	0.00E+00	2.39E-08	1.56E-09	2.49E-09	0.00E+00	4.05E-09	6.82E-10	9.98E-10	0.00E+00	1.68E-09
1728	441555.9	3768143	8.20E-09	1.00E-08	0.00E+00	1.82E-08	9.25E-09	1.45E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.03E-09	6.78E-10	9.93E-10	0.00E+00	1.67E-09
1729	441564.6	3768147	8.15E-09	9.94E-09	0.00E+00	1.81E-08	9.19E-09	1.45E-08	0.00E+00	2.36E-08	1.54E-09	2.46E-09	0.00E+00	4.01E-09	6.74E-10	9.87E-10	0.00E+00	1.66E-09
1730	441573.3	3768150	8.12E-09	9.90E-09	0.00E+00	1.80E-08	9.15E-09	1.44E-08	0.00E+00	2.35E-08	1.54E-09	2.45E-09	0.00E+00	3.99E-09	6.72E-10	9.83E-10	0.00E+00	1.65E-09
1731	441582	3768154	8.11E-09	9.89E-09	0.00E+00	1.80E-08	9.15E-09	1.44E-08	0.00E+00	2.35E-08	1.53E-09	2.45E-09	0.00E+00	3.99E-09	6.71E-10	9.82E-10	0.00E+00	1.65E-09
1732	441590.6	3768158	8.10E-09	9.88E-09	0.00E+00	1.80E-08	9.14E-09	1.44E-08	0.00E+00	2.35E-08	1.53E-09	2.45E-09	0.00E+00	3.98E-09	6.70E-10	9.81E-10	0.00E+00	1.65E-09
1733	441599.3	3768161	8.09E-09	9.86E-09	0.00E+00	1.80E-08	9.12E-09	1.43E-08	0.00E+00	2.35E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.69E-10	9.79E-10	0.00E+00	1.65E-09
1734	441608	3768165	8.06E-09	9.83E-09	0.00E+00	1.79E-08	9.09E-09	1.43E-08	0.00E+00	2.34E-08	1.52E-09	2.44E-09	0.00E+00	3.96E-09	6.67E-10	9.76E-10	0.00E+00	1.64E-09
1735	441616.6	3768168	8.03E-09	9.79E-09	0.00E+00	1.78E-08	9.05E-09	1.42E-08	0.00E+00	2.33E-08	1.52E-09	2.43E-09	0.00E+00	3.94E-09	6.64E-10	9.72E-10	0.00E+00	1.64E-09
1736	441625.3	3768172	7.99E-09	9.74E-09	0.00E+00	1.77E-08	9.00E-09	1.42E-08	0.00E+00	2.32E-08	1.51E-09	2.41E-09	0.00E+00	3.92E-09	6.60E-10	9.67E-10	0.00E+00	1.63E-09
1737	441634	3768176	7.93E-09	9.66E-09	0.00E+00	1.76E-08	8.93E-09	1.40E-08	0.00E+00	2.30E-08	1.50E-09	2.39E-09	0.00E+00	3.89E-09	6.55E-10	9.59E-10	0.00E+00	1.61E-09
1738	441642.6	3768179	7.84E-09	9.56E-09	0.00E+00	1.74E-08	8.84E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.37E-09	0.00E+00	3.85E-09	6.48E-10	9.49E-10	0.00E+00	1.60E-09
1739	441651.3	3768183	7.75E-09	9.45E-09	0.00E+00	1.72E-08	8.74E-09	1.37E-08	0.00E+00	2.25E-08	1.47E-09	2.34E-09	0.00E+00	3.81E-09	6.41E-10	9.38E-10	0.00E+00	1.58E-09
1740	441660	3768186	7.66E-09	9.34E-09	0.00E+00	1.70E-08	8.63E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.31E-09	0.00E+00	3.76E-09	6.33E-10	9.27E-10	0.00E+00	1.56E-09
1741	441668.6	3768190	7.56E-09	9.22E-09	0.00E+00	1.68E-08	8.53E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.29E-09	0.00E+00	3.72E-09	6.25E-10	9.16E-10	0.00E+00	1.54E-09
1742	441694.7	3768201	7.27E-09	8.86E-09	0.00E+00	1.61E-08	8.19E-09	1.29E-08	0.00E+00	2.11E-08	1.37E-09	2.20E-09	0.00E+00	3.57E-09	6.01E-10	8.80E-10	0.00E+00	1.48E-09
1743	441703.3	3768204	7.16E-09	8.73E-09	0.00E+00	1.59E-08	8.07E-09	1.27E-08	0.00E+00	2.08E-08	1.35E-09	2.16E-09	0.00E+00	3.52E-09	5.92E-10	8.66E-10	0.00E+00	1.46E-09
1744	441712	3768208	7.05E-09	8.59E-09	0.00E+00	1.56E-08	7.95E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.13E-09	0.00E+00	3.46E-09	5.83E-10	8.53E-10	0.00E+00	1.44E-09
1745	441720.7	3768212	6.94E-09	8.46E-09	0.00E+00	1.54E-08	7.82E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.10E-09	0.00E+00	3.41E-09	5.74E-10	8.39E-10	0.00E+00	1.41E-09
1746	441729.3	3768215	6.84E-09	8.33E-09	0.00E+00	1.52E-08	7.71E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.07E-09	0.00E+00	3.36E-09	5.65E-10	8.27E-10	0.00E+00	1.39E-09
1747	441738	3768219	6.74E-09	8.22E-09	0.00E+00	1.50E-08	7.60E-09	1.19E-08	0.00E+00	1.95E-08	1.27E-09	2.04E-09	0.00E+00	3.31E-09	5.57E-10	8.16E-10	0.00E+00	1.37E-09
1748	441746.7	3768222	6.65E-09	8.11E-09	0.00E+00	1.48E-08	7.50E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.01E-09	0.00E+00	3.27E-09	5.50E-10	8.05E-10	0.00E+00	1.35E-09
1749	441755.3	3768226	6.57E-09	8.01E-09	0.00E+00	1.46E-08	7.41E-09	1.16E-08	0.00E+00	1.91E-08	1.24E-09	1.99E-09	0.00E+00	3.23E-09	5.43E-10	7.95E-10	0.00E+00	1.34E-09
1750	441764	3768229	6.50E-09	7.92E-09	0.00E+00	1.44E-08	7.32E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.19E-09	5.37E-10	7.86E-10	0.00E+00	1.32E-09
1751	441772.7	3768233	6.42E-09	7.83E-09	0.00E+00	1.42E-08	7.24E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.31E-10	7.77E-10	0.00E+00	1.31E-09
1752	441781.3	3768237	6.34E-09	7.73E-09	0.00E+00	1.41E-08	7.15E-09	1.12E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.12E-09	5.24E-10	7.68E-10	0.00E+00	1.29E-09
1753	441793.7	3768249	6.32E-09	7.71E-09	0.00E+00	1.40E-08	7.13E-09	1.12E-08	0.00E+00	1.83E-08	1.20E-09	1.91E-09	0.00E+00	3.11E-09	5.23E-10	7.65E-10	0.00E+00	1.29E-09
1754	441797.3	3768258	6.39E-09	7.78E-09	0.00E+00	1.42E-08	7.20E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.28E-10	7.73E-10	0.00E+00	1.30E-09
1755	441800.9	3768266	6.45E-09	7.86E-09	0.00E+00	1.43E-08	7.27E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.17E-09	5.33E-10	7.80E-10	0.00E+00	1.31E-09
1756	441804.6	3768275	6.51E-09	7.94E-09	0.00E+00	1.45E-08	7.34E-09	1.15E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.38E-10	7.88E-10	0.00E+00	1.33E-09
1757	441808.2	3768283	6.59E-09	8.03E-09	0.00E+00	1.46E-08	7.42E-09	1.17E-08	0.00E+00	1.91E-08	1.25E-09	1.99E-09	0.00E+00	3.24E-09	5.45E-10	7.97E-10	0.00E+00	1.34E-09
1758	441811.9	3768292	6.67E-09	8.13E-09	0.00E+00	1.48E-08	7.52E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.01E-09	0.00E+00	3.28E-09	5.51E-10	8.07E-10	0.00E+00	1.36E-09
1759	441815.5	3768301	6.76E-09	8.24E-09	0.00E+00	1.50E-08	7.62E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.59E-10	8.18E-10	0.00E+00	1.38E-09
1760	441819.2	3768309	6.83E-09	8.33E-09	0.00E+00	1.52E-08	7.70E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.35E-09	5.65E-10	8.27E-10	0.00E+00	1.39E-09
1761	441822.8	3768318	6.91E-09	8.43E-09	0.00E+00	1.53E-08	7.79E-09	1.22E-08	0.00E+00	2.00E-08	1.31E-09	2.09E-09	0.00E+00	3.40E-09	5.72E-10	8.37E-10	0.00E+00	1.41E-09
1762	441826.4	3768327	7.01E-09	8.54E-09	0.00E+00	1.55E-08	7.90E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.12E-09	0.00E+00	3.44E-09	5.79E-10	8.48E-10	0.00E+00	1.43E-09
1763	441830.1	3768335	7.11E-09	8.67E-09	0.00E+00	1.58E-08	8.02E-09	1.26E-08	0.00E+00	2.06E-08	1.34E-09	2.15E-09	0.00E+00	3.49E-09	5.88E-10	8.61E-10	0.00E+00	1.45E-09
1764	441833.7	3768344	7.23E-09	8.81E-09	0.00E+00	1.60E-08	8.15E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.18E-09	0.00E+00	3.55E-09	5.98E-10	8.75E-10	0.00E+00	1.47E-09
1765	441837.4	3768353	7.36E-09	8.97E-09	0.00E+00	1.63E-08	8.29E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.22E-09	0.00E+00	3.61E-09	6.08E-10	8.91E-10	0.00E+00	1.50E-09
1766	441841	3768361	7.50E-09	9.14E-09	0.00E+00	1.66E-08	8.45E-09	1.33E-08	0.00E+00	2.17E-08	1.42E-09	2.27E-09	0.00E+00	3.68E-09	6.20E-10	9.07E-10	0.00E+00	1.53E-09
1767	441844.7	3768370	7.66E-09	9.34E-09	0.00E+00	1.70E-08	8.64E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.32E-09	0.00E+00	3.76E-09	6.34E-10	9.27E-10	0.00E+00	1.56E-09
1768	441848.3	3768379	7.84E-09	9.56E-09	0.00E+00	1.74E-08	8.84E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.37E-09	0.00E+00	3.85E-09	6.48E-10	9.49E-10	0.00E+00	1.60E-09
1769	441852	3768387	8.03E-09	9.79E-09	0.00E+00	1.78E-08	9.05E-09	1.42E-08	0.00E+00	2.33E-08	1.52E-09	2.43E-09	0.00E+00	3.94E-09	6.64E-10	9.72E-10	0.00E+00	1.64E-09
1770	441855.6	3768396	8.23E-09	1.00E-08	0.00E+00	1.83E-08	9.28E-09	1.46E-08	0.00E+00	2.39E-08	1.56E-09	2.49E-09	0.00E+00	4.04E-09	6.81E-10	9.96E-10	0.00E+00	1.68E-09
1771	441877.5	3768448	9.68E-09	1.18E-08	0.00E+00	2.15E-08	1.09E-08	1.72E-08	0.00E+00	2.81E-08	1.83E-09	2.93E-09	0.00E+00	4.76E-09	8.01E-10	1.17E-09	0.00E+00	1.97E-09
1772	441881.1	3768456	9.99E-09	1.22E-08	0.00E+00	2.22E-08	1.13E-08	1.77E-08	0.00E+00	2.90E-08	1.89E-09	3.02E-09	0.00E+00	4.91E-09	8.26E-10	1.21E-09	0.00E+00	2.04E-09
1773	441884.8	3768465	1.03E-08	1.26E-08	0.00E+00	2.29E-08	1.17E-08	1.83E-08	0.00E+00	3.00E-08	1.95E-09	3.12E-09	0.00E+00	5.08E-09	8.55E-10	1.25E-09	0.00E+00	2.11E-09
1774	441888.4	3768474	1.07E-08	1.31E-08	0.00E+00	2.38E-08	1.21E-08	1.90E-08	0.00E+00	3.11E-08	2.03E-09	3.24E-09	0.00E+00	5.26E-09	8.86E-10	1.30E-09	0.00E+00	2.18E-09
1775	441892	3768482	1.11E-08	1.35E-08	0.00E+00	2.46E-08	1.25E-08	1.97E-08	0.00E+00	3.22E-08	2.10E-09	3.35E-09	0.00E+00	5.45E-09	9.18E-10	1.34E-09	0.00E+00	2.26E-09
1776	441895.7	3768491	1.15E-08	1.40E-08	0.00E+00	2.55E-08	1.30E-08	2.04E-08	0.00E+00	3.33E-08	2.17E-09	3.47E-09	0.00E+00	5.64E-09	9.50E-10	1.39E-09	0.00E+00	2.34E-09
1777	441899.3	3768500	1.19E-08	1.45E-08	0.00E+00	2.64E-08	1.34E-08	2.11E-08	0.00E+00	3.45E-08	2.25E-09	3.59E-09	0.00E+00	5.84E-09	9.84E-10	1.44E-09	0.00E+00	2.42E-09
1778	441903	3768508	1.23E-08	1.50E-08	0.00E+00	2.74E-08	1.39E-08	2.19E-08	0.00E+00	3.58E-08	2.33E-09	3.73E-09	0.00E+00	6.06E-09	1.02E-09	1.49E-09	0.00E+00	2.51E-09
1779	441906.6	3768517	1.28E-08	1.56E-08	0.00E+00	2.84E-08	1.44E-08	2.27E-08	0.00E+00	3.71E-08	2.42E-09	3.87E-09	0.00E+00	6.29E-09	1.06E-09	1.55E-09	0.00E+00	2.61E-09
1780	441910.3	3768526	1.33E-08	1.62E-08	0.00E+00	2.95E-08	1.50E-08	2.36E-08	0.00E+00	3.86E-08	2.51E-09	4.02E-09	0.00E+00	6.53E-09	1.10E-09	1.61E-09	0.00E+00	2.71E-09
1781	441495.3	3768118	8.71E-09	1.06E-08	0.00E+00	1.93E-08	9.82E-09	1.54E-08	0.00E+00	2.53E-08	1.65E-09	2.63E-09	0.00E+00	4.28E-09	7.20E-10	1.05E-09	0.00E+00	1.77E-09
1782	441485.9	3768118	8.90E-09	1.09E-08	0.00E+00	1.98E-08	1.00E-08	1.58E-08	0.00E+00	2.58E-08	1.68E-09	2.69E-09	0.00E+00	4.37E-09	7.36E-10	1.08E-09	0.00E+00	1.81E-09
1783	441476.5	3768118	9.09E-09	1.11E-08	0.00E+00	2.02E-08	1.03E-08	1.61E-08	0.00E+00	2.64E-08	1.72E-09	2.75E-09	0.00E+00	4.47E-09	7.52E-10	1.10E-09	0.00E+00	1.85E-09
1784	441467.1	3768118	9.27E-09	1.13E-08	0.00E+00	2.06E-08	1.05E-08	1.64E-08	0.00E+00	2.69E-08	1.75E-09	2.80E-09	0.00E+00	4.55E-09	7.67E-10	1.12E-09	0.00E+00	1.89E-09
1785	441457.7	3768118	9.46E-09	1.15E-08	0.00E+00	2.10E-08	1.07E-08	1.68E-08	0.00E+00	2.74E-08	1.79E-09	2.86E-09	0.00E+00	4.64E-09	7.82E-10	1.14E-09	0.00E+00	1.93E-09
1786	441448.3	3768118	9.63E-09	1.17E-08	0.00E+00	2.14E-08	1.09E-08	1.71E-08	0.00E+00	2.79E-08	1.82E-09	2.91E-09	0.00E+00	4.73E-09	7.96E-10	1.17E-09	0.00E+00	1.96E-09
1787	441438.9	3768118	9.73E-09	1.19E-08	0.00E+00	2.16E-08	1.10E-08	1.72E-08	0.00E+00	2.82E-08	1.84E-09	2.94E-09	0.00E+00	4.78E-09	8.05E-10	1.18E-09	0.00E+00	1.98E-09
1788	441429.5	3768118	9.83E-09	1.20E-08	0.00E+00	2.18E-08	1.11E-08	1.74E-08	0.00E+00	2.85E-08	1.86E-09	2.97E-09	0.00E+00	4.83E-09	8.13E-10	1.19E-09	0.00E+00	2.00E-09
1789	441420.1	3768118	9.93E-09	1.21E-08	0.00E+00	2.20E-08	1.12E-08	1.76E-08	0.00E+00	2.88E-08	1.88E-09	3.00E-09	0.00E+00	4.88E-09	8.21E-10	1.20E-09	0.00E+00	2.02E-09

1790	441410.7	3768118	1.01E-08	1.23E-08	0.00E+00	2.24E-08	1.14E-08	1.79E-08	0.00E+00	2.93E-08	1.91E-09	3.05E-09	0.00E+00	4.96E-09	8.35E-10	1.22E-09	0.00E+00	2.06E-09
1791	441503.9	3768082	7.74E-09	9.44E-09	0.00E+00	1.72E-08	8.73E-09	1.37E-08	0.00E+00	2.24E-08	1.46E-09	2.34E-09	0.00E+00	3.80E-09	6.40E-10	9.37E-10	0.00E+00	1.58E-09
1792	441512.4	3768085	7.66E-09	9.34E-09	0.00E+00	1.70E-08	8.64E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.32E-09	0.00E+00	3.76E-09	6.34E-10	9.28E-10	0.00E+00	1.56E-09
1793	441520.9	3768089	7.57E-09	9.22E-09	0.00E+00	1.68E-08	8.53E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.29E-09	0.00E+00	3.72E-09	6.26E-10	9.16E-10	0.00E+00	1.54E-09
1794	441529.4	3768092	7.46E-09	9.10E-09	0.00E+00	1.66E-08	8.41E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.25E-09	0.00E+00	3.67E-09	6.17E-10	9.03E-10	0.00E+00	1.52E-09
1795	441537.9	3768096	7.37E-09	8.98E-09	0.00E+00	1.63E-08	8.30E-09	1.31E-08	0.00E+00	2.14E-08	1.39E-09	2.23E-09	0.00E+00	3.62E-09	6.09E-10	8.92E-10	0.00E+00	1.50E-09
1796	441546.4	3768099	7.32E-09	8.92E-09	0.00E+00	1.62E-08	8.25E-09	1.30E-08	0.00E+00	2.12E-08	1.38E-09	2.21E-09	0.00E+00	3.59E-09	6.05E-10	8.86E-10	0.00E+00	1.49E-09
1797	441554.9	3768103	7.28E-09	8.88E-09	0.00E+00	1.62E-08	8.21E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.58E-09	6.02E-10	8.81E-10	0.00E+00	1.48E-09
1798	441563.4	3768106	7.25E-09	8.84E-09	0.00E+00	1.61E-08	8.17E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.19E-09	0.00E+00	3.56E-09	5.99E-10	8.77E-10	0.00E+00	1.48E-09
1799	441571.8	3768110	7.22E-09	8.80E-09	0.00E+00	1.60E-08	8.14E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.55E-09	5.97E-10	8.74E-10	0.00E+00	1.47E-09
1800	441580.3	3768113	7.22E-09	8.80E-09	0.00E+00	1.60E-08	8.14E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.54E-09	5.97E-10	8.73E-10	0.00E+00	1.47E-09
1801	441588.8	3768117	7.21E-09	8.79E-09	0.00E+00	1.60E-08	8.13E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.54E-09	5.96E-10	8.72E-10	0.00E+00	1.47E-09
1802	441597.3	3768120	7.20E-09	8.77E-09	0.00E+00	1.60E-08	8.11E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.95E-10	8.71E-10	0.00E+00	1.47E-09
1803	441605.8	3768124	7.18E-09	8.76E-09	0.00E+00	1.59E-08	8.10E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.94E-10	8.69E-10	0.00E+00	1.46E-09
1804	441614.3	3768127	7.17E-09	8.74E-09	0.00E+00	1.59E-08	8.08E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.52E-09	5.93E-10	8.67E-10	0.00E+00	1.46E-09
1805	441622.8	3768131	7.15E-09	8.72E-09	0.00E+00	1.59E-08	8.06E-09	1.27E-08	0.00E+00	2.07E-08	1.35E-09	2.16E-09	0.00E+00	3.51E-09	5.91E-10	8.65E-10	0.00E+00	1.46E-09
1806	441631.3	3768134	7.13E-09	8.69E-09	0.00E+00	1.58E-08	8.03E-09	1.26E-08	0.00E+00	2.07E-08	1.35E-09	2.15E-09	0.00E+00	3.50E-09	5.89E-10	8.63E-10	0.00E+00	1.45E-09
1807	441639.8	3768138	7.10E-09	8.65E-09	0.00E+00	1.57E-08	8.00E-09	1.26E-08	0.00E+00	2.06E-08	1.34E-09	2.14E-09	0.00E+00	3.48E-09	5.87E-10	8.59E-10	0.00E+00	1.45E-09
1808	441648.3	3768141	7.06E-09	8.60E-09	0.00E+00	1.57E-08	7.95E-09	1.25E-08	0.00E+00	2.05E-08	1.33E-09	2.13E-09	0.00E+00	3.47E-09	5.83E-10	8.54E-10	0.00E+00	1.44E-09
1809	441656.8	3768145	7.01E-09	8.55E-09	0.00E+00	1.56E-08	7.90E-09	1.24E-08	0.00E+00	2.03E-08	1.33E-09	2.12E-09	0.00E+00	3.44E-09	5.80E-10	8.49E-10	0.00E+00	1.43E-09
1810	441665.3	3768149	6.94E-09	8.46E-09	0.00E+00	1.54E-08	7.82E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.10E-09	0.00E+00	3.41E-09	5.74E-10	8.40E-10	0.00E+00	1.41E-09
1811	441699.3	3768163	6.59E-09	8.03E-09	0.00E+00	1.46E-08	7.42E-09	1.17E-08	0.00E+00	1.91E-08	1.24E-09	1.99E-09	0.00E+00	3.23E-09	5.44E-10	7.97E-10	0.00E+00	1.34E-09
1812	441707.8	3768166	6.49E-09	7.92E-09	0.00E+00	1.44E-08	7.32E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.19E-09	5.37E-10	7.86E-10	0.00E+00	1.32E-09
1813	441716.3	3768170	6.40E-09	7.80E-09	0.00E+00	1.42E-08	7.22E-09	1.13E-08	0.00E+00	1.86E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.29E-10	7.75E-10	0.00E+00	1.30E-09
1814	441724.8	3768173	6.33E-09	7.71E-09	0.00E+00	1.40E-08	7.13E-09	1.12E-08	0.00E+00	1.83E-08	1.20E-09	1.91E-09	0.00E+00	3.11E-09	5.23E-10	7.66E-10	0.00E+00	1.29E-09
1815	441733.3	3768177	6.26E-09	7.63E-09	0.00E+00	1.39E-08	7.05E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.17E-10	7.57E-10	0.00E+00	1.27E-09
1816	441741.8	3768180	6.19E-09	7.54E-09	0.00E+00	1.37E-08	6.97E-09	1.10E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.04E-09	5.12E-10	7.49E-10	0.00E+00	1.26E-09
1817	441750.2	3768184	6.12E-09	7.46E-09	0.00E+00	1.36E-08	6.89E-09	1.08E-08	0.00E+00	1.77E-08	1.16E-09	1.85E-09	0.00E+00	3.00E-09	5.06E-10	7.40E-10	0.00E+00	1.25E-09
1818	441758.7	3768187	6.05E-09	7.38E-09	0.00E+00	1.34E-08	6.82E-09	1.07E-08	0.00E+00	1.76E-08	1.14E-09	1.83E-09	0.00E+00	2.97E-09	5.01E-10	7.33E-10	0.00E+00	1.23E-09
1819	441767.2	3768191	5.99E-09	7.31E-09	0.00E+00	1.33E-08	6.76E-09	1.06E-08	0.00E+00	1.74E-08	1.13E-09	1.81E-09	0.00E+00	2.94E-09	4.96E-10	7.25E-10	0.00E+00	1.22E-09
1820	441775.7	3768194	5.93E-09	7.23E-09	0.00E+00	1.32E-08	6.69E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.79E-09	0.00E+00	2.91E-09	4.91E-10	7.18E-10	0.00E+00	1.21E-09
1821	441784.2	3768198	5.87E-09	7.16E-09	0.00E+00	1.30E-08	6.62E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.77E-09	0.00E+00	2.88E-09	4.86E-10	7.11E-10	0.00E+00	1.20E-09
1822	441792.7	3768201	5.81E-09	7.09E-09	0.00E+00	1.29E-08	6.55E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.85E-09	4.81E-10	7.03E-10	0.00E+00	1.18E-09
1823	441801.2	3768205	5.75E-09	7.01E-09	0.00E+00	1.28E-08	6.49E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.76E-10	6.96E-10	0.00E+00	1.17E-09
1824	441809.7	3768208	5.70E-09	6.94E-09	0.00E+00	1.26E-08	6.42E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.71E-10	6.89E-10	0.00E+00	1.16E-09
1825	441821.8	3768220	5.65E-09	6.89E-09	0.00E+00	1.25E-08	6.37E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.67E-10	6.84E-10	0.00E+00	1.15E-09
1826	441825.3	3768229	5.69E-09	6.94E-09	0.00E+00	1.26E-08	6.41E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.71E-10	6.89E-10	0.00E+00	1.16E-09
1827	441828.9	3768237	5.73E-09	6.99E-09	0.00E+00	1.27E-08	6.46E-09	1.02E-08	0.00E+00	1.66E-08	1.08E-09	1.73E-09	0.00E+00	2.82E-09	4.74E-10	6.94E-10	0.00E+00	1.17E-09
1828	441832.5	3768246	5.78E-09	7.05E-09	0.00E+00	1.28E-08	6.52E-09	1.02E-08	0.00E+00	1.68E-08	1.09E-09	1.75E-09	0.00E+00	2.84E-09	4.78E-10	7.00E-10	0.00E+00	1.18E-09
1829	441836.1	3768254	5.83E-09	7.11E-09	0.00E+00	1.29E-08	6.57E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.82E-10	7.06E-10	0.00E+00	1.19E-09
1830	441839.6	3768263	5.89E-09	7.18E-09	0.00E+00	1.31E-08	6.64E-09	1.04E-08	0.00E+00	1.71E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.87E-10	7.12E-10	0.00E+00	1.20E-09
1831	441843.2	3768271	5.95E-09	7.25E-09	0.00E+00	1.32E-08	6.70E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.80E-09	0.00E+00	2.92E-09	4.92E-10	7.20E-10	0.00E+00	1.21E-09
1832	441846.8	3768280	6.02E-09	7.34E-09	0.00E+00	1.34E-08	6.79E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.82E-09	0.00E+00	2.96E-09	4.98E-10	7.29E-10	0.00E+00	1.23E-09
1833	441850.3	3768288	6.11E-09	7.44E-09	0.00E+00	1.35E-08	6.88E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	3.00E-09	5.05E-10	7.39E-10	0.00E+00	1.24E-09
1834	441857.5	3768305	6.28E-09	7.66E-09	0.00E+00	1.39E-08	7.08E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.90E-09	0.00E+00	3.09E-09	5.20E-10	7.60E-10	0.00E+00	1.28E-09
1835	441861.1	3768314	6.37E-09	7.77E-09	0.00E+00	1.41E-08	7.18E-09	1.13E-08	0.00E+00	1.85E-08	1.20E-09	1.92E-09	0.00E+00	3.13E-09	5.27E-10	7.71E-10	0.00E+00	1.30E-09
1836	441864.6	3768322	6.47E-09	7.88E-09	0.00E+00	1.43E-08	7.29E-09	1.15E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.18E-09	5.35E-10	7.82E-10	0.00E+00	1.32E-09
1837	441868.2	3768331	6.57E-09	8.00E-09	0.00E+00	1.46E-08	7.40E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.43E-10	7.95E-10	0.00E+00	1.34E-09
1838	441871.8	3768339	6.67E-09	8.14E-09	0.00E+00	1.48E-08	7.52E-09	1.18E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.52E-10	8.08E-10	0.00E+00	1.36E-09
1839	441875.3	3768347	6.79E-09	8.28E-09	0.00E+00	1.51E-08	7.65E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.34E-09	5.61E-10	8.22E-10	0.00E+00	1.38E-09
1840	441878.9	3768356	6.92E-09	8.43E-09	0.00E+00	1.53E-08	7.80E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.09E-09	0.00E+00	3.40E-09	5.72E-10	8.37E-10	0.00E+00	1.41E-09
1841	441882.5	3768364	7.05E-09	8.60E-09	0.00E+00	1.56E-08	7.95E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.13E-09	0.00E+00	3.46E-09	5.83E-10	8.53E-10	0.00E+00	1.44E-09
1842	441889.6	3768381	7.34E-09	8.95E-09	0.00E+00	1.63E-08	8.27E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.22E-09	0.00E+00	3.61E-09	6.07E-10	8.88E-10	0.00E+00	1.50E-09
1843	441893.2	3768390	7.49E-09	9.13E-09	0.00E+00	1.66E-08	8.45E-09	1.33E-08	0.00E+00	2.17E-08	1.42E-09	2.26E-09	0.00E+00	3.68E-09	6.19E-10	9.07E-10	0.00E+00	1.53E-09
1844	441896.8	3768398	7.66E-09	9.34E-09	0.00E+00	1.70E-08	8.63E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.31E-09	0.00E+00	3.76E-09	6.33E-10	9.27E-10	0.00E+00	1.56E-09
1845	441918.2	3768449	8.95E-09	1.09E-08	0.00E+00	1.99E-08	1.01E-08	1.59E-08	0.00E+00	2.60E-08	1.69E-09	2.70E-09	0.00E+00	4.40E-09	7.40E-10	1.08E-09	0.00E+00	1.82E-09
1846	441925.3	3768466	9.56E-09	1.17E-08	0.00E+00	2.12E-08	1.08E-08	1.69E-08	0.00E+00	2.77E-08	1.81E-09	2.89E-09	0.00E+00	4.70E-09	7.91E-10	1.16E-09	0.00E+00	1.95E-09
1847	441928.9	3768475	9.89E-09	1.21E-08	0.00E+00	2.19E-08	1.11E-08	1.75E-08	0.00E+00	2.87E-08	1.87E-09	2.99E-09	0.00E+00	4.86E-09	8.18E-10	1.20E-09	0.00E+00	2.01E-09
1848	441932.5	3768483	1.02E-08	1.25E-08	0.00E+00	2.27E-08	1.15E-08	1.81E-08	0.00E+00	2.96E-08	1.93E-09	3.09E-09	0.00E+00	5.02E-09	8.45E-10	1.24E-09	0.00E+00	2.08E-09
1849	441936.1	3768492	1.06E-08	1.29E-08	0.00E+00	2.34E-08	1.19E-08	1.87E-08	0.00E+00	3.06E-08	2.00E-09	3.19E-09	0.00E+00	5.19E-09	8.73E-10	1.28E-09	0.00E+00	2.15E-09
1850	441939.6	3768500	1.09E-08	1.33E-08	0.00E+00	2.42E-08	1.23E-08	1.94E-08	0.00E+00	3.17E-08	2.06E-09	3.30E-09	0.00E+00	5.36E-09	9.03E-10	1.32E-09	0.00E+00	2.22E-09
1851	441943.2	3768508	1.13E-08	1.38E-08	0.00E+00	2.51E-08	1.27E-08	2.00E-08	0.00E+00	3.27E-08	2.13E-09	3.41E-09	0.00E+00	5.55E-09	9.34E-10	1.37E-09	0.00E+00	2.30E-09
1852	441946.8	3768517	1.17E-08	1.42E-08	0.00E+00	2.59E-08	1.32E-08	2.07E-08	0.00E+00	3.38E-08	2.21E-09	3.53E-09	0.00E+00	5.73E-09	9.65E-10	1.41E-09	0.00E+00	2.38E-09
1853	441495.4	3768078	7.82E-09	9.54E-09	0.00E+00	1.74E-08	8.82E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.36E-09	0.00E+00	3.84E-09	6.47E-10	9.47E-10	0.00E+00	1.59E-09
1854	441486	3768078	8.00E-09	9.75E-09	0.00E+00	1.77E-08	9.02E-09	1.42E-08	0.00E+00	2.32E-08	1.51E-09	2.42E-09	0.00E+00	3.93E-09	6.61E-10	9.68E-10	0.00E+00	1.63E-09
1855	441476.6	3768078	8.16E-09	9.95E-09	0.00E+00	1.81E-08	9.20E-09	1.45E-08	0.00E+00	2.37E-08	1.54E-09	2.47E-09	0.00E+00	4.01E-09	6.75E-10	9.88E-10	0.00E+00	1.66E-09
1856	441467.2	3768078	8.30E-09	1.01E-08	0.00E+00	1.84E-08	9.36E-09	1.47E-08	0.00E+00	2.41E-08	1.57E-09	2.51E-09	0.00E+00	4.08E-09	6.87E-10	1.00E-09	0.00E+00	1.69E-09
1857	441457.8	3768078	8.45E-09	1.03E-08	0.00E+00	1.87E-08	9.52E-09	1.50E-08	0.00E+00	2.45E-08	1.60E-09	2.55E-09	0.00E+00	4.15E-09	6.98E-10	1.02E-09	0.00E+00	1.72E-09
1858	441448.4	3768078	8.59E-09	1.05E-08	0.00E+00	1.91E-08	9.68E-09	1.52E-08	0.00E+00	2.49E-08	1.62E-09	2.59E-09	0.00E+00	4.22E-09	7.10E-10	1.04E-09	0.00E+00	1.75E-09
1859	441439	3768078	8.72E-09	1.06E-08	0.00E+00	1.93E-08	9.82E-09	1.54E-08	0.00E+00	2.53E-08	1.65E-09	2.63E-09	0.00E+00	4.28E-09	7.21E-10	1.05E-09	0.00E+00	1.78E-09
1860	441429.6	3768078	8.85E-09	1.08E-08	0.00E+00	1.96E-08	9.97E-09	1.57E-08	0.00E+00	2.56E-08	1.67E-09	2.67E-09	0.00E+00	4.35E-09	7.31E-10	1.07E-09	0.00E+00	1.80E-09
1861	441420.3	3768078	8.98E-09	1.09E-08	0.00E+00	1.99E-08	1.01E-08	1.59E-08	0.00E+00	2.60E-08	1.70E-09	2.71E-09	0.00E+00	4.41E-09	7.42E-10	1.09E-09	0.00E+00	1.83E-09
1862	441410.9	3768078	9.12E-09	1.11E-08	0.00E+00	2.02E-08	1.03E-08	1.62E-08	0.00E+00	2.64E-08	1.72E-09	2.76E-09	0.00E+00	4.48E-09	7.54E-10	1.10E-09	0.00E+00	1.86E-09
1863	441564	3768067	6.59E-09	8.03E-09	0.00E+00	1.46E-08	7.42E-09	1.17E-08	0.00E+00	1.91E-08	1.25E-09	1.99E-09	0.00E+00	3.24E-09	5.45E-10	7.97E-10	0.00E+00	1.34E-09
1864	441572.5	3768070	6.55E-09	7.99E-09	0.00E+00	1.45E-08	7.39E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.42E-10	7.93E-10	0.00E+00	1.34E-09
1865	441581.1	3768074	6.53E-09	7.97E-09	0.00E+00	1.45E-08	7.37E-09	1.16E-08	0.00E+00	1.89E-08	1.24E-09	1.97E-09	0.00E+00	3.21E-09	5.40E-10	7.91E-10	0.00E+00	1.33E-09
1866	441589.7	3768077	6.52E-09	7.95E-09	0.00E+00	1.45E-08	7.35E-09	1.16E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.39E-10	7.89E-10	0.00E+00	1.33E-09
1867	441598.2	3768081	6.51E-09	7.94E-09	0.00E+00	1.44E-08	7.34E-09	1.15E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.38E-10	7.88E-10	0.00E+00	1.33E-09
1868	441606.8	3768084	6.49E-09	7.91E-09	0.00E+00	1.44E-08	7.32E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.19E-09	5.37E-10	7.86E-10	0.00E+00	1.32E-09
1869	441615.3	3768088	6.46E-09	7.88E-09	0.00E+00	1.43E-08	7.28E-09	1.15E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.17E-09	5.34E-10	7.82E-10	0.00E+00	1.32E-09
1870	441623.9	3768091	6.43E-09	7.84E-09	0.00E+00	1.43E-08	7.25E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.94E-09	0.00E+00	3.16E-09	5.32E-10	7.79E-10	0.00E+00	1.31E-09
1871	441632.5	3768095	6.41E-09	7.82E-09	0.00E+00	1.42E-08	7.23E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.30E-10	7.76E-10	0.00E+00	1.31E-09
1872	441641	3768098	6.40E-09	7.80E-09	0.00E+00	1.42E-08	7.21E-09	1.13E-08	0.00E+00	1.86E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.29E-10	7.74E-10	0.00E+00	1.30E-09
1873	441649.6	3768102	6.38E-09	7.78E-09	0.00E+00	1.42E-08	7.19E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.13E-09	5.28E-10	7.72E-10	0.00E+00	1.30E-09
1874	441658.1	3768106	6.36E-09	7.76E-09	0.00E+00	1.41E-08	7.17E-09	1.13E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.12E-09	5.26E-10	7.70E-10	0.00E+00	1.30E-09
1875	441666.7	3768109	6.33E-09	7.71E-09	0.00E+00	1.40E-08	7.13E-09	1.12E-08	0.00E+00	1.83E-08	1.20E-09	1.91E-09	0.00E+00	3.11E-09	5.23E-10	7.66E-10	0.00E+00	1.29E-09
1876	441692.4	3768120	6.18E-09	7.53E-09	0.00E+00	1.37E-08	6.96E-09	1.09E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.03E-09	5.11E-10	7.47E-10	0.00E+00	1.26E-09
1877	441700.9	3768123	6.10E-09	7.44E-09	0.00E+00	1.35E-08	6.88E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	3.00E-09	5.04E-10	7.38E-10	0.00E+00	1.24E-09
1878	441709.5	3768127	6.02E-09	7.34E-09	0.00E+00	1.34E-08	6.79E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.82E-09	0.00E+00	2.96E-09	4.98E-10	7.29E-10	0.00E+00	1.23E-09
1879	441718	3768130	5.94E-09	7.24E-09	0.00E+00	1.32E-08	6.69E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.79E-09	0.00E+00	2.92E-09	4.91E-10	7.19E-10	0.00E+00	1.21E-09
1880	441726.6	3768134	5.87E-09	7.16E-09	0.00E+00	1.30E-08	6.62E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.77E-09	0.00E+00	2.88E-09	4.85E-10	7.10E-10	0.00E+00	1.20E-09
1881	441735.1	3768137	5.81E-09	7.08E-09	0.00E+00	1.29E-08	6.54E-09	1.03E-08	0.00E+00	1.68E-08	1.10E-09	1.75E-09	0.00E+00	2.85E-09	4.80E-10	7.03E-10	0.00E+00	1.18E-09
1882	441743.7	3768141	5.74E-09	7.00E-09	0.00E+00	1.27E-08	6.47E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.82E-09	4.75E-10	6.95E-10	0.00E+00	1.17E-09
1883	441752.3	3768145	5.68E-09	6.93E-09	0.00E+00	1.26E-08	6.41E-09	1.01E-08	0.00E+00	1.65E-08	1.07E-09	1.72E-09	0.00E+00	2.79E-09	4.70E-10	6.88E-10	0.00E+00	1.16E-09
1884	441760.8	3768148	5.63E-09	6.86E-09	0.00E+00	1.25E-08	6.34E-09	9.97E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.65E-10	6.81E-10	0.00E+00	1.15E-09
1885	441769.4	3768152	5.57E-09	6.79E-09	0.00E+00	1.24E-08	6.28E-09	9.87E-09	0.00E+00	1.62E-08	1.05E-09	1.68E-09	0.00E+00	2.74E-09	4.61E-10	6.74E-10	0.00E+00	1.13E-09
1886	441777.9	3768155	5.52E-09	6.73E-09	0.00E+00	1.22E-08	6.22E-09	9.78E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.56E-10	6.68E-10	0.00E+00	1.12E-09
1887	441786.5	3768159	5.46E-09	6.66E-09	0.00E+00	1.21E-08	6.16E-09	9.68E-09	0.00E+00	1.58E-08	1.03E-09	1.65E-09	0.00E+00	2.68E-09	4.52E-10	6.61E-10	0.00E+00	1.11E-09
1888	441795.1	3768162	5.41E-09	6.59E-09	0.00E+00	1.20E-08	6.10E-09	9.59E-09	0.00E+00	1.57E-08	1.02E-09	1.63E-09	0.00E+00	2.66E-09	4.47E-10	6.55E-10	0.00E+00	1.10E-09
1889	441803.6	3768166	5.36E-09	6.53E-09	0.00E+00	1.19E-08	6.04E-09	9.49E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.48E-10	0.00E+00	1.09E-09
1890	441812.2	3768169	5.30E-09	6.46E-09	0.00E+00	1.18E-08	5.97E-09	9.39E-09	0.00E+00	1.54E-08	1.00E-09	1.60E-09	0.00E+00	2.60E-09	4.38E-10	6.41E-10	0.00E+00	1.08E-09
1891	441820.7	3768173	5.24E-09	6.38E-09	0.00E+00	1.16E-08	5.90E-09	9.28E-09	0.00E+00	1.52E-08	9.90E-10	1.58E-09	0.00E+00	2.57E-09	4.33E-10	6.34E-10	0.00E+00	1.07E-09
1892	441829.3	3768176	5.18E-09	6.31E-09	0.00E+00	1.15E-08	5.84E-09	9.18E-09	0.00E+00	1.50E-08	9.79E-10	1.56E-09	0.00E+00	2.54E-09	4.28E-10	6.27E-10	0.00E+00	1.05E-09
1893	441837.8	3768180	5.12E-09	6.24E-09	0.00E+00	1.14E-08	5.77E-09	9.08E-09	0.00E+00	1.49E-08	9.68E-10	1.55E-09	0.00E+00	2.52E-09	4.24E-10	6.20E-10	0.00E+00	1.04E-09
1894	441850	3768192	5.08E-09	6.19E-09	0.00E+00	1.13E-08	5.72E-09	9.00E-09	0.00E+00	1.47E-08	9.60E-10	1.53E-09	0.00E+00	2.49E-09	4.20E-10	6.15E-10	0.00E+00	1.03E-09
1895	441853.6	3768201	5.11E-09	6.23E-09	0.00E+00	1.13E-08	5.76E-09	9.06E-09	0.00E+00	1.48E-08	9.66E-10	1.54E-09	0.00E+00	2.51E-09	4.23E-10	6.18E-10	0.00E+00	1.04E-09
1896	441857.2	3768209	5.15E-09	6.28E-09	0.00E+00	1.14E-08	5.80E-09	9.12E-09	0.00E+00	1.49E-08	9.73E-10	1.56E-09	0.00E+00	2.53E-09	4.26E-10	6.23E-10	0.00E+00	1.05E-09
1897	441860.8	3768218	5.19E-09	6.32E-09	0.00E+00	1.15E-08	5.85E-09	9.19E-09	0.00E+00	1.50E-08	9.81E-10	1.57E-09	0.00E+00	2.55E-09	4.29E-10	6.28E-10	0.00E+00	1.06E-09
1898	441864.4	3768226	5.23E-09	6.38E-09	0.00E+00	1.16E-08	5.90E-09	9.27E-09	0.00E+00	1.52E-08	9.89E-10	1.58E-09	0.00E+00	2.57E-09	4.32E-10	6.33E-10	0.00E+00	1.07E-09
1899	441868	3768235	5.28E-09	6.43E-09	0.00E+00	1.17E-08	5.95E-09	9.35E-09	0.00E+00	1.53E-08	9.97E-10	1.59E-09	0.00E+00	2.59E-09	4.36E-10	6.38E-10	0.00E+00	1.07E-09
1900	441871.6	3768243	5.32E-09	6.49E-09	0.00E+00	1.18E-08	6.00E-09	9.43E-09	0.00E+00	1.54E-08	1.01E-09	1.61E-09	0.00E+00	2.61E-09	4.40E-10	6.44E-10	0.00E+00	1.08E-09
1901	441875.2	3768252	5.37E-09	6.55E-09	0.00E+00	1.19E-08	6.06E-09	9.52E-09	0.00E+00	1.56E-08	1.02E-09	1.62E-09	0.00E+00	2.64E-09	4.44E-10	6.50E-10	0.00E+00	1.09E-09

1902	441878.8	3768260	5.43E-09	6.61E-09	0.00E+00	1.20E-08	6.12E-09	9.62E-09	0.00E+00	1.57E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.49E-10	6.57E-10	0.00E+00	1.11E-09
1903	441882.4	3768269	5.48E-09	6.68E-09	0.00E+00	1.22E-08	6.18E-09	9.72E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.69E-09	4.53E-10	6.64E-10	0.00E+00	1.12E-09
1904	441886	3768277	5.56E-09	6.78E-09	0.00E+00	1.23E-08	6.27E-09	9.85E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.73E-09	4.60E-10	6.73E-10	0.00E+00	1.13E-09
1905	441889.6	3768286	5.64E-09	6.88E-09	0.00E+00	1.25E-08	6.36E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.77E-09	4.67E-10	6.83E-10	0.00E+00	1.15E-09
1906	441893.2	3768294	5.73E-09	6.99E-09	0.00E+00	1.27E-08	6.46E-09	1.02E-08	0.00E+00	1.66E-08	1.08E-09	1.73E-09	0.00E+00	2.82E-09	4.74E-10	6.94E-10	0.00E+00	1.17E-09
1907	441896.8	3768303	5.82E-09	7.10E-09	0.00E+00	1.29E-08	6.56E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.82E-10	7.05E-10	0.00E+00	1.19E-09
1908	441900.4	3768312	5.91E-09	7.21E-09	0.00E+00	1.31E-08	6.67E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.79E-09	0.00E+00	2.90E-09	4.89E-10	7.16E-10	0.00E+00	1.20E-09
1909	441904	3768320	6.01E-09	7.33E-09	0.00E+00	1.33E-08	6.78E-09	1.07E-08	0.00E+00	1.74E-08	1.14E-09	1.82E-09	0.00E+00	2.95E-09	4.97E-10	7.28E-10	0.00E+00	1.22E-09
1910	441907.6	3768329	6.12E-09	7.46E-09	0.00E+00	1.36E-08	6.90E-09	1.08E-08	0.00E+00	1.77E-08	1.16E-09	1.85E-09	0.00E+00	3.01E-09	5.06E-10	7.41E-10	0.00E+00	1.25E-09
1911	441911.2	3768337	6.22E-09	7.59E-09	0.00E+00	1.38E-08	7.02E-09	1.10E-08	0.00E+00	1.80E-08	1.18E-09	1.88E-09	0.00E+00	3.06E-09	5.15E-10	7.53E-10	0.00E+00	1.27E-09
1912	441914.8	3768346	6.33E-09	7.72E-09	0.00E+00	1.40E-08	7.14E-09	1.12E-08	0.00E+00	1.84E-08	1.20E-09	1.91E-09	0.00E+00	3.11E-09	5.23E-10	7.66E-10	0.00E+00	1.29E-09
1913	441918.4	3768354	6.44E-09	7.85E-09	0.00E+00	1.43E-08	7.26E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.16E-09	5.33E-10	7.80E-10	0.00E+00	1.31E-09
1914	441922	3768363	6.56E-09	8.00E-09	0.00E+00	1.46E-08	7.39E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.42E-10	7.94E-10	0.00E+00	1.34E-09
1915	441925.6	3768371	6.68E-09	8.14E-09	0.00E+00	1.48E-08	7.53E-09	1.18E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.52E-10	8.09E-10	0.00E+00	1.36E-09
1916	441929.1	3768380	6.81E-09	8.30E-09	0.00E+00	1.51E-08	7.68E-09	1.21E-08	0.00E+00	1.97E-08	1.29E-09	2.06E-09	0.00E+00	3.35E-09	5.63E-10	8.24E-10	0.00E+00	1.39E-09
1917	441932.7	3768388	6.95E-09	8.48E-09	0.00E+00	1.54E-08	7.84E-09	1.23E-08	0.00E+00	2.02E-08	1.31E-09	2.10E-09	0.00E+00	3.42E-09	5.75E-10	8.42E-10	0.00E+00	1.42E-09
1918	441936.3	3768397	7.12E-09	8.68E-09	0.00E+00	1.58E-08	8.02E-09	1.26E-08	0.00E+00	2.06E-08	1.35E-09	2.15E-09	0.00E+00	3.50E-09	5.88E-10	8.61E-10	0.00E+00	1.45E-09
1919	441957.9	3768448	8.31E-09	1.01E-08	0.00E+00	1.85E-08	9.37E-09	1.47E-08	0.00E+00	2.41E-08	1.57E-09	2.51E-09	0.00E+00	4.08E-09	6.87E-10	1.01E-09	0.00E+00	1.69E-09
1920	441504.3	3768002	6.34E-09	7.73E-09	0.00E+00	1.41E-08	7.15E-09	1.12E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.12E-09	5.24E-10	7.68E-10	0.00E+00	1.29E-09
1921	441512.9	3768005	6.29E-09	7.67E-09	0.00E+00	1.40E-08	7.09E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.90E-09	0.00E+00	3.09E-09	5.20E-10	7.61E-10	0.00E+00	1.28E-09
1922	441521.5	3768009	6.25E-09	7.62E-09	0.00E+00	1.39E-08	7.05E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.17E-10	7.56E-10	0.00E+00	1.27E-09
1923	441530.1	3768012	6.20E-09	7.56E-09	0.00E+00	1.38E-08	6.99E-09	1.10E-08	0.00E+00	1.80E-08	1.17E-09	1.87E-09	0.00E+00	3.05E-09	5.13E-10	7.51E-10	0.00E+00	1.26E-09
1924	441538.7	3768016	6.15E-09	7.50E-09	0.00E+00	1.36E-08	6.93E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.86E-09	0.00E+00	3.02E-09	5.09E-10	7.44E-10	0.00E+00	1.25E-09
1925	441547.3	3768020	6.12E-09	7.46E-09	0.00E+00	1.36E-08	6.90E-09	1.08E-08	0.00E+00	1.78E-08	1.16E-09	1.85E-09	0.00E+00	3.01E-09	5.06E-10	7.41E-10	0.00E+00	1.25E-09
1926	441555.9	3768023	6.10E-09	7.44E-09	0.00E+00	1.35E-08	6.88E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	3.00E-09	5.05E-10	7.38E-10	0.00E+00	1.24E-09
1927	441564.6	3768027	6.08E-09	7.42E-09	0.00E+00	1.35E-08	6.86E-09	1.08E-08	0.00E+00	1.76E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.03E-10	7.36E-10	0.00E+00	1.24E-09
1928	441599	3768041	5.98E-09	7.29E-09	0.00E+00	1.33E-08	6.74E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.81E-09	0.00E+00	2.94E-09	4.94E-10	7.23E-10	0.00E+00	1.22E-09
1929	441607.6	3768045	5.95E-09	7.25E-09	0.00E+00	1.32E-08	6.71E-09	1.05E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.92E-09	4.92E-10	7.20E-10	0.00E+00	1.21E-09
1930	441702.4	3768084	5.66E-09	6.90E-09	0.00E+00	1.26E-08	6.38E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.85E-10	0.00E+00	1.15E-09
1931	441711	3768087	5.61E-09	6.84E-09	0.00E+00	1.24E-08	6.32E-09	9.94E-09	0.00E+00	1.63E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.64E-10	6.79E-10	0.00E+00	1.14E-09
1932	441719.6	3768091	5.56E-09	6.77E-09	0.00E+00	1.23E-08	6.26E-09	9.85E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.73E-09	4.59E-10	6.73E-10	0.00E+00	1.13E-09
1933	441728.2	3768094	5.50E-09	6.71E-09	0.00E+00	1.22E-08	6.20E-09	9.75E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.55E-10	6.66E-10	0.00E+00	1.12E-09
1934	441736.8	3768098	5.44E-09	6.64E-09	0.00E+00	1.21E-08	6.14E-09	9.65E-09	0.00E+00	1.58E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.50E-10	6.59E-10	0.00E+00	1.11E-09
1935	441745.4	3768102	5.39E-09	6.57E-09	0.00E+00	1.20E-08	6.07E-09	9.55E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.65E-09	4.45E-10	6.52E-10	0.00E+00	1.10E-09
1936	441754	3768105	5.33E-09	6.50E-09	0.00E+00	1.18E-08	6.01E-09	9.45E-09	0.00E+00	1.55E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.41E-10	6.45E-10	0.00E+00	1.09E-09
1937	441762.6	3768109	5.28E-09	6.44E-09	0.00E+00	1.17E-08	5.95E-09	9.36E-09	0.00E+00	1.53E-08	9.99E-10	1.60E-09	0.00E+00	2.59E-09	4.37E-10	6.39E-10	0.00E+00	1.08E-09
1938	441771.3	3768112	5.23E-09	6.38E-09	0.00E+00	1.16E-08	5.90E-09	9.27E-09	0.00E+00	1.52E-08	9.89E-10	1.58E-09	0.00E+00	2.57E-09	4.33E-10	6.33E-10	0.00E+00	1.07E-09
1939	441779.9	3768116	5.18E-09	6.31E-09	0.00E+00	1.15E-08	5.84E-09	9.18E-09	0.00E+00	1.50E-08	9.79E-10	1.56E-09	0.00E+00	2.54E-09	4.28E-10	6.27E-10	0.00E+00	1.06E-09
1940	441788.5	3768119	5.12E-09	6.24E-09	0.00E+00	1.14E-08	5.77E-09	9.07E-09	0.00E+00	1.48E-08	9.68E-10	1.55E-09	0.00E+00	2.51E-09	4.23E-10	6.20E-10	0.00E+00	1.04E-09
1941	441797.1	3768123	5.06E-09	6.17E-09	0.00E+00	1.12E-08	5.71E-09	8.97E-09	0.00E+00	1.47E-08	9.57E-10	1.53E-09	0.00E+00	2.49E-09	4.19E-10	6.13E-10	0.00E+00	1.03E-09
1942	441805.7	3768127	5.01E-09	6.10E-09	0.00E+00	1.11E-08	5.64E-09	8.87E-09	0.00E+00	1.45E-08	9.47E-10	1.51E-09	0.00E+00	2.46E-09	4.14E-10	6.06E-10	0.00E+00	1.02E-09
1943	441814.3	3768130	4.95E-09	6.03E-09	0.00E+00	1.10E-08	5.58E-09	8.77E-09	0.00E+00	1.43E-08	9.36E-10	1.50E-09	0.00E+00	2.43E-09	4.09E-10	5.99E-10	0.00E+00	1.01E-09
1944	441822.9	3768134	4.89E-09	5.96E-09	0.00E+00	1.08E-08	5.51E-09	8.66E-09	0.00E+00	1.42E-08	9.24E-10	1.48E-09	0.00E+00	2.40E-09	4.04E-10	5.91E-10	0.00E+00	9.96E-10
1945	441831.5	3768137	4.83E-09	5.88E-09	0.00E+00	1.07E-08	5.44E-09	8.55E-09	0.00E+00	1.40E-08	9.12E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.84E-10	0.00E+00	9.83E-10
1946	441840.2	3768141	4.77E-09	5.81E-09	0.00E+00	1.06E-08	5.37E-09	8.44E-09	0.00E+00	1.38E-08	9.01E-10	1.44E-09	0.00E+00	2.34E-09	3.94E-10	5.77E-10	0.00E+00	9.71E-10
1947	441848.8	3768144	4.71E-09	5.74E-09	0.00E+00	1.04E-08	5.31E-09	8.34E-09	0.00E+00	1.36E-08	8.90E-10	1.42E-09	0.00E+00	2.31E-09	3.89E-10	5.70E-10	0.00E+00	9.59E-10
1948	441857.4	3768148	4.65E-09	5.67E-09	0.00E+00	1.03E-08	5.24E-09	8.24E-09	0.00E+00	1.35E-08	8.79E-10	1.40E-09	0.00E+00	2.28E-09	3.84E-10	5.63E-10	0.00E+00	9.47E-10
1949	441866	3768152	4.59E-09	5.60E-09	0.00E+00	1.02E-08	5.17E-09	8.13E-09	0.00E+00	1.33E-08	8.68E-10	1.39E-09	0.00E+00	2.25E-09	3.80E-10	5.56E-10	0.00E+00	9.35E-10
1950	441878.2	3768164	4.57E-09	5.57E-09	0.00E+00	1.01E-08	5.15E-09	8.09E-09	0.00E+00	1.32E-08	8.63E-10	1.38E-09	0.00E+00	2.24E-09	3.78E-10	5.53E-10	0.00E+00	9.30E-10
1951	441881.8	3768172	4.60E-09	5.61E-09	0.00E+00	1.02E-08	5.18E-09	8.15E-09	0.00E+00	1.33E-08	8.69E-10	1.39E-09	0.00E+00	2.26E-09	3.80E-10	5.56E-10	0.00E+00	9.37E-10
1952	441885.5	3768181	4.63E-09	5.64E-09	0.00E+00	1.03E-08	5.22E-09	8.20E-09	0.00E+00	1.34E-08	8.75E-10	1.40E-09	0.00E+00	2.27E-09	3.83E-10	5.60E-10	0.00E+00	9.43E-10
1953	441889.1	3768190	4.67E-09	5.69E-09	0.00E+00	1.04E-08	5.26E-09	8.27E-09	0.00E+00	1.35E-08	8.82E-10	1.41E-09	0.00E+00	2.29E-09	3.86E-10	5.65E-10	0.00E+00	9.50E-10
1954	441892.7	3768198	4.70E-09	5.73E-09	0.00E+00	1.04E-08	5.30E-09	8.33E-09	0.00E+00	1.36E-08	8.89E-10	1.42E-09	0.00E+00	2.31E-09	3.89E-10	5.69E-10	0.00E+00	9.58E-10
1955	441896.3	3768207	4.74E-09	5.77E-09	0.00E+00	1.05E-08	5.34E-09	8.39E-09	0.00E+00	1.37E-08	8.95E-10	1.43E-09	0.00E+00	2.33E-09	3.92E-10	5.73E-10	0.00E+00	9.65E-10
1956	441899.9	3768215	4.78E-09	5.82E-09	0.00E+00	1.06E-08	5.39E-09	8.47E-09	0.00E+00	1.39E-08	9.03E-10	1.44E-09	0.00E+00	2.35E-09	3.95E-10	5.78E-10	0.00E+00	9.73E-10
1957	441903.6	3768224	4.83E-09	5.88E-09	0.00E+00	1.07E-08	5.44E-09	8.55E-09	0.00E+00	1.40E-08	9.12E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.84E-10	0.00E+00	9.83E-10
1958	441907.2	3768232	4.88E-09	5.95E-09	0.00E+00	1.08E-08	5.50E-09	8.64E-09	0.00E+00	1.41E-08	9.22E-10	1.47E-09	0.00E+00	2.40E-09	4.03E-10	5.90E-10	0.00E+00	9.94E-10
1959	441910.8	3768241	4.93E-09	6.01E-09	0.00E+00	1.09E-08	5.56E-09	8.74E-09	0.00E+00	1.43E-08	9.32E-10	1.49E-09	0.00E+00	2.42E-09	4.08E-10	5.97E-10	0.00E+00	1.00E-09
1960	441914.4	3768250	4.98E-09	6.08E-09	0.00E+00	1.11E-08	5.62E-09	8.83E-09	0.00E+00	1.45E-08	9.42E-10	1.51E-09	0.00E+00	2.45E-09	4.12E-10	6.03E-10	0.00E+00	1.02E-09
1961	441918	3768258	5.04E-09	6.15E-09	0.00E+00	1.12E-08	5.68E-09	8.94E-09	0.00E+00	1.46E-08	9.53E-10	1.52E-09	0.00E+00	2.48E-09	4.17E-10	6.10E-10	0.00E+00	1.03E-09
1962	441921.7	3768267	5.11E-09	6.23E-09	0.00E+00	1.13E-08	5.76E-09	9.05E-09	0.00E+00	1.48E-08	9.65E-10	1.54E-09	0.00E+00	2.51E-09	4.22E-10	6.18E-10	0.00E+00	1.04E-09
1963	441925.3	3768275	5.18E-09	6.31E-09	0.00E+00	1.15E-08	5.84E-09	9.18E-09	0.00E+00	1.50E-08	9.79E-10	1.56E-09	0.00E+00	2.54E-09	4.28E-10	6.27E-10	0.00E+00	1.05E-09
1964	441928.9	3768284	5.25E-09	6.40E-09	0.00E+00	1.17E-08	5.92E-09	9.31E-09	0.00E+00	1.52E-08	9.93E-10	1.59E-09	0.00E+00	2.58E-09	4.34E-10	6.36E-10	0.00E+00	1.07E-09
1965	441932.5	3768293	5.33E-09	6.50E-09	0.00E+00	1.18E-08	6.01E-09	9.45E-09	0.00E+00	1.55E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.41E-10	6.45E-10	0.00E+00	1.09E-09
1966	441936.2	3768301	5.41E-09	6.60E-09	0.00E+00	1.20E-08	6.10E-09	9.59E-09	0.00E+00	1.57E-08	1.02E-09	1.64E-09	0.00E+00	2.66E-09	4.48E-10	6.55E-10	0.00E+00	1.10E-09
1967	441939.8	3768310	5.51E-09	6.71E-09	0.00E+00	1.22E-08	6.21E-09	9.76E-09	0.00E+00	1.60E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.55E-10	6.66E-10	0.00E+00	1.12E-09
1968	441943.4	3768318	5.60E-09	6.83E-09	0.00E+00	1.24E-08	6.31E-09	9.93E-09	0.00E+00	1.62E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.63E-10	6.78E-10	0.00E+00	1.14E-09
1969	441947	3768327	5.70E-09	6.95E-09	0.00E+00	1.27E-08	6.43E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.71E-10	6.90E-10	0.00E+00	1.16E-09
1970	441950.6	3768336	5.80E-09	7.07E-09	0.00E+00	1.29E-08	6.53E-09	1.03E-08	0.00E+00	1.68E-08	1.10E-09	1.75E-09	0.00E+00	2.85E-09	4.79E-10	7.02E-10	0.00E+00	1.18E-09
1971	441954.3	3768344	5.90E-09	7.19E-09	0.00E+00	1.31E-08	6.65E-09	1.04E-08	0.00E+00	1.71E-08	1.11E-09	1.78E-09	0.00E+00	2.90E-09	4.87E-10	7.13E-10	0.00E+00	1.20E-09
1972	441957.9	3768353	6.00E-09	7.32E-09	0.00E+00	1.33E-08	6.77E-09	1.06E-08	0.00E+00	1.74E-08	1.13E-09	1.81E-09	0.00E+00	2.95E-09	4.96E-10	7.26E-10	0.00E+00	1.22E-09
1973	441961.5	3768361	6.12E-09	7.46E-09	0.00E+00	1.36E-08	6.90E-09	1.08E-08	0.00E+00	1.77E-08	1.16E-09	1.85E-09	0.00E+00	3.00E-09	5.06E-10	7.40E-10	0.00E+00	1.25E-09
1974	441965.1	3768370	6.24E-09	7.61E-09	0.00E+00	1.38E-08	7.03E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.06E-09	5.16E-10	7.55E-10	0.00E+00	1.27E-09
1975	441997.7	3768447	7.79E-09	9.49E-09	0.00E+00	1.73E-08	8.78E-09	1.38E-08	0.00E+00	2.26E-08	1.47E-09	2.35E-09	0.00E+00	3.82E-09	6.44E-10	9.42E-10	0.00E+00	1.59E-09
1976	441495.6	3767998	6.40E-09	7.80E-09	0.00E+00	1.42E-08	7.22E-09	1.13E-08	0.00E+00	1.86E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.29E-10	7.75E-10	0.00E+00	1.30E-09
1977	441486.3	3767998	6.52E-09	7.95E-09	0.00E+00	1.45E-08	7.35E-09	1.16E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.39E-10	7.89E-10	0.00E+00	1.33E-09
1978	441476.9	3767998	6.65E-09	8.10E-09	0.00E+00	1.48E-08	7.49E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.01E-09	0.00E+00	3.26E-09	5.50E-10	8.04E-10	0.00E+00	1.35E-09
1979	441467.5	3767998	6.79E-09	8.28E-09	0.00E+00	1.51E-08	7.66E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.34E-09	5.62E-10	8.22E-10	0.00E+00	1.38E-09
1980	441458.1	3767998	6.94E-09	8.46E-09	0.00E+00	1.54E-08	7.82E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.10E-09	0.00E+00	3.41E-09	5.74E-10	8.40E-10	0.00E+00	1.41E-09
1981	441448.7	3767998	7.08E-09	8.63E-09	0.00E+00	1.57E-08	7.98E-09	1.25E-08	0.00E+00	2.05E-08	1.34E-09	2.14E-09	0.00E+00	3.48E-09	5.85E-10	8.57E-10	0.00E+00	1.44E-09
1982	441439.3	3767998	7.19E-09	8.77E-09	0.00E+00	1.60E-08	8.11E-09	1.27E-08	0.00E+00	2.09E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.95E-10	8.71E-10	0.00E+00	1.47E-09
1983	441429.9	3767998	7.31E-09	8.91E-09	0.00E+00	1.62E-08	8.24E-09	1.30E-08	0.00E+00	2.12E-08	1.38E-09	2.21E-09	0.00E+00	3.59E-09	6.04E-10	8.85E-10	0.00E+00	1.49E-09
1984	441420.5	3767998	7.42E-09	9.05E-09	0.00E+00	1.65E-08	8.37E-09	1.32E-08	0.00E+00	2.15E-08	1.40E-09	2.24E-09	0.00E+00	3.65E-09	6.14E-10	8.99E-10	0.00E+00	1.51E-09
1985	441411.1	3767998	7.51E-09	9.15E-09	0.00E+00	1.67E-08	8.46E-09	1.33E-08	0.00E+00	2.18E-08	1.42E-09	2.27E-09	0.00E+00	3.69E-09	6.21E-10	9.09E-10	0.00E+00	1.53E-09
1986	441504.4	3767962	5.86E-09	7.15E-09	0.00E+00	1.30E-08	6.61E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.77E-09	0.00E+00	2.88E-09	4.85E-10	7.09E-10	0.00E+00	1.19E-09
1987	441513.1	3767965	5.81E-09	7.09E-09	0.00E+00	1.29E-08	6.55E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.81E-10	7.04E-10	0.00E+00	1.18E-09
1988	441521.8	3767969	5.77E-09	7.03E-09	0.00E+00	1.28E-08	6.50E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.77E-10	6.98E-10	0.00E+00	1.18E-09
1989	441530.4	3767972	5.73E-09	6.98E-09	0.00E+00	1.27E-08	6.46E-09	1.02E-08	0.00E+00	1.66E-08	1.08E-09	1.73E-09	0.00E+00	2.81E-09	4.74E-10	6.93E-10	0.00E+00	1.17E-09
1990	441539.1	3767976	5.69E-09	6.94E-09	0.00E+00	1.26E-08	6.41E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.71E-10	6.89E-10	0.00E+00	1.16E-09
1991	441547.7	3767980	5.66E-09	6.91E-09	0.00E+00	1.26E-08	6.38E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.86E-10	0.00E+00	1.15E-09
1992	441556.4	3767983	5.64E-09	6.88E-09	0.00E+00	1.25E-08	6.36E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.70E-09	0.00E+00	2.77E-09	4.66E-10	6.83E-10	0.00E+00	1.15E-09
1993	441565.1	3767987	5.62E-09	6.85E-09	0.00E+00	1.25E-08	6.34E-09	9.96E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.65E-10	6.80E-10	0.00E+00	1.14E-09
1994	441599.7	3768001	5.55E-09	6.77E-09	0.00E+00	1.23E-08	6.26E-09	9.84E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.73E-09	4.59E-10	6.72E-10	0.00E+00	1.13E-09
1995	441608.4	3768005	5.53E-09	6.74E-09	0.00E+00	1.23E-08	6.23E-09	9.80E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.72E-09	4.57E-10	6.69E-10	0.00E+00	1.13E-09
1996	441617	3768008	5.50E-09	6.71E-09	0.00E+00	1.22E-08	6.20E-09	9.75E-09	0.00E+00	1.60E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.55E-10	6.66E-10	0.00E+00	1.12E-09
1997	441625.7	3768012	5.48E-09	6.67E-09	0.00E+00	1.21E-08	6.17E-09	9.70E-09	0.00E+00	1.59E-08	1.04E-09	1.65E-09	0.00E+00	2.69E-09	4.53E-10	6.63E-10	0.00E+00	1.12E-09
1998	441634.3	3768016	5.45E-09	6.65E-09	0.00E+00	1.21E-08	6.15E-09	9.66E-09	0.00E+00	1.58E-08	1.03E-09	1.65E-09	0.00E+00	2.68E-09	4.51E-10	6.60E-10	0.00E+00	1.11E-09
1999	441643	3768019	5.43E-09	6.62E-09	0.00E+00	1.21E-08	6.12E-09	9.63E-09	0.00E+00	1.58E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.49E-10	6.58E-10	0.00E+00	1.11E-09
2000	441651.7	3768023	5.41E-09	6.60E-09	0.00E+00	1.20E-08	6.10E-09	9.59E-09	0.00E+00	1.57E-08	1.02E-09	1.64E-09	0.00E+00	2.66E-09	4.48E-10	6.55E-10	0.00E+00	1.10E-09
2001	441660.3	3768026	5.39E-09	6.57E-09	0.00E+00	1.20E-08	6.08E-09	9.55E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.65E-09	4.46E-10	6.52E-10	0.00E+00	1.10E-09
2002	441669	3768030	5.37E-09	6.54E-09	0.00E+00	1.19E-08	6.05E-09	9.51E-09	0.00E+00	1.56E-08	1.01E-09	1.62E-09	0.00E+00	2.64E-09	4.44E-10	6.50E-10	0.00E+00	1.09E-09
2003	441677.6	3768033	5.35E-09	6.52E-09	0.00E+00	1.19E-08	6.03E-09	9.47E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.42E-10	6.47E-10	0.00E+00	1.09E-09
2004	441686.3	3768037	5.32E-09	6.48E-09	0.00E+00	1.18E-08	6.00E-09	9.43E-09	0.00E+00	1.54E-08	1.01E-09	1.61E-09	0.00E+00	2.61E-09	4.40E-10	6.44E-10	0.00E+00	1.08E-09
2005	441695	3768041	5.29E-09	6.45E-09	0.00E+00	1.17E-08	5.96E-09	9.37E-09	0.00E+00	1.53E-08	1.00E-09	1.60E-09	0.00E+00	2.60E-09	4.37E-10	6.40E-10	0.00E+00	1.08E-09
2006	441703.6	3768044	5.26E-09	6.41E-09	0.00E+00	1.17E-08	5.92E-09	9.31E-09	0.00E+00	1.52E-08	9.94E-10	1.59E-09	0.00E+00	2.58E-09	4.35E-10	6.36E-10	0.00E+00	1.07E-09
2007	441712.3	3768048	5.22E-09	6.36E-09	0.00E+00	1.16E-08	5.88E-09	9.25E-09	0.00E+00	1.51E-08	9.87E-10	1.58E-09	0.00E+00	2.56E-09	4.32E-10	6.32E-10	0.00E+00	1.06E-09
2008	441720.9	3768051	5.18E-09	6.32E-09	0.00E+00	1.15E-08	5.84E-09	9.18E-09	0.00E+00	1.50E-08	9.79E-10	1.57E-09	0.00E+00	2.54E-09	4.28E-10	6.27E-10	0.00E+00	1.06E-09
2009	441807.5	3768087	4.71E-09	5.74E-09	0.00E+00	1.05E-08	5.31E-09	8.35E-09	0.00E+00	1.37E-08	8.91E-10	1.42E-09	0.00E+00	2.31E-09	3.90E-10	5.70E-10	0.00E+00	9.60E-10
2010	441816.2	3768091	4.66E-09	5.69E-09	0.00E+00	1.04E-08	5.26E-09	8.27E-09	0.00E+00	1.35E-08	8.82E-10	1.41E-09	0.00E+00	2.29E-09	3.86E-10	5.65E-10	0.00E+00	9.50E-10
2011	441824.9	3768094	4.61E-09	5.62E-09	0.00E+00	1.02E-08	5.20E-09	8.17E-09	0.00E+00	1.34E-08	8.72E-10	1.39E-09	0.00E+00	2.26E-09	3.81E-10	5.58E-10	0.00E+00	9.39E-10
2012	441833.5	3768098	4.56E-09	5.56E-09	0.00E+00	1.01E-08	5.14E-09	8.08E-09	0.00E+00	1.32E-08	8.61E-10	1.38E-09	0.00E+00	2.24E-09	3.77E-10	5.51E-10	0.00E+00	9.28E-10
2013	441842.2	3768102	4.50E-09	5.49E-09	0.00E+00	9.99E-09	5.07E-09	7.98E-09	0.00E+00	1.30E-08	8.51E-10	1.36E-09	0.00E+00	2.21E-09	3.72E-10	5.45E-10	0.00E+00	9.17E-10

2014	441850.8	3768105	4.44E-09	5.42E-09	0.00E+00	9.86E-09	5.01E-09	7.88E-09	0.00E+00	1.29E-08	8.40E-10	1.34E-09	0.00E+00	2.18E-09	3.68E-10	5.38E-10	0.00E+00	9.05E-10
2015	441859.5	3768109	4.39E-09	5.35E-09	0.00E+00	9.74E-09	4.95E-09	7.78E-09	0.00E+00	1.27E-08	8.30E-10	1.33E-09	0.00E+00	2.16E-09	3.63E-10	5.31E-10	0.00E+00	8.95E-10
2016	441868.2	3768112	4.34E-09	5.29E-09	0.00E+00	9.63E-09	4.89E-09	7.69E-09	0.00E+00	1.26E-08	8.20E-10	1.31E-09	0.00E+00	2.13E-09	3.59E-10	5.25E-10	0.00E+00	8.84E-10
2017	441876.8	3768116	4.29E-09	5.23E-09	0.00E+00	9.51E-09	4.83E-09	7.60E-09	0.00E+00	1.24E-08	8.10E-10	1.29E-09	0.00E+00	2.11E-09	3.54E-10	5.19E-10	0.00E+00	8.73E-10
2018	441885.5	3768120	4.23E-09	5.16E-09	0.00E+00	9.39E-09	4.77E-09	7.50E-09	0.00E+00	1.23E-08	8.00E-10	1.28E-09	0.00E+00	2.08E-09	3.50E-10	5.12E-10	0.00E+00	8.62E-10
2019	441894.1	3768123	4.18E-09	5.10E-09	0.00E+00	9.28E-09	4.71E-09	7.41E-09	0.00E+00	1.21E-08	7.91E-10	1.26E-09	0.00E+00	2.05E-09	3.46E-10	5.06E-10	0.00E+00	8.52E-10
2020	441906.4	3768135	4.16E-09	5.07E-09	0.00E+00	9.23E-09	4.69E-09	7.37E-09	0.00E+00	1.21E-08	7.86E-10	1.26E-09	0.00E+00	2.04E-09	3.44E-10	5.03E-10	0.00E+00	8.47E-10
2021	441910.1	3768144	4.19E-09	5.10E-09	0.00E+00	9.29E-09	4.72E-09	7.42E-09	0.00E+00	1.21E-08	7.91E-10	1.26E-09	0.00E+00	2.06E-09	3.46E-10	5.07E-10	0.00E+00	8.53E-10
2022	441913.7	3768153	4.21E-09	5.14E-09	0.00E+00	9.35E-09	4.75E-09	7.47E-09	0.00E+00	1.22E-08	7.96E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.10E-10	0.00E+00	8.58E-10
2023	441917.4	3768161	4.24E-09	5.17E-09	0.00E+00	9.41E-09	4.78E-09	7.51E-09	0.00E+00	1.23E-08	8.02E-10	1.28E-09	0.00E+00	2.08E-09	3.51E-10	5.13E-10	0.00E+00	8.64E-10
2024	441921	3768170	4.27E-09	5.21E-09	0.00E+00	9.47E-09	4.81E-09	7.57E-09	0.00E+00	1.24E-08	8.07E-10	1.29E-09	0.00E+00	2.10E-09	3.53E-10	5.17E-10	0.00E+00	8.70E-10
2025	441924.6	3768179	4.30E-09	5.24E-09	0.00E+00	9.54E-09	4.85E-09	7.62E-09	0.00E+00	1.25E-08	8.13E-10	1.30E-09	0.00E+00	2.11E-09	3.56E-10	5.20E-10	0.00E+00	8.76E-10
2026	441928.3	3768187	4.33E-09	5.28E-09	0.00E+00	9.61E-09	4.88E-09	7.68E-09	0.00E+00	1.26E-08	8.19E-10	1.31E-09	0.00E+00	2.13E-09	3.58E-10	5.24E-10	0.00E+00	8.82E-10
2027	441931.9	3768196	4.37E-09	5.32E-09	0.00E+00	9.69E-09	4.92E-09	7.74E-09	0.00E+00	1.27E-08	8.25E-10	1.32E-09	0.00E+00	2.14E-09	3.61E-10	5.28E-10	0.00E+00	8.89E-10
2028	441935.6	3768205	4.40E-09	5.37E-09	0.00E+00	9.77E-09	4.96E-09	7.80E-09	0.00E+00	1.28E-08	8.32E-10	1.33E-09	0.00E+00	2.16E-09	3.64E-10	5.33E-10	0.00E+00	8.97E-10
2029	441939.2	3768213	4.44E-09	5.41E-09	0.00E+00	9.86E-09	5.01E-09	7.87E-09	0.00E+00	1.29E-08	8.40E-10	1.34E-09	0.00E+00	2.18E-09	3.67E-10	5.38E-10	0.00E+00	9.05E-10
2030	441942.8	3768222	4.49E-09	5.47E-09	0.00E+00	9.95E-09	5.06E-09	7.95E-09	0.00E+00	1.30E-08	8.48E-10	1.36E-09	0.00E+00	2.20E-09	3.71E-10	5.43E-10	0.00E+00	9.14E-10
2031	441946.5	3768230	4.53E-09	5.52E-09	0.00E+00	1.01E-08	5.11E-09	8.03E-09	0.00E+00	1.31E-08	8.56E-10	1.37E-09	0.00E+00	2.23E-09	3.75E-10	5.48E-10	0.00E+00	9.23E-10
2032	441950.1	3768239	4.58E-09	5.58E-09	0.00E+00	1.02E-08	5.16E-09	8.11E-09	0.00E+00	1.33E-08	8.65E-10	1.38E-09	0.00E+00	2.25E-09	3.78E-10	5.54E-10	0.00E+00	9.32E-10
2033	441953.8	3768248	4.63E-09	5.64E-09	0.00E+00	1.03E-08	5.22E-09	8.20E-09	0.00E+00	1.34E-08	8.75E-10	1.40E-09	0.00E+00	2.27E-09	3.83E-10	5.60E-10	0.00E+00	9.43E-10
2034	441957.4	3768256	4.68E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.30E-09	0.00E+00	1.36E-08	8.85E-10	1.41E-09	0.00E+00	2.30E-09	3.87E-10	5.67E-10	0.00E+00	9.54E-10
2035	441961	3768265	4.74E-09	5.78E-09	0.00E+00	1.05E-08	5.35E-09	8.40E-09	0.00E+00	1.37E-08	8.96E-10	1.43E-09	0.00E+00	2.33E-09	3.92E-10	5.74E-10	0.00E+00	9.66E-10
2036	441964.7	3768274	4.81E-09	5.86E-09	0.00E+00	1.07E-08	5.42E-09	8.52E-09	0.00E+00	1.39E-08	9.08E-10	1.45E-09	0.00E+00	2.36E-09	3.97E-10	5.82E-10	0.00E+00	9.79E-10
2037	442001.1	3768360	5.70E-09	6.95E-09	0.00E+00	1.27E-08	6.43E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.72E-10	6.90E-10	0.00E+00	1.16E-09
2038	442004.7	3768369	5.83E-09	7.11E-09	0.00E+00	1.29E-08	6.57E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.82E-10	7.05E-10	0.00E+00	1.19E-09
2039	442008.4	3768377	5.96E-09	7.27E-09	0.00E+00	1.32E-08	6.72E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.93E-09	4.93E-10	7.21E-10	0.00E+00	1.21E-09
2040	442012	3768386	6.10E-09	7.44E-09	0.00E+00	1.35E-08	6.87E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	3.00E-09	5.04E-10	7.38E-10	0.00E+00	1.24E-09
2041	442015.7	3768395	6.24E-09	7.61E-09	0.00E+00	1.39E-08	7.04E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.16E-10	7.55E-10	0.00E+00	1.27E-09
2042	441495.8	3767958	5.91E-09	7.20E-09	0.00E+00	1.31E-08	6.66E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.79E-09	0.00E+00	2.90E-09	4.89E-10	7.15E-10	0.00E+00	1.20E-09
2043	441486.4	3767958	6.01E-09	7.32E-09	0.00E+00	1.33E-08	6.77E-09	1.06E-08	0.00E+00	1.74E-08	1.14E-09	1.81E-09	0.00E+00	2.95E-09	4.97E-10	7.27E-10	0.00E+00	1.22E-09
2044	441477	3767958	6.10E-09	7.44E-09	0.00E+00	1.35E-08	6.88E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	3.00E-09	5.05E-10	7.39E-10	0.00E+00	1.24E-09
2045	441467.6	3767958	6.20E-09	7.56E-09	0.00E+00	1.38E-08	6.99E-09	1.10E-08	0.00E+00	1.80E-08	1.17E-09	1.87E-09	0.00E+00	3.04E-09	5.13E-10	7.50E-10	0.00E+00	1.26E-09
2046	441458.2	3767958	6.30E-09	7.68E-09	0.00E+00	1.40E-08	7.10E-09	1.12E-08	0.00E+00	1.83E-08	1.19E-09	1.90E-09	0.00E+00	3.09E-09	5.21E-10	7.62E-10	0.00E+00	1.28E-09
2047	441448.8	3767958	6.39E-09	7.80E-09	0.00E+00	1.42E-08	7.21E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.29E-10	7.74E-10	0.00E+00	1.30E-09
2048	441439.4	3767958	6.49E-09	7.91E-09	0.00E+00	1.44E-08	7.32E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.19E-09	5.37E-10	7.86E-10	0.00E+00	1.32E-09
2049	441430	3767958	6.59E-09	8.03E-09	0.00E+00	1.46E-08	7.43E-09	1.17E-08	0.00E+00	1.91E-08	1.25E-09	1.99E-09	0.00E+00	3.24E-09	5.45E-10	7.98E-10	0.00E+00	1.34E-09
2050	441420.6	3767958	6.69E-09	8.16E-09	0.00E+00	1.48E-08	7.54E-09	1.19E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.29E-09	5.53E-10	8.10E-10	0.00E+00	1.36E-09
2051	441411.2	3767958	6.77E-09	8.25E-09	0.00E+00	1.50E-08	7.63E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.60E-10	8.19E-10	0.00E+00	1.38E-09
2052	441504.4	3767922	5.42E-09	6.60E-09	0.00E+00	1.20E-08	6.10E-09	9.60E-09	0.00E+00	1.57E-08	1.02E-09	1.64E-09	0.00E+00	2.66E-09	4.48E-10	6.55E-10	0.00E+00	1.10E-09
2053	441513	3767925	5.38E-09	6.56E-09	0.00E+00	1.19E-08	6.06E-09	9.53E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.64E-09	4.45E-10	6.51E-10	0.00E+00	1.10E-09
2054	441521.5	3767929	5.34E-09	6.51E-09	0.00E+00	1.18E-08	6.02E-09	9.46E-09	0.00E+00	1.55E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.41E-10	6.46E-10	0.00E+00	1.09E-09
2055	441530	3767932	5.30E-09	6.46E-09	0.00E+00	1.18E-08	5.97E-09	9.39E-09	0.00E+00	1.54E-08	1.00E-09	1.60E-09	0.00E+00	2.60E-09	4.38E-10	6.41E-10	0.00E+00	1.08E-09
2056	441538.6	3767936	5.25E-09	6.41E-09	0.00E+00	1.17E-08	5.92E-09	9.31E-09	0.00E+00	1.52E-08	9.93E-10	1.59E-09	0.00E+00	2.58E-09	4.34E-10	6.36E-10	0.00E+00	1.07E-09
2057	441547.1	3767939	5.22E-09	6.36E-09	0.00E+00	1.16E-08	5.88E-09	9.25E-09	0.00E+00	1.51E-08	9.87E-10	1.58E-09	0.00E+00	2.56E-09	4.32E-10	6.32E-10	0.00E+00	1.06E-09
2058	441555.6	3767943	5.19E-09	6.32E-09	0.00E+00	1.15E-08	5.85E-09	9.19E-09	0.00E+00	1.50E-08	9.81E-10	1.57E-09	0.00E+00	2.55E-09	4.29E-10	6.28E-10	0.00E+00	1.06E-09
2059	441564.2	3767946	5.16E-09	6.29E-09	0.00E+00	1.14E-08	5.81E-09	9.14E-09	0.00E+00	1.50E-08	9.75E-10	1.56E-09	0.00E+00	2.53E-09	4.26E-10	6.24E-10	0.00E+00	1.05E-09
2060	441598.3	3767961	5.10E-09	6.21E-09	0.00E+00	1.13E-08	5.75E-09	9.03E-09	0.00E+00	1.48E-08	9.64E-10	1.54E-09	0.00E+00	2.50E-09	4.22E-10	6.17E-10	0.00E+00	1.04E-09
2061	441606.8	3767964	5.08E-09	6.20E-09	0.00E+00	1.13E-08	5.73E-09	9.01E-09	0.00E+00	1.47E-08	9.61E-10	1.54E-09	0.00E+00	2.50E-09	4.20E-10	6.15E-10	0.00E+00	1.04E-09
2062	441615.3	3767968	5.07E-09	6.18E-09	0.00E+00	1.13E-08	5.72E-09	8.99E-09	0.00E+00	1.47E-08	9.59E-10	1.53E-09	0.00E+00	2.49E-09	4.19E-10	6.14E-10	0.00E+00	1.03E-09
2063	441623.9	3767971	5.06E-09	6.16E-09	0.00E+00	1.12E-08	5.70E-09	8.96E-09	0.00E+00	1.47E-08	9.56E-10	1.53E-09	0.00E+00	2.48E-09	4.18E-10	6.12E-10	0.00E+00	1.03E-09
2064	441632.4	3767975	5.04E-09	6.15E-09	0.00E+00	1.12E-08	5.68E-09	8.93E-09	0.00E+00	1.46E-08	9.53E-10	1.52E-09	0.00E+00	2.48E-09	4.17E-10	6.10E-10	0.00E+00	1.03E-09
2065	441640.9	3767978	5.03E-09	6.13E-09	0.00E+00	1.12E-08	5.67E-09	8.91E-09	0.00E+00	1.46E-08	9.51E-10	1.52E-09	0.00E+00	2.47E-09	4.16E-10	6.09E-10	0.00E+00	1.02E-09
2066	441649.5	3767982	5.02E-09	6.11E-09	0.00E+00	1.11E-08	5.65E-09	8.89E-09	0.00E+00	1.45E-08	9.48E-10	1.52E-09	0.00E+00	2.46E-09	4.15E-10	6.07E-10	0.00E+00	1.02E-09
2067	441658	3767985	5.00E-09	6.10E-09	0.00E+00	1.11E-08	5.64E-09	8.87E-09	0.00E+00	1.45E-08	9.46E-10	1.51E-09	0.00E+00	2.46E-09	4.14E-10	6.06E-10	0.00E+00	1.02E-09
2068	441666.5	3767989	4.99E-09	6.08E-09	0.00E+00	1.11E-08	5.62E-09	8.84E-09	0.00E+00	1.45E-08	9.43E-10	1.51E-09	0.00E+00	2.45E-09	4.12E-10	6.04E-10	0.00E+00	1.02E-09
2069	441675.1	3767992	4.97E-09	6.06E-09	0.00E+00	1.10E-08	5.60E-09	8.81E-09	0.00E+00	1.44E-08	9.40E-10	1.50E-09	0.00E+00	2.44E-09	4.11E-10	6.02E-10	0.00E+00	1.01E-09
2070	441683.6	3767996	4.95E-09	6.04E-09	0.00E+00	1.10E-08	5.58E-09	8.78E-09	0.00E+00	1.44E-08	9.36E-10	1.50E-09	0.00E+00	2.43E-09	4.10E-10	5.99E-10	0.00E+00	1.01E-09
2071	441692.1	3767999	4.93E-09	6.01E-09	0.00E+00	1.09E-08	5.56E-09	8.74E-09	0.00E+00	1.43E-08	9.32E-10	1.49E-09	0.00E+00	2.42E-09	4.08E-10	5.97E-10	0.00E+00	1.00E-09
2072	441700.7	3768003	4.90E-09	5.97E-09	0.00E+00	1.09E-08	5.52E-09	8.68E-09	0.00E+00	1.42E-08	9.27E-10	1.48E-09	0.00E+00	2.41E-09	4.05E-10	5.93E-10	0.00E+00	9.98E-10
2073	441709.2	3768007	4.87E-09	5.94E-09	0.00E+00	1.08E-08	5.49E-09	8.63E-09	0.00E+00	1.41E-08	9.21E-10	1.47E-09	0.00E+00	2.39E-09	4.03E-10	5.90E-10	0.00E+00	9.92E-10
2074	441717.7	3768010	4.84E-09	5.91E-09	0.00E+00	1.08E-08	5.46E-09	8.58E-09	0.00E+00	1.40E-08	9.16E-10	1.46E-09	0.00E+00	2.38E-09	4.01E-10	5.86E-10	0.00E+00	9.87E-10
2075	441726.2	3768014	4.81E-09	5.86E-09	0.00E+00	1.07E-08	5.42E-09	8.52E-09	0.00E+00	1.39E-08	9.09E-10	1.45E-09	0.00E+00	2.36E-09	3.98E-10	5.82E-10	0.00E+00	9.80E-10
2076	441734.8	3768017	4.77E-09	5.82E-09	0.00E+00	1.06E-08	5.38E-09	8.46E-09	0.00E+00	1.38E-08	9.02E-10	1.44E-09	0.00E+00	2.34E-09	3.95E-10	5.78E-10	0.00E+00	9.72E-10
2077	441743.3	3768021	4.73E-09	5.77E-09	0.00E+00	1.05E-08	5.34E-09	8.39E-09	0.00E+00	1.37E-08	8.95E-10	1.43E-09	0.00E+00	2.32E-09	3.91E-10	5.73E-10	0.00E+00	9.64E-10
2078	441751.8	3768024	4.69E-09	5.72E-09	0.00E+00	1.04E-08	5.29E-09	8.31E-09	0.00E+00	1.36E-08	8.87E-10	1.42E-09	0.00E+00	2.30E-09	3.88E-10	5.68E-10	0.00E+00	9.56E-10
2079	441760.4	3768028	4.64E-09	5.66E-09	0.00E+00	1.03E-08	5.23E-09	8.22E-09	0.00E+00	1.35E-08	8.77E-10	1.40E-09	0.00E+00	2.28E-09	3.84E-10	5.61E-10	0.00E+00	9.45E-10
2080	441768.9	3768031	4.58E-09	5.59E-09	0.00E+00	1.02E-08	5.17E-09	8.12E-09	0.00E+00	1.33E-08	8.67E-10	1.38E-09	0.00E+00	2.25E-09	3.79E-10	5.55E-10	0.00E+00	9.34E-10
2081	441777.4	3768035	4.53E-09	5.52E-09	0.00E+00	1.01E-08	5.11E-09	8.03E-09	0.00E+00	1.31E-08	8.56E-10	1.37E-09	0.00E+00	2.22E-09	3.75E-10	5.48E-10	0.00E+00	9.23E-10
2082	441786	3768038	4.48E-09	5.46E-09	0.00E+00	9.94E-09	5.05E-09	7.94E-09	0.00E+00	1.30E-08	8.47E-10	1.35E-09	0.00E+00	2.20E-09	3.71E-10	5.42E-10	0.00E+00	9.13E-10
2083	441794.5	3768042	4.44E-09	5.41E-09	0.00E+00	9.84E-09	5.00E-09	7.86E-09	0.00E+00	1.29E-08	8.38E-10	1.34E-09	0.00E+00	2.18E-09	3.67E-10	5.37E-10	0.00E+00	9.04E-10
2084	441803	3768045	4.39E-09	5.35E-09	0.00E+00	9.74E-09	4.95E-09	7.78E-09	0.00E+00	1.27E-08	8.30E-10	1.33E-09	0.00E+00	2.16E-09	3.63E-10	5.31E-10	0.00E+00	8.95E-10
2085	441811.6	3768049	4.35E-09	5.30E-09	0.00E+00	9.65E-09	4.90E-09	7.71E-09	0.00E+00	1.26E-08	8.22E-10	1.31E-09	0.00E+00	2.14E-09	3.60E-10	5.26E-10	0.00E+00	8.86E-10
2086	441820.1	3768052	4.31E-09	5.26E-09	0.00E+00	9.57E-09	4.86E-09	7.64E-09	0.00E+00	1.25E-08	8.16E-10	1.30E-09	0.00E+00	2.12E-09	3.57E-10	5.22E-10	0.00E+00	8.79E-10
2087	441828.6	3768056	4.28E-09	5.22E-09	0.00E+00	9.50E-09	4.82E-09	7.58E-09	0.00E+00	1.24E-08	8.09E-10	1.29E-09	0.00E+00	2.10E-09	3.54E-10	5.18E-10	0.00E+00	8.72E-10
2088	441837.2	3768060	4.25E-09	5.18E-09	0.00E+00	9.42E-09	4.79E-09	7.52E-09	0.00E+00	1.23E-08	8.03E-10	1.28E-09	0.00E+00	2.09E-09	3.51E-10	5.14E-10	0.00E+00	8.65E-10
2089	441845.7	3768063	4.21E-09	5.13E-09	0.00E+00	9.33E-09	4.74E-09	7.45E-09	0.00E+00	1.22E-08	7.95E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.09E-10	0.00E+00	8.57E-10
2090	441922.5	3768095	3.84E-09	4.68E-09	0.00E+00	8.52E-09	4.33E-09	6.80E-09	0.00E+00	1.11E-08	7.26E-10	1.16E-09	0.00E+00	1.89E-09	3.17E-10	4.65E-10	0.00E+00	7.82E-10
2091	441934.6	3768107	3.82E-09	4.65E-09	0.00E+00	8.47E-09	4.30E-09	6.76E-09	0.00E+00	1.11E-08	7.21E-10	1.15E-09	0.00E+00	1.87E-09	3.16E-10	4.62E-10	0.00E+00	7.77E-10
2092	441938.2	3768115	3.83E-09	4.67E-09	0.00E+00	8.50E-09	4.32E-09	6.79E-09	0.00E+00	1.11E-08	7.25E-10	1.16E-09	0.00E+00	1.88E-09	3.17E-10	4.64E-10	0.00E+00	7.81E-10
2093	441941.8	3768124	3.85E-09	4.70E-09	0.00E+00	8.55E-09	4.34E-09	6.83E-09	0.00E+00	1.12E-08	7.28E-10	1.16E-09	0.00E+00	1.89E-09	3.18E-10	4.66E-10	0.00E+00	7.85E-10
2094	441945.3	3768132	3.88E-09	4.72E-09	0.00E+00	8.60E-09	4.37E-09	6.87E-09	0.00E+00	1.12E-08	7.33E-10	1.17E-09	0.00E+00	1.90E-09	3.20E-10	4.69E-10	0.00E+00	7.89E-10
2095	441948.9	3768141	3.90E-09	4.75E-09	0.00E+00	8.65E-09	4.40E-09	6.91E-09	0.00E+00	1.13E-08	7.37E-10	1.18E-09	0.00E+00	1.92E-09	3.22E-10	4.72E-10	0.00E+00	7.94E-10
2096	441952.5	3768149	3.92E-09	4.78E-09	0.00E+00	8.71E-09	4.42E-09	6.95E-09	0.00E+00	1.14E-08	7.42E-10	1.19E-09	0.00E+00	1.93E-09	3.24E-10	4.75E-10	0.00E+00	7.99E-10
2097	441956.1	3768158	3.95E-09	4.82E-09	0.00E+00	8.77E-09	4.45E-09	7.00E-09	0.00E+00	1.15E-08	7.47E-10	1.19E-09	0.00E+00	1.94E-09	3.27E-10	4.78E-10	0.00E+00	8.05E-10
2098	441959.7	3768166	3.98E-09	4.85E-09	0.00E+00	8.83E-09	4.48E-09	7.05E-09	0.00E+00	1.15E-08	7.52E-10	1.20E-09	0.00E+00	1.95E-09	3.29E-10	4.81E-10	0.00E+00	8.10E-10
2099	441963.3	3768175	4.01E-09	4.89E-09	0.00E+00	8.89E-09	4.52E-09	7.10E-09	0.00E+00	1.16E-08	7.58E-10	1.21E-09	0.00E+00	1.97E-09	3.31E-10	4.85E-10	0.00E+00	8.16E-10
2100	441999.1	3768260	4.38E-09	5.34E-09	0.00E+00	9.72E-09	4.94E-09	7.76E-09	0.00E+00	1.27E-08	8.28E-10	1.32E-09	0.00E+00	2.15E-09	3.62E-10	5.30E-10	0.00E+00	8.93E-10
2101	442002.7	3768269	4.44E-09	5.41E-09	0.00E+00	9.85E-09	5.00E-09	7.86E-09	0.00E+00	1.29E-08	8.39E-10	1.34E-09	0.00E+00	2.18E-09	3.67E-10	5.37E-10	0.00E+00	9.04E-10
2102	442006.3	3768277	4.51E-09	5.50E-09	0.00E+00	1.00E-08	5.08E-09	7.99E-09	0.00E+00	1.31E-08	8.53E-10	1.36E-09	0.00E+00	2.22E-09	3.73E-10	5.46E-10	0.00E+00	9.19E-10
2103	442009.9	3768286	4.59E-09	5.59E-09	0.00E+00	1.02E-08	5.17E-09	8.13E-09	0.00E+00	1.33E-08	8.67E-10	1.39E-09	0.00E+00	2.25E-09	3.79E-10	5.55E-10	0.00E+00	9.34E-10
2104	442013.5	3768294	4.67E-09	5.69E-09	0.00E+00	1.04E-08	5.26E-09	8.27E-09	0.00E+00	1.35E-08	8.82E-10	1.41E-09	0.00E+00	2.29E-09	3.86E-10	5.65E-10	0.00E+00	9.51E-10
2105	442017.1	3768303	4.75E-09	5.79E-09	0.00E+00	1.05E-08	5.35E-09	8.41E-09	0.00E+00	1.38E-08	8.97E-10	1.43E-09	0.00E+00	2.33E-09	3.93E-10	5.75E-10	0.00E+00	9.67E-10
2106	442020.7	3768311	4.83E-09	5.89E-09	0.00E+00	1.07E-08	5.45E-09	8.57E-09	0.00E+00	1.40E-08	9.14E-10	1.46E-09	0.00E+00	2.37E-09	4.00E-10	5.85E-10	0.00E+00	9.85E-10
2107	442024.2	3768320	4.93E-09	6.01E-09	0.00E+00	1.09E-08	5.56E-09	8.73E-09	0.00E+00	1.43E-08	9.32E-10	1.49E-09	0.00E+00	2.42E-09	4.08E-10	5.97E-10	0.00E+00	1.00E-09
2108	442027.8	3768328	5.03E-09	6.13E-09	0.00E+00	1.12E-08	5.67E-09	8.91E-09	0.00E+00	1.46E-08	9.50E-10	1.52E-09	0.00E+00	2.47E-09	4.16E-10	6.08E-10	0.00E+00	1.02E-09
2109	442031.4	3768337	5.12E-09	6.24E-09	0.00E+00	1.14E-08	5.77E-09	9.07E-09	0.00E+00	1.48E-08	9.67E-10	1.55E-09	0.00E+00	2.51E-09	4.23E-10	6.19E-10	0.00E+00	1.04E-09
2110	442035	3768345	5.20E-09	6.34E-09	0.00E+00	1.15E-08	5.87E-09	9.22E-09	0.00E+00	1.51E-08	9.84E-10	1.57E-09	0.00E+00	2.56E-09	4.30E-10	6.30E-10	0.00E+00	1.06E-09
2111	442038.6	3768354	5.29E-09	6.45E-09	0.00E+00	1.17E-08	5.97E-09	9.38E-09	0.00E+00	1.53E-08	1.00E-09	1.60E-09	0.00E+00	2.60E-09	4.38E-10	6.41E-10	0.00E+00	1.08E-09
2112	442042.2	3768362	5.39E-09	6.57E-09	0.00E+00	1.20E-08	6.07E-09	9.55E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.65E-09	4.46E-10	6.52E-10	0.00E+00	1.10E-09
2113	442045.8	3768371	5.50E-09	6.71E-09	0.00E+00	1.22E-08	6.20E-09	9.75E-09	0.00E+00	1.60E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.55E-10	6.66E-10	0.00E+00	1.12E-09
2114	442049.3	3768379	5.62E-09	6.85E-09	0.00E+00	1.25E-08	6.34E-09	9.96E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.65E-10	6.80E-10	0.00E+00	1.14E-09
2115	442052.9	3768388	5.75E-09	7.01E-09	0.00E+00	1.28E-08	6.48E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.82E-09	4.75E-10	6.96E-10	0.00E+00	1.17E-09
2116	442056.5	3768396	5.88E-09	7.17E-09	0.00E+00	1.31E-08	6.63E-09	1.04E-08	0.00E+00	1.71E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.87E-10	7.12E-10	0.00E+00	1.20E-09
2117	442074.4	3768439	6.65E-09	8.11E-09	0.00E+00	1.48E-08	7.50E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.01E-09	0.00E+00	3.27E-09	5.50E-10	8.05E-10	0.00E+00	1.36E-09
2118	442078	3768447	6.82E-09	8.31E-09	0.00E+00	1.51E-08	7.69E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.35E-09	5.64E-10	8.25E-10	0.00E+00	1.39E-09
2119	442081.6	3768456	7.00E-09	8.53E-09	0.00E+00	1.55E-08	7.89E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.11E-09	0.00E+00	3.44E-09	5.79E-10	8.47E-10	0.00E+00	1.43E-09
2120	442085.2	3768464	7.19E-09	8.76E-09	0.00E+00	1.60E-08	8.10E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.94E-10	8.70E-10	0.00E+00	1.46E-09
2121	442088.8	3768473	7.39E-09	9.00E-09	0.00E+00	1.64E-08	8.33E-09	1.31E-08	0.00E+00	2.14E-08	1.40E-09	2.23E-09	0.00E+00	3.63E-09	6.11E-10	8.94E-10	0.00E+00	1.50E-09
2122	442092.4	3768481	7.59E-09	9.25E-09	0.00E+00	1.68E-08	8.56E-09	1.34E-08	0.00E+00	2.20E-08	1.43E-09	2.29E-09	0.00E+00	3.73E-09	6.28E-10	9.19E-10	0.00E+00	1.55E-09
2123	441495.9	3767918	5.45E-09	6.64E-09	0.00E+00	1.21E-08	6.14E-09	9.65E-09	0.00E+00	1.58E-08	1.03E-09	1.65E-09	0.00E+00	2.68E-09	4.50E-10	6.59E-10	0.00E+00	1.11E-09
2124	441486.5	3767918	5.53E-09	6.74E-09	0.00E+00	1.23E-08	6.23E-09	9.79E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.57E-10	6.69E-10	0.00E+00	1.13E-09
2125	441477.1	3767918	5.60E-09	6.83E-09	0.00E+00	1.24E-08	6.31E-09	9.93E-09	0.00E+00	1.62E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.63E-10	6.78E-10	0.00E+00	1.14E-09

2126	441467.7	3767918	5.67E-09	6.91E-09	0.00E+00	1.26E-08	6.39E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.69E-10	6.86E-10	0.00E+00	1.15E-09
2127	441458.3	3767918	5.73E-09	6.99E-09	0.00E+00	1.27E-08	6.46E-09	1.02E-08	0.00E+00	1.66E-08	1.08E-09	1.73E-09	0.00E+00	2.82E-09	4.74E-10	6.94E-10	0.00E+00	1.17E-09
2128	441448.9	3767918	5.80E-09	7.07E-09	0.00E+00	1.29E-08	6.54E-09	1.03E-08	0.00E+00	1.68E-08	1.10E-09	1.75E-09	0.00E+00	2.85E-09	4.79E-10	7.02E-10	0.00E+00	1.18E-09
2129	441439.6	3767918	5.88E-09	7.17E-09	0.00E+00	1.31E-08	6.63E-09	1.04E-08	0.00E+00	1.71E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.86E-10	7.12E-10	0.00E+00	1.20E-09
2130	441430.2	3767918	5.97E-09	7.28E-09	0.00E+00	1.32E-08	6.73E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.93E-09	4.94E-10	7.22E-10	0.00E+00	1.22E-09
2131	441420.8	3767918	6.06E-09	7.38E-09	0.00E+00	1.34E-08	6.83E-09	1.07E-08	0.00E+00	1.76E-08	1.14E-09	1.83E-09	0.00E+00	2.97E-09	5.01E-10	7.33E-10	0.00E+00	1.23E-09
2132	441411.4	3767918	6.13E-09	7.48E-09	0.00E+00	1.36E-08	6.91E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.85E-09	0.00E+00	3.01E-09	5.07E-10	7.42E-10	0.00E+00	1.25E-09
2133	441504.6	3767882	5.03E-09	6.13E-09	0.00E+00	1.12E-08	5.66E-09	8.91E-09	0.00E+00	1.46E-08	9.50E-10	1.52E-09	0.00E+00	2.47E-09	4.16E-10	6.08E-10	0.00E+00	1.02E-09
2134	441513.2	3767885	5.00E-09	6.09E-09	0.00E+00	1.11E-08	5.63E-09	8.86E-09	0.00E+00	1.45E-08	9.45E-10	1.51E-09	0.00E+00	2.45E-09	4.13E-10	6.05E-10	0.00E+00	1.02E-09
2135	441521.8	3767889	4.96E-09	6.05E-09	0.00E+00	1.10E-08	5.59E-09	8.80E-09	0.00E+00	1.44E-08	9.38E-10	1.50E-09	0.00E+00	2.44E-09	4.10E-10	6.01E-10	0.00E+00	1.01E-09
2136	441530.3	3767892	4.93E-09	6.01E-09	0.00E+00	1.09E-08	5.55E-09	8.73E-09	0.00E+00	1.43E-08	9.31E-10	1.49E-09	0.00E+00	2.42E-09	4.07E-10	5.96E-10	0.00E+00	1.00E-09
2137	441538.9	3767896	4.89E-09	5.96E-09	0.00E+00	1.08E-08	5.51E-09	8.66E-09	0.00E+00	1.42E-08	9.24E-10	1.48E-09	0.00E+00	2.40E-09	4.04E-10	5.92E-10	0.00E+00	9.96E-10
2138	441547.5	3767899	4.86E-09	5.93E-09	0.00E+00	1.08E-08	5.48E-09	8.62E-09	0.00E+00	1.41E-08	9.19E-10	1.47E-09	0.00E+00	2.39E-09	4.02E-10	5.88E-10	0.00E+00	9.90E-10
2139	441556.1	3767903	4.84E-09	5.89E-09	0.00E+00	1.07E-08	5.45E-09	8.57E-09	0.00E+00	1.40E-08	9.14E-10	1.46E-09	0.00E+00	2.37E-09	4.00E-10	5.85E-10	0.00E+00	9.85E-10
2140	441564.7	3767907	4.81E-09	5.86E-09	0.00E+00	1.07E-08	5.42E-09	8.52E-09	0.00E+00	1.39E-08	9.09E-10	1.45E-09	0.00E+00	2.36E-09	3.97E-10	5.82E-10	0.00E+00	9.79E-10
2141	441599	3767921	4.74E-09	5.78E-09	0.00E+00	1.05E-08	5.35E-09	8.41E-09	0.00E+00	1.38E-08	8.97E-10	1.43E-09	0.00E+00	2.33E-09	3.92E-10	5.74E-10	0.00E+00	9.67E-10
2142	441607.5	3767924	4.72E-09	5.76E-09	0.00E+00	1.05E-08	5.33E-09	8.37E-09	0.00E+00	1.37E-08	8.93E-10	1.43E-09	0.00E+00	2.32E-09	3.91E-10	5.72E-10	0.00E+00	9.62E-10
2143	441616.1	3767928	4.70E-09	5.73E-09	0.00E+00	1.04E-08	5.30E-09	8.34E-09	0.00E+00	1.36E-08	8.89E-10	1.42E-09	0.00E+00	2.31E-09	3.89E-10	5.69E-10	0.00E+00	9.58E-10
2144	441624.7	3767931	4.68E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.30E-09	0.00E+00	1.36E-08	8.85E-10	1.41E-09	0.00E+00	2.30E-09	3.87E-10	5.67E-10	0.00E+00	9.54E-10
2145	441633.3	3767935	4.66E-09	5.68E-09	0.00E+00	1.03E-08	5.26E-09	8.26E-09	0.00E+00	1.35E-08	8.82E-10	1.41E-09	0.00E+00	2.29E-09	3.86E-10	5.64E-10	0.00E+00	9.50E-10
2146	441641.8	3767939	4.65E-09	5.67E-09	0.00E+00	1.03E-08	5.24E-09	8.24E-09	0.00E+00	1.35E-08	8.79E-10	1.40E-09	0.00E+00	2.28E-09	3.84E-10	5.63E-10	0.00E+00	9.47E-10
2147	441650.4	3767942	4.64E-09	5.65E-09	0.00E+00	1.03E-08	5.23E-09	8.22E-09	0.00E+00	1.34E-08	8.77E-10	1.40E-09	0.00E+00	2.28E-09	3.83E-10	5.61E-10	0.00E+00	9.45E-10
2148	441659	3767946	4.63E-09	5.64E-09	0.00E+00	1.03E-08	5.22E-09	8.20E-09	0.00E+00	1.34E-08	8.75E-10	1.40E-09	0.00E+00	2.27E-09	3.83E-10	5.60E-10	0.00E+00	9.43E-10
2149	441667.6	3767949	4.61E-09	5.62E-09	0.00E+00	1.02E-08	5.19E-09	8.16E-09	0.00E+00	1.34E-08	8.71E-10	1.39E-09	0.00E+00	2.26E-09	3.81E-10	5.57E-10	0.00E+00	9.38E-10
2150	441676.2	3767953	4.58E-09	5.59E-09	0.00E+00	1.02E-08	5.17E-09	8.12E-09	0.00E+00	1.33E-08	8.67E-10	1.39E-09	0.00E+00	2.25E-09	3.79E-10	5.55E-10	0.00E+00	9.34E-10
2151	441684.7	3767956	4.56E-09	5.56E-09	0.00E+00	1.01E-08	5.14E-09	8.09E-09	0.00E+00	1.32E-08	8.63E-10	1.38E-09	0.00E+00	2.24E-09	3.77E-10	5.52E-10	0.00E+00	9.30E-10
2152	441693.3	3767960	4.54E-09	5.53E-09	0.00E+00	1.01E-08	5.11E-09	8.04E-09	0.00E+00	1.32E-08	8.58E-10	1.37E-09	0.00E+00	2.23E-09	3.75E-10	5.49E-10	0.00E+00	9.24E-10
2153	441701.9	3767963	4.50E-09	5.49E-09	0.00E+00	9.99E-09	5.08E-09	7.98E-09	0.00E+00	1.31E-08	8.51E-10	1.36E-09	0.00E+00	2.21E-09	3.72E-10	5.45E-10	0.00E+00	9.17E-10
2154	441710.5	3767967	4.47E-09	5.45E-09	0.00E+00	9.92E-09	5.04E-09	7.93E-09	0.00E+00	1.30E-08	8.45E-10	1.35E-09	0.00E+00	2.20E-09	3.70E-10	5.41E-10	0.00E+00	9.11E-10
2155	441719	3767971	4.44E-09	5.42E-09	0.00E+00	9.86E-09	5.01E-09	7.87E-09	0.00E+00	1.29E-08	8.40E-10	1.34E-09	0.00E+00	2.18E-09	3.67E-10	5.38E-10	0.00E+00	9.05E-10
2156	441727.6	3767974	4.42E-09	5.38E-09	0.00E+00	9.80E-09	4.98E-09	7.82E-09	0.00E+00	1.28E-08	8.35E-10	1.33E-09	0.00E+00	2.17E-09	3.65E-10	5.34E-10	0.00E+00	8.99E-10
2157	441736.2	3767978	4.39E-09	5.35E-09	0.00E+00	9.73E-09	4.94E-09	7.77E-09	0.00E+00	1.27E-08	8.29E-10	1.33E-09	0.00E+00	2.15E-09	3.63E-10	5.31E-10	0.00E+00	8.94E-10
2158	441744.8	3767981	4.36E-09	5.31E-09	0.00E+00	9.67E-09	4.91E-09	7.72E-09	0.00E+00	1.26E-08	8.24E-10	1.32E-09	0.00E+00	2.14E-09	3.60E-10	5.27E-10	0.00E+00	8.88E-10
2159	441753.3	3767985	4.33E-09	5.27E-09	0.00E+00	9.60E-09	4.88E-09	7.66E-09	0.00E+00	1.25E-08	8.18E-10	1.31E-09	0.00E+00	2.12E-09	3.58E-10	5.23E-10	0.00E+00	8.81E-10
2160	441761.9	3767988	4.29E-09	5.23E-09	0.00E+00	9.52E-09	4.84E-09	7.60E-09	0.00E+00	1.24E-08	8.11E-10	1.30E-09	0.00E+00	2.11E-09	3.55E-10	5.19E-10	0.00E+00	8.74E-10
2161	441770.5	3767992	4.25E-09	5.18E-09	0.00E+00	9.44E-09	4.79E-09	7.54E-09	0.00E+00	1.23E-08	8.04E-10	1.28E-09	0.00E+00	2.09E-09	3.52E-10	5.15E-10	0.00E+00	8.66E-10
2162	441779.1	3767995	4.21E-09	5.14E-09	0.00E+00	9.35E-09	4.75E-09	7.47E-09	0.00E+00	1.22E-08	7.96E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.10E-10	0.00E+00	8.58E-10
2163	441787.7	3767999	4.17E-09	5.09E-09	0.00E+00	9.26E-09	4.70E-09	7.39E-09	0.00E+00	1.21E-08	7.89E-10	1.26E-09	0.00E+00	2.05E-09	3.45E-10	5.05E-10	0.00E+00	8.50E-10
2164	441796.2	3768003	4.13E-09	5.03E-09	0.00E+00	9.16E-09	4.65E-09	7.31E-09	0.00E+00	1.20E-08	7.80E-10	1.25E-09	0.00E+00	2.03E-09	3.41E-10	4.99E-10	0.00E+00	8.41E-10
2165	441804.8	3768006	4.08E-09	4.97E-09	0.00E+00	9.06E-09	4.60E-09	7.23E-09	0.00E+00	1.18E-08	7.71E-10	1.23E-09	0.00E+00	2.00E-09	3.37E-10	4.94E-10	0.00E+00	8.31E-10
2166	441813.4	3768010	4.04E-09	4.92E-09	0.00E+00	8.96E-09	4.55E-09	7.15E-09	0.00E+00	1.17E-08	7.63E-10	1.22E-09	0.00E+00	1.98E-09	3.34E-10	4.89E-10	0.00E+00	8.22E-10
2167	441822	3768013	4.00E-09	4.87E-09	0.00E+00	8.87E-09	4.51E-09	7.08E-09	0.00E+00	1.16E-08	7.56E-10	1.21E-09	0.00E+00	1.96E-09	3.31E-10	4.84E-10	0.00E+00	8.14E-10
2168	441830.5	3768017	3.96E-09	4.82E-09	0.00E+00	8.78E-09	4.46E-09	7.01E-09	0.00E+00	1.15E-08	7.48E-10	1.20E-09	0.00E+00	1.94E-09	3.27E-10	4.79E-10	0.00E+00	8.06E-10
2169	441839.1	3768020	3.92E-09	4.78E-09	0.00E+00	8.69E-09	4.42E-09	6.94E-09	0.00E+00	1.14E-08	7.41E-10	1.18E-09	0.00E+00	1.92E-09	3.24E-10	4.74E-10	0.00E+00	7.98E-10
2170	441847.7	3768024	3.87E-09	4.72E-09	0.00E+00	8.60E-09	4.37E-09	6.87E-09	0.00E+00	1.12E-08	7.32E-10	1.17E-09	0.00E+00	1.90E-09	3.20E-10	4.69E-10	0.00E+00	7.89E-10
2171	441856.3	3768027	3.83E-09	4.67E-09	0.00E+00	8.51E-09	4.32E-09	6.80E-09	0.00E+00	1.11E-08	7.25E-10	1.16E-09	0.00E+00	1.88E-09	3.17E-10	4.64E-10	0.00E+00	7.81E-10
2172	441864.9	3768031	3.80E-09	4.63E-09	0.00E+00	8.43E-09	4.28E-09	6.73E-09	0.00E+00	1.10E-08	7.18E-10	1.15E-09	0.00E+00	1.87E-09	3.14E-10	4.60E-10	0.00E+00	7.74E-10
2173	441873.4	3768034	3.77E-09	4.59E-09	0.00E+00	8.36E-09	4.25E-09	6.67E-09	0.00E+00	1.09E-08	7.12E-10	1.14E-09	0.00E+00	1.85E-09	3.11E-10	4.56E-10	0.00E+00	7.67E-10
2174	441882	3768038	3.73E-09	4.55E-09	0.00E+00	8.29E-09	4.21E-09	6.62E-09	0.00E+00	1.08E-08	7.06E-10	1.13E-09	0.00E+00	1.83E-09	3.09E-10	4.52E-10	0.00E+00	7.61E-10
2175	441890.6	3768042	3.70E-09	4.51E-09	0.00E+00	8.21E-09	4.17E-09	6.56E-09	0.00E+00	1.07E-08	7.00E-10	1.12E-09	0.00E+00	1.82E-09	3.06E-10	4.48E-10	0.00E+00	7.54E-10
2176	441899.2	3768045	3.67E-09	4.47E-09	0.00E+00	8.14E-09	4.14E-09	6.50E-09	0.00E+00	1.06E-08	6.94E-10	1.11E-09	0.00E+00	1.80E-09	3.03E-10	4.44E-10	0.00E+00	7.48E-10
2177	441907.7	3768049	3.65E-09	4.46E-09	0.00E+00	8.11E-09	4.12E-09	6.48E-09	0.00E+00	1.06E-08	6.91E-10	1.10E-09	0.00E+00	1.80E-09	3.02E-10	4.42E-10	0.00E+00	7.45E-10
2178	441916.3	3768052	3.64E-09	4.44E-09	0.00E+00	8.08E-09	4.10E-09	6.45E-09	0.00E+00	1.06E-08	6.88E-10	1.10E-09	0.00E+00	1.79E-09	3.01E-10	4.40E-10	0.00E+00	7.41E-10
2179	441924.9	3768056	3.62E-09	4.42E-09	0.00E+00	8.04E-09	4.08E-09	6.42E-09	0.00E+00	1.05E-08	6.85E-10	1.09E-09	0.00E+00	1.78E-09	3.00E-10	4.38E-10	0.00E+00	7.38E-10
2180	441933.5	3768059	3.60E-09	4.39E-09	0.00E+00	7.98E-09	4.06E-09	6.38E-09	0.00E+00	1.04E-08	6.80E-10	1.09E-09	0.00E+00	1.77E-09	2.97E-10	4.35E-10	0.00E+00	7.33E-10
2181	441942	3768063	3.56E-09	4.34E-09	0.00E+00	7.90E-09	4.01E-09	6.31E-09	0.00E+00	1.03E-08	6.73E-10	1.08E-09	0.00E+00	1.75E-09	2.94E-10	4.31E-10	0.00E+00	7.25E-10
2182	441950.6	3768066	3.52E-09	4.30E-09	0.00E+00	7.82E-09	3.97E-09	6.25E-09	0.00E+00	1.02E-08	6.66E-10	1.06E-09	0.00E+00	1.73E-09	2.91E-10	4.27E-10	0.00E+00	7.18E-10
2183	441995.3	3768156	3.70E-09	4.51E-09	0.00E+00	8.21E-09	4.17E-09	6.55E-09	0.00E+00	1.07E-08	6.99E-10	1.12E-09	0.00E+00	1.82E-09	3.06E-10	4.48E-10	0.00E+00	7.53E-10
2184	441998.9	3768164	3.72E-09	4.54E-09	0.00E+00	8.26E-09	4.20E-09	6.60E-09	0.00E+00	1.08E-08	7.04E-10	1.12E-09	0.00E+00	1.83E-09	3.08E-10	4.51E-10	0.00E+00	7.58E-10
2185	442002.5	3768173	3.75E-09	4.57E-09	0.00E+00	8.32E-09	4.23E-09	6.64E-09	0.00E+00	1.09E-08	7.09E-10	1.13E-09	0.00E+00	1.84E-09	3.10E-10	4.54E-10	0.00E+00	7.64E-10
2186	442006.1	3768181	3.77E-09	4.60E-09	0.00E+00	8.37E-09	4.25E-09	6.69E-09	0.00E+00	1.09E-08	7.13E-10	1.14E-09	0.00E+00	1.85E-09	3.12E-10	4.57E-10	0.00E+00	7.69E-10
2187	442009.7	3768190	3.80E-09	4.63E-09	0.00E+00	8.42E-09	4.28E-09	6.73E-09	0.00E+00	1.10E-08	7.18E-10	1.15E-09	0.00E+00	1.86E-09	3.14E-10	4.59E-10	0.00E+00	7.73E-10
2188	442013.3	3768198	3.82E-09	4.66E-09	0.00E+00	8.48E-09	4.31E-09	6.77E-09	0.00E+00	1.11E-08	7.22E-10	1.15E-09	0.00E+00	1.88E-09	3.16E-10	4.62E-10	0.00E+00	7.78E-10
2189	442016.9	3768207	3.85E-09	4.69E-09	0.00E+00	8.54E-09	4.34E-09	6.82E-09	0.00E+00	1.12E-08	7.27E-10	1.16E-09	0.00E+00	1.89E-09	3.18E-10	4.66E-10	0.00E+00	7.84E-10
2190	442020.5	3768215	3.88E-09	4.73E-09	0.00E+00	8.62E-09	4.38E-09	6.88E-09	0.00E+00	1.13E-08	7.34E-10	1.17E-09	0.00E+00	1.91E-09	3.21E-10	4.70E-10	0.00E+00	7.91E-10
2191	442024.1	3768224	3.92E-09	4.78E-09	0.00E+00	8.71E-09	4.42E-09	6.95E-09	0.00E+00	1.14E-08	7.42E-10	1.19E-09	0.00E+00	1.93E-09	3.24E-10	4.75E-10	0.00E+00	7.99E-10
2192	442027.7	3768233	3.97E-09	4.84E-09	0.00E+00	8.81E-09	4.47E-09	7.03E-09	0.00E+00	1.15E-08	7.50E-10	1.20E-09	0.00E+00	1.95E-09	3.28E-10	4.80E-10	0.00E+00	8.09E-10
2193	442031.3	3768241	4.02E-09	4.90E-09	0.00E+00	8.92E-09	4.53E-09	7.12E-09	0.00E+00	1.17E-08	7.60E-10	1.21E-09	0.00E+00	1.97E-09	3.32E-10	4.86E-10	0.00E+00	8.19E-10
2194	442034.9	3768250	4.08E-09	4.97E-09	0.00E+00	9.05E-09	4.60E-09	7.23E-09	0.00E+00	1.18E-08	7.71E-10	1.23E-09	0.00E+00	2.00E-09	3.37E-10	4.93E-10	0.00E+00	8.31E-10
2195	442038.5	3768258	4.14E-09	5.05E-09	0.00E+00	9.19E-09	4.67E-09	7.34E-09	0.00E+00	1.20E-08	7.83E-10	1.25E-09	0.00E+00	2.03E-09	3.42E-10	5.01E-10	0.00E+00	8.44E-10
2196	442042.1	3768267	4.21E-09	5.13E-09	0.00E+00	9.34E-09	4.74E-09	7.46E-09	0.00E+00	1.22E-08	7.96E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.09E-10	0.00E+00	8.57E-10
2197	442045.7	3768275	4.28E-09	5.22E-09	0.00E+00	9.50E-09	4.83E-09	7.59E-09	0.00E+00	1.24E-08	8.10E-10	1.29E-09	0.00E+00	2.10E-09	3.54E-10	5.18E-10	0.00E+00	8.72E-10
2198	442049.3	3768284	4.36E-09	5.31E-09	0.00E+00	9.67E-09	4.91E-09	7.72E-09	0.00E+00	1.26E-08	8.24E-10	1.32E-09	0.00E+00	2.14E-09	3.60E-10	5.28E-10	0.00E+00	8.88E-10
2199	442052.9	3768292	4.44E-09	5.41E-09	0.00E+00	9.85E-09	5.00E-09	7.86E-09	0.00E+00	1.29E-08	8.39E-10	1.34E-09	0.00E+00	2.18E-09	3.67E-10	5.37E-10	0.00E+00	9.04E-10
2200	442056.5	3768301	4.52E-09	5.51E-09	0.00E+00	1.00E-08	5.09E-09	8.00E-09	0.00E+00	1.31E-08	8.54E-10	1.36E-09	0.00E+00	2.22E-09	3.73E-10	5.47E-10	0.00E+00	9.20E-10
2201	442060.2	3768310	4.60E-09	5.60E-09	0.00E+00	1.02E-08	5.18E-09	8.14E-09	0.00E+00	1.33E-08	8.69E-10	1.39E-09	0.00E+00	2.26E-09	3.80E-10	5.56E-10	0.00E+00	9.36E-10
2202	442063.8	3768318	4.68E-09	5.70E-09	0.00E+00	1.04E-08	5.27E-09	8.29E-09	0.00E+00	1.36E-08	8.84E-10	1.41E-09	0.00E+00	2.30E-09	3.87E-10	5.66E-10	0.00E+00	9.53E-10
2203	442067.4	3768327	4.77E-09	5.81E-09	0.00E+00	1.06E-08	5.37E-09	8.45E-09	0.00E+00	1.38E-08	9.01E-10	1.44E-09	0.00E+00	2.34E-09	3.94E-10	5.77E-10	0.00E+00	9.71E-10
2204	442071	3768335	4.85E-09	5.91E-09	0.00E+00	1.08E-08	5.47E-09	8.59E-09	0.00E+00	1.41E-08	9.17E-10	1.47E-09	0.00E+00	2.38E-09	4.01E-10	5.87E-10	0.00E+00	9.88E-10
2205	442074.6	3768344	4.93E-09	6.01E-09	0.00E+00	1.09E-08	5.56E-09	8.74E-09	0.00E+00	1.43E-08	9.33E-10	1.49E-09	0.00E+00	2.42E-09	4.08E-10	5.97E-10	0.00E+00	1.01E-09
2206	442078.2	3768352	5.02E-09	6.12E-09	0.00E+00	1.11E-08	5.66E-09	8.90E-09	0.00E+00	1.46E-08	9.50E-10	1.52E-09	0.00E+00	2.47E-09	4.15E-10	6.08E-10	0.00E+00	1.02E-09
2207	442081.8	3768361	5.12E-09	6.24E-09	0.00E+00	1.14E-08	5.77E-09	9.07E-09	0.00E+00	1.48E-08	9.68E-10	1.55E-09	0.00E+00	2.51E-09	4.23E-10	6.20E-10	0.00E+00	1.04E-09
2208	442085.4	3768369	5.22E-09	6.36E-09	0.00E+00	1.16E-08	5.88E-09	9.25E-09	0.00E+00	1.51E-08	9.86E-10	1.58E-09	0.00E+00	2.56E-09	4.31E-10	6.31E-10	0.00E+00	1.06E-09
2209	442089	3768378	5.32E-09	6.49E-09	0.00E+00	1.18E-08	6.00E-09	9.43E-09	0.00E+00	1.54E-08	1.01E-09	1.61E-09	0.00E+00	2.61E-09	4.40E-10	6.44E-10	0.00E+00	1.08E-09
2210	442092.6	3768387	5.43E-09	6.62E-09	0.00E+00	1.21E-08	6.12E-09	9.62E-09	0.00E+00	1.57E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.49E-10	6.57E-10	0.00E+00	1.11E-09
2211	442114.2	3768438	6.21E-09	7.57E-09	0.00E+00	1.38E-08	7.00E-09	1.10E-08	0.00E+00	1.80E-08	1.17E-09	1.88E-09	0.00E+00	3.05E-09	5.14E-10	7.52E-10	0.00E+00	1.27E-09
2212	442117.8	3768446	6.36E-09	7.75E-09	0.00E+00	1.41E-08	7.17E-09	1.13E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.12E-09	5.26E-10	7.70E-10	0.00E+00	1.30E-09
2213	442121.4	3768455	6.52E-09	7.95E-09	0.00E+00	1.45E-08	7.35E-09	1.16E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.39E-10	7.89E-10	0.00E+00	1.33E-09
2214	442125.1	3768464	6.69E-09	8.16E-09	0.00E+00	1.48E-08	7.54E-09	1.19E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.29E-09	5.53E-10	8.10E-10	0.00E+00	1.36E-09
2215	442146.7	3768515	7.88E-09	9.60E-09	0.00E+00	1.75E-08	8.88E-09	1.40E-08	0.00E+00	2.28E-08	1.49E-09	2.38E-09	0.00E+00	3.87E-09	6.51E-10	9.53E-10	0.00E+00	1.60E-09
2216	442150.3	3768523	8.08E-09	9.85E-09	0.00E+00	1.79E-08	9.11E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.68E-10	9.78E-10	0.00E+00	1.65E-09
2217	441496	3767878	5.05E-09	6.15E-09	0.00E+00	1.12E-08	5.69E-09	8.94E-09	0.00E+00	1.46E-08	9.54E-10	1.52E-09	0.00E+00	2.48E-09	4.17E-10	6.11E-10	0.00E+00	1.03E-09
2218	441486.6	3767878	5.11E-09	6.23E-09	0.00E+00	1.13E-08	5.76E-09	9.05E-09	0.00E+00	1.48E-08	9.66E-10	1.54E-09	0.00E+00	2.51E-09	4.22E-10	6.18E-10	0.00E+00	1.04E-09
2219	441477.2	3767878	5.17E-09	6.30E-09	0.00E+00	1.15E-08	5.83E-09	9.16E-09	0.00E+00	1.50E-08	9.77E-10	1.56E-09	0.00E+00	2.54E-09	4.27E-10	6.26E-10	0.00E+00	1.05E-09
2220	441467.9	3767878	5.23E-09	6.38E-09	0.00E+00	1.16E-08	5.90E-09	9.27E-09	0.00E+00	1.52E-08	9.89E-10	1.58E-09	0.00E+00	2.57E-09	4.33E-10	6.33E-10	0.00E+00	1.07E-09
2221	441458.5	3767878	5.30E-09	6.46E-09	0.00E+00	1.18E-08	5.97E-09	9.38E-09	0.00E+00	1.54E-08	1.00E-09	1.60E-09	0.00E+00	2.60E-09	4.38E-10	6.41E-10	0.00E+00	1.08E-09
2222	441449.1	3767878	5.36E-09	6.53E-09	0.00E+00	1.19E-08	6.04E-09	9.50E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.49E-10	0.00E+00	1.09E-09
2223	441439.7	3767878	5.42E-09	6.61E-09	0.00E+00	1.20E-08	6.11E-09	9.61E-09	0.00E+00	1.57E-08	1.03E-09	1.64E-09	0.00E+00	2.66E-09	4.48E-10	6.56E-10	0.00E+00	1.10E-09
2224	441430.3	3767878	5.49E-09	6.69E-09	0.00E+00	1.22E-08	6.19E-09	9.73E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.54E-10	6.64E-10	0.00E+00	1.12E-09
2225	441420.9	3767878	5.56E-09	6.77E-09	0.00E+00	1.23E-08	6.26E-09	9.85E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.73E-09	4.59E-10	6.72E-10	0.00E+00	1.13E-09
2226	441411.5	3767878	5.61E-09	6.84E-09	0.00E+00	1.24E-08	6.32E-09	9.94E-09	0.00E+00	1.63E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.64E-10	6.79E-10	0.00E+00	1.14E-09
2227	441504.8	3767842	4.66E-09	5.68E-09	0.00E+00	1.03E-08	5.26E-09	8.26E-09	0.00E+00	1.35E-08	8.81E-10	1.41E-09	0.00E+00	2.29E-09	3.86E-10	5.64E-10	0.00E+00	9.50E-10
2228	441513.4	3767845	4.65E-09	5.67E-09	0.00E+00	1.03E-08	5.24E-09	8.24E-09	0.00E+00	1.35E-08	8.79E-10	1.40E-09	0.00E+00	2.28E-09	3.84E-10	5.63E-10	0.00E+00	9.47E-10
2229	441522	3767849	4.63E-09	5.65E-09	0.00E+00	1.03E-08	5.22E-09	8.21E-09	0.00E+00	1.34E-08	8.76E-10	1.40E-09	0.00E+00	2.28E-09	3.83E-10	5.61E-10	0.00E+00	9.44E-10
2230	441530.6	3767852	4.62E-09	5.63E-09	0.00E+00	1.02E-08	5.21E-09	8.18E-09	0.00E+00	1.34E-08	8.73E-10	1.40E-09	0.00E+00	2.27E-09	3.82E-10	5.59E-10	0.00E+00	9.41E-10
2231	441539.3	3767856	4.60E-09	5.61E-09	0.00E+00	1.02E-08	5.18E-09	8.15E-09	0.00E+00	1.33E-08	8.69E-10	1.39E-09	0.00E+00	2.26E-09	3.80E-10	5.57E-10	0.00E+00	9.37E-10
2232	441547.9	3767860	4.58E-09	5.58E-09	0.00E+00	1.02E-08	5.16E-09	8.11E-09	0.00E+00	1.33E-08	8.65E-10	1.38E-09	0.00E+00	2.25E-09	3.79E-10	5.54E-10	0.00E+00	9.33E-10
2233	441556.5	3767863	4.56E-09	5.56E-09	0.00E+00	1.01E-08	5.14E-09	8.08E-09	0.00E+00	1.32E-08	8.62E-10	1.38E-09	0.00E+00	2.24E-09	3.77E-10	5.52E-10	0.00E+00	9.28E-10
2234	441565.1	3767867	4.54E-09	5.53E-09	0.00E+00	1.01E-08	5.11E-09	8.04E-09	0.00E+00	1.32E-08	8.58E-10	1.37E-09	0.00E+00	2.23E-09	3.75E-10	5.49E-10	0.00E+00	9.24E-10
2235	441599.6	3767881	4.45E-09	5.43E-09	0.00E+00	9.88E-09	5.02E-09	7.89E-09	0.00E+00	1.29E-08	8.42E-10	1.35E-09	0.00E+00	2.19E-09	3.68E-10	5.39E-10	0.00E+00	9.07E-10
2236	441608.2	3767885	4.44E-09	5.42E-09	0.00E+00	9.86E-09	5.01E-09	7.87E-09	0.00E+00	1.29E-08	8.40E-10	1.34E-09	0.00E+00	2.18E-09	3.67E-10	5.38E-10	0.00E+00	9.05E-10
2237	441616.8	3767888	4.43E-09	5.40E-09	0.00E+00	9.83E-09	4.99E-09	7.85E-09	0.00E+00	1.28E-08	8.38E-10	1.34E-09	0.00E+00	2.18E-09	3.66E-10	5.36E-10	0.00E+00	9.03E-10

2238	441625.4	3767892	4.42E-09	5.39E-09	0.00E+00	9.80E-09	4.98E-09	7.83E-09	0.00E+00	1.28E-08	8.35E-10	1.33E-09	0.00E+00	2.17E-09	3.65E-10	5.35E-10	0.00E+00	9.00E-10
2239	441634.1	3767895	4.40E-09	5.36E-09	0.00E+00	9.76E-09	4.96E-09	7.80E-09	0.00E+00	1.28E-08	8.32E-10	1.33E-09	0.00E+00	2.16E-09	3.64E-10	5.32E-10	0.00E+00	8.96E-10
2240	441642.7	3767899	4.38E-09	5.34E-09	0.00E+00	9.72E-09	4.94E-09	7.76E-09	0.00E+00	1.27E-08	8.28E-10	1.32E-09	0.00E+00	2.15E-09	3.62E-10	5.30E-10	0.00E+00	8.92E-10
2241	441651.3	3767902	4.36E-09	5.31E-09	0.00E+00	9.67E-09	4.91E-09	7.72E-09	0.00E+00	1.26E-08	8.24E-10	1.32E-09	0.00E+00	2.14E-09	3.60E-10	5.27E-10	0.00E+00	8.88E-10
2242	441659.9	3767906	4.34E-09	5.29E-09	0.00E+00	9.63E-09	4.89E-09	7.69E-09	0.00E+00	1.26E-08	8.20E-10	1.31E-09	0.00E+00	2.13E-09	3.59E-10	5.25E-10	0.00E+00	8.84E-10
2243	441668.5	3767910	4.30E-09	5.25E-09	0.00E+00	9.55E-09	4.85E-09	7.63E-09	0.00E+00	1.25E-08	8.14E-10	1.30E-09	0.00E+00	2.11E-09	3.56E-10	5.21E-10	0.00E+00	8.77E-10
2244	441677.1	3767913	4.27E-09	5.21E-09	0.00E+00	9.48E-09	4.81E-09	7.57E-09	0.00E+00	1.24E-08	8.07E-10	1.29E-09	0.00E+00	2.10E-09	3.53E-10	5.17E-10	0.00E+00	8.70E-10
2245	441685.8	3767917	4.24E-09	5.17E-09	0.00E+00	9.41E-09	4.78E-09	7.51E-09	0.00E+00	1.23E-08	8.01E-10	1.28E-09	0.00E+00	2.08E-09	3.50E-10	5.13E-10	0.00E+00	8.64E-10
2246	441694.4	3767920	4.21E-09	5.13E-09	0.00E+00	9.33E-09	4.74E-09	7.45E-09	0.00E+00	1.22E-08	7.95E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.09E-10	0.00E+00	8.57E-10
2247	441703	3767924	4.17E-09	5.08E-09	0.00E+00	9.24E-09	4.70E-09	7.38E-09	0.00E+00	1.21E-08	7.87E-10	1.26E-09	0.00E+00	2.05E-09	3.44E-10	5.04E-10	0.00E+00	8.48E-10
2248	441711.6	3767927	4.13E-09	5.03E-09	0.00E+00	9.15E-09	4.65E-09	7.31E-09	0.00E+00	1.20E-08	7.80E-10	1.25E-09	0.00E+00	2.03E-09	3.41E-10	4.99E-10	0.00E+00	8.40E-10
2249	441720.2	3767931	4.08E-09	4.98E-09	0.00E+00	9.06E-09	4.60E-09	7.24E-09	0.00E+00	1.18E-08	7.72E-10	1.23E-09	0.00E+00	2.01E-09	3.38E-10	4.94E-10	0.00E+00	8.32E-10
2250	441728.9	3767935	4.06E-09	4.95E-09	0.00E+00	9.01E-09	4.58E-09	7.20E-09	0.00E+00	1.18E-08	7.68E-10	1.23E-09	0.00E+00	1.99E-09	3.36E-10	4.92E-10	0.00E+00	8.27E-10
2251	441737.5	3767938	4.04E-09	4.92E-09	0.00E+00	8.96E-09	4.55E-09	7.16E-09	0.00E+00	1.17E-08	7.64E-10	1.22E-09	0.00E+00	1.98E-09	3.34E-10	4.89E-10	0.00E+00	8.23E-10
2252	441746.1	3767942	4.02E-09	4.90E-09	0.00E+00	8.92E-09	4.53E-09	7.12E-09	0.00E+00	1.16E-08	7.60E-10	1.21E-09	0.00E+00	1.97E-09	3.32E-10	4.86E-10	0.00E+00	8.19E-10
2253	441754.7	3767945	4.00E-09	4.87E-09	0.00E+00	8.87E-09	4.50E-09	7.08E-09	0.00E+00	1.16E-08	7.55E-10	1.21E-09	0.00E+00	1.96E-09	3.30E-10	4.84E-10	0.00E+00	8.14E-10
2254	441763.3	3767949	3.97E-09	4.84E-09	0.00E+00	8.81E-09	4.48E-09	7.04E-09	0.00E+00	1.15E-08	7.51E-10	1.20E-09	0.00E+00	1.95E-09	3.28E-10	4.81E-10	0.00E+00	8.09E-10
2255	441771.9	3767952	3.94E-09	4.81E-09	0.00E+00	8.75E-09	4.45E-09	6.99E-09	0.00E+00	1.14E-08	7.46E-10	1.19E-09	0.00E+00	1.94E-09	3.26E-10	4.77E-10	0.00E+00	8.04E-10
2256	441780.6	3767956	3.92E-09	4.77E-09	0.00E+00	8.69E-09	4.41E-09	6.94E-09	0.00E+00	1.14E-08	7.40E-10	1.18E-09	0.00E+00	1.92E-09	3.24E-10	4.74E-10	0.00E+00	7.98E-10
2257	441789.2	3767960	3.89E-09	4.74E-09	0.00E+00	8.63E-09	4.38E-09	6.89E-09	0.00E+00	1.13E-08	7.35E-10	1.18E-09	0.00E+00	1.91E-09	3.22E-10	4.71E-10	0.00E+00	7.92E-10
2258	441797.8	3767963	3.86E-09	4.71E-09	0.00E+00	8.57E-09	4.35E-09	6.84E-09	0.00E+00	1.12E-08	7.30E-10	1.17E-09	0.00E+00	1.90E-09	3.19E-10	4.67E-10	0.00E+00	7.87E-10
2259	441806.4	3767967	3.83E-09	4.67E-09	0.00E+00	8.51E-09	4.32E-09	6.79E-09	0.00E+00	1.11E-08	7.25E-10	1.16E-09	0.00E+00	1.88E-09	3.17E-10	4.64E-10	0.00E+00	7.81E-10
2260	441815	3767970	3.80E-09	4.63E-09	0.00E+00	8.43E-09	4.28E-09	6.73E-09	0.00E+00	1.10E-08	7.18E-10	1.15E-09	0.00E+00	1.87E-09	3.14E-10	4.60E-10	0.00E+00	7.74E-10
2261	441823.7	3767974	3.76E-09	4.58E-09	0.00E+00	8.34E-09	4.23E-09	6.66E-09	0.00E+00	1.09E-08	7.10E-10	1.13E-09	0.00E+00	1.85E-09	3.11E-10	4.55E-10	0.00E+00	7.65E-10
2262	441832.3	3767977	3.72E-09	4.53E-09	0.00E+00	8.25E-09	4.19E-09	6.58E-09	0.00E+00	1.08E-08	7.02E-10	1.12E-09	0.00E+00	1.82E-09	3.07E-10	4.50E-10	0.00E+00	7.57E-10
2263	441840.9	3767981	3.68E-09	4.48E-09	0.00E+00	8.16E-09	4.14E-09	6.51E-09	0.00E+00	1.07E-08	6.95E-10	1.11E-09	0.00E+00	1.81E-09	3.04E-10	4.45E-10	0.00E+00	7.49E-10
2264	441849.5	3767985	3.63E-09	4.43E-09	0.00E+00	8.06E-09	4.09E-09	6.43E-09	0.00E+00	1.05E-08	6.86E-10	1.10E-09	0.00E+00	1.78E-09	3.00E-10	4.39E-10	0.00E+00	7.40E-10
2265	441858.1	3767988	3.59E-09	4.37E-09	0.00E+00	7.96E-09	4.04E-09	6.35E-09	0.00E+00	1.04E-08	6.78E-10	1.08E-09	0.00E+00	1.76E-09	2.96E-10	4.34E-10	0.00E+00	7.30E-10
2266	441866.7	3767992	3.54E-09	4.31E-09	0.00E+00	7.85E-09	3.99E-09	6.27E-09	0.00E+00	1.03E-08	6.69E-10	1.07E-09	0.00E+00	1.74E-09	2.93E-10	4.28E-10	0.00E+00	7.21E-10
2267	441875.4	3767995	3.50E-09	4.26E-09	0.00E+00	7.76E-09	3.94E-09	6.20E-09	0.00E+00	1.01E-08	6.61E-10	1.06E-09	0.00E+00	1.72E-09	2.89E-10	4.23E-10	0.00E+00	7.12E-10
2268	441884	3767999	3.46E-09	4.22E-09	0.00E+00	7.67E-09	3.90E-09	6.13E-09	0.00E+00	1.00E-08	6.54E-10	1.04E-09	0.00E+00	1.70E-09	2.86E-10	4.19E-10	0.00E+00	7.04E-10
2269	441892.6	3768002	3.43E-09	4.18E-09	0.00E+00	7.60E-09	3.86E-09	6.07E-09	0.00E+00	9.93E-09	6.48E-10	1.03E-09	0.00E+00	1.68E-09	2.83E-10	4.15E-10	0.00E+00	6.98E-10
2270	441901.2	3768006	3.40E-09	4.14E-09	0.00E+00	7.54E-09	3.83E-09	6.02E-09	0.00E+00	9.85E-09	6.42E-10	1.03E-09	0.00E+00	1.67E-09	2.81E-10	4.11E-10	0.00E+00	6.92E-10
2271	441909.8	3768010	3.38E-09	4.12E-09	0.00E+00	7.50E-09	3.81E-09	5.99E-09	0.00E+00	9.79E-09	6.39E-10	1.02E-09	0.00E+00	1.66E-09	2.79E-10	4.09E-10	0.00E+00	6.88E-10
2272	441918.5	3768013	3.36E-09	4.10E-09	0.00E+00	7.46E-09	3.79E-09	5.96E-09	0.00E+00	9.75E-09	6.36E-10	1.02E-09	0.00E+00	1.65E-09	2.78E-10	4.07E-10	0.00E+00	6.85E-10
2273	441927.1	3768017	3.35E-09	4.09E-09	0.00E+00	7.44E-09	3.78E-09	5.94E-09	0.00E+00	9.72E-09	6.33E-10	1.01E-09	0.00E+00	1.65E-09	2.77E-10	4.06E-10	0.00E+00	6.83E-10
2274	441935.7	3768020	3.33E-09	4.06E-09	0.00E+00	7.40E-09	3.76E-09	5.91E-09	0.00E+00	9.66E-09	6.30E-10	1.01E-09	0.00E+00	1.64E-09	2.76E-10	4.03E-10	0.00E+00	6.79E-10
2275	441944.3	3768024	3.31E-09	4.03E-09	0.00E+00	7.34E-09	3.73E-09	5.86E-09	0.00E+00	9.59E-09	6.25E-10	9.99E-10	0.00E+00	1.62E-09	2.73E-10	4.00E-10	0.00E+00	6.74E-10
2276	441952.9	3768027	3.28E-09	3.99E-09	0.00E+00	7.27E-09	3.69E-09	5.81E-09	0.00E+00	9.50E-09	6.20E-10	9.90E-10	0.00E+00	1.61E-09	2.71E-10	3.97E-10	0.00E+00	6.68E-10
2277	442012.8	3768102	3.34E-09	4.07E-09	0.00E+00	7.41E-09	3.76E-09	5.92E-09	0.00E+00	9.68E-09	6.31E-10	1.01E-09	0.00E+00	1.64E-09	2.76E-10	4.04E-10	0.00E+00	6.80E-10
2278	442016.4	3768110	3.36E-09	4.10E-09	0.00E+00	7.46E-09	3.79E-09	5.95E-09	0.00E+00	9.74E-09	6.35E-10	1.02E-09	0.00E+00	1.65E-09	2.78E-10	4.07E-10	0.00E+00	6.84E-10
2279	442020	3768119	3.38E-09	4.12E-09	0.00E+00	7.50E-09	3.81E-09	5.99E-09	0.00E+00	9.80E-09	6.39E-10	1.02E-09	0.00E+00	1.66E-09	2.80E-10	4.09E-10	0.00E+00	6.89E-10
2280	442023.6	3768128	3.40E-09	4.14E-09	0.00E+00	7.54E-09	3.83E-09	6.02E-09	0.00E+00	9.86E-09	6.43E-10	1.03E-09	0.00E+00	1.67E-09	2.81E-10	4.11E-10	0.00E+00	6.92E-10
2281	442027.2	3768136	3.42E-09	4.17E-09	0.00E+00	7.59E-09	3.85E-09	6.06E-09	0.00E+00	9.91E-09	6.46E-10	1.03E-09	0.00E+00	1.68E-09	2.83E-10	4.14E-10	0.00E+00	6.96E-10
2282	442030.9	3768145	3.44E-09	4.19E-09	0.00E+00	7.63E-09	3.88E-09	6.09E-09	0.00E+00	9.97E-09	6.50E-10	1.04E-09	0.00E+00	1.69E-09	2.84E-10	4.16E-10	0.00E+00	7.01E-10
2283	442034.5	3768153	3.46E-09	4.22E-09	0.00E+00	7.68E-09	3.90E-09	6.13E-09	0.00E+00	1.00E-08	6.54E-10	1.05E-09	0.00E+00	1.70E-09	2.86E-10	4.19E-10	0.00E+00	7.05E-10
2284	442038.1	3768162	3.48E-09	4.24E-09	0.00E+00	7.72E-09	3.92E-09	6.17E-09	0.00E+00	1.01E-08	6.58E-10	1.05E-09	0.00E+00	1.71E-09	2.88E-10	4.21E-10	0.00E+00	7.09E-10
2285	442041.7	3768171	3.50E-09	4.27E-09	0.00E+00	7.78E-09	3.95E-09	6.21E-09	0.00E+00	1.02E-08	6.62E-10	1.06E-09	0.00E+00	1.72E-09	2.90E-10	4.24E-10	0.00E+00	7.14E-10
2286	442045.4	3768179	3.53E-09	4.30E-09	0.00E+00	7.83E-09	3.98E-09	6.26E-09	0.00E+00	1.02E-08	6.67E-10	1.07E-09	0.00E+00	1.73E-09	2.92E-10	4.27E-10	0.00E+00	7.19E-10
2287	442049	3768188	3.56E-09	4.34E-09	0.00E+00	7.90E-09	4.01E-09	6.31E-09	0.00E+00	1.03E-08	6.73E-10	1.08E-09	0.00E+00	1.75E-09	2.94E-10	4.31E-10	0.00E+00	7.25E-10
2288	442052.6	3768196	3.59E-09	4.38E-09	0.00E+00	7.97E-09	4.05E-09	6.37E-09	0.00E+00	1.04E-08	6.79E-10	1.09E-09	0.00E+00	1.76E-09	2.97E-10	4.35E-10	0.00E+00	7.32E-10
2289	442056.2	3768205	3.63E-09	4.42E-09	0.00E+00	8.05E-09	4.09E-09	6.43E-09	0.00E+00	1.05E-08	6.86E-10	1.10E-09	0.00E+00	1.78E-09	3.00E-10	4.39E-10	0.00E+00	7.39E-10
2290	442059.9	3768214	3.67E-09	4.48E-09	0.00E+00	8.15E-09	4.14E-09	6.51E-09	0.00E+00	1.06E-08	6.94E-10	1.11E-09	0.00E+00	1.80E-09	3.04E-10	4.44E-10	0.00E+00	7.48E-10
2291	442063.5	3768222	3.72E-09	4.53E-09	0.00E+00	8.25E-09	4.19E-09	6.59E-09	0.00E+00	1.08E-08	7.03E-10	1.12E-09	0.00E+00	1.83E-09	3.07E-10	4.50E-10	0.00E+00	7.58E-10
2292	442067.1	3768231	3.77E-09	4.59E-09	0.00E+00	8.36E-09	4.25E-09	6.68E-09	0.00E+00	1.09E-08	7.12E-10	1.14E-09	0.00E+00	1.85E-09	3.12E-10	4.56E-10	0.00E+00	7.68E-10
2293	442070.7	3768239	3.82E-09	4.66E-09	0.00E+00	8.48E-09	4.31E-09	6.77E-09	0.00E+00	1.11E-08	7.22E-10	1.15E-09	0.00E+00	1.88E-09	3.16E-10	4.62E-10	0.00E+00	7.78E-10
2294	442074.3	3768248	3.88E-09	4.73E-09	0.00E+00	8.62E-09	4.38E-09	6.88E-09	0.00E+00	1.13E-08	7.34E-10	1.17E-09	0.00E+00	1.91E-09	3.21E-10	4.70E-10	0.00E+00	7.91E-10
2295	442078	3768257	3.95E-09	4.82E-09	0.00E+00	8.76E-09	4.45E-09	7.00E-09	0.00E+00	1.15E-08	7.47E-10	1.19E-09	0.00E+00	1.94E-09	3.27E-10	4.78E-10	0.00E+00	8.05E-10
2296	442081.6	3768265	4.02E-09	4.90E-09	0.00E+00	8.92E-09	4.53E-09	7.12E-09	0.00E+00	1.17E-08	7.60E-10	1.21E-09	0.00E+00	1.97E-09	3.32E-10	4.86E-10	0.00E+00	8.19E-10
2297	442085.2	3768274	4.08E-09	4.98E-09	0.00E+00	9.06E-09	4.60E-09	7.24E-09	0.00E+00	1.18E-08	7.72E-10	1.23E-09	0.00E+00	2.01E-09	3.38E-10	4.94E-10	0.00E+00	8.32E-10
2298	442088.8	3768282	4.15E-09	5.05E-09	0.00E+00	9.20E-09	4.67E-09	7.35E-09	0.00E+00	1.20E-08	7.84E-10	1.25E-09	0.00E+00	2.04E-09	3.43E-10	5.02E-10	0.00E+00	8.44E-10
2299	442092.5	3768291	4.21E-09	5.13E-09	0.00E+00	9.34E-09	4.74E-09	7.46E-09	0.00E+00	1.22E-08	7.96E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.09E-10	0.00E+00	8.57E-10
2300	442096.1	3768300	4.27E-09	5.21E-09	0.00E+00	9.48E-09	4.82E-09	7.57E-09	0.00E+00	1.24E-08	8.08E-10	1.29E-09	0.00E+00	2.10E-09	3.53E-10	5.17E-10	0.00E+00	8.71E-10
2301	442099.7	3768308	4.35E-09	5.30E-09	0.00E+00	9.65E-09	4.90E-09	7.70E-09	0.00E+00	1.26E-08	8.22E-10	1.31E-09	0.00E+00	2.14E-09	3.59E-10	5.26E-10	0.00E+00	8.86E-10
2302	442103.3	3768317	4.43E-09	5.40E-09	0.00E+00	9.82E-09	4.99E-09	7.84E-09	0.00E+00	1.28E-08	8.37E-10	1.34E-09	0.00E+00	2.17E-09	3.66E-10	5.36E-10	0.00E+00	9.02E-10
2303	442106.9	3768325	4.51E-09	5.50E-09	0.00E+00	1.00E-08	5.08E-09	7.99E-09	0.00E+00	1.31E-08	8.53E-10	1.36E-09	0.00E+00	2.22E-09	3.73E-10	5.46E-10	0.00E+00	9.19E-10
2304	442110.6	3768334	4.59E-09	5.60E-09	0.00E+00	1.02E-08	5.18E-09	8.14E-09	0.00E+00	1.33E-08	8.68E-10	1.39E-09	0.00E+00	2.26E-09	3.80E-10	5.56E-10	0.00E+00	9.36E-10
2305	442114.2	3768343	4.67E-09	5.70E-09	0.00E+00	1.04E-08	5.27E-09	8.28E-09	0.00E+00	1.36E-08	8.84E-10	1.41E-09	0.00E+00	2.30E-09	3.86E-10	5.66E-10	0.00E+00	9.52E-10
2306	442117.8	3768351	4.76E-09	5.81E-09	0.00E+00	1.06E-08	5.37E-09	8.44E-09	0.00E+00	1.38E-08	9.00E-10	1.44E-09	0.00E+00	2.34E-09	3.94E-10	5.76E-10	0.00E+00	9.70E-10
2307	442121.4	3768360	4.86E-09	5.92E-09	0.00E+00	1.08E-08	5.47E-09	8.60E-09	0.00E+00	1.41E-08	9.18E-10	1.47E-09	0.00E+00	2.38E-09	4.01E-10	5.88E-10	0.00E+00	9.89E-10
2308	442125.1	3768368	4.95E-09	6.03E-09	0.00E+00	1.10E-08	5.58E-09	8.77E-09	0.00E+00	1.43E-08	9.35E-10	1.49E-09	0.00E+00	2.43E-09	4.09E-10	5.99E-10	0.00E+00	1.01E-09
2309	442128.7	3768377	5.04E-09	6.15E-09	0.00E+00	1.12E-08	5.68E-09	8.93E-09	0.00E+00	1.46E-08	9.53E-10	1.52E-09	0.00E+00	2.48E-09	4.17E-10	6.10E-10	0.00E+00	1.03E-09
2310	442132.3	3768386	5.14E-09	6.27E-09	0.00E+00	1.14E-08	5.80E-09	9.11E-09	0.00E+00	1.49E-08	9.72E-10	1.55E-09	0.00E+00	2.53E-09	4.25E-10	6.22E-10	0.00E+00	1.05E-09
2311	442150.4	3768428	5.70E-09	6.95E-09	0.00E+00	1.26E-08	6.43E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.71E-10	6.90E-10	0.00E+00	1.16E-09
2312	442154	3768437	5.83E-09	7.11E-09	0.00E+00	1.29E-08	6.57E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.82E-10	7.05E-10	0.00E+00	1.19E-09
2313	442157.7	3768446	5.96E-09	7.27E-09	0.00E+00	1.32E-08	6.72E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.93E-09	4.93E-10	7.22E-10	0.00E+00	1.21E-09
2314	442161.3	3768454	6.11E-09	7.45E-09	0.00E+00	1.36E-08	6.89E-09	1.08E-08	0.00E+00	1.77E-08	1.16E-09	1.85E-09	0.00E+00	3.00E-09	5.05E-10	7.40E-10	0.00E+00	1.24E-09
2315	442183	3768506	7.13E-09	8.70E-09	0.00E+00	1.58E-08	8.04E-09	1.26E-08	0.00E+00	2.07E-08	1.35E-09	2.15E-09	0.00E+00	3.50E-09	5.90E-10	8.63E-10	0.00E+00	1.45E-09
2316	442186.6	3768514	7.31E-09	8.91E-09	0.00E+00	1.62E-08	8.24E-09	1.30E-08	0.00E+00	2.12E-08	1.38E-09	2.21E-09	0.00E+00	3.59E-09	6.05E-10	8.85E-10	0.00E+00	1.49E-09
2317	442190.3	3768523	7.49E-09	9.14E-09	0.00E+00	1.66E-08	8.45E-09	1.33E-08	0.00E+00	2.17E-08	1.42E-09	2.26E-09	0.00E+00	3.68E-09	6.20E-10	9.07E-10	0.00E+00	1.53E-09
2318	441496.2	3767838	4.67E-09	5.70E-09	0.00E+00	1.04E-08	5.27E-09	8.28E-09	0.00E+00	1.36E-08	8.84E-10	1.41E-09	0.00E+00	2.30E-09	3.87E-10	5.66E-10	0.00E+00	9.52E-10
2319	441486.8	3767838	4.72E-09	5.75E-09	0.00E+00	1.05E-08	5.32E-09	8.36E-09	0.00E+00	1.37E-08	8.92E-10	1.43E-09	0.00E+00	2.32E-09	3.90E-10	5.71E-10	0.00E+00	9.61E-10
2320	441477.4	3767838	4.76E-09	5.81E-09	0.00E+00	1.06E-08	5.37E-09	8.44E-09	0.00E+00	1.38E-08	9.01E-10	1.44E-09	0.00E+00	2.34E-09	3.94E-10	5.77E-10	0.00E+00	9.71E-10
2321	441468	3767838	4.82E-09	5.87E-09	0.00E+00	1.07E-08	5.43E-09	8.53E-09	0.00E+00	1.40E-08	9.11E-10	1.46E-09	0.00E+00	2.37E-09	3.98E-10	5.83E-10	0.00E+00	9.81E-10
2322	441458.6	3767838	4.87E-09	5.94E-09	0.00E+00	1.08E-08	5.49E-09	8.63E-09	0.00E+00	1.41E-08	9.21E-10	1.47E-09	0.00E+00	2.39E-09	4.03E-10	5.89E-10	0.00E+00	9.92E-10
2323	441449.2	3767838	4.92E-09	6.00E-09	0.00E+00	1.09E-08	5.55E-09	8.72E-09	0.00E+00	1.43E-08	9.31E-10	1.49E-09	0.00E+00	2.42E-09	4.07E-10	5.96E-10	0.00E+00	1.00E-09
2324	441439.8	3767838	4.98E-09	6.07E-09	0.00E+00	1.10E-08	5.61E-09	8.82E-09	0.00E+00	1.44E-08	9.41E-10	1.50E-09	0.00E+00	2.45E-09	4.12E-10	6.03E-10	0.00E+00	1.01E-09
2325	441430.4	3767838	5.04E-09	6.14E-09	0.00E+00	1.12E-08	5.68E-09	8.93E-09	0.00E+00	1.46E-08	9.52E-10	1.52E-09	0.00E+00	2.47E-09	4.17E-10	6.10E-10	0.00E+00	1.03E-09
2326	441421	3767838	5.09E-09	6.21E-09	0.00E+00	1.13E-08	5.74E-09	9.03E-09	0.00E+00	1.48E-08	9.63E-10	1.54E-09	0.00E+00	2.50E-09	4.21E-10	6.17E-10	0.00E+00	1.04E-09
2327	441411.6	3767838	5.15E-09	6.27E-09	0.00E+00	1.14E-08	5.80E-09	9.12E-09	0.00E+00	1.49E-08	9.73E-10	1.55E-09	0.00E+00	2.53E-09	4.25E-10	6.23E-10	0.00E+00	1.05E-09
2328	441504.9	3767802	4.35E-09	5.30E-09	0.00E+00	9.65E-09	4.90E-09	7.71E-09	0.00E+00	1.26E-08	8.22E-10	1.31E-09	0.00E+00	2.14E-09	3.60E-10	5.26E-10	0.00E+00	8.86E-10
2329	441513.6	3767805	4.34E-09	5.29E-09	0.00E+00	9.63E-09	4.89E-09	7.69E-09	0.00E+00	1.26E-08	8.20E-10	1.31E-09	0.00E+00	2.13E-09	3.59E-10	5.25E-10	0.00E+00	8.84E-10
2330	441522.3	3767809	4.32E-09	5.27E-09	0.00E+00	9.59E-09	4.87E-09	7.66E-09	0.00E+00	1.25E-08	8.17E-10	1.31E-09	0.00E+00	2.12E-09	3.57E-10	5.23E-10	0.00E+00	8.81E-10
2331	441530.9	3767812	4.31E-09	5.25E-09	0.00E+00	9.56E-09	4.85E-09	7.63E-09	0.00E+00	1.25E-08	8.14E-10	1.30E-09	0.00E+00	2.12E-09	3.56E-10	5.21E-10	0.00E+00	8.77E-10
2332	441539.6	3767816	4.29E-09	5.23E-09	0.00E+00	9.52E-09	4.84E-09	7.60E-09	0.00E+00	1.24E-08	8.11E-10	1.30E-09	0.00E+00	2.11E-09	3.55E-10	5.19E-10	0.00E+00	8.74E-10
2333	441548.2	3767820	4.27E-09	5.21E-09	0.00E+00	9.48E-09	4.82E-09	7.57E-09	0.00E+00	1.24E-08	8.08E-10	1.29E-09	0.00E+00	2.10E-09	3.53E-10	5.17E-10	0.00E+00	8.71E-10
2334	441556.9	3767823	4.26E-09	5.19E-09	0.00E+00	9.45E-09	4.80E-09	7.54E-09	0.00E+00	1.23E-08	8.05E-10	1.29E-09	0.00E+00	2.09E-09	3.52E-10	5.15E-10	0.00E+00	8.67E-10
2335	441565.5	3767827	4.24E-09	5.17E-09	0.00E+00	9.41E-09	4.78E-09	7.51E-09	0.00E+00	1.23E-08	8.01E-10	1.28E-09	0.00E+00	2.08E-09	3.51E-10	5.13E-10	0.00E+00	8.64E-10
2336	441591.5	3767838	4.18E-09	5.09E-09	0.00E+00	9.27E-09	4.71E-09	7.40E-09	0.00E+00	1.21E-08	7.90E-10	1.26E-09	0.00E+00	2.05E-09	3.45E-10	5.06E-10	0.00E+00	8.51E-10
2337	441600.2	3767841	4.16E-09	5.07E-09	0.00E+00	9.23E-09	4.69E-09	7.37E-09	0.00E+00	1.21E-08	7.87E-10	1.26E-09	0.00E+00	2.04E-09	3.44E-10	5.04E-10	0.00E+00	8.48E-10
2338	441608.8	3767845	4.15E-09	5.06E-09	0.00E+00	9.21E-09	4.68E-09	7.35E-09	0.00E+00	1.20E-08	7.84E-10	1.25E-09	0.00E+00	2.04E-09	3.43E-10	5.02E-10	0.00E+00	8.45E-10
2339	441617.5	3767848	4.14E-09	5.04E-09	0.00E+00	9.18E-09	4.66E-09	7.33E-09	0.00E+00	1.20E-08	7.82E-10	1.25E-09	0.00E+00	2.03E-09	3.42E-10	5.01E-10	0.00E+00	8.43E-10
2340	441626.1	3767852	4.12E-09	5.03E-09	0.00E+00	9.15E-09	4.65E-09	7.31E-09	0.00E+00	1.20E-08	7.79E-10	1.25E-09	0.00E+00	2.03E-09	3.41E-10	4.99E-10	0.00E+00	8.40E-10
2341	441634.8	3767856	4.11E-09	5.01E-09	0.00E+00	9.12E-09	4.63E-09	7.28E-09	0.00E+00	1.19E-08	7.77E-10	1.24E-09	0.00E+00	2.02E-09	3.40E-10	4.97E-10	0.00E+00	8.37E-10
2342	441643.4	3767859	4.09E-09	4.99E-09	0.00E+00	9.08E-09	4.61E-09	7.25E-09	0.00E+00	1.19E-08	7.74E-10	1.24E-09	0.00E+00	2.01E-09	3.38E-10	4.95E-10	0.00E+00	8.34E-10
2343	441652.1	3767863	4.08E-09	4.97E-09	0.00E+00	9.05E-09	4.60E-09	7.23E-09	0.00E+00	1.18E-08	7.71E-10	1.23E-09	0.00E+00	2.00E-09	3.37E-10	4.93E-10	0.00E+00	8.31E-10
2344	441660.7	3767866	4.06E-09	4.95E-09	0.00E+00	9.01E-09	4.58E-09	7.20E-09	0.00E+00	1.18E-08	7.68E-10	1.23E-09	0.00E+00	1.99E-09	3.36E-10	4.92E-10	0.00E+00	8.27E-10
2345	441669.4	3767870	4.04E-09	4.92E-09	0.00E+00	8.96E-09	4.55E-09	7.15E-09	0.00E+00	1.17E-08	7.63E-10	1.22E-09	0.00E+00	1.98E-09	3.34E-10	4.89E-10	0.00E+00	8.22E-10
2346	441678	3767873	4.01E-09	4.89E-09	0.00E+00	8.90E-09	4.52E-09	7.11E-09	0.00E+00	1.16E-08	7.58E-10	1.21E-09	0.00E+00	1.97E-09	3.32E-10	4.85E-10	0.00E+00	8.17E-10
2347	441686.7	3767877	3.98E-09	4.85E-09	0.00E+00	8.84E-09	4.49E-09	7.06E-09	0.00E+00	1.15E-08	7.53E-10	1.20E-09	0.00E+00	1.96E-09	3.29E-10	4.82E-10	0.00E+00	8.11E-10
2348	441695.4	3767881	3.95E-09	4.81E-09	0.00E+00	8.76E-09	4.45E-09	7.00E-09	0.00E+00	1.14E-08	7.46E-10	1.19E-09	0.00E+00	1.94E-09	3.26E-10	4.78E-10	0.00E+00	8.04E-10
2349	441704	3767884	3.91E-09	4.77E-09	0.00E+00	8.68E-09	4.41E-09	6.93E-09	0.00E+00	1.13E-08	7.39E-10	1.18E-09	0.00E+00	1.92E-09	3.23E-10	4.73E-10	0.00E+00	7.96E-10

2350	441712.7	3767888	3.87E-09	4.72E-09	0.00E+00	8.59E-09	4.36E-09	6.86E-09	0.00E+00	1.12E-08	7.32E-10	1.17E-09	0.00E+00	1.90E-09	3.20E-10	4.68E-10	0.00E+00	7.88E-10
2351	441721.3	3767891	3.83E-09	4.67E-09	0.00E+00	8.50E-09	4.32E-09	6.79E-09	0.00E+00	1.11E-08	7.24E-10	1.16E-09	0.00E+00	1.88E-09	3.17E-10	4.64E-10	0.00E+00	7.80E-10
2352	441730	3767895	3.80E-09	4.63E-09	0.00E+00	8.43E-09	4.28E-09	6.73E-09	0.00E+00	1.10E-08	7.18E-10	1.15E-09	0.00E+00	1.87E-09	3.14E-10	4.60E-10	0.00E+00	7.74E-10
2353	441738.6	3767899	3.77E-09	4.59E-09	0.00E+00	8.36E-09	4.25E-09	6.68E-09	0.00E+00	1.09E-08	7.12E-10	1.14E-09	0.00E+00	1.85E-09	3.12E-10	4.56E-10	0.00E+00	7.67E-10
2354	441747.3	3767902	3.74E-09	4.56E-09	0.00E+00	8.29E-09	4.21E-09	6.62E-09	0.00E+00	1.08E-08	7.06E-10	1.13E-09	0.00E+00	1.84E-09	3.09E-10	4.52E-10	0.00E+00	7.61E-10
2355	441755.9	3767906	3.71E-09	4.53E-09	0.00E+00	8.24E-09	4.18E-09	6.58E-09	0.00E+00	1.08E-08	7.02E-10	1.12E-09	0.00E+00	1.82E-09	3.07E-10	4.49E-10	0.00E+00	7.56E-10
2356	441764.6	3767909	3.69E-09	4.50E-09	0.00E+00	8.19E-09	4.16E-09	6.54E-09	0.00E+00	1.07E-08	6.97E-10	1.11E-09	0.00E+00	1.81E-09	3.05E-10	4.46E-10	0.00E+00	7.51E-10
2357	441773.3	3767913	3.67E-09	4.47E-09	0.00E+00	8.14E-09	4.14E-09	6.50E-09	0.00E+00	1.06E-08	6.94E-10	1.11E-09	0.00E+00	1.80E-09	3.03E-10	4.44E-10	0.00E+00	7.47E-10
2358	441781.9	3767916	3.65E-09	4.45E-09	0.00E+00	8.10E-09	4.11E-09	6.47E-09	0.00E+00	1.06E-08	6.90E-10	1.10E-09	0.00E+00	1.79E-09	3.02E-10	4.42E-10	0.00E+00	7.44E-10
2359	441790.6	3767920	3.63E-09	4.43E-09	0.00E+00	8.06E-09	4.09E-09	6.43E-09	0.00E+00	1.05E-08	6.86E-10	1.10E-09	0.00E+00	1.78E-09	3.00E-10	4.39E-10	0.00E+00	7.39E-10
2360	441799.2	3767924	3.61E-09	4.40E-09	0.00E+00	8.01E-09	4.07E-09	6.40E-09	0.00E+00	1.05E-08	6.82E-10	1.09E-09	0.00E+00	1.77E-09	2.98E-10	4.37E-10	0.00E+00	7.35E-10
2361	441807.9	3767927	3.59E-09	4.37E-09	0.00E+00	7.96E-09	4.04E-09	6.36E-09	0.00E+00	1.04E-08	6.78E-10	1.08E-09	0.00E+00	1.76E-09	2.97E-10	4.34E-10	0.00E+00	7.31E-10
2362	441816.5	3767931	3.56E-09	4.34E-09	0.00E+00	7.90E-09	4.01E-09	6.31E-09	0.00E+00	1.03E-08	6.73E-10	1.08E-09	0.00E+00	1.75E-09	2.94E-10	4.31E-10	0.00E+00	7.25E-10
2363	441825.2	3767934	3.53E-09	4.30E-09	0.00E+00	7.83E-09	3.98E-09	6.25E-09	0.00E+00	1.02E-08	6.67E-10	1.07E-09	0.00E+00	1.73E-09	2.92E-10	4.27E-10	0.00E+00	7.19E-10
2364	441833.8	3767938	3.49E-09	4.26E-09	0.00E+00	7.75E-09	3.94E-09	6.19E-09	0.00E+00	1.01E-08	6.60E-10	1.06E-09	0.00E+00	1.72E-09	2.89E-10	4.23E-10	0.00E+00	7.12E-10
2365	441842.5	3767942	3.46E-09	4.21E-09	0.00E+00	7.67E-09	3.90E-09	6.12E-09	0.00E+00	1.00E-08	6.53E-10	1.04E-09	0.00E+00	1.70E-09	2.86E-10	4.18E-10	0.00E+00	7.04E-10
2366	441851.1	3767945	3.42E-09	4.17E-09	0.00E+00	7.60E-09	3.86E-09	6.07E-09	0.00E+00	9.93E-09	6.47E-10	1.03E-09	0.00E+00	1.68E-09	2.83E-10	4.14E-10	0.00E+00	6.97E-10
2367	441859.8	3767949	3.39E-09	4.13E-09	0.00E+00	7.52E-09	3.82E-09	6.01E-09	0.00E+00	9.83E-09	6.41E-10	1.02E-09	0.00E+00	1.66E-09	2.80E-10	4.10E-10	0.00E+00	6.91E-10
2368	441868.5	3767952	3.35E-09	4.09E-09	0.00E+00	7.44E-09	3.78E-09	5.94E-09	0.00E+00	9.73E-09	6.34E-10	1.01E-09	0.00E+00	1.65E-09	2.77E-10	4.06E-10	0.00E+00	6.83E-10
2369	441877.1	3767956	3.32E-09	4.05E-09	0.00E+00	7.37E-09	3.74E-09	5.89E-09	0.00E+00	9.63E-09	6.28E-10	1.00E-09	0.00E+00	1.63E-09	2.75E-10	4.02E-10	0.00E+00	6.77E-10
2370	441885.8	3767960	3.29E-09	4.01E-09	0.00E+00	7.30E-09	3.71E-09	5.83E-09	0.00E+00	9.54E-09	6.22E-10	9.94E-10	0.00E+00	1.62E-09	2.72E-10	3.98E-10	0.00E+00	6.70E-10
2371	441894.4	3767963	3.26E-09	3.97E-09	0.00E+00	7.22E-09	3.67E-09	5.77E-09	0.00E+00	9.44E-09	6.15E-10	9.83E-10	0.00E+00	1.60E-09	2.69E-10	3.94E-10	0.00E+00	6.63E-10
2372	441903.1	3767967	3.22E-09	3.93E-09	0.00E+00	7.15E-09	3.63E-09	5.71E-09	0.00E+00	9.35E-09	6.09E-10	9.74E-10	0.00E+00	1.58E-09	2.67E-10	3.90E-10	0.00E+00	6.57E-10
2373	441911.7	3767970	3.20E-09	3.90E-09	0.00E+00	7.10E-09	3.61E-09	5.67E-09	0.00E+00	9.27E-09	6.05E-10	9.66E-10	0.00E+00	1.57E-09	2.64E-10	3.87E-10	0.00E+00	6.52E-10
2374	441920.4	3767974	3.17E-09	3.87E-09	0.00E+00	7.04E-09	3.58E-09	5.62E-09	0.00E+00	9.20E-09	6.00E-10	9.59E-10	0.00E+00	1.56E-09	2.62E-10	3.84E-10	0.00E+00	6.46E-10
2375	441929	3767977	3.15E-09	3.84E-09	0.00E+00	6.98E-09	3.55E-09	5.58E-09	0.00E+00	9.12E-09	5.95E-10	9.51E-10	0.00E+00	1.55E-09	2.60E-10	3.81E-10	0.00E+00	6.41E-10
2376	441937.7	3767981	3.12E-09	3.80E-09	0.00E+00	6.92E-09	3.52E-09	5.53E-09	0.00E+00	9.05E-09	5.90E-10	9.43E-10	0.00E+00	1.53E-09	2.58E-10	3.78E-10	0.00E+00	6.36E-10
2377	441946.4	3767985	3.10E-09	3.77E-09	0.00E+00	6.87E-09	3.49E-09	5.49E-09	0.00E+00	8.98E-09	5.85E-10	9.35E-10	0.00E+00	1.52E-09	2.56E-10	3.75E-10	0.00E+00	6.31E-10
2378	441955	3767988	3.07E-09	3.75E-09	0.00E+00	6.82E-09	3.47E-09	5.45E-09	0.00E+00	8.91E-09	5.81E-10	9.29E-10	0.00E+00	1.51E-09	2.54E-10	3.72E-10	0.00E+00	6.26E-10
2379	441998.3	3768006	2.97E-09	3.62E-09	0.00E+00	6.58E-09	3.34E-09	5.26E-09	0.00E+00	8.60E-09	5.61E-10	8.96E-10	0.00E+00	1.46E-09	2.45E-10	3.59E-10	0.00E+00	6.04E-10
2380	442006.9	3768010	2.94E-09	3.59E-09	0.00E+00	6.53E-09	3.32E-09	5.21E-09	0.00E+00	8.53E-09	5.56E-10	8.89E-10	0.00E+00	1.45E-09	2.43E-10	3.56E-10	0.00E+00	5.99E-10
2381	442019.2	3768022	2.94E-09	3.58E-09	0.00E+00	6.52E-09	3.31E-09	5.21E-09	0.00E+00	8.52E-09	5.55E-10	8.88E-10	0.00E+00	1.44E-09	2.43E-10	3.56E-10	0.00E+00	5.99E-10
2382	442022.9	3768031	2.96E-09	3.61E-09	0.00E+00	6.56E-09	3.33E-09	5.24E-09	0.00E+00	8.58E-09	5.59E-10	8.94E-10	0.00E+00	1.45E-09	2.45E-10	3.58E-10	0.00E+00	6.03E-10
2383	442026.5	3768039	2.98E-09	3.63E-09	0.00E+00	6.61E-09	3.36E-09	5.28E-09	0.00E+00	8.64E-09	5.63E-10	9.00E-10	0.00E+00	1.46E-09	2.46E-10	3.61E-10	0.00E+00	6.07E-10
2384	442030.1	3768048	3.00E-09	3.66E-09	0.00E+00	6.66E-09	3.38E-09	5.32E-09	0.00E+00	8.70E-09	5.67E-10	9.07E-10	0.00E+00	1.47E-09	2.48E-10	3.63E-10	0.00E+00	6.11E-10
2385	442033.8	3768056	3.02E-09	3.68E-09	0.00E+00	6.70E-09	3.40E-09	5.35E-09	0.00E+00	8.76E-09	5.71E-10	9.13E-10	0.00E+00	1.48E-09	2.50E-10	3.66E-10	0.00E+00	6.15E-10
2386	442037.4	3768065	3.04E-09	3.71E-09	0.00E+00	6.75E-09	3.43E-09	5.39E-09	0.00E+00	8.81E-09	5.75E-10	9.18E-10	0.00E+00	1.49E-09	2.51E-10	3.68E-10	0.00E+00	6.19E-10
2387	442041.1	3768074	3.06E-09	3.73E-09	0.00E+00	6.79E-09	3.45E-09	5.42E-09	0.00E+00	8.87E-09	5.78E-10	9.24E-10	0.00E+00	1.50E-09	2.53E-10	3.70E-10	0.00E+00	6.23E-10
2388	442055.6	3768108	3.13E-09	3.82E-09	0.00E+00	6.95E-09	3.53E-09	5.55E-09	0.00E+00	9.09E-09	5.92E-10	9.47E-10	0.00E+00	1.54E-09	2.59E-10	3.79E-10	0.00E+00	6.38E-10
2389	442059.3	3768117	3.16E-09	3.85E-09	0.00E+00	7.00E-09	3.56E-09	5.59E-09	0.00E+00	9.15E-09	5.96E-10	9.53E-10	0.00E+00	1.55E-09	2.61E-10	3.82E-10	0.00E+00	6.43E-10
2390	442062.9	3768126	3.18E-09	3.87E-09	0.00E+00	7.05E-09	3.58E-09	5.63E-09	0.00E+00	9.21E-09	6.01E-10	9.60E-10	0.00E+00	1.56E-09	2.63E-10	3.85E-10	0.00E+00	6.47E-10
2391	442066.5	3768134	3.20E-09	3.90E-09	0.00E+00	7.10E-09	3.61E-09	5.67E-09	0.00E+00	9.28E-09	6.05E-10	9.67E-10	0.00E+00	1.57E-09	2.65E-10	3.87E-10	0.00E+00	6.52E-10
2392	442070.2	3768143	3.22E-09	3.93E-09	0.00E+00	7.15E-09	3.63E-09	5.71E-09	0.00E+00	9.35E-09	6.09E-10	9.74E-10	0.00E+00	1.58E-09	2.67E-10	3.90E-10	0.00E+00	6.57E-10
2393	442073.8	3768151	3.25E-09	3.96E-09	0.00E+00	7.21E-09	3.66E-09	5.76E-09	0.00E+00	9.42E-09	6.14E-10	9.82E-10	0.00E+00	1.60E-09	2.69E-10	3.93E-10	0.00E+00	6.62E-10
2394	442077.4	3768160	3.28E-09	3.99E-09	0.00E+00	7.27E-09	3.69E-09	5.80E-09	0.00E+00	9.50E-09	6.19E-10	9.90E-10	0.00E+00	1.61E-09	2.71E-10	3.96E-10	0.00E+00	6.67E-10
2395	442081.1	3768169	3.30E-09	4.03E-09	0.00E+00	7.33E-09	3.73E-09	5.86E-09	0.00E+00	9.58E-09	6.25E-10	9.98E-10	0.00E+00	1.62E-09	2.73E-10	4.00E-10	0.00E+00	6.73E-10
2396	442084.7	3768177	3.34E-09	4.07E-09	0.00E+00	7.41E-09	3.76E-09	5.92E-09	0.00E+00	9.68E-09	6.31E-10	1.01E-09	0.00E+00	1.64E-09	2.76E-10	4.04E-10	0.00E+00	6.80E-10
2397	442088.4	3768186	3.38E-09	4.12E-09	0.00E+00	7.49E-09	3.81E-09	5.98E-09	0.00E+00	9.79E-09	6.38E-10	1.02E-09	0.00E+00	1.66E-09	2.79E-10	4.09E-10	0.00E+00	6.88E-10
2398	442092	3768195	3.42E-09	4.16E-09	0.00E+00	7.58E-09	3.85E-09	6.05E-09	0.00E+00	9.90E-09	6.46E-10	1.03E-09	0.00E+00	1.68E-09	2.82E-10	4.13E-10	0.00E+00	6.96E-10
2399	442095.6	3768203	3.46E-09	4.21E-09	0.00E+00	7.67E-09	3.89E-09	6.12E-09	0.00E+00	1.00E-08	6.53E-10	1.04E-09	0.00E+00	1.70E-09	2.86E-10	4.18E-10	0.00E+00	7.04E-10
2400	442099.3	3768212	3.50E-09	4.26E-09	0.00E+00	7.76E-09	3.94E-09	6.20E-09	0.00E+00	1.01E-08	6.61E-10	1.06E-09	0.00E+00	1.72E-09	2.89E-10	4.23E-10	0.00E+00	7.12E-10
2401	442102.9	3768220	3.54E-09	4.32E-09	0.00E+00	7.86E-09	3.99E-09	6.28E-09	0.00E+00	1.03E-08	6.70E-10	1.07E-09	0.00E+00	1.74E-09	2.93E-10	4.29E-10	0.00E+00	7.22E-10
2402	442106.6	3768229	3.59E-09	4.38E-09	0.00E+00	7.97E-09	4.05E-09	6.36E-09	0.00E+00	1.04E-08	6.79E-10	1.08E-09	0.00E+00	1.76E-09	2.97E-10	4.34E-10	0.00E+00	7.31E-10
2403	442110.2	3768238	3.64E-09	4.44E-09	0.00E+00	8.08E-09	4.10E-09	6.45E-09	0.00E+00	1.06E-08	6.88E-10	1.10E-09	0.00E+00	1.79E-09	3.01E-10	4.40E-10	0.00E+00	7.41E-10
2404	442113.8	3768246	3.69E-09	4.50E-09	0.00E+00	8.19E-09	4.16E-09	6.54E-09	0.00E+00	1.07E-08	6.98E-10	1.12E-09	0.00E+00	1.81E-09	3.05E-10	4.47E-10	0.00E+00	7.52E-10
2405	442117.5	3768255	3.75E-09	4.57E-09	0.00E+00	8.32E-09	4.23E-09	6.65E-09	0.00E+00	1.09E-08	7.09E-10	1.13E-09	0.00E+00	1.84E-09	3.10E-10	4.54E-10	0.00E+00	7.64E-10
2406	442121.1	3768264	3.81E-09	4.64E-09	0.00E+00	8.45E-09	4.29E-09	6.75E-09	0.00E+00	1.10E-08	7.20E-10	1.15E-09	0.00E+00	1.87E-09	3.15E-10	4.61E-10	0.00E+00	7.76E-10
2407	442124.7	3768272	3.87E-09	4.72E-09	0.00E+00	8.58E-09	4.36E-09	6.85E-09	0.00E+00	1.12E-08	7.31E-10	1.17E-09	0.00E+00	1.90E-09	3.20E-10	4.68E-10	0.00E+00	7.88E-10
2408	442128.4	3768281	3.92E-09	4.78E-09	0.00E+00	8.70E-09	4.42E-09	6.95E-09	0.00E+00	1.14E-08	7.41E-10	1.18E-09	0.00E+00	1.93E-09	3.24E-10	4.75E-10	0.00E+00	7.99E-10
2409	442132	3768290	3.98E-09	4.85E-09	0.00E+00	8.82E-09	4.48E-09	7.05E-09	0.00E+00	1.15E-08	7.52E-10	1.20E-09	0.00E+00	1.95E-09	3.29E-10	4.81E-10	0.00E+00	8.10E-10
2410	442135.7	3768298	4.03E-09	4.92E-09	0.00E+00	8.95E-09	4.55E-09	7.15E-09	0.00E+00	1.17E-08	7.62E-10	1.22E-09	0.00E+00	1.98E-09	3.33E-10	4.88E-10	0.00E+00	8.21E-10
2411	442139.3	3768307	4.10E-09	5.00E-09	0.00E+00	9.09E-09	4.62E-09	7.26E-09	0.00E+00	1.19E-08	7.75E-10	1.24E-09	0.00E+00	2.01E-09	3.39E-10	4.96E-10	0.00E+00	8.35E-10
2412	442142.9	3768315	4.17E-09	5.08E-09	0.00E+00	9.25E-09	4.70E-09	7.38E-09	0.00E+00	1.21E-08	7.88E-10	1.26E-09	0.00E+00	2.05E-09	3.45E-10	5.04E-10	0.00E+00	8.49E-10
2413	442146.6	3768324	4.24E-09	5.17E-09	0.00E+00	9.41E-09	4.78E-09	7.51E-09	0.00E+00	1.23E-08	8.01E-10	1.28E-09	0.00E+00	2.08E-09	3.50E-10	5.13E-10	0.00E+00	8.63E-10
2414	442150.2	3768333	4.31E-09	5.26E-09	0.00E+00	9.57E-09	4.86E-09	7.65E-09	0.00E+00	1.25E-08	8.16E-10	1.30E-09	0.00E+00	2.12E-09	3.57E-10	5.22E-10	0.00E+00	8.79E-10
2415	442153.9	3768341	4.40E-09	5.36E-09	0.00E+00	9.76E-09	4.96E-09	7.79E-09	0.00E+00	1.28E-08	8.31E-10	1.33E-09	0.00E+00	2.16E-09	3.64E-10	5.32E-10	0.00E+00	8.96E-10
2416	442157.5	3768350	4.49E-09	5.47E-09	0.00E+00	9.95E-09	5.06E-09	7.95E-09	0.00E+00	1.30E-08	8.48E-10	1.36E-09	0.00E+00	2.20E-09	3.71E-10	5.43E-10	0.00E+00	9.14E-10
2417	442161.1	3768359	4.58E-09	5.58E-09	0.00E+00	1.02E-08	5.16E-09	8.11E-09	0.00E+00	1.33E-08	8.65E-10	1.38E-09	0.00E+00	2.25E-09	3.78E-10	5.54E-10	0.00E+00	9.32E-10
2418	442164.8	3768367	4.66E-09	5.68E-09	0.00E+00	1.03E-08	5.25E-09	8.26E-09	0.00E+00	1.35E-08	8.81E-10	1.41E-09	0.00E+00	2.29E-09	3.85E-10	5.64E-10	0.00E+00	9.50E-10
2419	442168.4	3768376	4.75E-09	5.79E-09	0.00E+00	1.05E-08	5.35E-09	8.42E-09	0.00E+00	1.38E-08	8.98E-10	1.44E-09	0.00E+00	2.33E-09	3.93E-10	5.75E-10	0.00E+00	9.68E-10
2420	442190.2	3768428	5.39E-09	6.57E-09	0.00E+00	1.20E-08	6.07E-09	9.55E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.65E-09	4.45E-10	6.52E-10	0.00E+00	1.10E-09
2421	442193.9	3768436	5.51E-09	6.72E-09	0.00E+00	1.22E-08	6.21E-09	9.77E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.56E-10	6.67E-10	0.00E+00	1.12E-09
2422	442215.7	3768488	6.37E-09	7.77E-09	0.00E+00	1.41E-08	7.18E-09	1.13E-08	0.00E+00	1.85E-08	1.20E-09	1.92E-09	0.00E+00	3.13E-09	5.27E-10	7.71E-10	0.00E+00	1.30E-09
2423	442219.3	3768497	6.52E-09	7.95E-09	0.00E+00	1.45E-08	7.35E-09	1.16E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.39E-10	7.89E-10	0.00E+00	1.33E-09
2424	442223	3768505	6.67E-09	8.13E-09	0.00E+00	1.48E-08	7.52E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.52E-10	8.08E-10	0.00E+00	1.36E-09
2425	442226.6	3768514	6.83E-09	8.33E-09	0.00E+00	1.52E-08	7.70E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.35E-09	5.65E-10	8.27E-10	0.00E+00	1.39E-09
2426	442230.3	3768523	6.99E-09	8.52E-09	0.00E+00	1.55E-08	7.88E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.11E-09	0.00E+00	3.43E-09	5.78E-10	8.46E-10	0.00E+00	1.42E-09
2427	441496.3	3767798	4.36E-09	5.31E-09	0.00E+00	9.67E-09	4.91E-09	7.72E-09	0.00E+00	1.26E-08	8.23E-10	1.32E-09	0.00E+00	2.14E-09	3.60E-10	5.27E-10	0.00E+00	8.87E-10
2428	441486.9	3767798	4.39E-09	5.35E-09	0.00E+00	9.74E-09	4.95E-09	7.78E-09	0.00E+00	1.27E-08	8.30E-10	1.33E-09	0.00E+00	2.16E-09	3.63E-10	5.31E-10	0.00E+00	8.94E-10
2429	441477.5	3767798	4.43E-09	5.40E-09	0.00E+00	9.83E-09	4.99E-09	7.85E-09	0.00E+00	1.28E-08	8.37E-10	1.34E-09	0.00E+00	2.17E-09	3.66E-10	5.36E-10	0.00E+00	9.02E-10
2430	441468.1	3767798	4.47E-09	5.45E-09	0.00E+00	9.92E-09	5.04E-09	7.92E-09	0.00E+00	1.30E-08	8.45E-10	1.35E-09	0.00E+00	2.20E-09	3.70E-10	5.41E-10	0.00E+00	9.11E-10
2431	441458.7	3767798	4.51E-09	5.50E-09	0.00E+00	1.00E-08	5.09E-09	8.00E-09	0.00E+00	1.31E-08	8.53E-10	1.36E-09	0.00E+00	2.22E-09	3.73E-10	5.46E-10	0.00E+00	9.19E-10
2432	441449.3	3767798	4.56E-09	5.55E-09	0.00E+00	1.01E-08	5.13E-09	8.07E-09	0.00E+00	1.32E-08	8.61E-10	1.38E-09	0.00E+00	2.24E-09	3.77E-10	5.51E-10	0.00E+00	9.28E-10
2433	441439.9	3767798	4.60E-09	5.61E-09	0.00E+00	1.02E-08	5.19E-09	8.15E-09	0.00E+00	1.33E-08	8.70E-10	1.39E-09	0.00E+00	2.26E-09	3.80E-10	5.57E-10	0.00E+00	9.37E-10
2434	441430.5	3767798	4.65E-09	5.66E-09	0.00E+00	1.03E-08	5.24E-09	8.23E-09	0.00E+00	1.35E-08	8.78E-10	1.40E-09	0.00E+00	2.28E-09	3.84E-10	5.62E-10	0.00E+00	9.46E-10
2435	441421.2	3767798	4.69E-09	5.72E-09	0.00E+00	1.04E-08	5.29E-09	8.31E-09	0.00E+00	1.36E-08	8.87E-10	1.42E-09	0.00E+00	2.30E-09	3.88E-10	5.68E-10	0.00E+00	9.56E-10
2436	441411.8	3767798	4.74E-09	5.78E-09	0.00E+00	1.05E-08	5.34E-09	8.40E-09	0.00E+00	1.37E-08	8.96E-10	1.43E-09	0.00E+00	2.33E-09	3.92E-10	5.74E-10	0.00E+00	9.66E-10
2437	441505	3767762	4.03E-09	4.91E-09	0.00E+00	8.94E-09	4.54E-09	7.14E-09	0.00E+00	1.17E-08	7.62E-10	1.22E-09	0.00E+00	1.98E-09	3.33E-10	4.88E-10	0.00E+00	8.21E-10
2438	441513.5	3767765	4.02E-09	4.90E-09	0.00E+00	8.92E-09	4.53E-09	7.13E-09	0.00E+00	1.17E-08	7.60E-10	1.22E-09	0.00E+00	1.98E-09	3.33E-10	4.87E-10	0.00E+00	8.19E-10
2439	441522.1	3767769	4.01E-09	4.89E-09	0.00E+00	8.90E-09	4.52E-09	7.11E-09	0.00E+00	1.16E-08	7.58E-10	1.21E-09	0.00E+00	1.97E-09	3.32E-10	4.85E-10	0.00E+00	8.17E-10
2440	441530.6	3767772	4.00E-09	4.88E-09	0.00E+00	8.88E-09	4.51E-09	7.09E-09	0.00E+00	1.16E-08	7.56E-10	1.21E-09	0.00E+00	1.97E-09	3.31E-10	4.84E-10	0.00E+00	8.15E-10
2441	441539.2	3767776	3.99E-09	4.86E-09	0.00E+00	8.85E-09	4.50E-09	7.07E-09	0.00E+00	1.16E-08	7.54E-10	1.21E-09	0.00E+00	1.96E-09	3.30E-10	4.83E-10	0.00E+00	8.13E-10
2442	441547.7	3767779	3.97E-09	4.84E-09	0.00E+00	8.82E-09	4.48E-09	7.04E-09	0.00E+00	1.15E-08	7.51E-10	1.20E-09	0.00E+00	1.95E-09	3.28E-10	4.81E-10	0.00E+00	8.09E-10
2443	441556.3	3767783	3.95E-09	4.82E-09	0.00E+00	8.77E-09	4.45E-09	7.00E-09	0.00E+00	1.15E-08	7.47E-10	1.19E-09	0.00E+00	1.94E-09	3.27E-10	4.78E-10	0.00E+00	8.05E-10
2444	441564.8	3767786	3.93E-09	4.79E-09	0.00E+00	8.72E-09	4.43E-09	6.97E-09	0.00E+00	1.14E-08	7.43E-10	1.19E-09	0.00E+00	1.93E-09	3.25E-10	4.76E-10	0.00E+00	8.01E-10
2445	441599	3767801	3.85E-09	4.69E-09	0.00E+00	8.54E-09	4.34E-09	6.82E-09	0.00E+00	1.12E-08	7.27E-10	1.16E-09	0.00E+00	1.89E-09	3.18E-10	4.65E-10	0.00E+00	7.84E-10
2446	441607.6	3767804	3.83E-09	4.67E-09	0.00E+00	8.50E-09	4.32E-09	6.79E-09	0.00E+00	1.11E-08	7.24E-10	1.16E-09	0.00E+00	1.88E-09	3.17E-10	4.64E-10	0.00E+00	7.80E-10
2447	441616.2	3767808	3.81E-09	4.65E-09	0.00E+00	8.47E-09	4.30E-09	6.76E-09	0.00E+00	1.11E-08	7.21E-10	1.15E-09	0.00E+00	1.87E-09	3.15E-10	4.62E-10	0.00E+00	7.77E-10
2448	441624.7	3767811	3.80E-09	4.63E-09	0.00E+00	8.43E-09	4.28E-09	6.73E-09	0.00E+00	1.10E-08	7.18E-10	1.15E-09	0.00E+00	1.87E-09	3.14E-10	4.60E-10	0.00E+00	7.74E-10
2449	441633.3	3767815	3.79E-09	4.62E-09	0.00E+00	8.40E-09	4.27E-09	6.71E-09	0.00E+00	1.10E-08	7.16E-10	1.14E-09	0.00E+00	1.86E-09	3.13E-10	4.58E-10	0.00E+00	7.71E-10
2450	441641.8	3767818	3.78E-09	4.60E-09	0.00E+00	8.38E-09	4.26E-09	6.69E-09	0.00E+00	1.09E-08	7.14E-10	1.14E-09	0.00E+00	1.85E-09	3.12E-10	4.57E-10	0.00E+00	7.69E-10
2451	441650.4	3767822	3.77E-09	4.59E-09	0.00E+00	8.36E-09	4.25E-09	6.67E-09	0.00E+00	1.09E-08	7.12E-10	1.14E-09	0.00E+00	1.85E-09	3.11E-10	4.56E-10	0.00E+00	7.67E-10
2452	441658.9	3767825	3.76E-09	4.58E-09	0.00E+00	8.34E-09	4.24E-09	6.66E-09	0.00E+00	1.09E-08	7.10E-10	1.14E-09	0.00E+00	1.85E-09	3.11E-10	4.55E-10	0.00E+00	7.66E-10
2453	441667.5	3767829	3.75E-09	4.57E-09	0.00E+00	8.32E-09	4.23E-09	6.65E-09	0.00E+00	1.09E-08	7.09E-10	1.13E-09	0.00E+00	1.84E-09	3.10E-10	4.54E-10	0.00E+00	7.64E-10
2454	441676	3767833	3.74E-09	4.56E-09	0.00E+00	8.30E-09	4.22E-09	6.63E-09	0.00E+00	1.08E-08	7.07E-10	1.13E-09	0.00E+00	1.84E-09	3.09E-10	4.53E-10	0.00E+00	7.62E-10
2455	441684.6	3767836	3.73E-09	4.55E-09	0.00E+00	8.28E-09	4.20E-09	6.61E-09	0.00E+00	1.08E-08	7.05E-10	1.13E-09	0.00E+00	1.83E-09	3.08E-10	4.51E-10	0.00E+00	7.60E-10
2456	441693.1	3767840	3.71E-09	4.53E-09	0.00E+00	8.24E-09	4.19E-09	6.58E-09	0.00E+00	1.08E-08	7.02E-10	1.12E-09	0.00E+00	1.82E-09	3.07E-10	4.49E-10	0.00E+00	7.57E-10
2457	441701.7	3767843	3.70E-09	4.51E-09	0.00E+00	8.21E-09	4.17E-09	6.55E-09	0.00E+00	1.07E-08	6.99E-10	1.12E-09	0.00E+00	1.82E-09	3.06E-10	4.48E-10	0.00E+00	7.53E-10
2458	441710.2	3767847	3.68E-09	4.49E-09	0.00E+00	8.17E-09	4.15E-09	6.53E-09	0.00E+00	1.07E-08	6.96E-10	1.11E-09	0.00E+00	1.81E-09	3.05E-10	4.46E-10	0.00E+00	7.50E-10
2459	441718.8	3767850	3.67E-09	4.47E-09	0.00E+00	8.14E-09	4.14E-09	6.50E-09	0.00E+00	1.06E-08	6.94E-10	1.11E-09	0.00E+00	1.80E-09	3.03E-10	4.44E-10	0.00E+00	7.48E-10
2460	441727.3	3767854	3.63E-09	4.43E-09	0.00E+00	8.07E-09	4.10E-09	6.44E-09	0.00E+00	1.05E-08	6.87E-10	1.10E-09	0.00E+00	1.79E-09	3.01E-10	4.40E-10	0.00E+00	7.40E-10
2461	441735.9	3767857	3.60E-09	4.39E-09	0.00E+00	7.98E-09	4.05E-09	6.37E-09	0.00E+00	1.04E-08	6.80E-10	1.09E-09	0.00E+00	1.77E-09	2.97E-10	4.35E-10	0.00E+00	7.33E-10

2462	441744.4	3767861	3.56E-09	4.34E-09	0.00E+00	7.90E-09	4.01E-09	6.31E-09	0.00E+00	1.03E-08	6.73E-10	1.08E-09	0.00E+00	1.75E-09	2.94E-10	4.31E-10	0.00E+00	7.25E-10
2463	441753	3767864	3.53E-09	4.30E-09	0.00E+00	7.83E-09	3.98E-09	6.25E-09	0.00E+00	1.02E-08	6.67E-10	1.07E-09	0.00E+00	1.73E-09	2.92E-10	4.27E-10	0.00E+00	7.19E-10
2464	441761.6	3767868	3.51E-09	4.28E-09	0.00E+00	7.78E-09	3.95E-09	6.22E-09	0.00E+00	1.02E-08	6.63E-10	1.06E-09	0.00E+00	1.72E-09	2.90E-10	4.24E-10	0.00E+00	7.14E-10
2465	441770.1	3767872	3.48E-09	4.25E-09	0.00E+00	7.73E-09	3.93E-09	6.17E-09	0.00E+00	1.01E-08	6.59E-10	1.05E-09	0.00E+00	1.71E-09	2.88E-10	4.22E-10	0.00E+00	7.10E-10
2466	441778.7	3767875	3.46E-09	4.22E-09	0.00E+00	7.68E-09	3.90E-09	6.13E-09	0.00E+00	1.00E-08	6.54E-10	1.05E-09	0.00E+00	1.70E-09	2.86E-10	4.19E-10	0.00E+00	7.05E-10
2467	441787.2	3767879	3.44E-09	4.19E-09	0.00E+00	7.63E-09	3.87E-09	6.09E-09	0.00E+00	9.96E-09	6.50E-10	1.04E-09	0.00E+00	1.69E-09	2.84E-10	4.16E-10	0.00E+00	7.00E-10
2468	441795.8	3767882	3.42E-09	4.17E-09	0.00E+00	7.58E-09	3.85E-09	6.06E-09	0.00E+00	9.91E-09	6.46E-10	1.03E-09	0.00E+00	1.68E-09	2.83E-10	4.14E-10	0.00E+00	6.96E-10
2469	441804.3	3767886	3.40E-09	4.14E-09	0.00E+00	7.54E-09	3.83E-09	6.02E-09	0.00E+00	9.85E-09	6.42E-10	1.03E-09	0.00E+00	1.67E-09	2.81E-10	4.11E-10	0.00E+00	6.92E-10
2470	441812.9	3767889	3.38E-09	4.12E-09	0.00E+00	7.50E-09	3.81E-09	5.99E-09	0.00E+00	9.80E-09	6.39E-10	1.02E-09	0.00E+00	1.66E-09	2.79E-10	4.09E-10	0.00E+00	6.88E-10
2471	441821.4	3767893	3.36E-09	4.10E-09	0.00E+00	7.46E-09	3.79E-09	5.96E-09	0.00E+00	9.75E-09	6.36E-10	1.02E-09	0.00E+00	1.65E-09	2.78E-10	4.07E-10	0.00E+00	6.85E-10
2472	441830	3767896	3.34E-09	4.08E-09	0.00E+00	7.42E-09	3.77E-09	5.92E-09	0.00E+00	9.69E-09	6.32E-10	1.01E-09	0.00E+00	1.64E-09	2.76E-10	4.05E-10	0.00E+00	6.81E-10
2473	441838.5	3767900	3.32E-09	4.05E-09	0.00E+00	7.37E-09	3.75E-09	5.89E-09	0.00E+00	9.63E-09	6.28E-10	1.00E-09	0.00E+00	1.63E-09	2.75E-10	4.02E-10	0.00E+00	6.77E-10
2474	441847.1	3767903	3.30E-09	4.02E-09	0.00E+00	7.31E-09	3.72E-09	5.84E-09	0.00E+00	9.56E-09	6.23E-10	9.96E-10	0.00E+00	1.62E-09	2.73E-10	3.99E-10	0.00E+00	6.71E-10
2475	441855.6	3767907	3.27E-09	3.98E-09	0.00E+00	7.25E-09	3.68E-09	5.79E-09	0.00E+00	9.47E-09	6.18E-10	9.87E-10	0.00E+00	1.60E-09	2.70E-10	3.95E-10	0.00E+00	6.66E-10
2476	441864.2	3767911	3.24E-09	3.95E-09	0.00E+00	7.19E-09	3.65E-09	5.74E-09	0.00E+00	9.39E-09	6.12E-10	9.78E-10	0.00E+00	1.59E-09	2.68E-10	3.92E-10	0.00E+00	6.60E-10
2477	441872.7	3767914	3.21E-09	3.91E-09	0.00E+00	7.12E-09	3.62E-09	5.69E-09	0.00E+00	9.30E-09	6.07E-10	9.69E-10	0.00E+00	1.58E-09	2.65E-10	3.88E-10	0.00E+00	6.54E-10
2478	441881.3	3767918	3.18E-09	3.88E-09	0.00E+00	7.06E-09	3.58E-09	5.63E-09	0.00E+00	9.22E-09	6.01E-10	9.61E-10	0.00E+00	1.56E-09	2.63E-10	3.85E-10	0.00E+00	6.48E-10
2479	441889.8	3767921	3.15E-09	3.84E-09	0.00E+00	6.99E-09	3.55E-09	5.58E-09	0.00E+00	9.13E-09	5.95E-10	9.52E-10	0.00E+00	1.55E-09	2.60E-10	3.81E-10	0.00E+00	6.42E-10
2480	441898.4	3767925	3.12E-09	3.80E-09	0.00E+00	6.92E-09	3.52E-09	5.53E-09	0.00E+00	9.05E-09	5.90E-10	9.43E-10	0.00E+00	1.53E-09	2.58E-10	3.78E-10	0.00E+00	6.36E-10
2481	441906.9	3767928	3.09E-09	3.77E-09	0.00E+00	6.85E-09	3.48E-09	5.47E-09	0.00E+00	8.96E-09	5.84E-10	9.33E-10	0.00E+00	1.52E-09	2.55E-10	3.74E-10	0.00E+00	6.29E-10
2482	441915.5	3767932	3.06E-09	3.73E-09	0.00E+00	6.79E-09	3.45E-09	5.42E-09	0.00E+00	8.87E-09	5.78E-10	9.24E-10	0.00E+00	1.50E-09	2.53E-10	3.70E-10	0.00E+00	6.23E-10
2483	441924.1	3767935	3.03E-09	3.69E-09	0.00E+00	6.72E-09	3.41E-09	5.37E-09	0.00E+00	8.78E-09	5.73E-10	9.15E-10	0.00E+00	1.49E-09	2.50E-10	3.67E-10	0.00E+00	6.17E-10
2484	441932.6	3767939	3.00E-09	3.66E-09	0.00E+00	6.65E-09	3.38E-09	5.31E-09	0.00E+00	8.69E-09	5.67E-10	9.06E-10	0.00E+00	1.47E-09	2.48E-10	3.63E-10	0.00E+00	6.11E-10
2485	441941.2	3767942	2.96E-09	3.61E-09	0.00E+00	6.58E-09	3.34E-09	5.25E-09	0.00E+00	8.59E-09	5.60E-10	8.96E-10	0.00E+00	1.46E-09	2.45E-10	3.59E-10	0.00E+00	6.04E-10
2486	441949.7	3767946	2.93E-09	3.58E-09	0.00E+00	6.51E-09	3.31E-09	5.20E-09	0.00E+00	8.50E-09	5.54E-10	8.86E-10	0.00E+00	1.44E-09	2.43E-10	3.55E-10	0.00E+00	5.97E-10
2487	441958.3	3767949	2.90E-09	3.54E-09	0.00E+00	6.44E-09	3.27E-09	5.15E-09	0.00E+00	8.42E-09	5.49E-10	8.77E-10	0.00E+00	1.43E-09	2.40E-10	3.51E-10	0.00E+00	5.92E-10
2488	442001	3767967	2.80E-09	3.41E-09	0.00E+00	6.21E-09	3.16E-09	4.96E-09	0.00E+00	8.12E-09	5.29E-10	8.46E-10	0.00E+00	1.37E-09	2.31E-10	3.39E-10	0.00E+00	5.70E-10
2489	442009.6	3767971	2.78E-09	3.39E-09	0.00E+00	6.17E-09	3.13E-09	4.92E-09	0.00E+00	8.06E-09	5.25E-10	8.39E-10	0.00E+00	1.36E-09	2.30E-10	3.36E-10	0.00E+00	5.66E-10
2490	442018.1	3767974	2.76E-09	3.36E-09	0.00E+00	6.12E-09	3.11E-09	4.89E-09	0.00E+00	8.00E-09	5.22E-10	8.33E-10	0.00E+00	1.35E-09	2.28E-10	3.34E-10	0.00E+00	5.62E-10
2491	442026.7	3767978	2.74E-09	3.34E-09	0.00E+00	6.08E-09	3.09E-09	4.86E-09	0.00E+00	7.95E-09	5.18E-10	8.28E-10	0.00E+00	1.35E-09	2.27E-10	3.32E-10	0.00E+00	5.59E-10
2492	442035.2	3767981	2.73E-09	3.32E-09	0.00E+00	6.05E-09	3.07E-09	4.83E-09	0.00E+00	7.91E-09	5.15E-10	8.24E-10	0.00E+00	1.34E-09	2.25E-10	3.30E-10	0.00E+00	5.55E-10
2493	442047.4	3767993	2.73E-09	3.33E-09	0.00E+00	6.06E-09	3.08E-09	4.84E-09	0.00E+00	7.92E-09	5.16E-10	8.25E-10	0.00E+00	1.34E-09	2.26E-10	3.31E-10	0.00E+00	5.57E-10
2494	442051	3768002	2.75E-09	3.35E-09	0.00E+00	6.11E-09	3.10E-09	4.88E-09	0.00E+00	7.98E-09	5.20E-10	8.31E-10	0.00E+00	1.35E-09	2.28E-10	3.33E-10	0.00E+00	5.61E-10
2495	442054.6	3768011	2.77E-09	3.37E-09	0.00E+00	6.14E-09	3.12E-09	4.91E-09	0.00E+00	8.03E-09	5.23E-10	8.36E-10	0.00E+00	1.36E-09	2.29E-10	3.35E-10	0.00E+00	5.64E-10
2496	442058.2	3768019	2.78E-09	3.39E-09	0.00E+00	6.17E-09	3.14E-09	4.93E-09	0.00E+00	8.07E-09	5.26E-10	8.41E-10	0.00E+00	1.37E-09	2.30E-10	3.37E-10	0.00E+00	5.67E-10
2497	442061.8	3768028	2.80E-09	3.41E-09	0.00E+00	6.20E-09	3.15E-09	4.95E-09	0.00E+00	8.11E-09	5.29E-10	8.45E-10	0.00E+00	1.37E-09	2.31E-10	3.38E-10	0.00E+00	5.70E-10
2498	442065.4	3768036	2.81E-09	3.42E-09	0.00E+00	6.23E-09	3.17E-09	4.98E-09	0.00E+00	8.14E-09	5.31E-10	8.48E-10	0.00E+00	1.38E-09	2.32E-10	3.40E-10	0.00E+00	5.72E-10
2499	442069	3768045	2.82E-09	3.44E-09	0.00E+00	6.26E-09	3.18E-09	5.00E-09	0.00E+00	8.18E-09	5.33E-10	8.52E-10	0.00E+00	1.39E-09	2.33E-10	3.41E-10	0.00E+00	5.75E-10
2500	442072.6	3768053	2.83E-09	3.45E-09	0.00E+00	6.29E-09	3.19E-09	5.02E-09	0.00E+00	8.21E-09	5.36E-10	8.56E-10	0.00E+00	1.39E-09	2.34E-10	3.43E-10	0.00E+00	5.77E-10
2501	442076.2	3768062	2.85E-09	3.47E-09	0.00E+00	6.32E-09	3.21E-09	5.05E-09	0.00E+00	8.26E-09	5.38E-10	8.60E-10	0.00E+00	1.40E-09	2.35E-10	3.45E-10	0.00E+00	5.80E-10
2502	442079.7	3768070	2.87E-09	3.49E-09	0.00E+00	6.36E-09	3.23E-09	5.08E-09	0.00E+00	8.31E-09	5.42E-10	8.66E-10	0.00E+00	1.41E-09	2.37E-10	3.47E-10	0.00E+00	5.84E-10
2503	442083.3	3768079	2.89E-09	3.52E-09	0.00E+00	6.40E-09	3.25E-09	5.11E-09	0.00E+00	8.37E-09	5.46E-10	8.72E-10	0.00E+00	1.42E-09	2.39E-10	3.49E-10	0.00E+00	5.88E-10
2504	442094.1	3768104	2.95E-09	3.60E-09	0.00E+00	6.55E-09	3.33E-09	5.23E-09	0.00E+00	8.56E-09	5.58E-10	8.92E-10	0.00E+00	1.45E-09	2.44E-10	3.57E-10	0.00E+00	6.01E-10
2505	442097.7	3768113	2.98E-09	3.63E-09	0.00E+00	6.60E-09	3.35E-09	5.27E-09	0.00E+00	8.63E-09	5.63E-10	8.99E-10	0.00E+00	1.46E-09	2.46E-10	3.60E-10	0.00E+00	6.06E-10
2506	442101.3	3768121	3.00E-09	3.66E-09	0.00E+00	6.66E-09	3.38E-09	5.32E-09	0.00E+00	8.70E-09	5.67E-10	9.07E-10	0.00E+00	1.47E-09	2.48E-10	3.63E-10	0.00E+00	6.11E-10
2507	442104.9	3768130	3.03E-09	3.69E-09	0.00E+00	6.72E-09	3.41E-09	5.36E-09	0.00E+00	8.77E-09	5.72E-10	9.14E-10	0.00E+00	1.49E-09	2.50E-10	3.66E-10	0.00E+00	6.16E-10
2508	442108.5	3768138	3.05E-09	3.72E-09	0.00E+00	6.78E-09	3.44E-09	5.41E-09	0.00E+00	8.85E-09	5.77E-10	9.23E-10	0.00E+00	1.50E-09	2.52E-10	3.70E-10	0.00E+00	6.22E-10
2509	442112.1	3768147	3.08E-09	3.76E-09	0.00E+00	6.84E-09	3.48E-09	5.46E-09	0.00E+00	8.94E-09	5.83E-10	9.32E-10	0.00E+00	1.51E-09	2.55E-10	3.73E-10	0.00E+00	6.28E-10
2510	442115.7	3768156	3.11E-09	3.80E-09	0.00E+00	6.91E-09	3.51E-09	5.52E-09	0.00E+00	9.03E-09	5.89E-10	9.41E-10	0.00E+00	1.53E-09	2.58E-10	3.77E-10	0.00E+00	6.34E-10
2511	442119.3	3768164	3.15E-09	3.83E-09	0.00E+00	6.98E-09	3.55E-09	5.57E-09	0.00E+00	9.12E-09	5.95E-10	9.50E-10	0.00E+00	1.54E-09	2.60E-10	3.81E-10	0.00E+00	6.41E-10
2512	442122.9	3768173	3.18E-09	3.87E-09	0.00E+00	7.05E-09	3.58E-09	5.63E-09	0.00E+00	9.21E-09	6.01E-10	9.60E-10	0.00E+00	1.56E-09	2.63E-10	3.85E-10	0.00E+00	6.47E-10
2513	442126.5	3768181	3.21E-09	3.91E-09	0.00E+00	7.12E-09	3.62E-09	5.69E-09	0.00E+00	9.31E-09	6.07E-10	9.70E-10	0.00E+00	1.58E-09	2.65E-10	3.88E-10	0.00E+00	6.54E-10
2514	442130.1	3768190	3.24E-09	3.95E-09	0.00E+00	7.20E-09	3.66E-09	5.75E-09	0.00E+00	9.41E-09	6.13E-10	9.80E-10	0.00E+00	1.59E-09	2.68E-10	3.93E-10	0.00E+00	6.61E-10
2515	442133.7	3768198	3.28E-09	4.00E-09	0.00E+00	7.28E-09	3.70E-09	5.81E-09	0.00E+00	9.51E-09	6.20E-10	9.91E-10	0.00E+00	1.61E-09	2.71E-10	3.97E-10	0.00E+00	6.68E-10
2516	442137.3	3768207	3.32E-09	4.05E-09	0.00E+00	7.37E-09	3.74E-09	5.88E-09	0.00E+00	9.63E-09	6.28E-10	1.00E-09	0.00E+00	1.63E-09	2.75E-10	4.02E-10	0.00E+00	6.76E-10
2517	442140.9	3768215	3.36E-09	4.10E-09	0.00E+00	7.46E-09	3.79E-09	5.95E-09	0.00E+00	9.74E-09	6.35E-10	1.02E-09	0.00E+00	1.65E-09	2.78E-10	4.07E-10	0.00E+00	6.84E-10
2518	442144.5	3768224	3.40E-09	4.14E-09	0.00E+00	7.54E-09	3.83E-09	6.02E-09	0.00E+00	9.85E-09	6.42E-10	1.03E-09	0.00E+00	1.67E-09	2.81E-10	4.11E-10	0.00E+00	6.92E-10
2519	442148.1	3768232	3.44E-09	4.19E-09	0.00E+00	7.63E-09	3.88E-09	6.09E-09	0.00E+00	9.97E-09	6.50E-10	1.04E-09	0.00E+00	1.69E-09	2.84E-10	4.16E-10	0.00E+00	7.00E-10
2520	442151.7	3768241	3.48E-09	4.25E-09	0.00E+00	7.73E-09	3.93E-09	6.17E-09	0.00E+00	1.01E-08	6.58E-10	1.05E-09	0.00E+00	1.71E-09	2.88E-10	4.21E-10	0.00E+00	7.09E-10
2521	442155.2	3768249	3.53E-09	4.31E-09	0.00E+00	7.84E-09	3.98E-09	6.26E-09	0.00E+00	1.02E-08	6.68E-10	1.07E-09	0.00E+00	1.74E-09	2.92E-10	4.28E-10	0.00E+00	7.20E-10
2522	442158.8	3768258	3.58E-09	4.37E-09	0.00E+00	7.96E-09	4.04E-09	6.35E-09	0.00E+00	1.04E-08	6.78E-10	1.08E-09	0.00E+00	1.76E-09	2.96E-10	4.34E-10	0.00E+00	7.30E-10
2523	442162.4	3768266	3.64E-09	4.44E-09	0.00E+00	8.07E-09	4.10E-09	6.45E-09	0.00E+00	1.05E-08	6.88E-10	1.10E-09	0.00E+00	1.79E-09	3.01E-10	4.40E-10	0.00E+00	7.41E-10
2524	442166	3768275	3.69E-09	4.50E-09	0.00E+00	8.18E-09	4.16E-09	6.53E-09	0.00E+00	1.07E-08	6.97E-10	1.11E-09	0.00E+00	1.81E-09	3.05E-10	4.46E-10	0.00E+00	7.51E-10
2525	442169.6	3768284	3.74E-09	4.55E-09	0.00E+00	8.29E-09	4.21E-09	6.62E-09	0.00E+00	1.08E-08	7.06E-10	1.13E-09	0.00E+00	1.83E-09	3.09E-10	4.52E-10	0.00E+00	7.61E-10
2526	442173.2	3768292	3.78E-09	4.61E-09	0.00E+00	8.40E-09	4.27E-09	6.71E-09	0.00E+00	1.10E-08	7.15E-10	1.14E-09	0.00E+00	1.86E-09	3.13E-10	4.58E-10	0.00E+00	7.71E-10
2527	442176.8	3768301	3.84E-09	4.68E-09	0.00E+00	8.52E-09	4.33E-09	6.80E-09	0.00E+00	1.11E-08	7.25E-10	1.16E-09	0.00E+00	1.88E-09	3.17E-10	4.64E-10	0.00E+00	7.82E-10
2528	442180.4	3768309	3.90E-09	4.75E-09	0.00E+00	8.65E-09	4.39E-09	6.91E-09	0.00E+00	1.13E-08	7.37E-10	1.18E-09	0.00E+00	1.91E-09	3.22E-10	4.72E-10	0.00E+00	7.94E-10
2529	442184	3768318	3.96E-09	4.83E-09	0.00E+00	8.79E-09	4.47E-09	7.02E-09	0.00E+00	1.15E-08	7.49E-10	1.20E-09	0.00E+00	1.95E-09	3.28E-10	4.80E-10	0.00E+00	8.07E-10
2530	442187.6	3768326	4.03E-09	4.91E-09	0.00E+00	8.94E-09	4.54E-09	7.14E-09	0.00E+00	1.17E-08	7.62E-10	1.22E-09	0.00E+00	1.98E-09	3.33E-10	4.88E-10	0.00E+00	8.21E-10
2531	442191.2	3768335	4.11E-09	5.00E-09	0.00E+00	9.11E-09	4.63E-09	7.27E-09	0.00E+00	1.19E-08	7.76E-10	1.24E-09	0.00E+00	2.02E-09	3.39E-10	4.97E-10	0.00E+00	8.36E-10
2532	442194.8	3768343	4.18E-09	5.10E-09	0.00E+00	9.28E-09	4.72E-09	7.41E-09	0.00E+00	1.21E-08	7.91E-10	1.26E-09	0.00E+00	2.05E-09	3.46E-10	5.06E-10	0.00E+00	8.52E-10
2533	442198.4	3768352	4.26E-09	5.20E-09	0.00E+00	9.46E-09	4.81E-09	7.55E-09	0.00E+00	1.24E-08	8.06E-10	1.29E-09	0.00E+00	2.09E-09	3.53E-10	5.16E-10	0.00E+00	8.68E-10
2534	442202	3768360	4.35E-09	5.30E-09	0.00E+00	9.64E-09	4.90E-09	7.70E-09	0.00E+00	1.26E-08	8.21E-10	1.31E-09	0.00E+00	2.13E-09	3.59E-10	5.26E-10	0.00E+00	8.85E-10
2535	442205.6	3768369	4.43E-09	5.40E-09	0.00E+00	9.83E-09	4.99E-09	7.85E-09	0.00E+00	1.28E-08	8.38E-10	1.34E-09	0.00E+00	2.18E-09	3.66E-10	5.36E-10	0.00E+00	9.03E-10
2536	442252.3	3768480	5.86E-09	7.14E-09	0.00E+00	1.30E-08	6.60E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.77E-09	0.00E+00	2.88E-09	4.84E-10	7.09E-10	0.00E+00	1.19E-09
2537	442255.9	3768488	5.99E-09	7.30E-09	0.00E+00	1.33E-08	6.75E-09	1.06E-08	0.00E+00	1.74E-08	1.13E-09	1.81E-09	0.00E+00	2.94E-09	4.95E-10	7.25E-10	0.00E+00	1.22E-09
2538	442259.5	3768497	6.13E-09	7.47E-09	0.00E+00	1.36E-08	6.91E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.85E-09	0.00E+00	3.01E-09	5.07E-10	7.42E-10	0.00E+00	1.25E-09
2539	442263.1	3768505	6.27E-09	7.64E-09	0.00E+00	1.39E-08	7.07E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.89E-09	0.00E+00	3.08E-09	5.18E-10	7.59E-10	0.00E+00	1.28E-09
2540	442266.7	3768514	6.41E-09	7.82E-09	0.00E+00	1.42E-08	7.23E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.30E-10	7.76E-10	0.00E+00	1.31E-09
2541	442270.3	3768522	6.56E-09	7.99E-09	0.00E+00	1.45E-08	7.39E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.42E-10	7.93E-10	0.00E+00	1.34E-09
2542	441496.4	3767758	4.03E-09	4.92E-09	0.00E+00	8.95E-09	4.55E-09	7.15E-09	0.00E+00	1.17E-08	7.63E-10	1.22E-09	0.00E+00	1.98E-09	3.34E-10	4.88E-10	0.00E+00	8.22E-10
2543	441487	3767758	4.07E-09	4.96E-09	0.00E+00	9.04E-09	4.59E-09	7.22E-09	0.00E+00	1.18E-08	7.70E-10	1.23E-09	0.00E+00	2.00E-09	3.37E-10	4.93E-10	0.00E+00	8.30E-10
2544	441477.6	3767758	4.11E-09	5.01E-09	0.00E+00	9.12E-09	4.63E-09	7.28E-09	0.00E+00	1.19E-08	7.77E-10	1.24E-09	0.00E+00	2.02E-09	3.40E-10	4.97E-10	0.00E+00	8.37E-10
2545	441468.2	3767758	4.15E-09	5.06E-09	0.00E+00	9.22E-09	4.68E-09	7.36E-09	0.00E+00	1.20E-08	7.85E-10	1.25E-09	0.00E+00	2.04E-09	3.43E-10	5.03E-10	0.00E+00	8.46E-10
2546	441458.8	3767758	4.20E-09	5.12E-09	0.00E+00	9.32E-09	4.73E-09	7.44E-09	0.00E+00	1.22E-08	7.94E-10	1.27E-09	0.00E+00	2.06E-09	3.47E-10	5.08E-10	0.00E+00	8.55E-10
2547	441449.5	3767758	4.24E-09	5.17E-09	0.00E+00	9.41E-09	4.78E-09	7.52E-09	0.00E+00	1.23E-08	8.02E-10	1.28E-09	0.00E+00	2.08E-09	3.51E-10	5.13E-10	0.00E+00	8.64E-10
2548	441440.1	3767758	4.28E-09	5.22E-09	0.00E+00	9.50E-09	4.82E-09	7.58E-09	0.00E+00	1.24E-08	8.09E-10	1.29E-09	0.00E+00	2.10E-09	3.54E-10	5.18E-10	0.00E+00	8.72E-10
2549	441430.7	3767758	4.32E-09	5.27E-09	0.00E+00	9.58E-09	4.87E-09	7.65E-09	0.00E+00	1.25E-08	8.17E-10	1.30E-09	0.00E+00	2.12E-09	3.57E-10	5.23E-10	0.00E+00	8.80E-10
2550	441421.3	3767758	4.36E-09	5.31E-09	0.00E+00	9.67E-09	4.91E-09	7.72E-09	0.00E+00	1.26E-08	8.24E-10	1.32E-09	0.00E+00	2.14E-09	3.60E-10	5.27E-10	0.00E+00	8.88E-10
2551	441411.9	3767758	4.40E-09	5.37E-09	0.00E+00	9.77E-09	4.96E-09	7.80E-09	0.00E+00	1.28E-08	8.32E-10	1.33E-09	0.00E+00	2.16E-09	3.64E-10	5.33E-10	0.00E+00	8.97E-10
2552	441505.1	3767722	3.75E-09	4.58E-09	0.00E+00	8.33E-09	4.23E-09	6.65E-09	0.00E+00	1.09E-08	7.10E-10	1.13E-09	0.00E+00	1.84E-09	3.10E-10	4.54E-10	0.00E+00	7.65E-10
2553	441513.7	3767725	3.74E-09	4.56E-09	0.00E+00	8.31E-09	4.22E-09	6.64E-09	0.00E+00	1.09E-08	7.08E-10	1.13E-09	0.00E+00	1.84E-09	3.10E-10	4.53E-10	0.00E+00	7.63E-10
2554	441522.3	3767729	3.74E-09	4.55E-09	0.00E+00	8.29E-09	4.21E-09	6.62E-09	0.00E+00	1.08E-08	7.06E-10	1.13E-09	0.00E+00	1.83E-09	3.09E-10	4.52E-10	0.00E+00	7.61E-10
2555	441530.9	3767732	3.73E-09	4.55E-09	0.00E+00	8.27E-09	4.20E-09	6.61E-09	0.00E+00	1.08E-08	7.05E-10	1.13E-09	0.00E+00	1.83E-09	3.08E-10	4.51E-10	0.00E+00	7.60E-10
2556	441539.5	3767736	3.72E-09	4.53E-09	0.00E+00	8.25E-09	4.19E-09	6.59E-09	0.00E+00	1.08E-08	7.03E-10	1.12E-09	0.00E+00	1.83E-09	3.07E-10	4.50E-10	0.00E+00	7.58E-10
2557	441548.1	3767739	3.71E-09	4.52E-09	0.00E+00	8.22E-09	4.18E-09	6.57E-09	0.00E+00	1.07E-08	7.00E-10	1.12E-09	0.00E+00	1.82E-09	3.06E-10	4.48E-10	0.00E+00	7.55E-10
2558	441556.7	3767743	3.69E-09	4.50E-09	0.00E+00	8.19E-09	4.16E-09	6.54E-09	0.00E+00	1.07E-08	6.97E-10	1.11E-09	0.00E+00	1.81E-09	3.05E-10	4.46E-10	0.00E+00	7.51E-10
2559	441565.3	3767747	3.67E-09	4.48E-09	0.00E+00	8.15E-09	4.14E-09	6.51E-09	0.00E+00	1.06E-08	6.94E-10	1.11E-09	0.00E+00	1.80E-09	3.04E-10	4.44E-10	0.00E+00	7.48E-10
2560	441591	3767757	3.62E-09	4.42E-09	0.00E+00	8.04E-09	4.09E-09	6.42E-09	0.00E+00	1.05E-08	6.85E-10	1.10E-09	0.00E+00	1.78E-09	3.00E-10	4.39E-10	0.00E+00	7.38E-10
2561	441599.6	3767761	3.61E-09	4.40E-09	0.00E+00	8.01E-09	4.07E-09	6.40E-09	0.00E+00	1.05E-08	6.83E-10	1.09E-09	0.00E+00	1.77E-09	2.99E-10	4.37E-10	0.00E+00	7.36E-10
2562	441608.2	3767764	3.59E-09	4.38E-09	0.00E+00	7.97E-09	4.05E-09	6.36E-09	0.00E+00	1.04E-08	6.79E-10	1.08E-09	0.00E+00	1.76E-09	2.97E-10	4.35E-10	0.00E+00	7.32E-10
2563	441616.8	3767768	3.57E-09	4.35E-09	0.00E+00	7.93E-09	4.03E-09	6.33E-09	0.00E+00	1.04E-08	6.75E-10	1.08E-09	0.00E+00	1.75E-09	2.95E-10	4.32E-10	0.00E+00	7.28E-10
2564	441625.4	3767772	3.55E-09	4.33E-09	0.00E+00	7.88E-09	4.00E-09	6.29E-09	0.00E+00	1.03E-08	6.71E-10	1.07E-09	0.00E+00	1.74E-09	2.94E-10	4.30E-10	0.00E+00	7.23E-10
2565	441634	3767775	3.54E-09	4.31E-09	0.00E+00	7.85E-09	3.99E-09	6.27E-09	0.00E+00	1.03E-08	6.69E-10	1.07E-09	0.00E+00	1.74E-09	2.92E-10	4.28E-10	0.00E+00	7.20E-10
2566	441642.6	3767779	3.53E-09	4.30E-09	0.00E+00	7.82E-09	3.97E-09	6.25E-09	0.00E+00	1.02E-08	6.67E-10	1.07E-09	0.00E+00	1.73E-09	2.92E-10	4.27E-10	0.00E+00	7.18E-10
2567	441651.1	3767782	3.52E-09	4.29E-09	0.00E+00	7.80E-09	3.96E-09	6.23E-09	0.00E+00	1.02E-08	6.65E-10	1.06E-09	0.00E+00	1.73E-09	2.91E-10	4.26E-10	0.00E+00	7.16E-10
2568	441659.7	3767786	3.51E-09	4.27E-09	0.00E+00	7.78E-09	3.95E-09	6.21E-09	0.00E+00	1.02E-08	6.63E-10	1.06E-09	0.00E+00	1.72E-09	2.90E-10	4.24E-10	0.00E+00	7.14E-10
2569	441668.3	3767789	3.49E-09	4.26E-09	0.00E+00	7.75E-09	3.93E-09	6.19E-09	0.00E+00	1.01E-08	6.60E-10	1.05E-09	0.00E+00	1.71E-09	2.89E-10	4.22E-10	0.00E+00	7.11E-10
2570	441676.9	3767793	3.48E-09	4.24E-09	0.00E+00	7.72E-09	3.92E-09	6.17E-09	0.00E+00	1.01E-08	6.58E-10	1.05E-09	0.00E+00	1.71E-09	2.88E-10	4.21E-10	0.00E+00	7.09E-10
2571	441685.5	3767796	3.47E-09	4.23E-09	0.00E+00	7.70E-09	3.91E-09	6.15E-09	0.00E+00	1.01E-08	6.56E-10	1.05E-09	0.00E+00	1.70E-09	2.87E-10	4.20E-10	0.00E+00	7.07E-10
2572	441694.1	3767800	3.46E-09	4.21E-09	0.00E+00	7.67E-09	3.90E-09	6.12E-09	0.00E+00	1.00E-08	6.53E-10	1.04E-09	0.00E+00	1.70E-09	2.86E-10	4.18E-10	0.00E+00	7.04E-10
2573	441702.7	3767804	3.44E-09	4.19E-09	0.00E+00	7.63E-09	3.87E-09	6.09E-09	0.00E+00	9.96E-09	6.50E-10	1.04E-09	0.00E+00	1.69E-09	2.84E-10	4.16E-10	0.00E+00	7.00E-10

2574	441711.3	3767807	3.42E-09	4.17E-09	0.00E+00	7.58E-09	3.85E-09	6.05E-09	0.00E+00	9.91E-09	6.46E-10	1.03E-09	0.00E+00	1.68E-09	2.83E-10	4.14E-10	0.00E+00	6.96E-10
2575	441719.9	3767811	3.40E-09	4.14E-09	0.00E+00	7.54E-09	3.83E-09	6.02E-09	0.00E+00	9.85E-09	6.42E-10	1.03E-09	0.00E+00	1.67E-09	2.81E-10	4.11E-10	0.00E+00	6.92E-10
2576	441728.4	3767814	3.39E-09	4.13E-09	0.00E+00	7.52E-09	3.82E-09	6.01E-09	0.00E+00	9.83E-09	6.41E-10	1.02E-09	0.00E+00	1.66E-09	2.80E-10	4.10E-10	0.00E+00	6.90E-10
2577	441737	3767818	3.38E-09	4.12E-09	0.00E+00	7.51E-09	3.81E-09	6.00E-09	0.00E+00	9.81E-09	6.40E-10	1.02E-09	0.00E+00	1.66E-09	2.80E-10	4.09E-10	0.00E+00	6.89E-10
2578	441745.6	3767821	3.37E-09	4.11E-09	0.00E+00	7.49E-09	3.80E-09	5.98E-09	0.00E+00	9.78E-09	6.38E-10	1.02E-09	0.00E+00	1.66E-09	2.79E-10	4.08E-10	0.00E+00	6.87E-10
2579	441754.2	3767825	3.36E-09	4.10E-09	0.00E+00	7.46E-09	3.79E-09	5.96E-09	0.00E+00	9.74E-09	6.35E-10	1.02E-09	0.00E+00	1.65E-09	2.78E-10	4.07E-10	0.00E+00	6.85E-10
2580	441762.8	3767828	3.35E-09	4.08E-09	0.00E+00	7.43E-09	3.77E-09	5.93E-09	0.00E+00	9.70E-09	6.33E-10	1.01E-09	0.00E+00	1.64E-09	2.77E-10	4.05E-10	0.00E+00	6.82E-10
2581	441771.4	3767832	3.33E-09	4.06E-09	0.00E+00	7.39E-09	3.76E-09	5.91E-09	0.00E+00	9.66E-09	6.30E-10	1.01E-09	0.00E+00	1.64E-09	2.76E-10	4.03E-10	0.00E+00	6.79E-10
2582	441780	3767836	3.32E-09	4.04E-09	0.00E+00	7.36E-09	3.74E-09	5.88E-09	0.00E+00	9.62E-09	6.27E-10	1.00E-09	0.00E+00	1.63E-09	2.74E-10	4.01E-10	0.00E+00	6.76E-10
2583	441788.6	3767839	3.30E-09	4.03E-09	0.00E+00	7.33E-09	3.72E-09	5.85E-09	0.00E+00	9.57E-09	6.24E-10	9.98E-10	0.00E+00	1.62E-09	2.73E-10	4.00E-10	0.00E+00	6.73E-10
2584	441797.2	3767843	3.29E-09	4.01E-09	0.00E+00	7.29E-09	3.70E-09	5.82E-09	0.00E+00	9.53E-09	6.21E-10	9.93E-10	0.00E+00	1.61E-09	2.72E-10	3.98E-10	0.00E+00	6.69E-10
2585	441805.7	3767846	3.27E-09	3.99E-09	0.00E+00	7.25E-09	3.68E-09	5.79E-09	0.00E+00	9.48E-09	6.18E-10	9.88E-10	0.00E+00	1.61E-09	2.70E-10	3.96E-10	0.00E+00	6.66E-10
2586	441814.3	3767850	3.25E-09	3.96E-09	0.00E+00	7.22E-09	3.67E-09	5.76E-09	0.00E+00	9.43E-09	6.15E-10	9.82E-10	0.00E+00	1.60E-09	2.69E-10	3.94E-10	0.00E+00	6.62E-10
2587	441822.9	3767853	3.23E-09	3.94E-09	0.00E+00	7.17E-09	3.64E-09	5.73E-09	0.00E+00	9.37E-09	6.11E-10	9.76E-10	0.00E+00	1.59E-09	2.67E-10	3.91E-10	0.00E+00	6.58E-10
2588	441831.5	3767857	3.21E-09	3.92E-09	0.00E+00	7.13E-09	3.62E-09	5.69E-09	0.00E+00	9.31E-09	6.07E-10	9.70E-10	0.00E+00	1.58E-09	2.66E-10	3.89E-10	0.00E+00	6.54E-10
2589	441840.1	3767860	3.19E-09	3.89E-09	0.00E+00	7.08E-09	3.60E-09	5.66E-09	0.00E+00	9.25E-09	6.03E-10	9.64E-10	0.00E+00	1.57E-09	2.64E-10	3.86E-10	0.00E+00	6.50E-10
2590	441848.7	3767864	3.17E-09	3.86E-09	0.00E+00	7.03E-09	3.57E-09	5.62E-09	0.00E+00	9.19E-09	5.99E-10	9.57E-10	0.00E+00	1.56E-09	2.62E-10	3.84E-10	0.00E+00	6.46E-10
2591	441857.3	3767868	3.15E-09	3.84E-09	0.00E+00	6.98E-09	3.55E-09	5.58E-09	0.00E+00	9.12E-09	5.95E-10	9.51E-10	0.00E+00	1.55E-09	2.60E-10	3.81E-10	0.00E+00	6.41E-10
2592	441865.9	3767871	3.12E-09	3.81E-09	0.00E+00	6.93E-09	3.52E-09	5.54E-09	0.00E+00	9.06E-09	5.91E-10	9.44E-10	0.00E+00	1.53E-09	2.58E-10	3.78E-10	0.00E+00	6.37E-10
2593	441874.5	3767875	3.10E-09	3.78E-09	0.00E+00	6.88E-09	3.50E-09	5.50E-09	0.00E+00	8.99E-09	5.86E-10	9.37E-10	0.00E+00	1.52E-09	2.56E-10	3.75E-10	0.00E+00	6.32E-10
2594	441883	3767878	3.08E-09	3.75E-09	0.00E+00	6.83E-09	3.47E-09	5.45E-09	0.00E+00	8.92E-09	5.82E-10	9.30E-10	0.00E+00	1.51E-09	2.54E-10	3.72E-10	0.00E+00	6.27E-10
2595	441891.6	3767882	3.05E-09	3.72E-09	0.00E+00	6.77E-09	3.44E-09	5.41E-09	0.00E+00	8.85E-09	5.77E-10	9.22E-10	0.00E+00	1.50E-09	2.52E-10	3.69E-10	0.00E+00	6.21E-10
2596	441900.2	3767885	3.02E-09	3.68E-09	0.00E+00	6.71E-09	3.41E-09	5.36E-09	0.00E+00	8.76E-09	5.71E-10	9.13E-10	0.00E+00	1.48E-09	2.50E-10	3.66E-10	0.00E+00	6.16E-10
2597	441908.8	3767889	2.99E-09	3.65E-09	0.00E+00	6.64E-09	3.37E-09	5.30E-09	0.00E+00	8.67E-09	5.65E-10	9.03E-10	0.00E+00	1.47E-09	2.47E-10	3.62E-10	0.00E+00	6.09E-10
2598	441917.4	3767893	2.96E-09	3.61E-09	0.00E+00	6.56E-09	3.33E-09	5.24E-09	0.00E+00	8.57E-09	5.59E-10	8.93E-10	0.00E+00	1.45E-09	2.45E-10	3.58E-10	0.00E+00	6.02E-10
2599	441926	3767896	2.92E-09	3.57E-09	0.00E+00	6.49E-09	3.30E-09	5.18E-09	0.00E+00	8.48E-09	5.53E-10	8.84E-10	0.00E+00	1.44E-09	2.42E-10	3.54E-10	0.00E+00	5.96E-10
2600	441934.6	3767900	2.89E-09	3.52E-09	0.00E+00	6.42E-09	3.26E-09	5.12E-09	0.00E+00	8.38E-09	5.47E-10	8.73E-10	0.00E+00	1.42E-09	2.39E-10	3.50E-10	0.00E+00	5.89E-10
2601	441943.2	3767903	2.86E-09	3.48E-09	0.00E+00	6.34E-09	3.22E-09	5.06E-09	0.00E+00	8.29E-09	5.40E-10	8.63E-10	0.00E+00	1.40E-09	2.36E-10	3.46E-10	0.00E+00	5.82E-10
2602	441951.7	3767907	2.83E-09	3.44E-09	0.00E+00	6.27E-09	3.18E-09	5.01E-09	0.00E+00	8.19E-09	5.34E-10	8.54E-10	0.00E+00	1.39E-09	2.34E-10	3.42E-10	0.00E+00	5.76E-10
2603	441960.3	3767910	2.79E-09	3.41E-09	0.00E+00	6.20E-09	3.15E-09	4.95E-09	0.00E+00	8.10E-09	5.28E-10	8.44E-10	0.00E+00	1.37E-09	2.31E-10	3.38E-10	0.00E+00	5.69E-10
2604	442003.3	3767928	2.67E-09	3.25E-09	0.00E+00	5.92E-09	3.01E-09	4.73E-09	0.00E+00	7.73E-09	5.04E-10	8.06E-10	0.00E+00	1.31E-09	2.21E-10	3.23E-10	0.00E+00	5.43E-10
2605	442011.9	3767932	2.65E-09	3.23E-09	0.00E+00	5.87E-09	2.98E-09	4.69E-09	0.00E+00	7.68E-09	5.00E-10	8.00E-10	0.00E+00	1.30E-09	2.19E-10	3.20E-10	0.00E+00	5.39E-10
2606	442020.5	3767935	2.63E-09	3.20E-09	0.00E+00	5.83E-09	2.96E-09	4.65E-09	0.00E+00	7.62E-09	4.97E-10	7.94E-10	0.00E+00	1.29E-09	2.17E-10	3.18E-10	0.00E+00	5.35E-10
2607	442029	3767939	2.60E-09	3.17E-09	0.00E+00	5.77E-09	2.93E-09	4.60E-09	0.00E+00	7.53E-09	4.91E-10	7.85E-10	0.00E+00	1.28E-09	2.15E-10	3.14E-10	0.00E+00	5.29E-10
2608	442037.6	3767942	2.57E-09	3.14E-09	0.00E+00	5.71E-09	2.90E-09	4.56E-09	0.00E+00	7.46E-09	4.87E-10	7.78E-10	0.00E+00	1.26E-09	2.13E-10	3.12E-10	0.00E+00	5.24E-10
2609	442046.2	3767946	2.55E-09	3.11E-09	0.00E+00	5.67E-09	2.88E-09	4.53E-09	0.00E+00	7.41E-09	4.83E-10	7.72E-10	0.00E+00	1.25E-09	2.11E-10	3.09E-10	0.00E+00	5.20E-10
2610	442054.8	3767949	2.54E-09	3.09E-09	0.00E+00	5.63E-09	2.86E-09	4.50E-09	0.00E+00	7.36E-09	4.80E-10	7.67E-10	0.00E+00	1.25E-09	2.10E-10	3.07E-10	0.00E+00	5.17E-10
2611	442063.4	3767953	2.52E-09	3.08E-09	0.00E+00	5.60E-09	2.85E-09	4.47E-09	0.00E+00	7.32E-09	4.77E-10	7.63E-10	0.00E+00	1.24E-09	2.09E-10	3.06E-10	0.00E+00	5.14E-10
2612	442075.6	3767965	2.54E-09	3.09E-09	0.00E+00	5.63E-09	2.86E-09	4.49E-09	0.00E+00	7.35E-09	4.79E-10	7.66E-10	0.00E+00	1.25E-09	2.10E-10	3.07E-10	0.00E+00	5.17E-10
2613	442079.2	3767974	2.56E-09	3.12E-09	0.00E+00	5.68E-09	2.88E-09	4.53E-09	0.00E+00	7.42E-09	4.84E-10	7.73E-10	0.00E+00	1.26E-09	2.12E-10	3.10E-10	0.00E+00	5.21E-10
2614	442082.8	3767982	2.58E-09	3.14E-09	0.00E+00	5.72E-09	2.91E-09	4.57E-09	0.00E+00	7.47E-09	4.87E-10	7.79E-10	0.00E+00	1.27E-09	2.13E-10	3.12E-10	0.00E+00	5.25E-10
2615	442086.4	3767991	2.60E-09	3.17E-09	0.00E+00	5.76E-09	2.93E-09	4.60E-09	0.00E+00	7.53E-09	4.91E-10	7.85E-10	0.00E+00	1.28E-09	2.15E-10	3.14E-10	0.00E+00	5.29E-10
2616	442090	3767999	2.62E-09	3.19E-09	0.00E+00	5.80E-09	2.95E-09	4.64E-09	0.00E+00	7.58E-09	4.95E-10	7.90E-10	0.00E+00	1.28E-09	2.16E-10	3.17E-10	0.00E+00	5.33E-10
2617	442093.7	3768008	2.63E-09	3.20E-09	0.00E+00	5.83E-09	2.96E-09	4.65E-09	0.00E+00	7.61E-09	4.97E-10	7.94E-10	0.00E+00	1.29E-09	2.17E-10	3.18E-10	0.00E+00	5.35E-10
2618	442097.3	3768017	2.64E-09	3.21E-09	0.00E+00	5.85E-09	2.97E-09	4.67E-09	0.00E+00	7.65E-09	4.98E-10	7.97E-10	0.00E+00	1.30E-09	2.18E-10	3.19E-10	0.00E+00	5.37E-10
2619	442100.9	3768025	2.65E-09	3.23E-09	0.00E+00	5.88E-09	2.98E-09	4.69E-09	0.00E+00	7.68E-09	5.01E-10	8.00E-10	0.00E+00	1.30E-09	2.19E-10	3.20E-10	0.00E+00	5.39E-10
2620	442104.5	3768034	2.66E-09	3.24E-09	0.00E+00	5.90E-09	3.00E-09	4.71E-09	0.00E+00	7.71E-09	5.03E-10	8.03E-10	0.00E+00	1.31E-09	2.20E-10	3.22E-10	0.00E+00	5.42E-10
2621	442108.1	3768042	2.67E-09	3.26E-09	0.00E+00	5.93E-09	3.01E-09	4.73E-09	0.00E+00	7.74E-09	5.05E-10	8.07E-10	0.00E+00	1.31E-09	2.21E-10	3.23E-10	0.00E+00	5.44E-10
2622	442111.7	3768051	2.68E-09	3.27E-09	0.00E+00	5.96E-09	3.03E-09	4.76E-09	0.00E+00	7.78E-09	5.07E-10	8.11E-10	0.00E+00	1.32E-09	2.22E-10	3.25E-10	0.00E+00	5.47E-10
2623	442115.3	3768059	2.70E-09	3.29E-09	0.00E+00	5.99E-09	3.04E-09	4.78E-09	0.00E+00	7.82E-09	5.10E-10	8.15E-10	0.00E+00	1.33E-09	2.23E-10	3.27E-10	0.00E+00	5.50E-10
2624	442118.9	3768068	2.72E-09	3.31E-09	0.00E+00	6.03E-09	3.06E-09	4.82E-09	0.00E+00	7.88E-09	5.14E-10	8.21E-10	0.00E+00	1.34E-09	2.25E-10	3.29E-10	0.00E+00	5.54E-10
2625	442122.5	3768076	2.74E-09	3.34E-09	0.00E+00	6.08E-09	3.09E-09	4.86E-09	0.00E+00	7.94E-09	5.18E-10	8.28E-10	0.00E+00	1.35E-09	2.27E-10	3.32E-10	0.00E+00	5.58E-10
2626	442126.1	3768085	2.76E-09	3.37E-09	0.00E+00	6.13E-09	3.11E-09	4.89E-09	0.00E+00	8.01E-09	5.22E-10	8.34E-10	0.00E+00	1.36E-09	2.28E-10	3.34E-10	0.00E+00	5.62E-10
2627	442137	3768111	2.83E-09	3.45E-09	0.00E+00	6.29E-09	3.19E-09	5.02E-09	0.00E+00	8.21E-09	5.35E-10	8.56E-10	0.00E+00	1.39E-09	2.34E-10	3.43E-10	0.00E+00	5.77E-10
2628	442140.6	3768119	2.86E-09	3.48E-09	0.00E+00	6.34E-09	3.22E-09	5.06E-09	0.00E+00	8.29E-09	5.40E-10	8.64E-10	0.00E+00	1.40E-09	2.36E-10	3.46E-10	0.00E+00	5.82E-10
2629	442144.2	3768128	2.88E-09	3.52E-09	0.00E+00	6.40E-09	3.25E-09	5.11E-09	0.00E+00	8.36E-09	5.45E-10	8.71E-10	0.00E+00	1.42E-09	2.38E-10	3.49E-10	0.00E+00	5.87E-10
2630	442147.8	3768136	2.91E-09	3.55E-09	0.00E+00	6.46E-09	3.28E-09	5.16E-09	0.00E+00	8.44E-09	5.50E-10	8.79E-10	0.00E+00	1.43E-09	2.41E-10	3.52E-10	0.00E+00	5.93E-10
2631	442151.4	3768145	2.94E-09	3.58E-09	0.00E+00	6.52E-09	3.31E-09	5.21E-09	0.00E+00	8.52E-09	5.55E-10	8.88E-10	0.00E+00	1.44E-09	2.43E-10	3.56E-10	0.00E+00	5.99E-10
2632	442155	3768154	2.97E-09	3.62E-09	0.00E+00	6.58E-09	3.34E-09	5.26E-09	0.00E+00	8.60E-09	5.61E-10	8.96E-10	0.00E+00	1.46E-09	2.45E-10	3.59E-10	0.00E+00	6.04E-10
2633	442158.6	3768162	2.99E-09	3.65E-09	0.00E+00	6.64E-09	3.37E-09	5.30E-09	0.00E+00	8.68E-09	5.66E-10	9.04E-10	0.00E+00	1.47E-09	2.47E-10	3.62E-10	0.00E+00	6.10E-10
2634	442162.3	3768171	3.02E-09	3.68E-09	0.00E+00	6.70E-09	3.41E-09	5.35E-09	0.00E+00	8.76E-09	5.71E-10	9.13E-10	0.00E+00	1.48E-09	2.50E-10	3.66E-10	0.00E+00	6.15E-10
2635	442165.9	3768179	3.05E-09	3.72E-09	0.00E+00	6.77E-09	3.44E-09	5.41E-09	0.00E+00	8.85E-09	5.77E-10	9.22E-10	0.00E+00	1.50E-09	2.52E-10	3.69E-10	0.00E+00	6.22E-10
2636	442169.5	3768188	3.08E-09	3.76E-09	0.00E+00	6.84E-09	3.47E-09	5.46E-09	0.00E+00	8.94E-09	5.83E-10	9.31E-10	0.00E+00	1.51E-09	2.55E-10	3.73E-10	0.00E+00	6.28E-10
2637	442173.1	3768196	3.11E-09	3.80E-09	0.00E+00	6.91E-09	3.51E-09	5.52E-09	0.00E+00	9.03E-09	5.89E-10	9.41E-10	0.00E+00	1.53E-09	2.57E-10	3.77E-10	0.00E+00	6.34E-10
2638	442176.7	3768205	3.15E-09	3.84E-09	0.00E+00	6.98E-09	3.55E-09	5.58E-09	0.00E+00	9.12E-09	5.95E-10	9.51E-10	0.00E+00	1.55E-09	2.60E-10	3.81E-10	0.00E+00	6.41E-10
2639	442180.3	3768214	3.18E-09	3.88E-09	0.00E+00	7.06E-09	3.59E-09	5.64E-09	0.00E+00	9.22E-09	6.01E-10	9.61E-10	0.00E+00	1.56E-09	2.63E-10	3.85E-10	0.00E+00	6.48E-10
2640	442183.9	3768222	3.22E-09	3.93E-09	0.00E+00	7.15E-09	3.63E-09	5.71E-09	0.00E+00	9.34E-09	6.09E-10	9.73E-10	0.00E+00	1.58E-09	2.66E-10	3.90E-10	0.00E+00	6.56E-10
2641	442187.5	3768231	3.26E-09	3.98E-09	0.00E+00	7.24E-09	3.68E-09	5.78E-09	0.00E+00	9.46E-09	6.17E-10	9.86E-10	0.00E+00	1.60E-09	2.70E-10	3.95E-10	0.00E+00	6.65E-10
2642	442191.1	3768239	3.31E-09	4.03E-09	0.00E+00	7.34E-09	3.73E-09	5.86E-09	0.00E+00	9.58E-09	6.25E-10	9.99E-10	0.00E+00	1.62E-09	2.73E-10	4.00E-10	0.00E+00	6.73E-10
2643	442194.7	3768248	3.35E-09	4.08E-09	0.00E+00	7.43E-09	3.77E-09	5.93E-09	0.00E+00	9.71E-09	6.33E-10	1.01E-09	0.00E+00	1.64E-09	2.77E-10	4.05E-10	0.00E+00	6.82E-10
2644	442198.4	3768256	3.39E-09	4.13E-09	0.00E+00	7.52E-09	3.82E-09	6.01E-09	0.00E+00	9.83E-09	6.41E-10	1.02E-09	0.00E+00	1.67E-09	2.80E-10	4.10E-10	0.00E+00	6.91E-10
2645	442202	3768265	3.44E-09	4.19E-09	0.00E+00	7.63E-09	3.87E-09	6.09E-09	0.00E+00	9.96E-09	6.50E-10	1.04E-09	0.00E+00	1.69E-09	2.84E-10	4.16E-10	0.00E+00	7.00E-10
2646	442205.6	3768274	3.49E-09	4.25E-09	0.00E+00	7.74E-09	3.93E-09	6.18E-09	0.00E+00	1.01E-08	6.59E-10	1.05E-09	0.00E+00	1.71E-09	2.88E-10	4.22E-10	0.00E+00	7.11E-10
2647	442209.2	3768282	3.54E-09	4.32E-09	0.00E+00	7.86E-09	3.99E-09	6.27E-09	0.00E+00	1.03E-08	6.69E-10	1.07E-09	0.00E+00	1.74E-09	2.93E-10	4.29E-10	0.00E+00	7.21E-10
2648	442212.8	3768291	3.60E-09	4.38E-09	0.00E+00	7.98E-09	4.05E-09	6.37E-09	0.00E+00	1.04E-08	6.80E-10	1.09E-09	0.00E+00	1.77E-09	2.97E-10	4.35E-10	0.00E+00	7.32E-10
2649	442216.4	3768299	3.65E-09	4.45E-09	0.00E+00	8.11E-09	4.12E-09	6.47E-09	0.00E+00	1.06E-08	6.91E-10	1.10E-09	0.00E+00	1.79E-09	3.02E-10	4.42E-10	0.00E+00	7.44E-10
2650	442220	3768308	3.71E-09	4.53E-09	0.00E+00	8.24E-09	4.19E-09	6.58E-09	0.00E+00	1.08E-08	7.02E-10	1.12E-09	0.00E+00	1.82E-09	3.07E-10	4.49E-10	0.00E+00	7.57E-10
2651	442223.6	3768316	3.78E-09	4.60E-09	0.00E+00	8.38E-09	4.26E-09	6.69E-09	0.00E+00	1.09E-08	7.14E-10	1.14E-09	0.00E+00	1.85E-09	3.12E-10	4.57E-10	0.00E+00	7.69E-10
2652	442227.2	3768325	3.84E-09	4.68E-09	0.00E+00	8.52E-09	4.33E-09	6.81E-09	0.00E+00	1.11E-08	7.26E-10	1.16E-09	0.00E+00	1.89E-09	3.18E-10	4.65E-10	0.00E+00	7.82E-10
2653	442230.9	3768334	3.91E-09	4.76E-09	0.00E+00	8.67E-09	4.40E-09	6.92E-09	0.00E+00	1.13E-08	7.38E-10	1.18E-09	0.00E+00	1.92E-09	3.23E-10	4.73E-10	0.00E+00	7.96E-10
2654	442234.5	3768342	3.97E-09	4.84E-09	0.00E+00	8.81E-09	4.47E-09	7.03E-09	0.00E+00	1.15E-08	7.50E-10	1.20E-09	0.00E+00	1.95E-09	3.28E-10	4.80E-10	0.00E+00	8.08E-10
2655	442238.1	3768351	4.03E-09	4.92E-09	0.00E+00	8.95E-09	4.55E-09	7.15E-09	0.00E+00	1.17E-08	7.62E-10	1.22E-09	0.00E+00	1.98E-09	3.33E-10	4.88E-10	0.00E+00	8.22E-10
2656	442241.7	3768359	4.10E-09	5.00E-09	0.00E+00	9.10E-09	4.62E-09	7.26E-09	0.00E+00	1.19E-08	7.75E-10	1.24E-09	0.00E+00	2.01E-09	3.39E-10	4.96E-10	0.00E+00	8.35E-10
2657	442285	3768462	5.30E-09	6.46E-09	0.00E+00	1.18E-08	5.97E-09	9.39E-09	0.00E+00	1.54E-08	1.00E-09	1.60E-09	0.00E+00	2.60E-09	4.38E-10	6.41E-10	0.00E+00	1.08E-09
2658	442288.6	3768471	5.41E-09	6.59E-09	0.00E+00	1.20E-08	6.10E-09	9.59E-09	0.00E+00	1.57E-08	1.02E-09	1.63E-09	0.00E+00	2.66E-09	4.47E-10	6.55E-10	0.00E+00	1.10E-09
2659	442292.2	3768479	5.52E-09	6.73E-09	0.00E+00	1.23E-08	6.23E-09	9.79E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.57E-10	6.69E-10	0.00E+00	1.13E-09
2660	442295.8	3768488	5.65E-09	6.88E-09	0.00E+00	1.25E-08	6.37E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.77E-09	4.67E-10	6.83E-10	0.00E+00	1.15E-09
2661	442299.4	3768496	5.77E-09	7.04E-09	0.00E+00	1.28E-08	6.51E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.84E-09	4.77E-10	6.99E-10	0.00E+00	1.18E-09
2662	442303.1	3768505	5.90E-09	7.20E-09	0.00E+00	1.31E-08	6.65E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.78E-09	0.00E+00	2.90E-09	4.88E-10	7.14E-10	0.00E+00	1.20E-09
2663	442306.7	3768513	6.02E-09	7.34E-09	0.00E+00	1.34E-08	6.79E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.82E-09	0.00E+00	2.96E-09	4.98E-10	7.29E-10	0.00E+00	1.23E-09
2664	442310.3	3768522	6.15E-09	7.50E-09	0.00E+00	1.37E-08	6.94E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.86E-09	0.00E+00	3.02E-09	5.09E-10	7.45E-10	0.00E+00	1.25E-09
2665	441496.5	3767718	3.76E-09	4.59E-09	0.00E+00	8.35E-09	4.24E-09	6.67E-09	0.00E+00	1.09E-08	7.11E-10	1.14E-09	0.00E+00	1.85E-09	3.11E-10	4.55E-10	0.00E+00	7.66E-10
2666	441487.2	3767718	3.79E-09	4.63E-09	0.00E+00	8.42E-09	4.28E-09	6.72E-09	0.00E+00	1.10E-08	7.17E-10	1.15E-09	0.00E+00	1.86E-09	3.14E-10	4.59E-10	0.00E+00	7.73E-10
2667	441477.8	3767718	3.83E-09	4.67E-09	0.00E+00	8.49E-09	4.31E-09	6.78E-09	0.00E+00	1.11E-08	7.24E-10	1.16E-09	0.00E+00	1.88E-09	3.16E-10	4.63E-10	0.00E+00	7.80E-10
2668	441468.4	3767718	3.86E-09	4.71E-09	0.00E+00	8.58E-09	4.36E-09	6.85E-09	0.00E+00	1.12E-08	7.31E-10	1.17E-09	0.00E+00	1.90E-09	3.20E-10	4.68E-10	0.00E+00	7.87E-10
2669	441459	3767718	3.90E-09	4.76E-09	0.00E+00	8.66E-09	4.40E-09	6.91E-09	0.00E+00	1.13E-08	7.38E-10	1.18E-09	0.00E+00	1.92E-09	3.23E-10	4.72E-10	0.00E+00	7.95E-10
2670	441449.6	3767718	3.94E-09	4.80E-09	0.00E+00	8.74E-09	4.44E-09	6.98E-09	0.00E+00	1.14E-08	7.45E-10	1.19E-09	0.00E+00	1.93E-09	3.26E-10	4.77E-10	0.00E+00	8.02E-10
2671	441440.2	3767718	3.97E-09	4.84E-09	0.00E+00	8.81E-09	4.48E-09	7.04E-09	0.00E+00	1.15E-08	7.51E-10	1.20E-09	0.00E+00	1.95E-09	3.28E-10	4.81E-10	0.00E+00	8.09E-10
2672	441430.8	3767718	4.01E-09	4.88E-09	0.00E+00	8.89E-09	4.52E-09	7.10E-09	0.00E+00	1.16E-08	7.57E-10	1.21E-09	0.00E+00	1.97E-09	3.31E-10	4.85E-10	0.00E+00	8.16E-10
2673	441421.4	3767718	4.04E-09	4.93E-09	0.00E+00	8.97E-09	4.55E-09	7.16E-09	0.00E+00	1.17E-08	7.64E-10	1.22E-09	0.00E+00	1.98E-09	3.34E-10	4.89E-10	0.00E+00	8.23E-10
2674	441412	3767718	4.09E-09	4.98E-09	0.00E+00	9.07E-09	4.61E-09	7.24E-09	0.00E+00	1.18E-08	7.72E-10	1.23E-09	0.00E+00	2.01E-09	3.38E-10	4.95E-10	0.00E+00	8.32E-10
2675	441505.3	3767682	3.50E-09	4.27E-09	0.00E+00	7.78E-09	3.95E-09	6.21E-09	0.00E+00	1.02E-08	6.62E-10	1.06E-09	0.00E+00	1.72E-09	2.90E-10	4.24E-10	0.00E+00	7.14E-10
2676	441513.9	3767685	3.50E-09	4.26E-09	0.00E+00	7.76E-09	3.94E-09	6.20E-09	0.00E+00	1.01E-08	6.61E-10	1.06E-09	0.00E+00	1.72E-09	2.89E-10	4.23E-10	0.00E+00	7.12E-10
2677	441522.5	3767689	3.49E-09	4.25E-09	0.00E+00	7.74E-09	3.93E-09	6.18E-09	0.00E+00	1.01E-08	6.59E-10	1.05E-09	0.00E+00	1.71E-09	2.88E-10	4.22E-10	0.00E+00	7.10E-10
2678	441531.2	3767692	3.48E-09	4.24E-09	0.00E+00	7.72E-09	3.92E-09	6.17E-09	0.00E+00	1.01E-08	6.58E-10	1.05E-09	0.00E+00	1.71E-09	2.88E-10	4.21E-10	0.00E+00	7.09E-10
2679	441539.8	3767696	3.47E-09	4.23E-09	0.00E+00	7.70E-09	3.91E-09	6.15E-09	0.00E+00	1.01E-08	6.56E-10	1.05E-09	0.00E+00	1.70E-09	2.87E-10	4.20E-10	0.00E+00	7.07E-10
2680	441548.4	3767700	3.45E-09	4.21E-09	0.00E+00	7.66E-09	3.89E-09	6.12E-09	0.00E+00	1.00E-08	6.53E-10	1.04E-09	0.00E+00	1.70E-09	2.85E-10	4.18E-10	0.00E+00	7.03E-10
2681	441557	3767703	3.43E-09	4.18E-09	0.00E+00	7.61E-09	3.87E-09	6.08E-09	0.00E+00	9.95E-09	6.49E-10	1.04E-09	0.00E+00	1.69E-09	2.84E-10	4.15E-10	0.00E+00	6.99E-10
2682	441565.6	3767707	3.41E-09	4.16E-09	0.00E+00	7.58E-09	3.85E-09	6.05E-09	0.00E+00	9.90E-09	6.45E-10	1.03E-09	0.00E+00	1.68E-09	2.82E-10	4.13E-10	0.00E+00	6.96E-10
2683	441591.5	3767717	3.39E-09	4.13E-09	0.00E+00	7.52E-09	3.82E-09	6.01E-09	0.00E+00	9.83E-09	6.41E-10	1.02E-09	0.00E+00	1.66E-09	2.80E-10	4.10E-10	0.00E+00	6.91E-10
2684	441600.1	3767721	3.38E-09	4.12E-09	0.00E+00	7.50E-09	3.81E-09	5.99E-09	0.00E+00	9.80E-09	6.39E-10	1.02E-09	0.00E+00	1.66E-09	2.80E-10	4.09E-10	0.00E+00	6.89E-10
2685	441608.8	3767725	3.37E-09	4.11E-09	0.00E+00	7.49E-09	3.80E-09	5.98E-09	0.00E+00	9.78E-09	6.38E-10	1.02E-09	0.00E+00	1.66E-09	2.79E-10	4.08E-10	0.00E+00	6.88E-10

2686	441617.4	3767728	3.37E-09	4.11E-09	0.00E+00	7.48E-09	3.80E-09	5.97E-09	0.00E+00	9.77E-09	6.37E-10	1.02E-09	0.00E+00	1.65E-09	2.79E-10	4.08E-10	0.00E+00	6.86E-10
2687	441626	3767732	3.36E-09	4.09E-09	0.00E+00	7.45E-09	3.79E-09	5.95E-09	0.00E+00	9.74E-09	6.35E-10	1.01E-09	0.00E+00	1.65E-09	2.78E-10	4.07E-10	0.00E+00	6.84E-10
2688	441634.6	3767735	3.34E-09	4.08E-09	0.00E+00	7.42E-09	3.77E-09	5.93E-09	0.00E+00	9.70E-09	6.32E-10	1.01E-09	0.00E+00	1.64E-09	2.77E-10	4.05E-10	0.00E+00	6.81E-10
2689	441643.2	3767739	3.33E-09	4.06E-09	0.00E+00	7.39E-09	3.75E-09	5.90E-09	0.00E+00	9.65E-09	6.29E-10	1.01E-09	0.00E+00	1.64E-09	2.75E-10	4.03E-10	0.00E+00	6.78E-10
2690	441651.9	3767742	3.32E-09	4.04E-09	0.00E+00	7.36E-09	3.74E-09	5.88E-09	0.00E+00	9.62E-09	6.27E-10	1.00E-09	0.00E+00	1.63E-09	2.74E-10	4.01E-10	0.00E+00	6.76E-10
2691	441660.5	3767746	3.31E-09	4.03E-09	0.00E+00	7.34E-09	3.73E-09	5.86E-09	0.00E+00	9.59E-09	6.25E-10	9.99E-10	0.00E+00	1.62E-09	2.73E-10	4.00E-10	0.00E+00	6.74E-10
2692	441669.1	3767750	3.29E-09	4.02E-09	0.00E+00	7.31E-09	3.71E-09	5.84E-09	0.00E+00	9.55E-09	6.23E-10	9.95E-10	0.00E+00	1.62E-09	2.72E-10	3.99E-10	0.00E+00	6.71E-10
2693	441677.7	3767753	3.28E-09	4.00E-09	0.00E+00	7.28E-09	3.70E-09	5.81E-09	0.00E+00	9.51E-09	6.20E-10	9.91E-10	0.00E+00	1.61E-09	2.71E-10	3.97E-10	0.00E+00	6.68E-10
2694	441686.3	3767757	3.26E-09	3.98E-09	0.00E+00	7.25E-09	3.68E-09	5.79E-09	0.00E+00	9.47E-09	6.17E-10	9.86E-10	0.00E+00	1.60E-09	2.70E-10	3.95E-10	0.00E+00	6.65E-10
2695	441695	3767760	3.25E-09	3.96E-09	0.00E+00	7.20E-09	3.66E-09	5.75E-09	0.00E+00	9.41E-09	6.14E-10	9.81E-10	0.00E+00	1.59E-09	2.68E-10	3.93E-10	0.00E+00	6.61E-10
2696	441703.6	3767764	3.23E-09	3.93E-09	0.00E+00	7.16E-09	3.64E-09	5.72E-09	0.00E+00	9.35E-09	6.10E-10	9.74E-10	0.00E+00	1.58E-09	2.67E-10	3.90E-10	0.00E+00	6.57E-10
2697	441712.2	3767767	3.20E-09	3.91E-09	0.00E+00	7.11E-09	3.61E-09	5.68E-09	0.00E+00	9.29E-09	6.06E-10	9.68E-10	0.00E+00	1.57E-09	2.65E-10	3.88E-10	0.00E+00	6.53E-10
2698	441720.8	3767771	3.18E-09	3.88E-09	0.00E+00	7.06E-09	3.59E-09	5.64E-09	0.00E+00	9.23E-09	6.02E-10	9.62E-10	0.00E+00	1.56E-09	2.63E-10	3.85E-10	0.00E+00	6.48E-10
2699	441729.5	3767775	3.17E-09	3.87E-09	0.00E+00	7.04E-09	3.57E-09	5.62E-09	0.00E+00	9.19E-09	5.99E-10	9.58E-10	0.00E+00	1.56E-09	2.62E-10	3.84E-10	0.00E+00	6.46E-10
2700	441738.1	3767778	3.16E-09	3.85E-09	0.00E+00	7.01E-09	3.56E-09	5.60E-09	0.00E+00	9.15E-09	5.97E-10	9.54E-10	0.00E+00	1.55E-09	2.61E-10	3.82E-10	0.00E+00	6.43E-10
2701	441746.7	3767782	3.14E-09	3.83E-09	0.00E+00	6.98E-09	3.54E-09	5.57E-09	0.00E+00	9.12E-09	5.94E-10	9.50E-10	0.00E+00	1.54E-09	2.60E-10	3.81E-10	0.00E+00	6.40E-10
2702	441755.3	3767785	3.14E-09	3.83E-09	0.00E+00	6.96E-09	3.54E-09	5.56E-09	0.00E+00	9.10E-09	5.93E-10	9.48E-10	0.00E+00	1.54E-09	2.59E-10	3.80E-10	0.00E+00	6.39E-10
2703	441763.9	3767789	3.14E-09	3.82E-09	0.00E+00	6.96E-09	3.54E-09	5.56E-09	0.00E+00	9.10E-09	5.93E-10	9.48E-10	0.00E+00	1.54E-09	2.59E-10	3.80E-10	0.00E+00	6.39E-10
2704	441772.6	3767792	3.14E-09	3.82E-09	0.00E+00	6.96E-09	3.54E-09	5.56E-09	0.00E+00	9.10E-09	5.93E-10	9.48E-10	0.00E+00	1.54E-09	2.59E-10	3.80E-10	0.00E+00	6.39E-10
2705	441781.2	3767796	3.13E-09	3.82E-09	0.00E+00	6.96E-09	3.53E-09	5.55E-09	0.00E+00	9.09E-09	5.93E-10	9.47E-10	0.00E+00	1.54E-09	2.59E-10	3.79E-10	0.00E+00	6.38E-10
2706	441789.8	3767800	3.12E-09	3.81E-09	0.00E+00	6.93E-09	3.52E-09	5.53E-09	0.00E+00	9.05E-09	5.90E-10	9.43E-10	0.00E+00	1.53E-09	2.58E-10	3.78E-10	0.00E+00	6.36E-10
2707	441798.4	3767803	3.11E-09	3.79E-09	0.00E+00	6.90E-09	3.51E-09	5.51E-09	0.00E+00	9.02E-09	5.88E-10	9.39E-10	0.00E+00	1.53E-09	2.57E-10	3.76E-10	0.00E+00	6.33E-10
2708	441807.1	3767807	3.10E-09	3.78E-09	0.00E+00	6.87E-09	3.49E-09	5.49E-09	0.00E+00	8.98E-09	5.86E-10	9.36E-10	0.00E+00	1.52E-09	2.56E-10	3.75E-10	0.00E+00	6.31E-10
2709	441815.7	3767810	3.08E-09	3.76E-09	0.00E+00	6.84E-09	3.48E-09	5.47E-09	0.00E+00	8.94E-09	5.83E-10	9.32E-10	0.00E+00	1.52E-09	2.55E-10	3.73E-10	0.00E+00	6.28E-10
2710	441824.3	3767814	3.07E-09	3.74E-09	0.00E+00	6.81E-09	3.46E-09	5.44E-09	0.00E+00	8.90E-09	5.80E-10	9.28E-10	0.00E+00	1.51E-09	2.54E-10	3.72E-10	0.00E+00	6.25E-10
2711	441832.9	3767817	3.06E-09	3.72E-09	0.00E+00	6.78E-09	3.44E-09	5.41E-09	0.00E+00	8.86E-09	5.78E-10	9.23E-10	0.00E+00	1.50E-09	2.53E-10	3.70E-10	0.00E+00	6.22E-10
2712	441841.5	3767821	3.04E-09	3.70E-09	0.00E+00	6.74E-09	3.42E-09	5.38E-09	0.00E+00	8.81E-09	5.74E-10	9.18E-10	0.00E+00	1.49E-09	2.51E-10	3.68E-10	0.00E+00	6.19E-10
2713	441850.2	3767825	3.02E-09	3.68E-09	0.00E+00	6.69E-09	3.40E-09	5.35E-09	0.00E+00	8.75E-09	5.70E-10	9.11E-10	0.00E+00	1.48E-09	2.49E-10	3.65E-10	0.00E+00	6.15E-10
2714	441858.8	3767828	3.00E-09	3.65E-09	0.00E+00	6.65E-09	3.38E-09	5.31E-09	0.00E+00	8.68E-09	5.66E-10	9.05E-10	0.00E+00	1.47E-09	2.48E-10	3.63E-10	0.00E+00	6.10E-10
2715	441867.4	3767832	2.97E-09	3.63E-09	0.00E+00	6.60E-09	3.35E-09	5.27E-09	0.00E+00	8.62E-09	5.62E-10	8.99E-10	0.00E+00	1.46E-09	2.46E-10	3.60E-10	0.00E+00	6.06E-10
2716	441876	3767835	2.96E-09	3.61E-09	0.00E+00	6.56E-09	3.33E-09	5.24E-09	0.00E+00	8.58E-09	5.59E-10	8.94E-10	0.00E+00	1.45E-09	2.45E-10	3.58E-10	0.00E+00	6.03E-10
2717	441884.6	3767839	2.94E-09	3.59E-09	0.00E+00	6.53E-09	3.32E-09	5.21E-09	0.00E+00	8.53E-09	5.56E-10	8.89E-10	0.00E+00	1.45E-09	2.43E-10	3.56E-10	0.00E+00	5.99E-10
2718	441893.3	3767842	2.93E-09	3.57E-09	0.00E+00	6.49E-09	3.30E-09	5.19E-09	0.00E+00	8.48E-09	5.53E-10	8.84E-10	0.00E+00	1.44E-09	2.42E-10	3.54E-10	0.00E+00	5.96E-10
2719	441901.9	3767846	2.91E-09	3.55E-09	0.00E+00	6.45E-09	3.28E-09	5.15E-09	0.00E+00	8.43E-09	5.50E-10	8.79E-10	0.00E+00	1.43E-09	2.40E-10	3.52E-10	0.00E+00	5.92E-10
2720	441910.5	3767850	2.89E-09	3.52E-09	0.00E+00	6.40E-09	3.25E-09	5.11E-09	0.00E+00	8.37E-09	5.45E-10	8.72E-10	0.00E+00	1.42E-09	2.39E-10	3.49E-10	0.00E+00	5.88E-10
2721	441919.1	3767853	2.86E-09	3.48E-09	0.00E+00	6.34E-09	3.22E-09	5.07E-09	0.00E+00	8.29E-09	5.40E-10	8.64E-10	0.00E+00	1.40E-09	2.36E-10	3.46E-10	0.00E+00	5.82E-10
2722	441927.8	3767857	2.83E-09	3.45E-09	0.00E+00	6.28E-09	3.19E-09	5.02E-09	0.00E+00	8.21E-09	5.35E-10	8.55E-10	0.00E+00	1.39E-09	2.34E-10	3.43E-10	0.00E+00	5.77E-10
2723	441936.4	3767860	2.80E-09	3.42E-09	0.00E+00	6.22E-09	3.16E-09	4.97E-09	0.00E+00	8.12E-09	5.30E-10	8.47E-10	0.00E+00	1.38E-09	2.32E-10	3.39E-10	0.00E+00	5.71E-10
2724	441945	3767864	2.77E-09	3.38E-09	0.00E+00	6.15E-09	3.12E-09	4.91E-09	0.00E+00	8.04E-09	5.24E-10	8.37E-10	0.00E+00	1.36E-09	2.29E-10	3.35E-10	0.00E+00	5.65E-10
2725	441953.6	3767867	2.74E-09	3.34E-09	0.00E+00	6.08E-09	3.09E-09	4.86E-09	0.00E+00	7.95E-09	5.18E-10	8.28E-10	0.00E+00	1.35E-09	2.27E-10	3.32E-10	0.00E+00	5.58E-10
2726	442005.4	3767889	2.60E-09	3.17E-09	0.00E+00	5.77E-09	2.93E-09	4.60E-09	0.00E+00	7.53E-09	4.91E-10	7.85E-10	0.00E+00	1.28E-09	2.15E-10	3.14E-10	0.00E+00	5.29E-10
2727	442014	3767892	2.58E-09	3.14E-09	0.00E+00	5.72E-09	2.90E-09	4.57E-09	0.00E+00	7.47E-09	4.87E-10	7.79E-10	0.00E+00	1.27E-09	2.13E-10	3.12E-10	0.00E+00	5.25E-10
2728	442022.6	3767896	2.55E-09	3.11E-09	0.00E+00	5.67E-09	2.88E-09	4.53E-09	0.00E+00	7.40E-09	4.83E-10	7.71E-10	0.00E+00	1.25E-09	2.11E-10	3.09E-10	0.00E+00	5.20E-10
2729	442031.2	3767900	2.52E-09	3.08E-09	0.00E+00	5.60E-09	2.84E-09	4.47E-09	0.00E+00	7.32E-09	4.77E-10	7.62E-10	0.00E+00	1.24E-09	2.09E-10	3.05E-10	0.00E+00	5.14E-10
2730	442039.8	3767903	2.49E-09	3.04E-09	0.00E+00	5.53E-09	2.81E-09	4.42E-09	0.00E+00	7.23E-09	4.71E-10	7.53E-10	0.00E+00	1.22E-09	2.06E-10	3.02E-10	0.00E+00	5.08E-10
2731	442048.5	3767907	2.46E-09	3.00E-09	0.00E+00	5.46E-09	2.77E-09	4.36E-09	0.00E+00	7.13E-09	4.65E-10	7.43E-10	0.00E+00	1.21E-09	2.03E-10	2.98E-10	0.00E+00	5.01E-10
2732	442057.1	3767910	2.43E-09	2.97E-09	0.00E+00	5.40E-09	2.74E-09	4.31E-09	0.00E+00	7.06E-09	4.60E-10	7.35E-10	0.00E+00	1.20E-09	2.01E-10	2.95E-10	0.00E+00	4.96E-10
2733	442065.7	3767914	2.41E-09	2.94E-09	0.00E+00	5.36E-09	2.72E-09	4.28E-09	0.00E+00	7.00E-09	4.56E-10	7.29E-10	0.00E+00	1.19E-09	2.00E-10	2.92E-10	0.00E+00	4.92E-10
2734	442074.3	3767917	2.39E-09	2.92E-09	0.00E+00	5.31E-09	2.70E-09	4.24E-09	0.00E+00	6.94E-09	4.52E-10	7.23E-10	0.00E+00	1.18E-09	1.98E-10	2.90E-10	0.00E+00	4.88E-10
2735	442082.9	3767921	2.38E-09	2.90E-09	0.00E+00	5.27E-09	2.68E-09	4.21E-09	0.00E+00	6.89E-09	4.49E-10	7.18E-10	0.00E+00	1.17E-09	1.96E-10	2.87E-10	0.00E+00	4.84E-10
2736	442091.6	3767925	2.36E-09	2.88E-09	0.00E+00	5.24E-09	2.66E-09	4.18E-09	0.00E+00	6.84E-09	4.46E-10	7.13E-10	0.00E+00	1.16E-09	1.95E-10	2.86E-10	0.00E+00	4.81E-10
2737	442103.8	3767937	2.36E-09	2.87E-09	0.00E+00	5.23E-09	2.66E-09	4.18E-09	0.00E+00	6.83E-09	4.46E-10	7.12E-10	0.00E+00	1.16E-09	1.95E-10	2.85E-10	0.00E+00	4.80E-10
2738	442107.4	3767945	2.38E-09	2.90E-09	0.00E+00	5.27E-09	2.68E-09	4.21E-09	0.00E+00	6.89E-09	4.49E-10	7.18E-10	0.00E+00	1.17E-09	1.97E-10	2.88E-10	0.00E+00	4.84E-10
2739	442111.1	3767954	2.40E-09	2.93E-09	0.00E+00	5.33E-09	2.71E-09	4.25E-09	0.00E+00	6.96E-09	4.54E-10	7.25E-10	0.00E+00	1.18E-09	1.99E-10	2.91E-10	0.00E+00	4.89E-10
2740	442114.7	3767963	2.42E-09	2.96E-09	0.00E+00	5.38E-09	2.73E-09	4.30E-09	0.00E+00	7.03E-09	4.58E-10	7.33E-10	0.00E+00	1.19E-09	2.00E-10	2.93E-10	0.00E+00	4.94E-10
2741	442118.3	3767971	2.45E-09	2.98E-09	0.00E+00	5.43E-09	2.76E-09	4.34E-09	0.00E+00	7.09E-09	4.62E-10	7.39E-10	0.00E+00	1.20E-09	2.02E-10	2.96E-10	0.00E+00	4.98E-10
2742	442121.9	3767980	2.46E-09	3.00E-09	0.00E+00	5.46E-09	2.77E-09	4.36E-09	0.00E+00	7.14E-09	4.65E-10	7.44E-10	0.00E+00	1.21E-09	2.04E-10	2.98E-10	0.00E+00	5.01E-10
2743	442125.6	3767988	2.48E-09	3.02E-09	0.00E+00	5.50E-09	2.79E-09	4.39E-09	0.00E+00	7.18E-09	4.68E-10	7.48E-10	0.00E+00	1.22E-09	2.05E-10	3.00E-10	0.00E+00	5.04E-10
2744	442129.2	3767997	2.49E-09	3.04E-09	0.00E+00	5.53E-09	2.81E-09	4.42E-09	0.00E+00	7.22E-09	4.71E-10	7.53E-10	0.00E+00	1.22E-09	2.06E-10	3.02E-10	0.00E+00	5.08E-10
2745	442132.8	3768006	2.51E-09	3.06E-09	0.00E+00	5.56E-09	2.83E-09	4.44E-09	0.00E+00	7.27E-09	4.74E-10	7.57E-10	0.00E+00	1.23E-09	2.07E-10	3.03E-10	0.00E+00	5.11E-10
2746	442136.4	3768014	2.52E-09	3.08E-09	0.00E+00	5.60E-09	2.84E-09	4.47E-09	0.00E+00	7.32E-09	4.77E-10	7.62E-10	0.00E+00	1.24E-09	2.09E-10	3.05E-10	0.00E+00	5.14E-10
2747	442140.1	3768023	2.54E-09	3.10E-09	0.00E+00	5.64E-09	2.86E-09	4.50E-09	0.00E+00	7.37E-09	4.80E-10	7.68E-10	0.00E+00	1.25E-09	2.10E-10	3.08E-10	0.00E+00	5.18E-10
2748	442143.7	3768031	2.56E-09	3.12E-09	0.00E+00	5.67E-09	2.88E-09	4.53E-09	0.00E+00	7.41E-09	4.83E-10	7.72E-10	0.00E+00	1.26E-09	2.11E-10	3.09E-10	0.00E+00	5.21E-10
2749	442147.3	3768040	2.57E-09	3.13E-09	0.00E+00	5.69E-09	2.89E-09	4.55E-09	0.00E+00	7.44E-09	4.85E-10	7.75E-10	0.00E+00	1.26E-09	2.12E-10	3.10E-10	0.00E+00	5.23E-10
2750	442150.9	3768049	2.58E-09	3.14E-09	0.00E+00	5.72E-09	2.90E-09	4.56E-09	0.00E+00	7.47E-09	4.87E-10	7.78E-10	0.00E+00	1.26E-09	2.13E-10	3.12E-10	0.00E+00	5.25E-10
2751	442154.6	3768057	2.59E-09	3.15E-09	0.00E+00	5.74E-09	2.92E-09	4.58E-09	0.00E+00	7.50E-09	4.89E-10	7.82E-10	0.00E+00	1.27E-09	2.14E-10	3.13E-10	0.00E+00	5.27E-10
2752	442158.2	3768066	2.60E-09	3.17E-09	0.00E+00	5.77E-09	2.93E-09	4.61E-09	0.00E+00	7.54E-09	4.92E-10	7.86E-10	0.00E+00	1.28E-09	2.15E-10	3.15E-10	0.00E+00	5.30E-10
2753	442161.8	3768074	2.62E-09	3.19E-09	0.00E+00	5.81E-09	2.95E-09	4.64E-09	0.00E+00	7.59E-09	4.95E-10	7.91E-10	0.00E+00	1.29E-09	2.16E-10	3.17E-10	0.00E+00	5.33E-10
2754	442165.4	3768083	2.63E-09	3.21E-09	0.00E+00	5.84E-09	2.97E-09	4.66E-09	0.00E+00	7.63E-09	4.98E-10	7.95E-10	0.00E+00	1.29E-09	2.18E-10	3.19E-10	0.00E+00	5.36E-10
2755	442179.9	3768117	2.72E-09	3.31E-09	0.00E+00	6.03E-09	3.06E-09	4.82E-09	0.00E+00	7.88E-09	5.14E-10	8.21E-10	0.00E+00	1.33E-09	2.25E-10	3.29E-10	0.00E+00	5.54E-10
2756	442183.5	3768126	2.74E-09	3.34E-09	0.00E+00	6.09E-09	3.09E-09	4.86E-09	0.00E+00	7.95E-09	5.19E-10	8.29E-10	0.00E+00	1.35E-09	2.27E-10	3.32E-10	0.00E+00	5.59E-10
2757	442187.2	3768135	2.77E-09	3.38E-09	0.00E+00	6.15E-09	3.12E-09	4.91E-09	0.00E+00	8.03E-09	5.24E-10	8.37E-10	0.00E+00	1.36E-09	2.29E-10	3.35E-10	0.00E+00	5.64E-10
2758	442190.8	3768143	2.80E-09	3.41E-09	0.00E+00	6.21E-09	3.15E-09	4.96E-09	0.00E+00	8.11E-09	5.29E-10	8.45E-10	0.00E+00	1.37E-09	2.31E-10	3.38E-10	0.00E+00	5.70E-10
2759	442194.4	3768152	2.82E-09	3.44E-09	0.00E+00	6.27E-09	3.18E-09	5.01E-09	0.00E+00	8.19E-09	5.34E-10	8.53E-10	0.00E+00	1.39E-09	2.34E-10	3.42E-10	0.00E+00	5.75E-10
2760	442198	3768160	2.85E-09	3.48E-09	0.00E+00	6.33E-09	3.21E-09	5.05E-09	0.00E+00	8.27E-09	5.39E-10	8.61E-10	0.00E+00	1.40E-09	2.36E-10	3.45E-10	0.00E+00	5.81E-10
2761	442201.7	3768169	2.88E-09	3.51E-09	0.00E+00	6.39E-09	3.24E-09	5.10E-09	0.00E+00	8.34E-09	5.44E-10	8.69E-10	0.00E+00	1.41E-09	2.38E-10	3.48E-10	0.00E+00	5.86E-10
2762	442205.3	3768178	2.90E-09	3.54E-09	0.00E+00	6.44E-09	3.27E-09	5.15E-09	0.00E+00	8.42E-09	5.49E-10	8.77E-10	0.00E+00	1.43E-09	2.40E-10	3.51E-10	0.00E+00	5.92E-10
2763	442208.9	3768186	2.93E-09	3.57E-09	0.00E+00	6.50E-09	3.30E-09	5.19E-09	0.00E+00	8.49E-09	5.54E-10	8.85E-10	0.00E+00	1.44E-09	2.42E-10	3.55E-10	0.00E+00	5.97E-10
2764	442212.5	3768195	2.96E-09	3.60E-09	0.00E+00	6.56E-09	3.33E-09	5.24E-09	0.00E+00	8.57E-09	5.59E-10	8.93E-10	0.00E+00	1.45E-09	2.44E-10	3.58E-10	0.00E+00	6.02E-10
2765	442216.2	3768203	2.99E-09	3.64E-09	0.00E+00	6.63E-09	3.37E-09	5.29E-09	0.00E+00	8.66E-09	5.64E-10	9.02E-10	0.00E+00	1.47E-09	2.47E-10	3.61E-10	0.00E+00	6.08E-10
2766	442219.8	3768212	3.02E-09	3.68E-09	0.00E+00	6.70E-09	3.40E-09	5.35E-09	0.00E+00	8.75E-09	5.71E-10	9.12E-10	0.00E+00	1.48E-09	2.50E-10	3.65E-10	0.00E+00	6.15E-10
2767	442223.4	3768221	3.06E-09	3.73E-09	0.00E+00	6.78E-09	3.45E-09	5.42E-09	0.00E+00	8.86E-09	5.78E-10	9.23E-10	0.00E+00	1.50E-09	2.53E-10	3.70E-10	0.00E+00	6.23E-10
2768	442227	3768229	3.10E-09	3.78E-09	0.00E+00	6.87E-09	3.49E-09	5.49E-09	0.00E+00	8.98E-09	5.85E-10	9.36E-10	0.00E+00	1.52E-09	2.56E-10	3.75E-10	0.00E+00	6.31E-10
2769	442230.7	3768238	3.14E-09	3.83E-09	0.00E+00	6.97E-09	3.54E-09	5.56E-09	0.00E+00	9.10E-09	5.93E-10	9.48E-10	0.00E+00	1.54E-09	2.60E-10	3.80E-10	0.00E+00	6.39E-10
2770	442234.3	3768246	3.19E-09	3.89E-09	0.00E+00	7.07E-09	3.59E-09	5.65E-09	0.00E+00	9.24E-09	6.03E-10	9.63E-10	0.00E+00	1.57E-09	2.64E-10	3.86E-10	0.00E+00	6.49E-10
2771	442237.9	3768255	3.24E-09	3.95E-09	0.00E+00	7.19E-09	3.65E-09	5.74E-09	0.00E+00	9.39E-09	6.13E-10	9.79E-10	0.00E+00	1.59E-09	2.68E-10	3.92E-10	0.00E+00	6.60E-10
2772	442241.5	3768264	3.29E-09	4.02E-09	0.00E+00	7.31E-09	3.71E-09	5.84E-09	0.00E+00	9.55E-09	6.23E-10	9.95E-10	0.00E+00	1.62E-09	2.72E-10	3.99E-10	0.00E+00	6.71E-10
2773	442245.2	3768272	3.35E-09	4.08E-09	0.00E+00	7.43E-09	3.77E-09	5.93E-09	0.00E+00	9.71E-09	6.33E-10	1.01E-09	0.00E+00	1.64E-09	2.77E-10	4.05E-10	0.00E+00	6.82E-10
2774	442248.8	3768281	3.40E-09	4.14E-09	0.00E+00	7.54E-09	3.83E-09	6.02E-09	0.00E+00	9.85E-09	6.42E-10	1.03E-09	0.00E+00	1.67E-09	2.81E-10	4.11E-10	0.00E+00	6.92E-10
2775	442252.4	3768289	3.45E-09	4.21E-09	0.00E+00	7.66E-09	3.89E-09	6.11E-09	0.00E+00	1.00E-08	6.52E-10	1.04E-09	0.00E+00	1.69E-09	2.85E-10	4.18E-10	0.00E+00	7.03E-10
2776	442256	3768298	3.51E-09	4.27E-09	0.00E+00	7.78E-09	3.95E-09	6.21E-09	0.00E+00	1.02E-08	6.63E-10	1.06E-09	0.00E+00	1.72E-09	2.90E-10	4.24E-10	0.00E+00	7.14E-10
2777	442259.7	3768307	3.55E-09	4.33E-09	0.00E+00	7.89E-09	4.01E-09	6.30E-09	0.00E+00	1.03E-08	6.72E-10	1.07E-09	0.00E+00	1.75E-09	2.94E-10	4.30E-10	0.00E+00	7.24E-10
2778	442263.3	3768315	3.60E-09	4.38E-09	0.00E+00	7.98E-09	4.05E-09	6.37E-09	0.00E+00	1.04E-08	6.80E-10	1.09E-09	0.00E+00	1.77E-09	2.97E-10	4.35E-10	0.00E+00	7.33E-10
2779	442266.9	3768324	3.64E-09	4.44E-09	0.00E+00	8.08E-09	4.10E-09	6.45E-09	0.00E+00	1.06E-08	6.88E-10	1.10E-09	0.00E+00	1.79E-09	3.01E-10	4.40E-10	0.00E+00	7.41E-10
2780	442270.5	3768332	3.68E-09	4.49E-09	0.00E+00	8.17E-09	4.15E-09	6.53E-09	0.00E+00	1.07E-08	6.96E-10	1.11E-09	0.00E+00	1.81E-09	3.05E-10	4.46E-10	0.00E+00	7.50E-10
2781	442274.2	3768341	3.74E-09	4.56E-09	0.00E+00	8.30E-09	4.21E-09	6.62E-09	0.00E+00	1.08E-08	7.07E-10	1.13E-09	0.00E+00	1.84E-09	3.09E-10	4.52E-10	0.00E+00	7.61E-10
2782	442277.8	3768350	3.79E-09	4.63E-09	0.00E+00	8.42E-09	4.28E-09	6.72E-09	0.00E+00	1.10E-08	7.17E-10	1.15E-09	0.00E+00	1.86E-09	3.14E-10	4.59E-10	0.00E+00	7.73E-10
2783	442317.6	3768444	4.81E-09	5.87E-09	0.00E+00	1.07E-08	5.43E-09	8.53E-09	0.00E+00	1.40E-08	9.10E-10	1.45E-09	0.00E+00	2.36E-09	3.98E-10	5.83E-10	0.00E+00	9.80E-10
2784	442321.3	3768453	4.91E-09	5.99E-09	0.00E+00	1.09E-08	5.54E-09	8.71E-09	0.00E+00	1.42E-08	9.29E-10	1.48E-09	0.00E+00	2.41E-09	4.06E-10	5.95E-10	0.00E+00	1.00E-09
2785	442324.9	3768461	5.01E-09	6.10E-09	0.00E+00	1.11E-08	5.64E-09	8.87E-09	0.00E+00	1.45E-08	9.46E-10	1.51E-09	0.00E+00	2.46E-09	4.14E-10	6.06E-10	0.00E+00	1.02E-09
2786	442328.5	3768470	5.10E-09	6.22E-09	0.00E+00	1.13E-08	5.75E-09	9.04E-09	0.00E+00	1.48E-08	9.64E-10	1.54E-09	0.00E+00	2.51E-09	4.22E-10	6.17E-10	0.00E+00	1.04E-09
2787	442332.1	3768479	5.20E-09	6.34E-09	0.00E+00	1.15E-08	5.86E-09	9.21E-09	0.00E+00	1.51E-08	9.83E-10	1.57E-09	0.00E+00	2.55E-09	4.30E-10	6.29E-10	0.00E+00	1.06E-09
2788	442335.8	3768487	5.31E-09	6.47E-09	0.00E+00	1.18E-08	5.98E-09	9.40E-09	0.00E+00	1.54E-08	1.00E-09	1.60E-09	0.00E+00	2.61E-09	4.39E-10	6.42E-10	0.00E+00	1.08E-09
2789	442339.4	3768496	5.42E-09	6.61E-09	0.00E+00	1.20E-08	6.11E-09	9.60E-09	0.00E+00	1.57E-08	1.02E-09	1.64E-09	0.00E+00	2.66E-09	4.48E-10	6.56E-10	0.00E+00	1.10E-09
2790	442343	3768504	5.53E-09	6.75E-09	0.00E+00	1.23E-08	6.24E-09	9.81E-09	0.00E+00	1.60E-08	1.05E-09	1.67E-09	0.00E+00	2.72E-09	4.58E-10	6.70E-10	0.00E+00	1.13E-09
2791	442346.6	3768513	5.65E-09	6.89E-09	0.00E+00	1.25E-08	6.37E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.67E-10	6.84E-10	0.00E+00	1.15E-09
2792	442350.3	3768522	5.76E-09	7.03E-09	0.00E+00	1.28E-08	6.50E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.77E-10	6.98E-10	0.00E+00	1.17E-09
2793	441496.7	3767678	3.51E-09	4.28E-09	0.00E+00	7.78E-09	3.95E-09	6.22E-09	0.00E+00	1.02E-08	6.63E-10	1.06E-09	0.00E+00	1.72E-09	2.90E-10	4.25E-10	0.00E+00	7.15E-10
2794	441487.3	3767678	3.54E-09	4.31E-09	0.00E+00	7.85E-09	3.99E-09	6.27E-09	0.00E+00	1.03E-08	6.69E-10	1.07E-09	0.00E+00	1.74E-09	2.92E-10	4.28E-10	0.00E+00	7.21E-10
2795	441477.9	3767678	3.57E-09	4.35E-09	0.00E+00	7.91E-09	4.02E-09	6.32E-09	0.00E+00	1.03E-08	6.74E-10	1.08E-09	0.00E+00	1.75E-09	2.95E-10	4.32E-10	0.00E+00	7.26E-10
2796	441468.5	3767678	3.60E-09	4.38E-09	0.00E+00	7.98E-09	4.05E-09	6.37E-09	0.00E+00	1.04E-08	6.80E-10	1.09E-09	0.00E+00	1.77E-09	2.97E-10	4.35E-10	0.00E+00	7.32E-10
2797	441459.1	3767678	3.62E-09	4.42E-09	0.00E+00	8.04E-09	4.09E-09	6.42E-09	0.00E+00	1.05E-08	6.85E-10	1.10E-09	0.00E+00	1.78E-09	3.00E-10	4.39E-10	0.00E+00	7.38E-10

2798	441449.7	3767678	3.66E-09	4.46E-09	0.00E+00	8.11E-09	4.12E-09	6.48E-09	0.00E+00	1.06E-08	6.91E-10	1.10E-09	0.00E+00	1.80E-09	3.02E-10	4.42E-10	0.00E+00	7.45E-10
2799	441440.3	3767678	3.69E-09	4.50E-09	0.00E+00	8.19E-09	4.16E-09	6.54E-09	0.00E+00	1.07E-08	6.97E-10	1.11E-09	0.00E+00	1.81E-09	3.05E-10	4.46E-10	0.00E+00	7.51E-10
2800	441430.9	3767678	3.72E-09	4.54E-09	0.00E+00	8.26E-09	4.20E-09	6.60E-09	0.00E+00	1.08E-08	7.04E-10	1.12E-09	0.00E+00	1.83E-09	3.08E-10	4.51E-10	0.00E+00	7.59E-10
2801	441421.5	3767678	3.76E-09	4.58E-09	0.00E+00	8.34E-09	4.24E-09	6.66E-09	0.00E+00	1.09E-08	7.10E-10	1.14E-09	0.00E+00	1.85E-09	3.11E-10	4.55E-10	0.00E+00	7.66E-10
2802	441412.1	3767678	3.80E-09	4.63E-09	0.00E+00	8.43E-09	4.28E-09	6.73E-09	0.00E+00	1.10E-08	7.18E-10	1.15E-09	0.00E+00	1.87E-09	3.14E-10	4.60E-10	0.00E+00	7.74E-10
2803	441505.5	3767642	3.26E-09	3.98E-09	0.00E+00	7.24E-09	3.68E-09	5.78E-09	0.00E+00	9.45E-09	6.16E-10	9.85E-10	0.00E+00	1.60E-09	2.70E-10	3.95E-10	0.00E+00	6.64E-10
2804	441514.1	3767645	3.25E-09	3.97E-09	0.00E+00	7.22E-09	3.67E-09	5.76E-09	0.00E+00	9.43E-09	6.15E-10	9.83E-10	0.00E+00	1.60E-09	2.69E-10	3.94E-10	0.00E+00	6.63E-10
2805	441522.8	3767649	3.24E-09	3.96E-09	0.00E+00	7.20E-09	3.66E-09	5.75E-09	0.00E+00	9.41E-09	6.13E-10	9.80E-10	0.00E+00	1.59E-09	2.68E-10	3.93E-10	0.00E+00	6.61E-10
2806	441531.4	3767652	3.23E-09	3.94E-09	0.00E+00	7.18E-09	3.65E-09	5.73E-09	0.00E+00	9.38E-09	6.11E-10	9.77E-10	0.00E+00	1.59E-09	2.67E-10	3.91E-10	0.00E+00	6.59E-10
2807	441540.1	3767656	3.22E-09	3.93E-09	0.00E+00	7.15E-09	3.63E-09	5.71E-09	0.00E+00	9.35E-09	6.09E-10	9.74E-10	0.00E+00	1.58E-09	2.67E-10	3.90E-10	0.00E+00	6.57E-10
2808	441548.7	3767660	3.21E-09	3.91E-09	0.00E+00	7.12E-09	3.62E-09	5.69E-09	0.00E+00	9.31E-09	6.07E-10	9.70E-10	0.00E+00	1.58E-09	2.65E-10	3.89E-10	0.00E+00	6.54E-10
2809	441557.4	3767663	3.19E-09	3.89E-09	0.00E+00	7.09E-09	3.60E-09	5.66E-09	0.00E+00	9.26E-09	6.04E-10	9.65E-10	0.00E+00	1.57E-09	2.64E-10	3.87E-10	0.00E+00	6.51E-10
2810	441566	3767667	3.17E-09	3.87E-09	0.00E+00	7.04E-09	3.58E-09	5.63E-09	0.00E+00	9.20E-09	6.00E-10	9.59E-10	0.00E+00	1.56E-09	2.62E-10	3.84E-10	0.00E+00	6.47E-10
2811	441592	3767678	3.14E-09	3.82E-09	0.00E+00	6.96E-09	3.53E-09	5.56E-09	0.00E+00	9.09E-09	5.93E-10	9.47E-10	0.00E+00	1.54E-09	2.59E-10	3.79E-10	0.00E+00	6.39E-10
2812	441600.6	3767681	3.13E-09	3.81E-09	0.00E+00	6.94E-09	3.52E-09	5.54E-09	0.00E+00	9.06E-09	5.91E-10	9.45E-10	0.00E+00	1.54E-09	2.59E-10	3.78E-10	0.00E+00	6.37E-10
2813	441609.3	3767685	3.12E-09	3.80E-09	0.00E+00	6.92E-09	3.51E-09	5.52E-09	0.00E+00	9.04E-09	5.89E-10	9.42E-10	0.00E+00	1.53E-09	2.58E-10	3.77E-10	0.00E+00	6.35E-10
2814	441617.9	3767688	3.11E-09	3.79E-09	0.00E+00	6.90E-09	3.51E-09	5.51E-09	0.00E+00	9.02E-09	5.88E-10	9.40E-10	0.00E+00	1.53E-09	2.57E-10	3.76E-10	0.00E+00	6.34E-10
2815	441626.6	3767692	3.11E-09	3.79E-09	0.00E+00	6.89E-09	3.50E-09	5.50E-09	0.00E+00	9.00E-09	5.87E-10	9.38E-10	0.00E+00	1.53E-09	2.57E-10	3.76E-10	0.00E+00	6.33E-10
2816	441635.2	3767695	3.11E-09	3.79E-09	0.00E+00	6.89E-09	3.50E-09	5.50E-09	0.00E+00	9.00E-09	5.87E-10	9.38E-10	0.00E+00	1.53E-09	2.57E-10	3.76E-10	0.00E+00	6.33E-10
2817	441643.9	3767699	3.11E-09	3.79E-09	0.00E+00	6.90E-09	3.50E-09	5.51E-09	0.00E+00	9.01E-09	5.88E-10	9.39E-10	0.00E+00	1.53E-09	2.57E-10	3.76E-10	0.00E+00	6.33E-10
2818	441652.5	3767703	3.11E-09	3.79E-09	0.00E+00	6.89E-09	3.50E-09	5.50E-09	0.00E+00	9.01E-09	5.87E-10	9.38E-10	0.00E+00	1.53E-09	2.57E-10	3.76E-10	0.00E+00	6.33E-10
2819	441661.2	3767706	3.10E-09	3.78E-09	0.00E+00	6.88E-09	3.50E-09	5.50E-09	0.00E+00	8.99E-09	5.86E-10	9.37E-10	0.00E+00	1.52E-09	2.56E-10	3.75E-10	0.00E+00	6.32E-10
2820	441669.8	3767710	3.10E-09	3.77E-09	0.00E+00	6.87E-09	3.49E-09	5.48E-09	0.00E+00	8.97E-09	5.85E-10	9.35E-10	0.00E+00	1.52E-09	2.56E-10	3.75E-10	0.00E+00	6.30E-10
2821	441678.5	3767713	3.09E-09	3.76E-09	0.00E+00	6.85E-09	3.48E-09	5.47E-09	0.00E+00	8.95E-09	5.84E-10	9.33E-10	0.00E+00	1.52E-09	2.55E-10	3.74E-10	0.00E+00	6.29E-10
2822	441687.1	3767717	3.08E-09	3.75E-09	0.00E+00	6.83E-09	3.47E-09	5.46E-09	0.00E+00	8.93E-09	5.82E-10	9.30E-10	0.00E+00	1.51E-09	2.55E-10	3.73E-10	0.00E+00	6.27E-10
2823	441695.8	3767721	3.07E-09	3.74E-09	0.00E+00	6.81E-09	3.46E-09	5.44E-09	0.00E+00	8.90E-09	5.80E-10	9.27E-10	0.00E+00	1.51E-09	2.54E-10	3.72E-10	0.00E+00	6.25E-10
2824	441704.4	3767724	3.06E-09	3.73E-09	0.00E+00	6.79E-09	3.45E-09	5.42E-09	0.00E+00	8.87E-09	5.78E-10	9.24E-10	0.00E+00	1.50E-09	2.53E-10	3.70E-10	0.00E+00	6.23E-10
2825	441713.1	3767728	3.05E-09	3.72E-09	0.00E+00	6.76E-09	3.44E-09	5.40E-09	0.00E+00	8.84E-09	5.76E-10	9.21E-10	0.00E+00	1.50E-09	2.52E-10	3.69E-10	0.00E+00	6.21E-10
2826	441721.7	3767731	3.04E-09	3.70E-09	0.00E+00	6.74E-09	3.42E-09	5.38E-09	0.00E+00	8.80E-09	5.74E-10	9.17E-10	0.00E+00	1.49E-09	2.51E-10	3.67E-10	0.00E+00	6.18E-10
2827	441730.4	3767735	3.02E-09	3.68E-09	0.00E+00	6.71E-09	3.41E-09	5.35E-09	0.00E+00	8.76E-09	5.71E-10	9.13E-10	0.00E+00	1.48E-09	2.50E-10	3.66E-10	0.00E+00	6.16E-10
2828	441739.1	3767739	3.01E-09	3.67E-09	0.00E+00	6.67E-09	3.39E-09	5.33E-09	0.00E+00	8.72E-09	5.68E-10	9.08E-10	0.00E+00	1.48E-09	2.49E-10	3.64E-10	0.00E+00	6.13E-10
2829	441747.7	3767742	2.99E-09	3.65E-09	0.00E+00	6.64E-09	3.37E-09	5.30E-09	0.00E+00	8.67E-09	5.66E-10	9.04E-10	0.00E+00	1.47E-09	2.47E-10	3.62E-10	0.00E+00	6.09E-10
2830	441756.4	3767746	2.98E-09	3.63E-09	0.00E+00	6.61E-09	3.36E-09	5.28E-09	0.00E+00	8.64E-09	5.63E-10	9.00E-10	0.00E+00	1.46E-09	2.46E-10	3.61E-10	0.00E+00	6.07E-10
2831	441765	3767749	2.97E-09	3.62E-09	0.00E+00	6.59E-09	3.35E-09	5.26E-09	0.00E+00	8.61E-09	5.61E-10	8.97E-10	0.00E+00	1.46E-09	2.45E-10	3.59E-10	0.00E+00	6.05E-10
2832	441773.7	3767753	2.96E-09	3.60E-09	0.00E+00	6.56E-09	3.33E-09	5.24E-09	0.00E+00	8.57E-09	5.59E-10	8.93E-10	0.00E+00	1.45E-09	2.44E-10	3.58E-10	0.00E+00	6.02E-10
2833	441782.3	3767756	2.94E-09	3.59E-09	0.00E+00	6.53E-09	3.32E-09	5.22E-09	0.00E+00	8.54E-09	5.57E-10	8.89E-10	0.00E+00	1.45E-09	2.43E-10	3.56E-10	0.00E+00	6.00E-10
2834	441791	3767760	2.93E-09	3.57E-09	0.00E+00	6.51E-09	3.30E-09	5.19E-09	0.00E+00	8.50E-09	5.54E-10	8.86E-10	0.00E+00	1.44E-09	2.42E-10	3.55E-10	0.00E+00	5.97E-10
2835	441799.6	3767764	2.92E-09	3.56E-09	0.00E+00	6.49E-09	3.30E-09	5.18E-09	0.00E+00	8.48E-09	5.53E-10	8.83E-10	0.00E+00	1.44E-09	2.42E-10	3.54E-10	0.00E+00	5.96E-10
2836	441808.3	3767767	2.91E-09	3.55E-09	0.00E+00	6.47E-09	3.29E-09	5.17E-09	0.00E+00	8.45E-09	5.51E-10	8.81E-10	0.00E+00	1.43E-09	2.41E-10	3.53E-10	0.00E+00	5.94E-10
2837	441816.9	3767771	2.90E-09	3.54E-09	0.00E+00	6.44E-09	3.27E-09	5.14E-09	0.00E+00	8.41E-09	5.49E-10	8.77E-10	0.00E+00	1.43E-09	2.40E-10	3.51E-10	0.00E+00	5.91E-10
2838	441825.6	3767774	2.89E-09	3.52E-09	0.00E+00	6.41E-09	3.26E-09	5.12E-09	0.00E+00	8.38E-09	5.46E-10	8.73E-10	0.00E+00	1.42E-09	2.39E-10	3.50E-10	0.00E+00	5.88E-10
2839	441834.2	3767778	2.88E-09	3.51E-09	0.00E+00	6.38E-09	3.24E-09	5.09E-09	0.00E+00	8.34E-09	5.44E-10	8.69E-10	0.00E+00	1.41E-09	2.38E-10	3.48E-10	0.00E+00	5.86E-10
2840	441842.9	3767782	2.86E-09	3.49E-09	0.00E+00	6.35E-09	3.23E-09	5.07E-09	0.00E+00	8.30E-09	5.41E-10	8.64E-10	0.00E+00	1.41E-09	2.37E-10	3.46E-10	0.00E+00	5.83E-10
2841	441851.5	3767785	2.85E-09	3.47E-09	0.00E+00	6.32E-09	3.21E-09	5.04E-09	0.00E+00	8.25E-09	5.38E-10	8.60E-10	0.00E+00	1.40E-09	2.35E-10	3.45E-10	0.00E+00	5.80E-10
2842	441860.2	3767789	2.83E-09	3.45E-09	0.00E+00	6.28E-09	3.19E-09	5.02E-09	0.00E+00	8.21E-09	5.35E-10	8.55E-10	0.00E+00	1.39E-09	2.34E-10	3.43E-10	0.00E+00	5.77E-10
2843	441868.8	3767792	2.82E-09	3.43E-09	0.00E+00	6.25E-09	3.17E-09	4.99E-09	0.00E+00	8.16E-09	5.32E-10	8.51E-10	0.00E+00	1.38E-09	2.33E-10	3.41E-10	0.00E+00	5.74E-10
2844	441877.5	3767796	2.80E-09	3.41E-09	0.00E+00	6.21E-09	3.16E-09	4.96E-09	0.00E+00	8.12E-09	5.29E-10	8.46E-10	0.00E+00	1.38E-09	2.32E-10	3.39E-10	0.00E+00	5.70E-10
2845	441886.1	3767799	2.79E-09	3.40E-09	0.00E+00	6.18E-09	3.14E-09	4.94E-09	0.00E+00	8.07E-09	5.26E-10	8.41E-10	0.00E+00	1.37E-09	2.30E-10	3.37E-10	0.00E+00	5.67E-10
2846	441894.8	3767803	2.77E-09	3.38E-09	0.00E+00	6.15E-09	3.12E-09	4.91E-09	0.00E+00	8.03E-09	5.24E-10	8.37E-10	0.00E+00	1.36E-09	2.29E-10	3.35E-10	0.00E+00	5.64E-10
2847	441903.4	3767807	2.75E-09	3.36E-09	0.00E+00	6.11E-09	3.11E-09	4.88E-09	0.00E+00	7.99E-09	5.21E-10	8.32E-10	0.00E+00	1.35E-09	2.28E-10	3.33E-10	0.00E+00	5.61E-10
2848	441912.1	3767810	2.74E-09	3.34E-09	0.00E+00	6.07E-09	3.08E-09	4.85E-09	0.00E+00	7.93E-09	5.17E-10	8.27E-10	0.00E+00	1.34E-09	2.26E-10	3.31E-10	0.00E+00	5.57E-10
2849	441920.7	3767814	2.72E-09	3.31E-09	0.00E+00	6.03E-09	3.06E-09	4.81E-09	0.00E+00	7.88E-09	5.14E-10	8.21E-10	0.00E+00	1.33E-09	2.25E-10	3.29E-10	0.00E+00	5.53E-10
2850	441929.4	3767817	2.70E-09	3.29E-09	0.00E+00	5.98E-09	3.04E-09	4.78E-09	0.00E+00	7.82E-09	5.10E-10	8.15E-10	0.00E+00	1.32E-09	2.23E-10	3.26E-10	0.00E+00	5.49E-10
2851	441938	3767821	2.68E-09	3.27E-09	0.00E+00	5.95E-09	3.02E-09	4.75E-09	0.00E+00	7.77E-09	5.07E-10	8.10E-10	0.00E+00	1.32E-09	2.22E-10	3.24E-10	0.00E+00	5.46E-10
2852	441946.7	3767825	2.66E-09	3.25E-09	0.00E+00	5.91E-09	3.00E-09	4.72E-09	0.00E+00	7.72E-09	5.04E-10	8.05E-10	0.00E+00	1.31E-09	2.20E-10	3.22E-10	0.00E+00	5.43E-10
2853	441955.4	3767828	2.65E-09	3.22E-09	0.00E+00	5.87E-09	2.98E-09	4.69E-09	0.00E+00	7.67E-09	5.00E-10	7.99E-10	0.00E+00	1.30E-09	2.19E-10	3.20E-10	0.00E+00	5.39E-10
2854	441998.6	3767846	2.53E-09	3.09E-09	0.00E+00	5.62E-09	2.85E-09	4.49E-09	0.00E+00	7.34E-09	4.79E-10	7.65E-10	0.00E+00	1.24E-09	2.09E-10	3.07E-10	0.00E+00	5.16E-10
2855	442007.3	3767850	2.51E-09	3.06E-09	0.00E+00	5.58E-09	2.83E-09	4.45E-09	0.00E+00	7.29E-09	4.75E-10	7.59E-10	0.00E+00	1.23E-09	2.08E-10	3.04E-10	0.00E+00	5.12E-10
2856	442015.9	3767853	2.50E-09	3.04E-09	0.00E+00	5.54E-09	2.81E-09	4.42E-09	0.00E+00	7.24E-09	4.72E-10	7.54E-10	0.00E+00	1.23E-09	2.06E-10	3.02E-10	0.00E+00	5.08E-10
2857	442024.6	3767857	2.48E-09	3.02E-09	0.00E+00	5.49E-09	2.79E-09	4.39E-09	0.00E+00	7.18E-09	4.68E-10	7.48E-10	0.00E+00	1.22E-09	2.05E-10	3.00E-10	0.00E+00	5.04E-10
2858	442033.2	3767860	2.45E-09	2.99E-09	0.00E+00	5.44E-09	2.77E-09	4.35E-09	0.00E+00	7.11E-09	4.64E-10	7.41E-10	0.00E+00	1.21E-09	2.03E-10	2.97E-10	0.00E+00	5.00E-10
2859	442041.9	3767864	2.43E-09	2.96E-09	0.00E+00	5.40E-09	2.74E-09	4.31E-09	0.00E+00	7.05E-09	4.60E-10	7.35E-10	0.00E+00	1.19E-09	2.01E-10	2.94E-10	0.00E+00	4.95E-10
2860	442050.5	3767868	2.41E-09	2.94E-09	0.00E+00	5.34E-09	2.71E-09	4.27E-09	0.00E+00	6.98E-09	4.55E-10	7.28E-10	0.00E+00	1.18E-09	1.99E-10	2.91E-10	0.00E+00	4.91E-10
2861	442059.2	3767871	2.38E-09	2.91E-09	0.00E+00	5.29E-09	2.69E-09	4.23E-09	0.00E+00	6.91E-09	4.51E-10	7.21E-10	0.00E+00	1.17E-09	1.97E-10	2.89E-10	0.00E+00	4.86E-10
2862	442067.8	3767875	2.36E-09	2.88E-09	0.00E+00	5.24E-09	2.66E-09	4.18E-09	0.00E+00	6.85E-09	4.46E-10	7.13E-10	0.00E+00	1.16E-09	1.95E-10	2.86E-10	0.00E+00	4.81E-10
2863	442076.5	3767878	2.34E-09	2.85E-09	0.00E+00	5.19E-09	2.63E-09	4.14E-09	0.00E+00	6.77E-09	4.42E-10	7.06E-10	0.00E+00	1.15E-09	1.93E-10	2.83E-10	0.00E+00	4.76E-10
2864	442085.1	3767882	2.31E-09	2.82E-09	0.00E+00	5.13E-09	2.61E-09	4.10E-09	0.00E+00	6.71E-09	4.37E-10	6.99E-10	0.00E+00	1.14E-09	1.91E-10	2.80E-10	0.00E+00	4.71E-10
2865	442093.8	3767885	2.29E-09	2.80E-09	0.00E+00	5.09E-09	2.59E-09	4.06E-09	0.00E+00	6.65E-09	4.34E-10	6.93E-10	0.00E+00	1.13E-09	1.90E-10	2.78E-10	0.00E+00	4.67E-10
2866	442102.4	3767889	2.27E-09	2.77E-09	0.00E+00	5.05E-09	2.56E-09	4.03E-09	0.00E+00	6.59E-09	4.30E-10	6.87E-10	0.00E+00	1.12E-09	1.88E-10	2.75E-10	0.00E+00	4.63E-10
2867	442111.1	3767893	2.26E-09	2.75E-09	0.00E+00	5.00E-09	2.54E-09	4.00E-09	0.00E+00	6.54E-09	4.26E-10	6.81E-10	0.00E+00	1.11E-09	1.86E-10	2.73E-10	0.00E+00	4.59E-10
2868	442119.7	3767896	2.24E-09	2.73E-09	0.00E+00	4.97E-09	2.52E-09	3.97E-09	0.00E+00	6.49E-09	4.23E-10	6.76E-10	0.00E+00	1.10E-09	1.85E-10	2.71E-10	0.00E+00	4.56E-10
2869	442132	3767908	2.23E-09	2.72E-09	0.00E+00	4.95E-09	2.52E-09	3.96E-09	0.00E+00	6.47E-09	4.22E-10	6.74E-10	0.00E+00	1.10E-09	1.85E-10	2.70E-10	0.00E+00	4.55E-10
2870	442135.7	3767917	2.24E-09	2.73E-09	0.00E+00	4.98E-09	2.53E-09	3.97E-09	0.00E+00	6.50E-09	4.24E-10	6.78E-10	0.00E+00	1.10E-09	1.85E-10	2.71E-10	0.00E+00	4.57E-10
2871	442139.3	3767926	2.25E-09	2.75E-09	0.00E+00	5.00E-09	2.54E-09	3.99E-09	0.00E+00	6.53E-09	4.26E-10	6.81E-10	0.00E+00	1.11E-09	1.86E-10	2.73E-10	0.00E+00	4.59E-10
2872	442142.9	3767934	2.26E-09	2.76E-09	0.00E+00	5.02E-09	2.55E-09	4.01E-09	0.00E+00	6.56E-09	4.28E-10	6.84E-10	0.00E+00	1.11E-09	1.87E-10	2.74E-10	0.00E+00	4.61E-10
2873	442146.6	3767943	2.28E-09	2.78E-09	0.00E+00	5.05E-09	2.57E-09	4.03E-09	0.00E+00	6.60E-09	4.30E-10	6.88E-10	0.00E+00	1.12E-09	1.88E-10	2.76E-10	0.00E+00	4.64E-10
2874	442150.2	3767952	2.30E-09	2.80E-09	0.00E+00	5.09E-09	2.59E-09	4.07E-09	0.00E+00	6.66E-09	4.34E-10	6.94E-10	0.00E+00	1.13E-09	1.90E-10	2.78E-10	0.00E+00	4.68E-10
2875	442153.8	3767960	2.31E-09	2.82E-09	0.00E+00	5.14E-09	2.61E-09	4.10E-09	0.00E+00	6.71E-09	4.38E-10	6.99E-10	0.00E+00	1.14E-09	1.91E-10	2.80E-10	0.00E+00	4.72E-10
2876	442157.5	3767969	2.33E-09	2.85E-09	0.00E+00	5.18E-09	2.63E-09	4.14E-09	0.00E+00	6.77E-09	4.41E-10	7.05E-10	0.00E+00	1.15E-09	1.93E-10	2.82E-10	0.00E+00	4.75E-10
2877	442161.1	3767977	2.35E-09	2.87E-09	0.00E+00	5.22E-09	2.65E-09	4.16E-09	0.00E+00	6.81E-09	4.44E-10	7.10E-10	0.00E+00	1.15E-09	1.94E-10	2.84E-10	0.00E+00	4.79E-10
2878	442164.8	3767986	2.37E-09	2.89E-09	0.00E+00	5.25E-09	2.67E-09	4.19E-09	0.00E+00	6.86E-09	4.47E-10	7.15E-10	0.00E+00	1.16E-09	1.96E-10	2.86E-10	0.00E+00	4.82E-10
2879	442168.4	3767995	2.38E-09	2.91E-09	0.00E+00	5.29E-09	2.69E-09	4.23E-09	0.00E+00	6.91E-09	4.51E-10	7.20E-10	0.00E+00	1.17E-09	1.97E-10	2.89E-10	0.00E+00	4.86E-10
2880	442172	3768003	2.40E-09	2.92E-09	0.00E+00	5.32E-09	2.70E-09	4.25E-09	0.00E+00	6.95E-09	4.53E-10	7.24E-10	0.00E+00	1.18E-09	1.98E-10	2.90E-10	0.00E+00	4.88E-10
2881	442175.7	3768012	2.41E-09	2.93E-09	0.00E+00	5.34E-09	2.71E-09	4.26E-09	0.00E+00	6.98E-09	4.55E-10	7.27E-10	0.00E+00	1.18E-09	1.99E-10	2.91E-10	0.00E+00	4.90E-10
2882	442179.3	3768021	2.42E-09	2.94E-09	0.00E+00	5.36E-09	2.72E-09	4.28E-09	0.00E+00	7.00E-09	4.57E-10	7.30E-10	0.00E+00	1.19E-09	2.00E-10	2.92E-10	0.00E+00	4.92E-10
2883	442182.9	3768029	2.43E-09	2.96E-09	0.00E+00	5.39E-09	2.74E-09	4.30E-09	0.00E+00	7.04E-09	4.59E-10	7.33E-10	0.00E+00	1.19E-09	2.01E-10	2.94E-10	0.00E+00	4.94E-10
2884	442186.6	3768038	2.44E-09	2.97E-09	0.00E+00	5.41E-09	2.75E-09	4.32E-09	0.00E+00	7.07E-09	4.61E-10	7.36E-10	0.00E+00	1.20E-09	2.02E-10	2.95E-10	0.00E+00	4.97E-10
2885	442190.2	3768047	2.45E-09	2.98E-09	0.00E+00	5.43E-09	2.76E-09	4.34E-09	0.00E+00	7.10E-09	4.63E-10	7.40E-10	0.00E+00	1.20E-09	2.02E-10	2.96E-10	0.00E+00	4.99E-10
2886	442193.9	3768055	2.46E-09	3.00E-09	0.00E+00	5.46E-09	2.77E-09	4.36E-09	0.00E+00	7.13E-09	4.65E-10	7.43E-10	0.00E+00	1.21E-09	2.03E-10	2.98E-10	0.00E+00	5.01E-10
2887	442197.5	3768064	2.47E-09	3.01E-09	0.00E+00	5.49E-09	2.79E-09	4.38E-09	0.00E+00	7.17E-09	4.67E-10	7.47E-10	0.00E+00	1.21E-09	2.04E-10	2.99E-10	0.00E+00	5.04E-10
2888	442201.1	3768072	2.49E-09	3.03E-09	0.00E+00	5.52E-09	2.80E-09	4.41E-09	0.00E+00	7.21E-09	4.70E-10	7.51E-10	0.00E+00	1.22E-09	2.06E-10	3.01E-10	0.00E+00	5.07E-10
2889	442204.8	3768081	2.50E-09	3.05E-09	0.00E+00	5.56E-09	2.82E-09	4.44E-09	0.00E+00	7.26E-09	4.73E-10	7.56E-10	0.00E+00	1.23E-09	2.07E-10	3.03E-10	0.00E+00	5.10E-10
2890	442208.4	3768090	2.52E-09	3.07E-09	0.00E+00	5.59E-09	2.84E-09	4.47E-09	0.00E+00	7.31E-09	4.76E-10	7.61E-10	0.00E+00	1.24E-09	2.08E-10	3.05E-10	0.00E+00	5.13E-10
2891	442219.3	3768116	2.58E-09	3.15E-09	0.00E+00	5.74E-09	2.91E-09	4.58E-09	0.00E+00	7.49E-09	4.89E-10	7.81E-10	0.00E+00	1.27E-09	2.14E-10	3.13E-10	0.00E+00	5.27E-10
2892	442222.9	3768124	2.61E-09	3.18E-09	0.00E+00	5.79E-09	2.94E-09	4.62E-09	0.00E+00	7.56E-09	4.93E-10	7.88E-10	0.00E+00	1.28E-09	2.16E-10	3.16E-10	0.00E+00	5.31E-10
2893	442226.6	3768133	2.63E-09	3.20E-09	0.00E+00	5.83E-09	2.96E-09	4.66E-09	0.00E+00	7.62E-09	4.97E-10	7.94E-10	0.00E+00	1.29E-09	2.17E-10	3.18E-10	0.00E+00	5.35E-10
2894	442230.2	3768141	2.65E-09	3.23E-09	0.00E+00	5.88E-09	2.99E-09	4.70E-09	0.00E+00	7.68E-09	5.01E-10	8.01E-10	0.00E+00	1.30E-09	2.19E-10	3.21E-10	0.00E+00	5.40E-10
2895	442233.9	3768150	2.68E-09	3.26E-09	0.00E+00	5.94E-09	3.02E-09	4.74E-09	0.00E+00	7.76E-09	5.06E-10	8.09E-10	0.00E+00	1.31E-09	2.21E-10	3.24E-10	0.00E+00	5.45E-10
2896	442237.5	3768159	2.70E-09	3.29E-09	0.00E+00	6.00E-09	3.05E-09	4.79E-09	0.00E+00	7.83E-09	5.11E-10	8.16E-10	0.00E+00	1.33E-09	2.23E-10	3.27E-10	0.00E+00	5.50E-10
2897	442241.1	3768167	2.73E-09	3.33E-09	0.00E+00	6.05E-09	3.07E-09	4.83E-09	0.00E+00	7.91E-09	5.16E-10	8.24E-10	0.00E+00	1.34E-09	2.26E-10	3.30E-10	0.00E+00	5.56E-10
2898	442244.8	3768176	2.75E-09	3.36E-09	0.00E+00	6.11E-09	3.10E-09	4.88E-09	0.00E+00	7.98E-09	5.20E-10	8.32E-10	0.00E+00	1.35E-09	2.28E-10	3.33E-10	0.00E+00	5.61E-10
2899	442248.4	3768185	2.78E-09	3.39E-09	0.00E+00	6.17E-09	3.13E-09	4.93E-09	0.00E+00	8.06E-09	5.26E-10	8.40E-10	0.00E+00	1.37E-09	2.30E-10	3.36E-10	0.00E+00	5.66E-10
2900	442252	3768193	2.81E-09	3.43E-09	0.00E+00	6.24E-09	3.17E-09	4.98E-09	0.00E+00	8.15E-09	5.32E-10	8.49E-10	0.00E+00	1.38E-09	2.32E-10	3.40E-10	0.00E+00	5.73E-10
2901	442255.7	3768202	2.85E-09	3.47E-09	0.00E+00	6.32E-09	3.21E-09	5.04E-09	0.00E+00	8.25E-09	5.38E-10	8.60E-10	0.00E+00	1.40E-09	2.35E-10	3.44E-10	0.00E+00	5.80E-10
2902	442259.3	3768210	2.88E-09	3.51E-09	0.00E+00	6.40E-09	3.25E-09	5.11E-09	0.00E+00	8.36E-09	5.45E-10	8.71E-10	0.00E+00	1.42E-09	2.38E-10	3.49E-10	0.00E+00	5.87E-10
2903	442263	3768219	2.92E-09	3.57E-09	0.00E+00	6.49E-09	3.30E-09	5.18E-09	0.00E+00	8.48E-09	5.53E-10	8.84E-10	0.00E+00	1.44E-09	2.42E-10	3.54E-10	0.00E+00	5.96E-10
2904	442266.6	3768228	2.97E-09	3.62E-09	0.00E+00	6.59E-09	3.35E-09	5.26E-09	0.00E+00	8.61E-09	5.61E-10	8.97E-10	0.00E+00	1.46E-09	2.45E-10	3.59E-10	0.00E+00	6.05E-10
2905	442270.2	3768236	3.01E-09	3.67E-09	0.00E+00	6.69E-09	3.40E-09	5.34E-09	0.00E+00	8.74E-09	5.70E-10	9.10E-10	0.00E+00	1.48E-09	2.49E-10	3.65E-10	0.00E+00	6.14E-10
2906	442273.9	3768245	3.06E-09	3.73E-09	0.00E+00	6.79E-09	3.45E-09	5.42E-09	0.00E+00	8.87E-09	5.79E-10	9.25E-10	0.00E+00	1.50E-09	2.53E-10	3.70E-10	0.00E+00	6.23E-10
2907	442277.5	3768254	3.11E-09	3.79E-09	0.00E+00	6.90E-09	3.51E-09	5.51E-09	0.00E+00	9.02E-09	5.88E-10	9.40E-10	0.00E+00	1.53E-09	2.57E-10	3.76E-10	0.00E+00	6.34E-10
2908	442281.1	3768262	3.16E-09	3.86E-09	0.00E+00	7.02E-09	3.57E-09	5.60E-09	0.00E+00	9.17E-09	5.98E-10	9.56E-10	0.00E+00	1.55E-09	2.62E-10	3.83E-10	0.00E+00	6.44E-10
2909	442284.8	3768271	3.22E-09	3.92E-09	0.00E+00	7.14E-09	3.63E-09	5.70E-09	0.00E+00	9.32E-09	6.08E-10	9.72E-10	0.00E+00	1.58E-09	2.66E-10	3.89E-10	0.00E+00	6.55E-10

2910	442288.4	3768280	3.26E-09	3.98E-09	0.00E+00	7.24E-09	3.68E-09	5.78E-09	0.00E+00	9.46E-09	6.17E-10	9.85E-10	0.00E+00	1.60E-09	2.70E-10	3.95E-10	0.00E+00	6.64E-10
2911	442292.1	3768288	3.31E-09	4.03E-09	0.00E+00	7.34E-09	3.73E-09	5.86E-09	0.00E+00	9.59E-09	6.25E-10	9.99E-10	0.00E+00	1.62E-09	2.73E-10	4.00E-10	0.00E+00	6.74E-10
2912	442295.7	3768297	3.35E-09	4.09E-09	0.00E+00	7.44E-09	3.78E-09	5.94E-09	0.00E+00	9.73E-09	6.34E-10	1.01E-09	0.00E+00	1.65E-09	2.77E-10	4.06E-10	0.00E+00	6.83E-10
2913	442299.3	3768305	3.39E-09	4.14E-09	0.00E+00	7.53E-09	3.83E-09	6.02E-09	0.00E+00	9.84E-09	6.42E-10	1.03E-09	0.00E+00	1.67E-09	2.81E-10	4.11E-10	0.00E+00	6.91E-10
2914	442303	3768314	3.43E-09	4.18E-09	0.00E+00	7.61E-09	3.87E-09	6.08E-09	0.00E+00	9.94E-09	6.48E-10	1.04E-09	0.00E+00	1.68E-09	2.84E-10	4.15E-10	0.00E+00	6.99E-10
2915	442306.6	3768323	3.46E-09	4.22E-09	0.00E+00	7.69E-09	3.91E-09	6.14E-09	0.00E+00	1.00E-08	6.55E-10	1.05E-09	0.00E+00	1.70E-09	2.86E-10	4.19E-10	0.00E+00	7.06E-10
2916	442310.2	3768331	3.50E-09	4.27E-09	0.00E+00	7.77E-09	3.95E-09	6.21E-09	0.00E+00	1.02E-08	6.62E-10	1.06E-09	0.00E+00	1.72E-09	2.90E-10	4.24E-10	0.00E+00	7.13E-10
2917	442313.9	3768340	3.56E-09	4.34E-09	0.00E+00	7.89E-09	4.01E-09	6.30E-09	0.00E+00	1.03E-08	6.72E-10	1.07E-09	0.00E+00	1.75E-09	2.94E-10	4.30E-10	0.00E+00	7.25E-10
2918	442353.9	3768435	4.47E-09	5.45E-09	0.00E+00	9.92E-09	5.04E-09	7.92E-09	0.00E+00	1.30E-08	8.45E-10	1.35E-09	0.00E+00	2.20E-09	3.70E-10	5.41E-10	0.00E+00	9.11E-10
2919	442357.5	3768444	4.56E-09	5.56E-09	0.00E+00	1.01E-08	5.14E-09	8.08E-09	0.00E+00	1.32E-08	8.62E-10	1.38E-09	0.00E+00	2.24E-09	3.77E-10	5.52E-10	0.00E+00	9.29E-10
2920	442361.2	3768452	4.65E-09	5.67E-09	0.00E+00	1.03E-08	5.24E-09	8.24E-09	0.00E+00	1.35E-08	8.79E-10	1.40E-09	0.00E+00	2.28E-09	3.84E-10	5.63E-10	0.00E+00	9.47E-10
2921	442364.8	3768461	4.74E-09	5.77E-09	0.00E+00	1.05E-08	5.34E-09	8.39E-09	0.00E+00	1.37E-08	8.95E-10	1.43E-09	0.00E+00	2.33E-09	3.92E-10	5.73E-10	0.00E+00	9.65E-10
2922	442368.4	3768469	4.82E-09	5.88E-09	0.00E+00	1.07E-08	5.44E-09	8.55E-09	0.00E+00	1.40E-08	9.12E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.84E-10	0.00E+00	9.83E-10
2923	442372.1	3768478	4.91E-09	5.99E-09	0.00E+00	1.09E-08	5.54E-09	8.71E-09	0.00E+00	1.42E-08	9.29E-10	1.48E-09	0.00E+00	2.41E-09	4.06E-10	5.95E-10	0.00E+00	1.00E-09
2924	442375.7	3768487	5.02E-09	6.11E-09	0.00E+00	1.11E-08	5.65E-09	8.89E-09	0.00E+00	1.45E-08	9.48E-10	1.52E-09	0.00E+00	2.46E-09	4.15E-10	6.07E-10	0.00E+00	1.02E-09
2925	442379.3	3768495	5.12E-09	6.24E-09	0.00E+00	1.14E-08	5.77E-09	9.07E-09	0.00E+00	1.48E-08	9.68E-10	1.55E-09	0.00E+00	2.51E-09	4.23E-10	6.20E-10	0.00E+00	1.04E-09
2926	442383	3768504	5.23E-09	6.38E-09	0.00E+00	1.16E-08	5.90E-09	9.27E-09	0.00E+00	1.52E-08	9.89E-10	1.58E-09	0.00E+00	2.57E-09	4.33E-10	6.33E-10	0.00E+00	1.07E-09
2927	442386.6	3768513	5.35E-09	6.52E-09	0.00E+00	1.19E-08	6.03E-09	9.48E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.42E-10	6.47E-10	0.00E+00	1.09E-09
2928	442390.2	3768521	5.47E-09	6.67E-09	0.00E+00	1.21E-08	6.17E-09	9.69E-09	0.00E+00	1.59E-08	1.03E-09	1.65E-09	0.00E+00	2.69E-09	4.52E-10	6.62E-10	0.00E+00	1.11E-09
2929	441496.8	3767638	3.27E-09	3.99E-09	0.00E+00	7.26E-09	3.69E-09	5.80E-09	0.00E+00	9.48E-09	6.18E-10	9.88E-10	0.00E+00	1.61E-09	2.70E-10	3.96E-10	0.00E+00	6.66E-10
2930	441487.4	3767638	3.30E-09	4.02E-09	0.00E+00	7.33E-09	3.72E-09	5.85E-09	0.00E+00	9.57E-09	6.24E-10	9.97E-10	0.00E+00	1.62E-09	2.73E-10	4.00E-10	0.00E+00	6.72E-10
2931	441478	3767638	3.33E-09	4.06E-09	0.00E+00	7.39E-09	3.76E-09	5.90E-09	0.00E+00	9.66E-09	6.30E-10	1.01E-09	0.00E+00	1.64E-09	2.75E-10	4.03E-10	0.00E+00	6.79E-10
2932	441468.6	3767638	3.36E-09	4.10E-09	0.00E+00	7.46E-09	3.79E-09	5.96E-09	0.00E+00	9.75E-09	6.36E-10	1.02E-09	0.00E+00	1.65E-09	2.78E-10	4.07E-10	0.00E+00	6.85E-10
2933	441459.2	3767638	3.39E-09	4.14E-09	0.00E+00	7.53E-09	3.83E-09	6.01E-09	0.00E+00	9.84E-09	6.42E-10	1.03E-09	0.00E+00	1.67E-09	2.81E-10	4.11E-10	0.00E+00	6.91E-10
2934	441449.8	3767638	3.43E-09	4.18E-09	0.00E+00	7.60E-09	3.86E-09	6.07E-09	0.00E+00	9.93E-09	6.48E-10	1.04E-09	0.00E+00	1.68E-09	2.83E-10	4.15E-10	0.00E+00	6.98E-10
2935	441440.4	3767638	3.46E-09	4.22E-09	0.00E+00	7.69E-09	3.90E-09	6.14E-09	0.00E+00	1.00E-08	6.55E-10	1.05E-09	0.00E+00	1.70E-09	2.86E-10	4.19E-10	0.00E+00	7.06E-10
2936	441431.1	3767638	3.50E-09	4.27E-09	0.00E+00	7.77E-09	3.95E-09	6.20E-09	0.00E+00	1.02E-08	6.62E-10	1.06E-09	0.00E+00	1.72E-09	2.89E-10	4.24E-10	0.00E+00	7.13E-10
2937	441421.7	3767638	3.54E-09	4.31E-09	0.00E+00	7.85E-09	3.99E-09	6.27E-09	0.00E+00	1.03E-08	6.69E-10	1.07E-09	0.00E+00	1.74E-09	2.93E-10	4.28E-10	0.00E+00	7.21E-10
2938	441412.3	3767638	3.57E-09	4.36E-09	0.00E+00	7.93E-09	4.03E-09	6.33E-09	0.00E+00	1.04E-08	6.75E-10	1.08E-09	0.00E+00	1.75E-09	2.95E-10	4.32E-10	0.00E+00	7.28E-10
2939	441389.3	3768548	1.81E-07	2.20E-07	0.00E+00	4.01E-07	2.04E-07	3.20E-07	0.00E+00	5.24E-07	3.42E-08	5.46E-08	0.00E+00	8.87E-08	1.49E-08	2.19E-08	0.00E+00	3.68E-08
2940	441389.3	3768558	1.94E-07	2.37E-07	0.00E+00	4.31E-07	2.19E-07	3.44E-07	0.00E+00	5.63E-07	3.67E-08	5.86E-08	0.00E+00	9.53E-08	1.60E-08	2.35E-08	0.00E+00	3.95E-08
2941	441389.2	3768567	2.07E-07	2.52E-07	0.00E+00	4.59E-07	2.33E-07	3.67E-07	0.00E+00	6.00E-07	3.91E-08	6.25E-08	0.00E+00	1.02E-07	1.71E-08	2.50E-08	0.00E+00	4.22E-08
2942	441389.2	3768577	2.21E-07	2.69E-07	0.00E+00	4.90E-07	2.49E-07	3.91E-07	0.00E+00	6.40E-07	4.17E-08	6.67E-08	0.00E+00	1.08E-07	1.82E-08	2.67E-08	0.00E+00	4.49E-08
2943	441389.1	3768587	2.37E-07	2.89E-07	0.00E+00	5.26E-07	2.67E-07	4.20E-07	0.00E+00	6.87E-07	4.48E-08	7.16E-08	0.00E+00	1.16E-07	1.96E-08	2.87E-08	0.00E+00	4.83E-08
2944	441389	3768597	2.60E-07	3.17E-07	0.00E+00	5.76E-07	2.93E-07	4.60E-07	0.00E+00	7.53E-07	4.91E-08	7.85E-08	0.00E+00	1.28E-07	2.15E-08	3.14E-08	0.00E+00	5.29E-08
2945	441389	3768607	2.95E-07	3.60E-07	0.00E+00	6.56E-07	3.33E-07	5.24E-07	0.00E+00	8.57E-07	5.59E-08	8.93E-08	0.00E+00	1.45E-07	2.44E-08	3.58E-08	0.00E+00	6.02E-08
2946	441388.9	3768617	3.56E-07	4.34E-07	0.00E+00	7.90E-07	4.01E-07	6.31E-07	0.00E+00	1.03E-06	6.73E-08	1.08E-07	0.00E+00	1.75E-07	2.94E-08	4.31E-08	0.00E+00	7.25E-08
2947	441369.3	3768548	1.55E-07	1.89E-07	0.00E+00	3.45E-07	1.75E-07	2.75E-07	0.00E+00	4.50E-07	2.94E-08	4.69E-08	0.00E+00	7.63E-08	1.28E-08	1.88E-08	0.00E+00	3.16E-08
2948	441369.3	3768557	1.69E-07	2.07E-07	0.00E+00	3.76E-07	1.91E-07	3.00E-07	0.00E+00	4.91E-07	3.20E-08	5.12E-08	0.00E+00	8.32E-08	1.40E-08	2.05E-08	0.00E+00	3.45E-08
2949	441369.2	3768567	1.86E-07	2.26E-07	0.00E+00	4.12E-07	2.09E-07	3.29E-07	0.00E+00	5.38E-07	3.51E-08	5.60E-08	0.00E+00	9.11E-08	1.53E-08	2.25E-08	0.00E+00	3.78E-08
2950	441369.2	3768577	2.02E-07	2.47E-07	0.00E+00	4.49E-07	2.28E-07	3.59E-07	0.00E+00	5.87E-07	3.82E-08	6.11E-08	0.00E+00	9.94E-08	1.67E-08	2.45E-08	0.00E+00	4.12E-08
2951	441369.1	3768587	2.23E-07	2.72E-07	0.00E+00	4.95E-07	2.51E-07	3.95E-07	0.00E+00	6.47E-07	4.22E-08	6.74E-08	0.00E+00	1.10E-07	1.84E-08	2.70E-08	0.00E+00	4.54E-08
2952	441369	3768597	2.53E-07	3.08E-07	0.00E+00	5.61E-07	2.85E-07	4.48E-07	0.00E+00	7.33E-07	4.78E-08	7.64E-08	0.00E+00	1.24E-07	2.09E-08	3.06E-08	0.00E+00	5.15E-08
2953	441369	3768607	3.00E-07	3.66E-07	0.00E+00	6.66E-07	3.38E-07	5.32E-07	0.00E+00	8.70E-07	5.67E-08	9.06E-08	0.00E+00	1.47E-07	2.48E-08	3.63E-08	0.00E+00	6.11E-08
2954	441349.4	3768538	1.30E-07	1.58E-07	0.00E+00	2.88E-07	1.46E-07	2.30E-07	0.00E+00	3.77E-07	2.46E-08	3.93E-08	0.00E+00	6.38E-08	1.07E-08	1.57E-08	0.00E+00	2.65E-08
2955	441349.3	3768547	1.42E-07	1.73E-07	0.00E+00	3.15E-07	1.60E-07	2.52E-07	0.00E+00	4.12E-07	2.69E-08	4.29E-08	0.00E+00	6.98E-08	1.18E-08	1.72E-08	0.00E+00	2.90E-08
2956	441349.3	3768557	1.57E-07	1.91E-07	0.00E+00	3.48E-07	1.77E-07	2.78E-07	0.00E+00	4.55E-07	2.97E-08	4.74E-08	0.00E+00	7.71E-08	1.30E-08	1.90E-08	0.00E+00	3.20E-08
2957	441349.2	3768567	1.75E-07	2.13E-07	0.00E+00	3.88E-07	1.97E-07	3.10E-07	0.00E+00	5.07E-07	3.31E-08	5.28E-08	0.00E+00	8.59E-08	1.45E-08	2.12E-08	0.00E+00	3.56E-08
2958	441349.2	3768577	1.95E-07	2.38E-07	0.00E+00	4.34E-07	2.20E-07	3.46E-07	0.00E+00	5.67E-07	3.70E-08	5.91E-08	0.00E+00	9.60E-08	1.62E-08	2.37E-08	0.00E+00	3.98E-08
2959	441349.1	3768587	2.22E-07	2.71E-07	0.00E+00	4.93E-07	2.50E-07	3.94E-07	0.00E+00	6.44E-07	4.20E-08	6.71E-08	0.00E+00	1.09E-07	1.84E-08	2.69E-08	0.00E+00	4.53E-08
2960	441349	3768597	2.60E-07	3.17E-07	0.00E+00	5.77E-07	2.93E-07	4.61E-07	0.00E+00	7.54E-07	4.92E-08	7.86E-08	0.00E+00	1.28E-07	2.15E-08	3.15E-08	0.00E+00	5.30E-08
2961	441349	3768607	3.15E-07	3.84E-07	0.00E+00	7.00E-07	3.55E-07	5.59E-07	0.00E+00	9.14E-07	5.96E-08	9.52E-08	0.00E+00	1.55E-07	2.61E-08	3.82E-08	0.00E+00	6.42E-08
2962	441329.3	3768547	1.34E-07	1.63E-07	0.00E+00	2.97E-07	1.51E-07	2.37E-07	0.00E+00	3.88E-07	2.53E-08	4.05E-08	0.00E+00	6.58E-08	1.11E-08	1.62E-08	0.00E+00	2.73E-08
2963	441329.3	3768557	1.49E-07	1.81E-07	0.00E+00	3.30E-07	1.68E-07	2.64E-07	0.00E+00	4.31E-07	2.81E-08	4.50E-08	0.00E+00	7.31E-08	1.23E-08	1.80E-08	0.00E+00	3.03E-08
2964	441329.2	3768567	1.67E-07	2.04E-07	0.00E+00	3.71E-07	1.89E-07	2.96E-07	0.00E+00	4.85E-07	3.16E-08	5.05E-08	0.00E+00	8.22E-08	1.38E-08	2.02E-08	0.00E+00	3.41E-08
2965	441329.2	3768577	1.90E-07	2.32E-07	0.00E+00	4.22E-07	2.14E-07	3.37E-07	0.00E+00	5.51E-07	3.59E-08	5.74E-08	0.00E+00	9.33E-08	1.57E-08	2.30E-08	0.00E+00	3.87E-08
2966	441329.1	3768587	2.20E-07	2.68E-07	0.00E+00	4.89E-07	2.48E-07	3.90E-07	0.00E+00	6.38E-07	4.16E-08	6.65E-08	0.00E+00	1.08E-07	1.82E-08	2.66E-08	0.00E+00	4.49E-08
2967	441329	3768597	2.63E-07	3.20E-07	0.00E+00	5.83E-07	2.96E-07	4.66E-07	0.00E+00	7.62E-07	4.97E-08	7.94E-08	0.00E+00	1.29E-07	2.17E-08	3.18E-08	0.00E+00	5.35E-08
2968	441329	3768607	3.20E-07	3.90E-07	0.00E+00	7.10E-07	3.60E-07	5.67E-07	0.00E+00	9.27E-07	6.04E-08	9.66E-08	0.00E+00	1.57E-07	2.64E-08	3.87E-08	0.00E+00	6.51E-08
2969	441309.4	3768537	1.17E-07	1.42E-07	0.00E+00	2.59E-07	1.31E-07	2.07E-07	0.00E+00	3.38E-07	2.20E-08	3.52E-08	0.00E+00	5.72E-08	9.64E-09	1.41E-08	0.00E+00	2.37E-08
2970	441309.3	3768547	1.29E-07	1.57E-07	0.00E+00	2.85E-07	1.45E-07	2.28E-07	0.00E+00	3.73E-07	2.43E-08	3.88E-08	0.00E+00	6.32E-08	1.06E-08	1.56E-08	0.00E+00	2.62E-08
2971	441309.3	3768557	1.44E-07	1.75E-07	0.00E+00	3.19E-07	1.62E-07	2.55E-07	0.00E+00	4.17E-07	2.72E-08	4.35E-08	0.00E+00	7.07E-08	1.19E-08	1.74E-08	0.00E+00	2.93E-08
2972	441309.2	3768567	1.63E-07	1.99E-07	0.00E+00	3.62E-07	1.84E-07	2.89E-07	0.00E+00	4.73E-07	3.08E-08	4.93E-08	0.00E+00	8.01E-08	1.35E-08	1.97E-08	0.00E+00	3.32E-08
2973	441309.2	3768577	1.85E-07	2.26E-07	0.00E+00	4.11E-07	2.09E-07	3.28E-07	0.00E+00	5.37E-07	3.50E-08	5.59E-08	0.00E+00	9.09E-08	1.53E-08	2.24E-08	0.00E+00	3.77E-08
2974	441309.1	3768587	2.13E-07	2.60E-07	0.00E+00	4.72E-07	2.40E-07	3.77E-07	0.00E+00	6.17E-07	4.02E-08	6.43E-08	0.00E+00	1.05E-07	1.76E-08	2.58E-08	0.00E+00	4.34E-08
2975	441309	3768597	2.51E-07	3.06E-07	0.00E+00	5.56E-07	2.83E-07	4.44E-07	0.00E+00	7.27E-07	4.74E-08	7.58E-08	0.00E+00	1.23E-07	2.07E-08	3.03E-08	0.00E+00	5.11E-08
2976	441309	3768607	3.03E-07	3.70E-07	0.00E+00	6.73E-07	3.42E-07	5.37E-07	0.00E+00	8.79E-07	5.73E-08	9.16E-08	0.00E+00	1.49E-07	2.51E-08	3.67E-08	0.00E+00	6.18E-08
2977	441289.4	3768537	1.13E-07	1.38E-07	0.00E+00	2.51E-07	1.27E-07	2.00E-07	0.00E+00	3.28E-07	2.14E-08	3.41E-08	0.00E+00	5.55E-08	9.34E-09	1.37E-08	0.00E+00	2.30E-08
2978	441289.3	3768547	1.25E-07	1.52E-07	0.00E+00	2.77E-07	1.41E-07	2.21E-07	0.00E+00	3.62E-07	2.36E-08	3.77E-08	0.00E+00	6.13E-08	1.03E-08	1.51E-08	0.00E+00	2.54E-08
2979	441289.3	3768557	1.40E-07	1.71E-07	0.00E+00	3.11E-07	1.58E-07	2.48E-07	0.00E+00	4.06E-07	2.65E-08	4.23E-08	0.00E+00	6.88E-08	1.16E-08	1.69E-08	0.00E+00	2.85E-08
2980	441289.2	3768567	1.59E-07	1.94E-07	0.00E+00	3.52E-07	1.79E-07	2.81E-07	0.00E+00	4.60E-07	3.00E-08	4.80E-08	0.00E+00	7.80E-08	1.31E-08	1.92E-08	0.00E+00	3.24E-08
2981	441289.2	3768577	1.80E-07	2.20E-07	0.00E+00	4.00E-07	2.03E-07	3.19E-07	0.00E+00	5.22E-07	3.40E-08	5.44E-08	0.00E+00	8.85E-08	1.49E-08	2.18E-08	0.00E+00	3.67E-08
2982	441289.1	3768587	2.06E-07	2.51E-07	0.00E+00	4.57E-07	2.32E-07	3.65E-07	0.00E+00	5.97E-07	3.89E-08	6.22E-08	0.00E+00	1.01E-07	1.70E-08	2.49E-08	0.00E+00	4.20E-08
2983	441289	3768597	2.40E-07	2.93E-07	0.00E+00	5.33E-07	2.71E-07	4.26E-07	0.00E+00	6.97E-07	4.54E-08	7.26E-08	0.00E+00	1.18E-07	1.99E-08	2.91E-08	0.00E+00	4.90E-08
2984	441289	3768606	2.87E-07	3.49E-07	0.00E+00	6.36E-07	3.23E-07	5.08E-07	0.00E+00	8.31E-07	5.42E-08	8.66E-08	0.00E+00	1.41E-07	2.37E-08	3.47E-08	0.00E+00	5.84E-08
2985	441400.8	3768402	4.00E-08	4.88E-08	0.00E+00	8.88E-08	4.51E-08	7.09E-08	0.00E+00	1.16E-07	7.56E-09	1.21E-08	0.00E+00	1.97E-08	3.31E-09	4.84E-09	0.00E+00	8.15E-09
2986	441269.4	3768537	1.10E-07	1.34E-07	0.00E+00	2.44E-07	1.24E-07	1.95E-07	0.00E+00	3.19E-07	2.08E-08	3.32E-08	0.00E+00	5.40E-08	9.08E-09	1.33E-08	0.00E+00	2.24E-08
2987	441269.3	3768547	1.21E-07	1.48E-07	0.00E+00	2.69E-07	1.37E-07	2.15E-07	0.00E+00	3.52E-07	2.29E-08	3.66E-08	0.00E+00	5.95E-08	1.00E-08	1.47E-08	0.00E+00	2.47E-08
2988	441269.3	3768557	1.35E-07	1.65E-07	0.00E+00	3.00E-07	1.53E-07	2.40E-07	0.00E+00	3.92E-07	2.56E-08	4.09E-08	0.00E+00	6.65E-08	1.12E-08	1.64E-08	0.00E+00	2.76E-08
2989	441269.2	3768567	1.53E-07	1.86E-07	0.00E+00	3.39E-07	1.72E-07	2.71E-07	0.00E+00	4.43E-07	2.89E-08	4.61E-08	0.00E+00	7.50E-08	1.26E-08	1.85E-08	0.00E+00	3.11E-08
2990	441269.2	3768577	1.72E-07	2.10E-07	0.00E+00	3.83E-07	1.94E-07	3.06E-07	0.00E+00	5.00E-07	3.26E-08	5.21E-08	0.00E+00	8.47E-08	1.43E-08	2.09E-08	0.00E+00	3.51E-08
2991	441269.1	3768587	1.97E-07	2.40E-07	0.00E+00	4.36E-07	2.21E-07	3.48E-07	0.00E+00	5.70E-07	3.71E-08	5.94E-08	0.00E+00	9.65E-08	1.62E-08	2.38E-08	0.00E+00	4.00E-08
2992	441269	3768596	2.28E-07	2.78E-07	0.00E+00	5.06E-07	2.57E-07	4.04E-07	0.00E+00	6.61E-07	4.31E-08	6.88E-08	0.00E+00	1.12E-07	1.88E-08	2.76E-08	0.00E+00	4.64E-08
2993	441269	3768606	2.66E-07	3.25E-07	0.00E+00	5.91E-07	3.00E-07	4.72E-07	0.00E+00	7.72E-07	5.04E-08	8.05E-08	0.00E+00	1.31E-07	2.20E-08	3.22E-08	0.00E+00	5.43E-08
2994	441256.7	3768520	9.27E-08	1.13E-07	0.00E+00	2.06E-07	1.04E-07	1.64E-07	0.00E+00	2.69E-07	1.75E-08	2.80E-08	0.00E+00	4.55E-08	7.66E-09	1.12E-08	0.00E+00	1.89E-08
2995	441401.2	3768381	3.48E-08	4.25E-08	0.00E+00	7.73E-08	3.93E-08	6.17E-08	0.00E+00	1.01E-07	6.59E-09	1.05E-08	0.00E+00	1.71E-08	2.88E-09	4.22E-09	0.00E+00	7.10E-09
2996	441400.9	3768362	3.07E-08	3.74E-08	0.00E+00	6.80E-08	3.46E-08	5.43E-08	0.00E+00	8.89E-08	5.80E-09	9.26E-09	0.00E+00	1.51E-08	2.54E-09	3.71E-09	0.00E+00	6.25E-09
2997	441229.4	3768537	9.82E-08	1.20E-07	0.00E+00	2.18E-07	1.11E-07	1.74E-07	0.00E+00	2.85E-07	1.86E-08	2.97E-08	0.00E+00	4.82E-08	8.12E-09	1.19E-08	0.00E+00	2.00E-08
2998	441229.3	3768547	1.06E-07	1.30E-07	0.00E+00	2.36E-07	1.20E-07	1.88E-07	0.00E+00	3.08E-07	2.01E-08	3.21E-08	0.00E+00	5.22E-08	8.79E-09	1.29E-08	0.00E+00	2.16E-08
2999	441229.3	3768557	1.15E-07	1.41E-07	0.00E+00	2.56E-07	1.30E-07	2.05E-07	0.00E+00	3.35E-07	2.18E-08	3.49E-08	0.00E+00	5.67E-08	9.55E-09	1.40E-08	0.00E+00	2.35E-08
3000	441229.2	3768566	1.26E-07	1.53E-07	0.00E+00	2.79E-07	1.42E-07	2.23E-07	0.00E+00	3.65E-07	2.38E-08	3.80E-08	0.00E+00	6.18E-08	1.04E-08	1.52E-08	0.00E+00	2.56E-08
3001	441229.2	3768576	1.37E-07	1.67E-07	0.00E+00	3.04E-07	1.55E-07	2.43E-07	0.00E+00	3.98E-07	2.59E-08	4.14E-08	0.00E+00	6.74E-08	1.13E-08	1.66E-08	0.00E+00	2.79E-08
3002	441229.1	3768586	1.50E-07	1.82E-07	0.00E+00	3.32E-07	1.69E-07	2.65E-07	0.00E+00	4.34E-07	2.83E-08	4.52E-08	0.00E+00	7.35E-08	1.24E-08	1.81E-08	0.00E+00	3.05E-08
3003	441229	3768596	1.63E-07	1.99E-07	0.00E+00	3.62E-07	1.84E-07	2.89E-07	0.00E+00	4.73E-07	3.08E-08	4.93E-08	0.00E+00	8.01E-08	1.35E-08	1.97E-08	0.00E+00	3.32E-08
3004	441229	3768606	1.76E-07	2.14E-07	0.00E+00	3.90E-07	1.98E-07	3.11E-07	0.00E+00	5.10E-07	3.32E-08	5.31E-08	0.00E+00	8.63E-08	1.45E-08	2.13E-08	0.00E+00	3.58E-08
3005	441228.9	3768616	1.86E-07	2.27E-07	0.00E+00	4.13E-07	2.10E-07	3.30E-07	0.00E+00	5.39E-07	3.52E-08	5.62E-08	0.00E+00	9.13E-08	1.54E-08	2.25E-08	0.00E+00	3.79E-08
3006	441228.9	3768626	1.93E-07	2.36E-07	0.00E+00	4.29E-07	2.18E-07	3.43E-07	0.00E+00	5.60E-07	3.65E-08	5.84E-08	0.00E+00	9.49E-08	1.60E-08	2.34E-08	0.00E+00	3.94E-08
3007	441220.5	3768510	7.83E-08	9.54E-08	0.00E+00	1.74E-07	8.82E-08	1.39E-07	0.00E+00	2.27E-07	1.48E-08	2.36E-08	0.00E+00	3.84E-08	6.47E-09	9.47E-09	0.00E+00	1.59E-08
3008	441224.2	3768501	7.52E-08	9.16E-08	0.00E+00	1.67E-07	8.47E-08	1.33E-07	0.00E+00	2.18E-07	1.42E-08	2.27E-08	0.00E+00	3.69E-08	6.21E-09	9.10E-09	0.00E+00	1.53E-08
3009	441227.9	3768493	7.21E-08	8.79E-08	0.00E+00	1.60E-07	8.13E-08	1.28E-07	0.00E+00	2.09E-07	1.36E-08	2.18E-08	0.00E+00	3.54E-08	5.96E-09	8.73E-09	0.00E+00	1.47E-08
3010	441231.6	3768484	6.91E-08	8.43E-08	0.00E+00	1.53E-07	7.79E-08	1.23E-07	0.00E+00	2.00E-07	1.31E-08	2.09E-08	0.00E+00	3.40E-08	5.72E-09	8.37E-09	0.00E+00	1.41E-08
3011	441401.2	3768341	2.72E-08	3.32E-08	0.00E+00	6.04E-08	3.07E-08	4.83E-08	0.00E+00	7.89E-08	5.15E-09	8.23E-09	0.00E+00	1.34E-08	2.25E-09	3.30E-09	0.00E+00	5.55E-09
3012	441209.4	3768537	8.96E-08	1.09E-07	0.00E+00	1.99E-07	1.01E-07	1.59E-07	0.00E+00	2.60E-07	1.69E-08	2.71E-08	0.00E+00	4.40E-08	7.41E-09	1.08E-08	0.00E+00	1.83E-08
3013	441209.3	3768547	9.58E-08	1.17E-07	0.00E+00	2.12E-07	1.08E-07	1.70E-07	0.00E+00	2.78E-07	1.81E-08	2.89E-08	0.00E+00	4.70E-08	7.92E-09	1.16E-08	0.00E+00	1.95E-08
3014	441209.3	3768556	1.02E-07	1.25E-07	0.00E+00	2.27E-07	1.15E-07	1.81E-07	0.00E+00	2.97E-07	1.94E-08	3.09E-08	0.00E+00	5.03E-08	8.47E-09	1.24E-08	0.00E+00	2.09E-08
3015	441209.2	3768566	1.09E-07	1.33E-07	0.00E+00	2.43E-07	1.23E-07	1.94E-07	0.00E+00	3.17E-07	2.07E-08	3.31E-08	0.00E+00	5.38E-08	9.05E-09	1.32E-08	0.00E+00	2.23E-08
3016	441209.2	3768576	1.17E-07	1.42E-07	0.00E+00	2.59E-07	1.31E-07	2.07E-07	0.00E+00	3.38E-07	2.20E-08	3.52E-08	0.00E+00	5.73E-08	9.64E-09	1.41E-08	0.00E+00	2.37E-08
3017	441209.1	3768586	1.24E-07	1.51E-07	0.00E+00	2.74E-07	1.39E-07	2.19E-07	0.00E+00	3.58E-07	2.34E-08	3.73E-08	0.00E+00	6.07E-08	1.02E-08	1.50E-08	0.00E+00	2.52E-08
3018	441209	3768596	1.30E-07	1.59E-07	0.00E+00	2.89E-07	1.47E-07	2.31E-07	0.00E+00	3.78E-07	2.47E-08	3.94E-08	0.00E+00	6.41E-08	1.08E-08	1.58E-08	0.00E+00	2.66E-08
3019	441209	3768606	1.36E-07	1.66E-07	0.00E+00	3.02E-07	1.53E-07	2.41E-07	0.00E+00	3.94E-07	2.57E-08	4.11E-08	0.00E+00	6.68E-08	1.12E-08	1.65E-08	0.00E+00	2.77E-08
3020	441208.9	3768616	1.40E-07	1.71E-07	0.00E+00	3.11E-07	1.58E-07	2.48E-07	0.00E+00	4.06E-07	2.65E-08	4.23E-08	0.00E+00	6.88E-08	1.16E-08	1.69E-08	0.00E+00	2.85E-08
3021	441208.9	3768626	1.43E-07	1.74E-07	0.00E+00	3.16E-07	1.61E-07	2.53E-07	0.00E+00	4.13E-07	2.70E-08	4.31E-08	0.00E+00	7.00E-08	1.18E-08	1.73E-08	0.00E+00	2.90E-08

3022	441200.9	3768509	7.28E-08	8.88E-08	0.00E+00	1.62E-07	8.21E-08	1.29E-07	0.00E+00	2.11E-07	1.38E-08	2.20E-08	0.00E+00	3.58E-08	6.02E-09	8.81E-09	0.00E+00	1.48E-08
3023	441204.7	3768500	7.03E-08	8.57E-08	0.00E+00	1.56E-07	7.93E-08	1.25E-07	0.00E+00	2.04E-07	1.33E-08	2.12E-08	0.00E+00	3.45E-08	5.82E-09	8.51E-09	0.00E+00	1.43E-08
3024	441208.6	3768491	6.77E-08	8.26E-08	0.00E+00	1.50E-07	7.64E-08	1.20E-07	0.00E+00	1.96E-07	1.28E-08	2.05E-08	0.00E+00	3.33E-08	5.60E-09	8.20E-09	0.00E+00	1.38E-08
3025	441212.4	3768482	6.52E-08	7.95E-08	0.00E+00	1.45E-07	7.35E-08	1.16E-07	0.00E+00	1.89E-07	1.23E-08	1.97E-08	0.00E+00	3.20E-08	5.39E-09	7.89E-09	0.00E+00	1.33E-08
3026	441400.9	3768322	2.44E-08	2.97E-08	0.00E+00	5.41E-08	2.75E-08	4.32E-08	0.00E+00	7.07E-08	4.61E-09	7.37E-09	0.00E+00	1.20E-08	2.02E-09	2.95E-09	0.00E+00	4.97E-09
3027	441189.4	3768537	8.07E-08	9.84E-08	0.00E+00	1.79E-07	9.10E-08	1.43E-07	0.00E+00	2.34E-07	1.53E-08	2.44E-08	0.00E+00	3.96E-08	6.67E-09	9.77E-09	0.00E+00	1.64E-08
3028	441189.3	3768546	8.50E-08	1.04E-07	0.00E+00	1.89E-07	9.58E-08	1.51E-07	0.00E+00	2.46E-07	1.61E-08	2.57E-08	0.00E+00	4.17E-08	7.03E-09	1.03E-08	0.00E+00	1.73E-08
3029	441189.3	3768556	8.93E-08	1.09E-07	0.00E+00	1.98E-07	1.01E-07	1.58E-07	0.00E+00	2.59E-07	1.69E-08	2.70E-08	0.00E+00	4.39E-08	7.39E-09	1.08E-08	0.00E+00	1.82E-08
3030	441189.2	3768566	9.37E-08	1.14E-07	0.00E+00	2.08E-07	1.06E-07	1.66E-07	0.00E+00	2.72E-07	1.77E-08	2.83E-08	0.00E+00	4.60E-08	7.75E-09	1.13E-08	0.00E+00	1.91E-08
3031	441189.2	3768576	9.80E-08	1.19E-07	0.00E+00	2.17E-07	1.10E-07	1.74E-07	0.00E+00	2.84E-07	1.85E-08	2.96E-08	0.00E+00	4.81E-08	8.10E-09	1.19E-08	0.00E+00	2.00E-08
3032	441189.1	3768586	1.02E-07	1.24E-07	0.00E+00	2.26E-07	1.15E-07	1.81E-07	0.00E+00	2.96E-07	1.93E-08	3.08E-08	0.00E+00	5.01E-08	8.43E-09	1.23E-08	0.00E+00	2.08E-08
3033	441189	3768596	1.06E-07	1.29E-07	0.00E+00	2.34E-07	1.19E-07	1.87E-07	0.00E+00	3.06E-07	2.00E-08	3.19E-08	0.00E+00	5.19E-08	8.73E-09	1.28E-08	0.00E+00	2.15E-08
3034	441189	3768606	1.08E-07	1.32E-07	0.00E+00	2.41E-07	1.22E-07	1.92E-07	0.00E+00	3.14E-07	2.05E-08	3.28E-08	0.00E+00	5.33E-08	8.97E-09	1.31E-08	0.00E+00	2.21E-08
3035	441188.9	3768616	1.10E-07	1.35E-07	0.00E+00	2.45E-07	1.24E-07	1.96E-07	0.00E+00	3.20E-07	2.09E-08	3.33E-08	0.00E+00	5.42E-08	9.13E-09	1.34E-08	0.00E+00	2.25E-08
3036	441188.9	3768626	1.12E-07	1.36E-07	0.00E+00	2.48E-07	1.26E-07	1.98E-07	0.00E+00	3.24E-07	2.11E-08	3.37E-08	0.00E+00	5.48E-08	9.23E-09	1.35E-08	0.00E+00	2.27E-08
3037	441180.6	3768510	6.77E-08	8.25E-08	0.00E+00	1.50E-07	7.63E-08	1.20E-07	0.00E+00	1.96E-07	1.28E-08	2.04E-08	0.00E+00	3.32E-08	5.59E-09	8.19E-09	0.00E+00	1.38E-08
3038	441184.4	3768501	6.61E-08	8.06E-08	0.00E+00	1.47E-07	7.45E-08	1.17E-07	0.00E+00	1.92E-07	1.25E-08	2.00E-08	0.00E+00	3.25E-08	5.47E-09	8.00E-09	0.00E+00	1.35E-08
3039	441188.1	3768492	6.44E-08	7.85E-08	0.00E+00	1.43E-07	7.25E-08	1.14E-07	0.00E+00	1.87E-07	1.22E-08	1.94E-08	0.00E+00	3.16E-08	5.32E-09	7.79E-09	0.00E+00	1.31E-08
3040	441191.8	3768483	6.25E-08	7.62E-08	0.00E+00	1.39E-07	7.04E-08	1.11E-07	0.00E+00	1.81E-07	1.18E-08	1.89E-08	0.00E+00	3.07E-08	5.17E-09	7.56E-09	0.00E+00	1.27E-08
3041	441401.2	3768302	2.19E-08	2.67E-08	0.00E+00	4.86E-08	2.47E-08	3.88E-08	0.00E+00	6.34E-08	4.14E-09	6.61E-09	0.00E+00	1.07E-08	1.81E-09	2.65E-09	0.00E+00	4.46E-09
3042	441169.4	3768536	7.21E-08	8.79E-08	0.00E+00	1.60E-07	8.13E-08	1.28E-07	0.00E+00	2.09E-07	1.36E-08	2.18E-08	0.00E+00	3.54E-08	5.96E-09	8.73E-09	0.00E+00	1.47E-08
3043	441169.3	3768546	7.49E-08	9.13E-08	0.00E+00	1.66E-07	8.44E-08	1.33E-07	0.00E+00	2.17E-07	1.42E-08	2.26E-08	0.00E+00	3.68E-08	6.19E-09	9.07E-09	0.00E+00	1.53E-08
3044	441169.3	3768556	7.77E-08	9.47E-08	0.00E+00	1.72E-07	8.75E-08	1.38E-07	0.00E+00	2.25E-07	1.47E-08	2.35E-08	0.00E+00	3.81E-08	6.42E-09	9.40E-09	0.00E+00	1.58E-08
3045	441169.2	3768566	8.03E-08	9.79E-08	0.00E+00	1.78E-07	9.05E-08	1.42E-07	0.00E+00	2.33E-07	1.52E-08	2.43E-08	0.00E+00	3.94E-08	6.64E-09	9.72E-09	0.00E+00	1.64E-08
3046	441169.2	3768576	8.29E-08	1.01E-07	0.00E+00	1.84E-07	9.34E-08	1.47E-07	0.00E+00	2.40E-07	1.57E-08	2.50E-08	0.00E+00	4.07E-08	6.85E-09	1.00E-08	0.00E+00	1.69E-08
3047	441169.1	3768586	8.53E-08	1.04E-07	0.00E+00	1.89E-07	9.61E-08	1.51E-07	0.00E+00	2.47E-07	1.61E-08	2.58E-08	0.00E+00	4.19E-08	7.05E-09	1.03E-08	0.00E+00	1.74E-08
3048	441169	3768596	8.74E-08	1.06E-07	0.00E+00	1.94E-07	9.85E-08	1.55E-07	0.00E+00	2.53E-07	1.65E-08	2.64E-08	0.00E+00	4.29E-08	7.22E-09	1.06E-08	0.00E+00	1.78E-08
3049	441169	3768606	8.88E-08	1.08E-07	0.00E+00	1.97E-07	1.00E-07	1.57E-07	0.00E+00	2.58E-07	1.68E-08	2.68E-08	0.00E+00	4.36E-08	7.34E-09	1.07E-08	0.00E+00	1.81E-08
3050	441168.9	3768616	8.97E-08	1.09E-07	0.00E+00	1.99E-07	1.01E-07	1.59E-07	0.00E+00	2.60E-07	1.70E-08	2.71E-08	0.00E+00	4.40E-08	7.42E-09	1.09E-08	0.00E+00	1.83E-08
3051	441168.9	3768626	9.01E-08	1.10E-07	0.00E+00	2.00E-07	1.02E-07	1.60E-07	0.00E+00	2.61E-07	1.70E-08	2.72E-08	0.00E+00	4.42E-08	7.45E-09	1.09E-08	0.00E+00	1.83E-08
3052	441160.4	3768510	6.21E-08	7.58E-08	0.00E+00	1.38E-07	7.00E-08	1.10E-07	0.00E+00	1.80E-07	1.17E-08	1.88E-08	0.00E+00	3.05E-08	5.14E-09	7.52E-09	0.00E+00	1.27E-08
3053	441164.1	3768501	6.12E-08	7.46E-08	0.00E+00	1.36E-07	6.90E-08	1.08E-07	0.00E+00	1.77E-07	1.16E-08	1.85E-08	0.00E+00	3.01E-08	5.06E-09	7.41E-09	0.00E+00	1.25E-08
3054	441167.7	3768493	6.01E-08	7.33E-08	0.00E+00	1.33E-07	6.78E-08	1.07E-07	0.00E+00	1.74E-07	1.14E-08	1.82E-08	0.00E+00	2.95E-08	4.97E-09	7.28E-09	0.00E+00	1.23E-08
3055	441171.4	3768484	5.89E-08	7.18E-08	0.00E+00	1.31E-07	6.64E-08	1.04E-07	0.00E+00	1.71E-07	1.11E-08	1.78E-08	0.00E+00	2.89E-08	4.87E-09	7.13E-09	0.00E+00	1.20E-08
3056	441401.5	3768281	1.98E-08	2.42E-08	0.00E+00	4.40E-08	2.23E-08	3.51E-08	0.00E+00	5.74E-08	3.75E-09	5.99E-09	0.00E+00	9.73E-09	1.64E-09	2.40E-09	0.00E+00	4.04E-09
3057	441149.4	3768536	6.41E-08	7.82E-08	0.00E+00	1.42E-07	7.23E-08	1.14E-07	0.00E+00	1.86E-07	1.21E-08	1.94E-08	0.00E+00	3.15E-08	5.30E-09	7.76E-09	0.00E+00	1.31E-08
3058	441149.3	3768546	6.59E-08	8.03E-08	0.00E+00	1.46E-07	7.43E-08	1.17E-07	0.00E+00	1.91E-07	1.25E-08	1.99E-08	0.00E+00	3.24E-08	5.45E-09	7.98E-09	0.00E+00	1.34E-08
3059	441149.3	3768556	6.76E-08	8.24E-08	0.00E+00	1.50E-07	7.61E-08	1.20E-07	0.00E+00	1.96E-07	1.28E-08	2.04E-08	0.00E+00	3.32E-08	5.59E-09	8.18E-09	0.00E+00	1.38E-08
3060	441149.2	3768566	6.91E-08	8.42E-08	0.00E+00	1.53E-07	7.78E-08	1.22E-07	0.00E+00	2.00E-07	1.31E-08	2.09E-08	0.00E+00	3.39E-08	5.71E-09	8.36E-09	0.00E+00	1.41E-08
3061	441149.2	3768576	7.06E-08	8.61E-08	0.00E+00	1.57E-07	7.96E-08	1.25E-07	0.00E+00	2.05E-07	1.34E-08	2.13E-08	0.00E+00	3.47E-08	5.84E-09	8.55E-09	0.00E+00	1.44E-08
3062	441149.1	3768586	7.22E-08	8.80E-08	0.00E+00	1.60E-07	8.14E-08	1.28E-07	0.00E+00	2.09E-07	1.36E-08	2.18E-08	0.00E+00	3.55E-08	5.97E-09	8.74E-09	0.00E+00	1.47E-08
3063	441149	3768596	7.34E-08	8.95E-08	0.00E+00	1.63E-07	8.28E-08	1.30E-07	0.00E+00	2.13E-07	1.39E-08	2.22E-08	0.00E+00	3.61E-08	6.07E-09	8.89E-09	0.00E+00	1.50E-08
3064	441149	3768606	7.41E-08	9.04E-08	0.00E+00	1.65E-07	8.36E-08	1.31E-07	0.00E+00	2.15E-07	1.40E-08	2.24E-08	0.00E+00	3.64E-08	6.13E-09	8.97E-09	0.00E+00	1.51E-08
3065	441148.9	3768616	7.44E-08	9.07E-08	0.00E+00	1.65E-07	8.38E-08	1.32E-07	0.00E+00	2.16E-07	1.41E-08	2.25E-08	0.00E+00	3.65E-08	6.15E-09	9.00E-09	0.00E+00	1.52E-08
3066	441148.9	3768625	7.43E-08	9.06E-08	0.00E+00	1.65E-07	8.37E-08	1.32E-07	0.00E+00	2.15E-07	1.40E-08	2.24E-08	0.00E+00	3.65E-08	6.14E-09	8.99E-09	0.00E+00	1.51E-08
3067	441140.7	3768509	5.64E-08	6.88E-08	0.00E+00	1.25E-07	6.36E-08	1.00E-07	0.00E+00	1.64E-07	1.07E-08	1.70E-08	0.00E+00	2.77E-08	4.66E-09	6.83E-09	0.00E+00	1.15E-08
3068	441144.5	3768500	5.59E-08	6.82E-08	0.00E+00	1.24E-07	6.31E-08	9.91E-08	0.00E+00	1.62E-07	1.06E-08	1.69E-08	0.00E+00	2.75E-08	4.63E-09	6.77E-09	0.00E+00	1.14E-08
3069	441148.2	3768491	5.53E-08	6.75E-08	0.00E+00	1.23E-07	6.24E-08	9.81E-08	0.00E+00	1.60E-07	1.05E-08	1.67E-08	0.00E+00	2.72E-08	4.58E-09	6.70E-09	0.00E+00	1.13E-08
3070	441152	3768482	5.45E-08	6.65E-08	0.00E+00	1.21E-07	6.15E-08	9.66E-08	0.00E+00	1.58E-07	1.03E-08	1.65E-08	0.00E+00	2.68E-08	4.51E-09	6.60E-09	0.00E+00	1.11E-08
3071	441401.3	3768262	1.81E-08	2.20E-08	0.00E+00	4.01E-08	2.04E-08	3.20E-08	0.00E+00	5.24E-08	3.42E-09	5.46E-09	0.00E+00	8.88E-09	1.49E-09	2.19E-09	0.00E+00	3.68E-09
3072	441129.4	3768536	5.69E-08	6.94E-08	0.00E+00	1.26E-07	6.42E-08	1.01E-07	0.00E+00	1.65E-07	1.08E-08	1.72E-08	0.00E+00	2.80E-08	4.71E-09	6.89E-09	0.00E+00	1.16E-08
3073	441129.3	3768546	5.80E-08	7.08E-08	0.00E+00	1.29E-07	6.54E-08	1.03E-07	0.00E+00	1.68E-07	1.10E-08	1.75E-08	0.00E+00	2.85E-08	4.80E-09	7.02E-09	0.00E+00	1.18E-08
3074	441129.3	3768556	5.90E-08	7.19E-08	0.00E+00	1.31E-07	6.65E-08	1.04E-07	0.00E+00	1.71E-07	1.11E-08	1.78E-08	0.00E+00	2.90E-08	4.88E-09	7.14E-09	0.00E+00	1.20E-08
3075	441129.2	3768566	5.97E-08	7.28E-08	0.00E+00	1.33E-07	6.73E-08	1.06E-07	0.00E+00	1.73E-07	1.13E-08	1.80E-08	0.00E+00	2.93E-08	4.94E-09	7.23E-09	0.00E+00	1.22E-08
3076	441129.2	3768576	6.05E-08	7.38E-08	0.00E+00	1.34E-07	6.82E-08	1.07E-07	0.00E+00	1.76E-07	1.14E-08	1.83E-08	0.00E+00	2.97E-08	5.01E-09	7.33E-09	0.00E+00	1.23E-08
3077	441129.1	3768586	6.13E-08	7.48E-08	0.00E+00	1.36E-07	6.91E-08	1.09E-07	0.00E+00	1.78E-07	1.16E-08	1.85E-08	0.00E+00	3.01E-08	5.07E-09	7.42E-09	0.00E+00	1.25E-08
3078	441129	3768596	6.19E-08	7.55E-08	0.00E+00	1.37E-07	6.98E-08	1.10E-07	0.00E+00	1.80E-07	1.17E-08	1.87E-08	0.00E+00	3.04E-08	5.12E-09	7.49E-09	0.00E+00	1.26E-08
3079	441129	3768605	6.23E-08	7.59E-08	0.00E+00	1.38E-07	7.02E-08	1.10E-07	0.00E+00	1.81E-07	1.18E-08	1.88E-08	0.00E+00	3.06E-08	5.15E-09	7.54E-09	0.00E+00	1.27E-08
3080	441128.9	3768615	6.24E-08	7.61E-08	0.00E+00	1.38E-07	7.03E-08	1.11E-07	0.00E+00	1.81E-07	1.18E-08	1.89E-08	0.00E+00	3.06E-08	5.16E-09	7.55E-09	0.00E+00	1.27E-08
3081	441128.9	3768625	6.22E-08	7.59E-08	0.00E+00	1.38E-07	7.02E-08	1.10E-07	0.00E+00	1.80E-07	1.18E-08	1.88E-08	0.00E+00	3.06E-08	5.15E-09	7.53E-09	0.00E+00	1.27E-08
3082	441120.5	3768510	5.10E-08	6.21E-08	0.00E+00	1.13E-07	5.74E-08	9.03E-08	0.00E+00	1.48E-07	9.63E-09	1.54E-08	0.00E+00	2.50E-08	4.21E-09	6.17E-09	0.00E+00	1.04E-08
3083	441124.2	3768501	5.08E-08	6.19E-08	0.00E+00	1.13E-07	5.72E-08	9.00E-08	0.00E+00	1.47E-07	9.60E-09	1.53E-08	0.00E+00	2.49E-08	4.20E-09	6.14E-09	0.00E+00	1.03E-08
3084	441127.9	3768492	5.05E-08	6.15E-08	0.00E+00	1.12E-07	5.69E-08	8.94E-08	0.00E+00	1.46E-07	9.54E-09	1.52E-08	0.00E+00	2.48E-08	4.17E-09	6.11E-09	0.00E+00	1.03E-08
3085	441131.6	3768483	5.00E-08	6.10E-08	0.00E+00	1.11E-07	5.64E-08	8.86E-08	0.00E+00	1.45E-07	9.46E-09	1.51E-08	0.00E+00	2.46E-08	4.14E-09	6.05E-09	0.00E+00	1.02E-08
3086	441401.5	3768241	1.66E-08	2.02E-08	0.00E+00	3.67E-08	1.87E-08	2.93E-08	0.00E+00	4.80E-08	3.13E-09	5.00E-09	0.00E+00	8.13E-09	1.37E-09	2.00E-09	0.00E+00	3.37E-09
3087	441109.4	3768536	5.05E-08	6.15E-08	0.00E+00	1.12E-07	5.69E-08	8.95E-08	0.00E+00	1.46E-07	9.54E-09	1.53E-08	0.00E+00	2.48E-08	4.17E-09	6.11E-09	0.00E+00	1.03E-08
3088	441109.3	3768546	5.12E-08	6.24E-08	0.00E+00	1.14E-07	5.77E-08	9.07E-08	0.00E+00	1.48E-07	9.67E-09	1.55E-08	0.00E+00	2.51E-08	4.23E-09	6.19E-09	0.00E+00	1.04E-08
3089	441109.3	3768556	5.17E-08	6.30E-08	0.00E+00	1.15E-07	5.83E-08	9.16E-08	0.00E+00	1.50E-07	9.77E-09	1.56E-08	0.00E+00	2.54E-08	4.27E-09	6.26E-09	0.00E+00	1.05E-08
3090	441109.2	3768566	5.21E-08	6.35E-08	0.00E+00	1.16E-07	5.87E-08	9.23E-08	0.00E+00	1.51E-07	9.85E-09	1.57E-08	0.00E+00	2.56E-08	4.31E-09	6.31E-09	0.00E+00	1.06E-08
3091	441109.2	3768576	5.25E-08	6.40E-08	0.00E+00	1.17E-07	5.92E-08	9.31E-08	0.00E+00	1.52E-07	9.93E-09	1.59E-08	0.00E+00	2.58E-08	4.34E-09	6.36E-09	0.00E+00	1.07E-08
3092	441109.1	3768586	5.29E-08	6.45E-08	0.00E+00	1.17E-07	5.96E-08	9.37E-08	0.00E+00	1.53E-07	1.00E-08	1.60E-08	0.00E+00	2.60E-08	4.37E-09	6.40E-09	0.00E+00	1.08E-08
3093	441109	3768595	5.31E-08	6.47E-08	0.00E+00	1.18E-07	5.98E-08	9.41E-08	0.00E+00	1.54E-07	1.00E-08	1.60E-08	0.00E+00	2.61E-08	4.39E-09	6.43E-09	0.00E+00	1.08E-08
3094	441109	3768605	5.32E-08	6.48E-08	0.00E+00	1.18E-07	5.99E-08	9.42E-08	0.00E+00	1.54E-07	1.01E-08	1.61E-08	0.00E+00	2.61E-08	4.40E-09	6.44E-09	0.00E+00	1.08E-08
3095	441108.9	3768615	5.31E-08	6.48E-08	0.00E+00	1.18E-07	5.99E-08	9.41E-08	0.00E+00	1.54E-07	1.00E-08	1.60E-08	0.00E+00	2.61E-08	4.39E-09	6.43E-09	0.00E+00	1.08E-08
3096	441108.9	3768625	5.29E-08	6.44E-08	0.00E+00	1.17E-07	5.96E-08	9.37E-08	0.00E+00	1.53E-07	9.99E-09	1.60E-08	0.00E+00	2.60E-08	4.37E-09	6.40E-09	0.00E+00	1.08E-08
3097	441076.9	3768518	4.08E-08	4.97E-08	0.00E+00	9.05E-08	4.60E-08	7.23E-08	0.00E+00	1.18E-07	7.71E-09	1.23E-08	0.00E+00	2.00E-08	3.37E-09	4.94E-09	0.00E+00	8.31E-09
3098	441080.6	3768509	4.11E-08	5.01E-08	0.00E+00	9.13E-08	4.64E-08	7.29E-08	0.00E+00	1.19E-07	7.78E-09	1.24E-08	0.00E+00	2.02E-08	3.40E-09	4.98E-09	0.00E+00	8.38E-09
3099	441084.3	3768500	4.14E-08	5.04E-08	0.00E+00	9.18E-08	4.66E-08	7.33E-08	0.00E+00	1.20E-07	7.82E-09	1.25E-08	0.00E+00	2.03E-08	3.42E-09	5.00E-09	0.00E+00	8.42E-09
3100	441088	3768491	4.15E-08	5.06E-08	0.00E+00	9.20E-08	4.67E-08	7.35E-08	0.00E+00	1.20E-07	7.84E-09	1.25E-08	0.00E+00	2.04E-08	3.43E-09	5.02E-09	0.00E+00	8.45E-09
3101	441091.8	3768483	4.15E-08	5.06E-08	0.00E+00	9.21E-08	4.68E-08	7.35E-08	0.00E+00	1.20E-07	7.84E-09	1.25E-08	0.00E+00	2.04E-08	3.43E-09	5.02E-09	0.00E+00	8.45E-09
3102	441095.5	3768474	4.13E-08	5.04E-08	0.00E+00	9.17E-08	4.66E-08	7.32E-08	0.00E+00	1.20E-07	7.81E-09	1.25E-08	0.00E+00	2.03E-08	3.42E-09	5.00E-09	0.00E+00	8.42E-09
3103	441099.2	3768465	4.11E-08	5.00E-08	0.00E+00	9.11E-08	4.63E-08	7.28E-08	0.00E+00	1.19E-07	7.76E-09	1.24E-08	0.00E+00	2.02E-08	3.39E-09	4.97E-09	0.00E+00	8.36E-09
3104	441401.6	3768202	1.40E-08	1.71E-08	0.00E+00	3.12E-08	1.58E-08	2.49E-08	0.00E+00	4.07E-08	2.66E-09	4.24E-09	0.00E+00	6.90E-09	1.16E-09	1.70E-09	0.00E+00	2.86E-09
3105	441069.4	3768536	3.98E-08	4.86E-08	0.00E+00	8.84E-08	4.49E-08	7.06E-08	0.00E+00	1.15E-07	7.53E-09	1.20E-08	0.00E+00	1.96E-08	3.29E-09	4.82E-09	0.00E+00	8.11E-09
3106	441069.3	3768546	4.01E-08	4.89E-08	0.00E+00	8.89E-08	4.52E-08	7.10E-08	0.00E+00	1.16E-07	7.58E-09	1.21E-08	0.00E+00	1.97E-08	3.31E-09	4.85E-09	0.00E+00	8.16E-09
3107	441069.3	3768556	4.02E-08	4.91E-08	0.00E+00	8.93E-08	4.54E-08	7.13E-08	0.00E+00	1.17E-07	7.61E-09	1.22E-08	0.00E+00	1.98E-08	3.33E-09	4.87E-09	0.00E+00	8.20E-09
3108	441069.2	3768566	4.03E-08	4.92E-08	0.00E+00	8.95E-08	4.55E-08	7.15E-08	0.00E+00	1.17E-07	7.62E-09	1.22E-08	0.00E+00	1.98E-08	3.33E-09	4.88E-09	0.00E+00	8.22E-09
3109	441069.2	3768575	4.04E-08	4.93E-08	0.00E+00	8.97E-08	4.56E-08	7.16E-08	0.00E+00	1.17E-07	7.64E-09	1.22E-08	0.00E+00	1.99E-08	3.34E-09	4.89E-09	0.00E+00	8.23E-09
3110	441069.1	3768585	4.05E-08	4.94E-08	0.00E+00	8.99E-08	4.57E-08	7.18E-08	0.00E+00	1.17E-07	7.66E-09	1.22E-08	0.00E+00	1.99E-08	3.35E-09	4.90E-09	0.00E+00	8.25E-09
3111	441069	3768595	4.05E-08	4.93E-08	0.00E+00	8.98E-08	4.56E-08	7.17E-08	0.00E+00	1.17E-07	7.65E-09	1.22E-08	0.00E+00	1.99E-08	3.35E-09	4.90E-09	0.00E+00	8.25E-09
3112	441069	3768605	4.03E-08	4.91E-08	0.00E+00	8.94E-08	4.54E-08	7.14E-08	0.00E+00	1.17E-07	7.62E-09	1.22E-08	0.00E+00	1.98E-08	3.33E-09	4.88E-09	0.00E+00	8.21E-09
3113	441068.9	3768615	4.00E-08	4.88E-08	0.00E+00	8.88E-08	4.51E-08	7.09E-08	0.00E+00	1.16E-07	7.56E-09	1.21E-08	0.00E+00	1.96E-08	3.31E-09	4.84E-09	0.00E+00	8.15E-09
3114	441068.9	3768625	3.96E-08	4.83E-08	0.00E+00	8.78E-08	4.46E-08	7.02E-08	0.00E+00	1.15E-07	7.48E-09	1.20E-08	0.00E+00	1.94E-08	3.27E-09	4.79E-09	0.00E+00	8.06E-09
3115	441040.7	3768509	3.36E-08	4.09E-08	0.00E+00	7.45E-08	3.78E-08	5.95E-08	0.00E+00	9.73E-08	6.34E-09	1.01E-08	0.00E+00	1.65E-08	2.78E-09	4.06E-09	0.00E+00	6.84E-09
3116	441044.4	3768500	3.39E-08	4.13E-08	0.00E+00	7.52E-08	3.82E-08	6.01E-08	0.00E+00	9.83E-08	6.41E-09	1.02E-08	0.00E+00	1.67E-08	2.80E-09	4.10E-09	0.00E+00	6.91E-09
3117	441048.2	3768491	3.42E-08	4.17E-08	0.00E+00	7.58E-08	3.85E-08	6.06E-08	0.00E+00	9.91E-08	6.46E-09	1.03E-08	0.00E+00	1.68E-08	2.83E-09	4.14E-09	0.00E+00	6.96E-09
3118	441051.9	3768482	3.44E-08	4.19E-08	0.00E+00	7.63E-08	3.88E-08	6.09E-08	0.00E+00	9.97E-08	6.50E-09	1.04E-08	0.00E+00	1.69E-08	2.84E-09	4.16E-09	0.00E+00	7.00E-09
3119	441055.7	3768473	3.45E-08	4.20E-08	0.00E+00	7.65E-08	3.88E-08	6.11E-08	0.00E+00	9.99E-08	6.51E-09	1.04E-08	0.00E+00	1.69E-08	2.85E-09	4.17E-09	0.00E+00	7.02E-09
3120	441059.4	3768464	3.44E-08	4.20E-08	0.00E+00	7.64E-08	3.88E-08	6.10E-08	0.00E+00	9.98E-08	6.51E-09	1.04E-08	0.00E+00	1.69E-08	2.85E-09	4.17E-09	0.00E+00	7.01E-09
3121	441401.7	3768162	1.20E-08	1.47E-08	0.00E+00	2.67E-08	1.36E-08	2.13E-08	0.00E+00	3.49E-08	2.28E-09	3.64E-09	0.00E+00	5.92E-09	9.96E-10	1.46E-09	0.00E+00	2.45E-09
3122	440996.9	3768517	2.74E-08	3.34E-08	0.00E+00	6.08E-08	3.09E-08	4.86E-08	0.00E+00	7.95E-08	5.18E-09	8.28E-09	0.00E+00	1.35E-08	2.27E-09	3.32E-09	0.00E+00	5.58E-09
3123	441000.7	3768508	2.78E-08	3.39E-08	0.00E+00	6.17E-08	3.13E-08	4.93E-08	0.00E+00	8.06E-08	5.26E-09	8.40E-09	0.00E+00	1.37E-08	2.30E-09	3.36E-09	0.00E+00	5.66E-09
3124	441004.5	3768499	2.82E-08	3.44E-08	0.00E+00	6.25E-08	3.18E-08	4.99E-08	0.00E+00	8.17E-08	5.33E-09	8.51E-09	0.00E+00	1.38E-08	2.33E-09	3.41E-09	0.00E+00	5.74E-09
3125	441008.2	3768491	2.85E-08	3.48E-08	0.00E+00	6.33E-08	3.21E-08	5.05E-08	0.00E+00	8.27E-08	5.39E-09	8.61E-09	0.00E+00	1.40E-08	2.36E-09	3.45E-09	0.00E+00	5.81E-09
3126	441012	3768482	2.88E-08	3.51E-08	0.00E+00	6.39E-08	3.25E-08	5.10E-08	0.00E+00	8.35E-08	5.45E-09	8.70E-09	0.00E+00	1.41E-08	2.38E-09	3.49E-09	0.00E+00	5.87E-09
3127	441015.8	3768473	2.90E-08	3.54E-08	0.00E+00	6.44E-08	3.27E-08	5.14E-08	0.00E+00	8.42E-08	5.49E-09	8.77E-09	0.00E+00	1.43E-08	2.40E-09	3.51E-09	0.00E+00	5.91E-09
3128	441019.6	3768464	2.92E-08	3.56E-08	0.00E+00	6.48E-08	3.29E-08	5.17E-08	0.00E+00	8.46E-08	5.52E-09	8.82E-09	0.00E+00	1.43E-08	2.41E-09	3.53E-09	0.00E+00	5.94E-09
3129	441401.7	3768122	1.04E-08	1.27E-08	0.00E+00	2.31E-08	1.17E-08	1.84E-08	0.00E+00	3.01E-08	1.96E-09	3.14E-09	0.00E+00	5.10E-09	8.59E-10	1.26E-09	0.00E+00	2.12E-09
3130	440989.3	3768545	2.65E-08	3.23E-08	0.00E+00	5.88E-08	2.99E-08	4.70E-08	0.00E+00	7.68E-08	5.01E-09	8.01E-09	0.00E+00	1.30E-08	2.19E-09	3.21E-09	0.00E+00	5.40E-09
3131	440989.3	3768555	2.64E-08	3.22E-08	0.00E+00	5.87E-08	2.98E-08	4.68E-08	0.00E+00	7.66E-08	5.00E-09	7.99E-09	0.00E+00	1.30E-08	2.19E-09	3.20E-09	0.00E+00	5.38E-09
3132	440989.2	3768565	2.63E-08	3.21E-08	0.00E+00	5.84E-08	2.97E-08	4.66E-08	0.00E+00	7.63E-08	4.98E-09	7.95E-09	0.00E+00	1.29E-08	2.18E-09	3.19E-09	0.00E+00	5.36E-09
3133	440989.2	3768575	2.62E-08	3.19E-08	0.00E+00	5.81E-08	2.95E-08	4.64E-08	0.00E+00	7.59E-08	4.95E-09	7.90E-09	0.00E+00	1.29E-08	2.16E-09	3.17E-09	0.00E+00	5.33E-09

3134	440989.1	3768585	2.60E-08	3.16E-08	0.00E+00	5.76E-08	2.93E-08	4.60E-08	0.00E+00	7.52E-08	4.91E-09	7.84E-09	0.00E+00	1.27E-08	2.15E-09	3.14E-09	0.00E+00	5.29E-09
3135	440989	3768595	2.57E-08	3.13E-08	0.00E+00	5.70E-08	2.90E-08	4.55E-08	0.00E+00	7.45E-08	4.86E-09	7.76E-09	0.00E+00	1.26E-08	2.13E-09	3.11E-09	0.00E+00	5.24E-09
3136	440989	3768605	2.54E-08	3.10E-08	0.00E+00	5.64E-08	2.87E-08	4.50E-08	0.00E+00	7.37E-08	4.80E-09	7.68E-09	0.00E+00	1.25E-08	2.10E-09	3.08E-09	0.00E+00	5.18E-09
3137	440988.9	3768615	2.51E-08	3.06E-08	0.00E+00	5.57E-08	2.83E-08	4.45E-08	0.00E+00	7.28E-08	4.75E-09	7.58E-09	0.00E+00	1.23E-08	2.08E-09	3.04E-09	0.00E+00	5.11E-09
3138	440988.9	3768624	2.48E-08	3.02E-08	0.00E+00	5.49E-08	2.79E-08	4.39E-08	0.00E+00	7.18E-08	4.68E-09	7.48E-09	0.00E+00	1.22E-08	2.05E-09	3.00E-09	0.00E+00	5.04E-09
3139	440957	3768517	2.31E-08	2.82E-08	0.00E+00	5.13E-08	2.61E-08	4.10E-08	0.00E+00	6.70E-08	4.37E-09	6.98E-09	0.00E+00	1.14E-08	1.91E-09	2.80E-09	0.00E+00	4.71E-09
3140	440960.8	3768508	2.35E-08	2.87E-08	0.00E+00	5.22E-08	2.65E-08	4.17E-08	0.00E+00	6.82E-08	4.44E-09	7.10E-09	0.00E+00	1.15E-08	1.94E-09	2.85E-09	0.00E+00	4.79E-09
3141	440964.5	3768499	2.39E-08	2.91E-08	0.00E+00	5.30E-08	2.69E-08	4.23E-08	0.00E+00	6.92E-08	4.51E-09	7.21E-09	0.00E+00	1.17E-08	1.97E-09	2.89E-09	0.00E+00	4.86E-09
3142	440968.3	3768490	2.42E-08	2.95E-08	0.00E+00	5.38E-08	2.73E-08	4.29E-08	0.00E+00	7.02E-08	4.58E-09	7.32E-09	0.00E+00	1.19E-08	2.00E-09	2.93E-09	0.00E+00	4.93E-09
3143	440972.1	3768481	2.45E-08	2.99E-08	0.00E+00	5.44E-08	2.76E-08	4.35E-08	0.00E+00	7.11E-08	4.64E-09	7.41E-09	0.00E+00	1.20E-08	2.03E-09	2.97E-09	0.00E+00	5.00E-09
3144	440975.9	3768472	2.48E-08	3.02E-08	0.00E+00	5.50E-08	2.80E-08	4.40E-08	0.00E+00	7.19E-08	4.69E-09	7.49E-09	0.00E+00	1.22E-08	2.05E-09	3.00E-09	0.00E+00	5.05E-09
3145	440979.7	3768463	2.50E-08	3.05E-08	0.00E+00	5.56E-08	2.82E-08	4.44E-08	0.00E+00	7.26E-08	4.73E-09	7.57E-09	0.00E+00	1.23E-08	2.07E-09	3.03E-09	0.00E+00	5.10E-09
3146	441401.8	3768082	9.34E-09	1.14E-08	0.00E+00	2.07E-08	1.05E-08	1.66E-08	0.00E+00	2.71E-08	1.77E-09	2.82E-09	0.00E+00	4.59E-09	7.73E-10	1.13E-09	0.00E+00	1.90E-09
3147	440949.3	3768545	2.22E-08	2.70E-08	0.00E+00	4.92E-08	2.50E-08	3.93E-08	0.00E+00	6.43E-08	4.19E-09	6.70E-09	0.00E+00	1.09E-08	1.83E-09	2.68E-09	0.00E+00	4.52E-09
3148	440949.3	3768555	2.20E-08	2.69E-08	0.00E+00	4.89E-08	2.48E-08	3.91E-08	0.00E+00	6.39E-08	4.17E-09	6.66E-09	0.00E+00	1.08E-08	1.82E-09	2.67E-09	0.00E+00	4.49E-09
3149	440949.2	3768565	2.19E-08	2.67E-08	0.00E+00	4.86E-08	2.47E-08	3.88E-08	0.00E+00	6.35E-08	4.14E-09	6.61E-09	0.00E+00	1.08E-08	1.81E-09	2.65E-09	0.00E+00	4.46E-09
3150	440949.2	3768575	2.17E-08	2.65E-08	0.00E+00	4.82E-08	2.45E-08	3.85E-08	0.00E+00	6.29E-08	4.10E-09	6.56E-09	0.00E+00	1.07E-08	1.80E-09	2.63E-09	0.00E+00	4.42E-09
3151	440949.1	3768585	2.15E-08	2.62E-08	0.00E+00	4.77E-08	2.42E-08	3.81E-08	0.00E+00	6.23E-08	4.06E-09	6.49E-09	0.00E+00	1.06E-08	1.78E-09	2.60E-09	0.00E+00	4.38E-09
3152	440949	3768595	2.12E-08	2.59E-08	0.00E+00	4.71E-08	2.39E-08	3.76E-08	0.00E+00	6.16E-08	4.02E-09	6.42E-09	0.00E+00	1.04E-08	1.76E-09	2.57E-09	0.00E+00	4.33E-09
3153	440949	3768604	2.10E-08	2.56E-08	0.00E+00	4.65E-08	2.36E-08	3.72E-08	0.00E+00	6.08E-08	3.97E-09	6.34E-09	0.00E+00	1.03E-08	1.73E-09	2.54E-09	0.00E+00	4.27E-09
3154	440948.9	3768614	2.07E-08	2.52E-08	0.00E+00	4.59E-08	2.33E-08	3.67E-08	0.00E+00	6.00E-08	3.91E-09	6.25E-09	0.00E+00	1.02E-08	1.71E-09	2.50E-09	0.00E+00	4.22E-09
3155	440948.9	3768624	2.04E-08	2.49E-08	0.00E+00	4.52E-08	2.30E-08	3.61E-08	0.00E+00	5.91E-08	3.85E-09	6.16E-09	0.00E+00	1.00E-08	1.69E-09	2.47E-09	0.00E+00	4.15E-09
3156	440917	3768517	1.95E-08	2.38E-08	0.00E+00	4.33E-08	2.20E-08	3.46E-08	0.00E+00	5.66E-08	3.69E-09	5.90E-09	0.00E+00	9.59E-09	1.61E-09	2.36E-09	0.00E+00	3.98E-09
3157	440920.8	3768508	1.99E-08	2.42E-08	0.00E+00	4.41E-08	2.24E-08	3.52E-08	0.00E+00	5.76E-08	3.76E-09	6.00E-09	0.00E+00	9.76E-09	1.64E-09	2.40E-09	0.00E+00	4.05E-09
3158	440924.6	3768499	2.02E-08	2.46E-08	0.00E+00	4.49E-08	2.28E-08	3.58E-08	0.00E+00	5.86E-08	3.82E-09	6.11E-09	0.00E+00	9.93E-09	1.67E-09	2.45E-09	0.00E+00	4.12E-09
3159	440928.4	3768490	2.05E-08	2.51E-08	0.00E+00	4.56E-08	2.32E-08	3.64E-08	0.00E+00	5.96E-08	3.88E-09	6.21E-09	0.00E+00	1.01E-08	1.70E-09	2.49E-09	0.00E+00	4.19E-09
3160	440932.2	3768481	2.09E-08	2.54E-08	0.00E+00	4.63E-08	2.35E-08	3.70E-08	0.00E+00	6.05E-08	3.94E-09	6.30E-09	0.00E+00	1.02E-08	1.72E-09	2.52E-09	0.00E+00	4.25E-09
3161	440936	3768472	2.12E-08	2.58E-08	0.00E+00	4.70E-08	2.39E-08	3.75E-08	0.00E+00	6.13E-08	4.00E-09	6.39E-09	0.00E+00	1.04E-08	1.75E-09	2.56E-09	0.00E+00	4.31E-09
3162	440939.8	3768463	2.14E-08	2.61E-08	0.00E+00	4.76E-08	2.42E-08	3.80E-08	0.00E+00	6.22E-08	4.05E-09	6.48E-09	0.00E+00	1.05E-08	1.77E-09	2.60E-09	0.00E+00	4.37E-09
3163	440909.3	3768545	1.87E-08	2.28E-08	0.00E+00	4.16E-08	2.11E-08	3.32E-08	0.00E+00	5.43E-08	3.54E-09	5.66E-09	0.00E+00	9.20E-09	1.55E-09	2.27E-09	0.00E+00	3.82E-09
3164	440909.3	3768555	1.86E-08	2.27E-08	0.00E+00	4.13E-08	2.10E-08	3.30E-08	0.00E+00	5.40E-08	3.52E-09	5.63E-09	0.00E+00	9.15E-09	1.54E-09	2.25E-09	0.00E+00	3.79E-09
3165	440909.2	3768565	1.85E-08	2.26E-08	0.00E+00	4.11E-08	2.09E-08	3.28E-08	0.00E+00	5.36E-08	3.50E-09	5.59E-09	0.00E+00	9.09E-09	1.53E-09	2.24E-09	0.00E+00	3.77E-09
3166	440909.2	3768574	1.83E-08	2.24E-08	0.00E+00	4.07E-08	2.07E-08	3.25E-08	0.00E+00	5.32E-08	3.47E-09	5.54E-09	0.00E+00	9.01E-09	1.52E-09	2.22E-09	0.00E+00	3.74E-09
3167	440909.1	3768584	1.81E-08	2.21E-08	0.00E+00	4.03E-08	2.05E-08	3.22E-08	0.00E+00	5.26E-08	3.43E-09	5.48E-09	0.00E+00	8.91E-09	1.50E-09	2.20E-09	0.00E+00	3.70E-09
3168	440909	3768594	1.79E-08	2.19E-08	0.00E+00	3.98E-08	2.02E-08	3.18E-08	0.00E+00	5.20E-08	3.39E-09	5.42E-09	0.00E+00	8.81E-09	1.48E-09	2.17E-09	0.00E+00	3.65E-09
3169	440909	3768604	1.77E-08	2.16E-08	0.00E+00	3.93E-08	2.00E-08	3.14E-08	0.00E+00	5.14E-08	3.35E-09	5.35E-09	0.00E+00	8.70E-09	1.46E-09	2.14E-09	0.00E+00	3.61E-09
3170	440908.9	3768614	1.75E-08	2.13E-08	0.00E+00	3.88E-08	1.97E-08	3.10E-08	0.00E+00	5.08E-08	3.31E-09	5.29E-09	0.00E+00	8.60E-09	1.45E-09	2.12E-09	0.00E+00	3.57E-09
3171	440908.9	3768624	1.73E-08	2.11E-08	0.00E+00	3.83E-08	1.95E-08	3.06E-08	0.00E+00	5.01E-08	3.27E-09	5.22E-09	0.00E+00	8.49E-09	1.43E-09	2.09E-09	0.00E+00	3.52E-09
3172	440877	3768516	1.67E-08	2.04E-08	0.00E+00	3.71E-08	1.89E-08	2.96E-08	0.00E+00	4.85E-08	3.16E-09	5.05E-09	0.00E+00	8.21E-09	1.38E-09	2.02E-09	0.00E+00	3.41E-09
3173	440880.8	3768507	1.70E-08	2.07E-08	0.00E+00	3.77E-08	1.92E-08	3.01E-08	0.00E+00	4.93E-08	3.21E-09	5.14E-09	0.00E+00	8.35E-09	1.41E-09	2.06E-09	0.00E+00	3.46E-09
3174	440884.6	3768498	1.73E-08	2.11E-08	0.00E+00	3.84E-08	1.95E-08	3.06E-08	0.00E+00	5.01E-08	3.27E-09	5.22E-09	0.00E+00	8.49E-09	1.43E-09	2.09E-09	0.00E+00	3.52E-09
3175	440888.4	3768489	1.76E-08	2.14E-08	0.00E+00	3.90E-08	1.98E-08	3.12E-08	0.00E+00	5.10E-08	3.32E-09	5.31E-09	0.00E+00	8.64E-09	1.45E-09	2.13E-09	0.00E+00	3.58E-09
3176	440892.3	3768480	1.79E-08	2.18E-08	0.00E+00	3.97E-08	2.01E-08	3.17E-08	0.00E+00	5.18E-08	3.38E-09	5.40E-09	0.00E+00	8.78E-09	1.48E-09	2.16E-09	0.00E+00	3.64E-09
3177	440896.1	3768471	1.81E-08	2.21E-08	0.00E+00	4.02E-08	2.04E-08	3.21E-08	0.00E+00	5.26E-08	3.43E-09	5.48E-09	0.00E+00	8.90E-09	1.50E-09	2.19E-09	0.00E+00	3.69E-09
3178	441347.5	3768024	8.68E-09	1.06E-08	0.00E+00	1.93E-08	9.78E-09	1.54E-08	0.00E+00	2.52E-08	1.64E-09	2.62E-09	0.00E+00	4.26E-09	7.18E-10	1.05E-09	0.00E+00	1.77E-09
3179	441356.6	3768020	8.49E-09	1.03E-08	0.00E+00	1.88E-08	9.57E-09	1.50E-08	0.00E+00	2.46E-08	1.60E-09	2.56E-09	0.00E+00	4.17E-09	7.02E-10	1.03E-09	0.00E+00	1.73E-09
3180	441365.7	3768016	8.31E-09	1.01E-08	0.00E+00	1.84E-08	9.37E-09	1.47E-08	0.00E+00	2.41E-08	1.57E-09	2.51E-09	0.00E+00	4.08E-09	6.87E-10	1.01E-09	0.00E+00	1.69E-09
3181	441374.8	3768013	8.14E-09	9.93E-09	0.00E+00	1.81E-08	9.18E-09	1.44E-08	0.00E+00	2.36E-08	1.54E-09	2.46E-09	0.00E+00	4.00E-09	6.73E-10	9.86E-10	0.00E+00	1.66E-09
3182	441383.8	3768009	7.98E-09	9.73E-09	0.00E+00	1.77E-08	9.00E-09	1.41E-08	0.00E+00	2.31E-08	1.51E-09	2.41E-09	0.00E+00	3.92E-09	6.60E-10	9.66E-10	0.00E+00	1.63E-09
3183	441392.9	3768005	7.82E-09	9.53E-09	0.00E+00	1.73E-08	8.81E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.36E-09	0.00E+00	3.84E-09	6.46E-10	9.46E-10	0.00E+00	1.59E-09
3184	441402	3768002	7.66E-09	9.34E-09	0.00E+00	1.70E-08	8.63E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.31E-09	0.00E+00	3.76E-09	6.33E-10	9.27E-10	0.00E+00	1.56E-09
3185	440869.3	3768544	1.61E-08	1.96E-08	0.00E+00	3.56E-08	1.81E-08	2.85E-08	0.00E+00	4.66E-08	3.04E-09	4.85E-09	0.00E+00	7.89E-09	1.33E-09	1.94E-09	0.00E+00	3.27E-09
3186	440869.3	3768554	1.59E-08	1.94E-08	0.00E+00	3.54E-08	1.80E-08	2.83E-08	0.00E+00	4.62E-08	3.01E-09	4.82E-09	0.00E+00	7.83E-09	1.32E-09	1.93E-09	0.00E+00	3.25E-09
3187	440869.2	3768564	1.58E-08	1.93E-08	0.00E+00	3.51E-08	1.78E-08	2.80E-08	0.00E+00	4.59E-08	2.99E-09	4.78E-09	0.00E+00	7.77E-09	1.31E-09	1.91E-09	0.00E+00	3.22E-09
3188	440869.2	3768574	1.57E-08	1.91E-08	0.00E+00	3.48E-08	1.77E-08	2.78E-08	0.00E+00	4.55E-08	2.96E-09	4.74E-09	0.00E+00	7.70E-09	1.30E-09	1.90E-09	0.00E+00	3.19E-09
3189	440869.1	3768584	1.55E-08	1.89E-08	0.00E+00	3.45E-08	1.75E-08	2.75E-08	0.00E+00	4.50E-08	2.94E-09	4.69E-09	0.00E+00	7.63E-09	1.28E-09	1.88E-09	0.00E+00	3.16E-09
3190	440869	3768594	1.54E-08	1.87E-08	0.00E+00	3.41E-08	1.73E-08	2.72E-08	0.00E+00	4.45E-08	2.90E-09	4.64E-09	0.00E+00	7.54E-09	1.27E-09	1.86E-09	0.00E+00	3.13E-09
3191	440869	3768604	1.52E-08	1.85E-08	0.00E+00	3.37E-08	1.71E-08	2.69E-08	0.00E+00	4.40E-08	2.87E-09	4.59E-09	0.00E+00	7.46E-09	1.26E-09	1.84E-09	0.00E+00	3.09E-09
3192	440868.9	3768614	1.50E-08	1.83E-08	0.00E+00	3.33E-08	1.69E-08	2.66E-08	0.00E+00	4.35E-08	2.84E-09	4.53E-09	0.00E+00	7.37E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
3193	440868.9	3768624	1.48E-08	1.81E-08	0.00E+00	3.29E-08	1.67E-08	2.62E-08	0.00E+00	4.29E-08	2.80E-09	4.47E-09	0.00E+00	7.27E-09	1.22E-09	1.79E-09	0.00E+00	3.02E-09
3194	440837	3768516	1.45E-08	1.77E-08	0.00E+00	3.22E-08	1.63E-08	2.57E-08	0.00E+00	4.20E-08	2.74E-09	4.38E-09	0.00E+00	7.12E-09	1.20E-09	1.75E-09	0.00E+00	2.95E-09
3195	440840.9	3768507	1.47E-08	1.80E-08	0.00E+00	3.27E-08	1.66E-08	2.61E-08	0.00E+00	4.27E-08	2.79E-09	4.45E-09	0.00E+00	7.24E-09	1.22E-09	1.78E-09	0.00E+00	3.00E-09
3196	440844.7	3768498	1.50E-08	1.82E-08	0.00E+00	3.32E-08	1.69E-08	2.65E-08	0.00E+00	4.34E-08	2.83E-09	4.52E-09	0.00E+00	7.35E-09	1.24E-09	1.81E-09	0.00E+00	3.05E-09
3197	440848.5	3768489	1.52E-08	1.85E-08	0.00E+00	3.37E-08	1.71E-08	2.69E-08	0.00E+00	4.40E-08	2.87E-09	4.59E-09	0.00E+00	7.46E-09	1.26E-09	1.84E-09	0.00E+00	3.09E-09
3198	440852.3	3768480	1.54E-08	1.88E-08	0.00E+00	3.42E-08	1.74E-08	2.73E-08	0.00E+00	4.47E-08	2.91E-09	4.66E-09	0.00E+00	7.57E-09	1.27E-09	1.87E-09	0.00E+00	3.14E-09
3199	440856.1	3768471	1.56E-08	1.91E-08	0.00E+00	3.47E-08	1.76E-08	2.77E-08	0.00E+00	4.53E-08	2.96E-09	4.72E-09	0.00E+00	7.68E-09	1.29E-09	1.89E-09	0.00E+00	3.18E-09
3200	441238.1	3768029	1.04E-08	1.27E-08	0.00E+00	2.30E-08	1.17E-08	1.84E-08	0.00E+00	3.01E-08	1.96E-09	3.14E-09	0.00E+00	5.10E-09	8.58E-10	1.26E-09	0.00E+00	2.11E-09
3201	441247.2	3768025	1.01E-08	1.24E-08	0.00E+00	2.25E-08	1.14E-08	1.80E-08	0.00E+00	2.94E-08	1.92E-09	3.06E-09	0.00E+00	4.98E-09	8.38E-10	1.23E-09	0.00E+00	2.07E-09
3202	441256.3	3768021	9.89E-09	1.21E-08	0.00E+00	2.20E-08	1.12E-08	1.75E-08	0.00E+00	2.87E-08	1.87E-09	2.99E-09	0.00E+00	4.86E-09	8.18E-10	1.20E-09	0.00E+00	2.02E-09
3203	441265.4	3768018	9.65E-09	1.18E-08	0.00E+00	2.14E-08	1.09E-08	1.71E-08	0.00E+00	2.80E-08	1.82E-09	2.92E-09	0.00E+00	4.74E-09	7.98E-10	1.17E-09	0.00E+00	1.97E-09
3204	441274.6	3768014	9.42E-09	1.15E-08	0.00E+00	2.09E-08	1.06E-08	1.67E-08	0.00E+00	2.73E-08	1.78E-09	2.84E-09	0.00E+00	4.62E-09	7.78E-10	1.14E-09	0.00E+00	1.92E-09
3205	441283.7	3768010	9.18E-09	1.12E-08	0.00E+00	2.04E-08	1.03E-08	1.63E-08	0.00E+00	2.66E-08	1.73E-09	2.77E-09	0.00E+00	4.51E-09	7.59E-10	1.11E-09	0.00E+00	1.87E-09
3206	441292.8	3768006	8.94E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.39E-09	7.39E-10	1.08E-09	0.00E+00	1.82E-09
3207	441301.9	3768003	8.71E-09	1.06E-08	0.00E+00	1.93E-08	9.82E-09	1.54E-08	0.00E+00	2.53E-08	1.65E-09	2.63E-09	0.00E+00	4.28E-09	7.21E-10	1.05E-09	0.00E+00	1.78E-09
3208	441311	3767999	8.50E-09	1.04E-08	0.00E+00	1.89E-08	9.59E-09	1.51E-08	0.00E+00	2.47E-08	1.61E-09	2.57E-09	0.00E+00	4.18E-09	7.03E-10	1.03E-09	0.00E+00	1.73E-09
3209	441320.1	3767995	8.30E-09	1.01E-08	0.00E+00	1.84E-08	9.36E-09	1.47E-08	0.00E+00	2.41E-08	1.57E-09	2.51E-09	0.00E+00	4.08E-09	6.86E-10	1.00E-09	0.00E+00	1.69E-09
3210	441329.2	3767991	8.11E-09	9.88E-09	0.00E+00	1.80E-08	9.14E-09	1.44E-08	0.00E+00	2.35E-08	1.53E-09	2.45E-09	0.00E+00	3.98E-09	6.70E-10	9.81E-10	0.00E+00	1.65E-09
3211	441338.3	3767988	7.94E-09	9.69E-09	0.00E+00	1.76E-08	8.96E-09	1.41E-08	0.00E+00	2.30E-08	1.50E-09	2.40E-09	0.00E+00	3.90E-09	6.57E-10	9.62E-10	0.00E+00	1.62E-09
3212	441347.5	3767984	7.79E-09	9.49E-09	0.00E+00	1.73E-08	8.78E-09	1.38E-08	0.00E+00	2.26E-08	1.47E-09	2.35E-09	0.00E+00	3.82E-09	6.44E-10	9.42E-10	0.00E+00	1.59E-09
3213	441356.6	3767980	7.63E-09	9.30E-09	0.00E+00	1.69E-08	8.60E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.31E-09	0.00E+00	3.75E-09	6.31E-10	9.24E-10	0.00E+00	1.55E-09
3214	441365.7	3767977	7.48E-09	9.12E-09	0.00E+00	1.66E-08	8.43E-09	1.33E-08	0.00E+00	2.17E-08	1.41E-09	2.26E-09	0.00E+00	3.67E-09	6.18E-10	9.05E-10	0.00E+00	1.52E-09
3215	441374.8	3767973	7.33E-09	8.94E-09	0.00E+00	1.63E-08	8.26E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.21E-09	0.00E+00	3.60E-09	6.06E-10	8.87E-10	0.00E+00	1.49E-09
3216	441383.9	3767969	7.18E-09	8.76E-09	0.00E+00	1.59E-08	8.10E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.94E-10	8.69E-10	0.00E+00	1.46E-09
3217	441393	3767965	7.04E-09	8.58E-09	0.00E+00	1.56E-08	7.94E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.13E-09	0.00E+00	3.46E-09	5.82E-10	8.52E-10	0.00E+00	1.43E-09
3218	441402.1	3767962	6.91E-09	8.42E-09	0.00E+00	1.53E-08	7.78E-09	1.22E-08	0.00E+00	2.00E-08	1.31E-09	2.09E-09	0.00E+00	3.39E-09	5.71E-10	8.36E-10	0.00E+00	1.41E-09
3219	440829.3	3768544	1.39E-08	1.70E-08	0.00E+00	3.09E-08	1.57E-08	2.47E-08	0.00E+00	4.04E-08	2.63E-09	4.21E-09	0.00E+00	6.84E-09	1.15E-09	1.68E-09	0.00E+00	2.84E-09
3220	440829.3	3768554	1.38E-08	1.69E-08	0.00E+00	3.07E-08	1.56E-08	2.45E-08	0.00E+00	4.01E-08	2.61E-09	4.18E-09	0.00E+00	6.79E-09	1.14E-09	1.67E-09	0.00E+00	2.82E-09
3221	440829.2	3768564	1.37E-08	1.67E-08	0.00E+00	3.04E-08	1.55E-08	2.43E-08	0.00E+00	3.98E-08	2.59E-09	4.14E-09	0.00E+00	6.74E-09	1.13E-09	1.66E-09	0.00E+00	2.79E-09
3222	440829.2	3768574	1.36E-08	1.66E-08	0.00E+00	3.02E-08	1.53E-08	2.41E-08	0.00E+00	3.94E-08	2.57E-09	4.11E-09	0.00E+00	6.68E-09	1.12E-09	1.65E-09	0.00E+00	2.77E-09
3223	440829.1	3768584	1.35E-08	1.64E-08	0.00E+00	2.99E-08	1.52E-08	2.39E-08	0.00E+00	3.91E-08	2.55E-09	4.07E-09	0.00E+00	6.62E-09	1.11E-09	1.63E-09	0.00E+00	2.74E-09
3224	440829	3768594	1.33E-08	1.63E-08	0.00E+00	2.96E-08	1.50E-08	2.36E-08	0.00E+00	3.87E-08	2.52E-09	4.03E-09	0.00E+00	6.55E-09	1.10E-09	1.61E-09	0.00E+00	2.72E-09
3225	440829	3768604	1.32E-08	1.61E-08	0.00E+00	2.93E-08	1.49E-08	2.34E-08	0.00E+00	3.82E-08	2.49E-09	3.99E-09	0.00E+00	6.48E-09	1.09E-09	1.60E-09	0.00E+00	2.69E-09
3226	440828.9	3768614	1.30E-08	1.59E-08	0.00E+00	2.89E-08	1.47E-08	2.31E-08	0.00E+00	3.78E-08	2.46E-09	3.94E-09	0.00E+00	6.40E-09	1.08E-09	1.58E-09	0.00E+00	2.65E-09
3227	440828.9	3768623	1.29E-08	1.57E-08	0.00E+00	2.85E-08	1.45E-08	2.28E-08	0.00E+00	3.73E-08	2.43E-09	3.88E-09	0.00E+00	6.31E-09	1.06E-09	1.56E-09	0.00E+00	2.62E-09
3228	441210.5	3768000	9.76E-09	1.19E-08	0.00E+00	2.17E-08	1.10E-08	1.73E-08	0.00E+00	2.83E-08	1.84E-09	2.95E-09	0.00E+00	4.79E-09	8.07E-10	1.18E-09	0.00E+00	1.99E-09
3229	441219.6	3767996	9.56E-09	1.17E-08	0.00E+00	2.12E-08	1.08E-08	1.69E-08	0.00E+00	2.77E-08	1.81E-09	2.89E-09	0.00E+00	4.70E-09	7.91E-10	1.16E-09	0.00E+00	1.95E-09
3230	441228.7	3767993	9.37E-09	1.14E-08	0.00E+00	2.08E-08	1.06E-08	1.66E-08	0.00E+00	2.72E-08	1.77E-09	2.83E-09	0.00E+00	4.60E-09	7.75E-10	1.13E-09	0.00E+00	1.91E-09
3231	441237.9	3767989	9.18E-09	1.12E-08	0.00E+00	2.04E-08	1.03E-08	1.63E-08	0.00E+00	2.66E-08	1.74E-09	2.77E-09	0.00E+00	4.51E-09	7.59E-10	1.11E-09	0.00E+00	1.87E-09
3232	441247	3767985	8.98E-09	1.09E-08	0.00E+00	1.99E-08	1.01E-08	1.59E-08	0.00E+00	2.60E-08	1.70E-09	2.71E-09	0.00E+00	4.41E-09	7.42E-10	1.09E-09	0.00E+00	1.83E-09
3233	441256.1	3767981	8.77E-09	1.07E-08	0.00E+00	1.95E-08	9.89E-09	1.55E-08	0.00E+00	2.54E-08	1.66E-09	2.65E-09	0.00E+00	4.31E-09	7.25E-10	1.06E-09	0.00E+00	1.79E-09
3234	441265.3	3767978	8.57E-09	1.04E-08	0.00E+00	1.90E-08	9.66E-09	1.52E-08	0.00E+00	2.48E-08	1.62E-09	2.59E-09	0.00E+00	4.21E-09	7.09E-10	1.04E-09	0.00E+00	1.75E-09
3235	441274.4	3767974	8.37E-09	1.02E-08	0.00E+00	1.86E-08	9.44E-09	1.48E-08	0.00E+00	2.43E-08	1.58E-09	2.53E-09	0.00E+00	4.11E-09	6.92E-10	1.01E-09	0.00E+00	1.71E-09
3236	441283.5	3767970	8.17E-09	9.96E-09	0.00E+00	1.81E-08	9.21E-09	1.45E-08	0.00E+00	2.37E-08	1.55E-09	2.47E-09	0.00E+00	4.01E-09	6.76E-10	9.89E-10	0.00E+00	1.67E-09
3237	441292.7	3767967	7.99E-09	9.74E-09	0.00E+00	1.77E-08	9.01E-09	1.42E-08	0.00E+00	2.32E-08	1.51E-09	2.41E-09	0.00E+00	3.92E-09	6.61E-10	9.67E-10	0.00E+00	1.63E-09
3238	441301.8	3767963	7.82E-09	9.53E-09	0.00E+00	1.73E-08	8.81E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.36E-09	0.00E+00	3.84E-09	6.46E-10	9.46E-10	0.00E+00	1.59E-09
3239	441310.9	3767959	7.66E-09	9.34E-09	0.00E+00	1.70E-08	8.64E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.31E-09	0.00E+00	3.76E-09	6.33E-10	9.27E-10	0.00E+00	1.56E-09
3240	441320.1	3767955	7.51E-09	9.16E-09	0.00E+00	1.67E-08	8.47E-09	1.33E-08	0.00E+00	2.18E-08	1.42E-09	2.27E-09	0.00E+00	3.69E-09	6.21E-10	9.09E-10	0.00E+00	1.53E-09
3241	441329.2	3767952	7.37E-09	8.98E-09	0.00E+00	1.64E-08	8.31E-09	1.31E-08	0.00E+00	2.14E-08	1.39E-09	2.23E-09	0.00E+00	3.62E-09	6.09E-10	8.92E-10	0.00E+00	1.50E-09
3242	441338.3	3767948	7.22E-09	8.81E-09	0.00E+00	1.60E-08	8.14E-09	1.28E-08	0.00E+00	2.09E-08	1.37E-09	2.18E-09	0.00E+00	3.55E-09	5.97E-10	8.74E-10	0.00E+00	1.47E-09
3243	441347.4	3767944	7.08E-09	8.63E-09	0.00E+00	1.57E-08	7.98E-09	1.25E-08	0.00E+00	2.05E-08	1.34E-09	2.14E-09	0.00E+00	3.48E-09	5.85E-10	8.57E-10	0.00E+00	1.44E-09
3244	441356.6	3767940	6.94E-09	8.45E-09	0.00E+00	1.54E-08	7.82E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.10E-09	0.00E+00	3.41E-09	5.73E-10	8.39E-10	0.00E+00	1.41E-09
3245	441365.7	3767937	6.80E-09	8.28E-09	0.00E+00	1.51E-08	7.66E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.34E-09	5.62E-10	8.22E-10	0.00E+00	1.38E-09

3246	441374.8	3767933	6.66E-09	8.12E-09	0.00E+00	1.48E-08	7.51E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.01E-09	0.00E+00	3.27E-09	5.51E-10	8.06E-10	0.00E+00	1.36E-09
3247	441384	3767929	6.53E-09	7.96E-09	0.00E+00	1.45E-08	7.36E-09	1.16E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.21E-09	5.40E-10	7.90E-10	0.00E+00	1.33E-09
3248	441393.1	3767925	6.40E-09	7.80E-09	0.00E+00	1.42E-08	7.21E-09	1.13E-08	0.00E+00	1.86E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.29E-10	7.74E-10	0.00E+00	1.30E-09
3249	441402.2	3767922	6.26E-09	7.64E-09	0.00E+00	1.39E-08	7.06E-09	1.11E-08	0.00E+00	1.82E-08	1.18E-09	1.89E-09	0.00E+00	3.08E-09	5.18E-10	7.58E-10	0.00E+00	1.28E-09
3250	440789.3	3768544	1.22E-08	1.49E-08	0.00E+00	2.71E-08	1.38E-08	2.16E-08	0.00E+00	3.54E-08	2.31E-09	3.69E-09	0.00E+00	5.99E-09	1.01E-09	1.48E-09	0.00E+00	2.49E-09
3251	440789.3	3768554	1.21E-08	1.48E-08	0.00E+00	2.69E-08	1.37E-08	2.15E-08	0.00E+00	3.51E-08	2.29E-09	3.66E-09	0.00E+00	5.95E-09	1.00E-09	1.47E-09	0.00E+00	2.47E-09
3252	440789.2	3768564	1.20E-08	1.47E-08	0.00E+00	2.67E-08	1.36E-08	2.13E-08	0.00E+00	3.49E-08	2.27E-09	3.63E-09	0.00E+00	5.91E-09	9.94E-10	1.46E-09	0.00E+00	2.45E-09
3253	440789.2	3768574	1.19E-08	1.45E-08	0.00E+00	2.65E-08	1.34E-08	2.11E-08	0.00E+00	3.46E-08	2.25E-09	3.60E-09	0.00E+00	5.86E-09	9.86E-10	1.44E-09	0.00E+00	2.43E-09
3254	440789.1	3768584	1.18E-08	1.44E-08	0.00E+00	2.62E-08	1.33E-08	2.09E-08	0.00E+00	3.42E-08	2.23E-09	3.57E-09	0.00E+00	5.80E-09	9.76E-10	1.43E-09	0.00E+00	2.40E-09
3255	440789	3768594	1.17E-08	1.42E-08	0.00E+00	2.59E-08	1.32E-08	2.07E-08	0.00E+00	3.38E-08	2.21E-09	3.53E-09	0.00E+00	5.73E-09	9.65E-10	1.41E-09	0.00E+00	2.38E-09
3256	440789	3768603	1.15E-08	1.41E-08	0.00E+00	2.56E-08	1.30E-08	2.04E-08	0.00E+00	3.34E-08	2.18E-09	3.48E-09	0.00E+00	5.67E-09	9.54E-10	1.40E-09	0.00E+00	2.35E-09
3257	440788.9	3768613	1.14E-08	1.39E-08	0.00E+00	2.53E-08	1.28E-08	2.02E-08	0.00E+00	3.30E-08	2.15E-09	3.44E-09	0.00E+00	5.60E-09	9.42E-10	1.38E-09	0.00E+00	2.32E-09
3258	440788.9	3768623	1.12E-08	1.37E-08	0.00E+00	2.50E-08	1.27E-08	1.99E-08	0.00E+00	3.26E-08	2.13E-09	3.40E-09	0.00E+00	5.52E-09	9.30E-10	1.36E-09	0.00E+00	2.29E-09
3259	440757.1	3768516	1.12E-08	1.37E-08	0.00E+00	2.49E-08	1.27E-08	1.99E-08	0.00E+00	3.26E-08	2.12E-09	3.40E-09	0.00E+00	5.52E-09	9.29E-10	1.36E-09	0.00E+00	2.29E-09
3260	440760.9	3768507	1.14E-08	1.39E-08	0.00E+00	2.54E-08	1.29E-08	2.03E-08	0.00E+00	3.31E-08	2.16E-09	3.45E-09	0.00E+00	5.61E-09	9.45E-10	1.38E-09	0.00E+00	2.33E-09
3261	440764.7	3768497	1.16E-08	1.42E-08	0.00E+00	2.58E-08	1.31E-08	2.06E-08	0.00E+00	3.37E-08	2.20E-09	3.51E-09	0.00E+00	5.71E-09	9.61E-10	1.41E-09	0.00E+00	2.37E-09
3262	440768.6	3768488	1.18E-08	1.44E-08	0.00E+00	2.62E-08	1.33E-08	2.09E-08	0.00E+00	3.42E-08	2.23E-09	3.56E-09	0.00E+00	5.80E-09	9.76E-10	1.43E-09	0.00E+00	2.40E-09
3263	440772.4	3768479	1.20E-08	1.46E-08	0.00E+00	2.66E-08	1.35E-08	2.12E-08	0.00E+00	3.47E-08	2.26E-09	3.62E-09	0.00E+00	5.88E-09	9.90E-10	1.45E-09	0.00E+00	2.44E-09
3264	440776.2	3768470	1.22E-08	1.48E-08	0.00E+00	2.70E-08	1.37E-08	2.15E-08	0.00E+00	3.52E-08	2.30E-09	3.67E-09	0.00E+00	5.97E-09	1.01E-09	1.47E-09	0.00E+00	2.48E-09
3265	440780.1	3768461	1.23E-08	1.50E-08	0.00E+00	2.74E-08	1.39E-08	2.18E-08	0.00E+00	3.57E-08	2.33E-09	3.72E-09	0.00E+00	6.06E-09	1.02E-09	1.49E-09	0.00E+00	2.51E-09
3266	441201.1	3767964	8.83E-09	1.08E-08	0.00E+00	1.96E-08	9.95E-09	1.56E-08	0.00E+00	2.56E-08	1.67E-09	2.67E-09	0.00E+00	4.34E-09	7.30E-10	1.07E-09	0.00E+00	1.80E-09
3267	441210.2	3767960	8.68E-09	1.06E-08	0.00E+00	1.93E-08	9.79E-09	1.54E-08	0.00E+00	2.52E-08	1.64E-09	2.62E-09	0.00E+00	4.26E-09	7.18E-10	1.05E-09	0.00E+00	1.77E-09
3268	441219.4	3767957	8.51E-09	1.04E-08	0.00E+00	1.89E-08	9.59E-09	1.51E-08	0.00E+00	2.47E-08	1.61E-09	2.57E-09	0.00E+00	4.18E-09	7.04E-10	1.03E-09	0.00E+00	1.73E-09
3269	441228.5	3767953	8.34E-09	1.02E-08	0.00E+00	1.85E-08	9.40E-09	1.48E-08	0.00E+00	2.42E-08	1.58E-09	2.52E-09	0.00E+00	4.10E-09	6.90E-10	1.01E-09	0.00E+00	1.70E-09
3270	441237.7	3767949	8.17E-09	9.95E-09	0.00E+00	1.81E-08	9.20E-09	1.45E-08	0.00E+00	2.37E-08	1.54E-09	2.47E-09	0.00E+00	4.01E-09	6.75E-10	9.88E-10	0.00E+00	1.66E-09
3271	441246.8	3767945	8.00E-09	9.75E-09	0.00E+00	1.77E-08	9.01E-09	1.42E-08	0.00E+00	2.32E-08	1.51E-09	2.42E-09	0.00E+00	3.93E-09	6.61E-10	9.68E-10	0.00E+00	1.63E-09
3272	441256	3767942	7.83E-09	9.55E-09	0.00E+00	1.74E-08	8.83E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.37E-09	0.00E+00	3.85E-09	6.48E-10	9.48E-10	0.00E+00	1.60E-09
3273	441265.1	3767938	7.68E-09	9.36E-09	0.00E+00	1.70E-08	8.65E-09	1.36E-08	0.00E+00	2.23E-08	1.45E-09	2.32E-09	0.00E+00	3.77E-09	6.35E-10	9.29E-10	0.00E+00	1.56E-09
3274	441274.3	3767934	7.52E-09	9.17E-09	0.00E+00	1.67E-08	8.48E-09	1.33E-08	0.00E+00	2.18E-08	1.42E-09	2.27E-09	0.00E+00	3.70E-09	6.22E-10	9.11E-10	0.00E+00	1.53E-09
3275	441283.4	3767930	7.38E-09	8.99E-09	0.00E+00	1.64E-08	8.32E-09	1.31E-08	0.00E+00	2.14E-08	1.39E-09	2.23E-09	0.00E+00	3.62E-09	6.10E-10	8.93E-10	0.00E+00	1.50E-09
3276	441292.6	3767927	7.24E-09	8.82E-09	0.00E+00	1.61E-08	8.16E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.19E-09	0.00E+00	3.55E-09	5.98E-10	8.76E-10	0.00E+00	1.47E-09
3277	441301.7	3767923	7.10E-09	8.66E-09	0.00E+00	1.58E-08	8.00E-09	1.26E-08	0.00E+00	2.06E-08	1.34E-09	2.14E-09	0.00E+00	3.49E-09	5.87E-10	8.59E-10	0.00E+00	1.45E-09
3278	441310.9	3767919	6.96E-09	8.49E-09	0.00E+00	1.55E-08	7.85E-09	1.23E-08	0.00E+00	2.02E-08	1.32E-09	2.10E-09	0.00E+00	3.42E-09	5.76E-10	8.43E-10	0.00E+00	1.42E-09
3279	441320	3767915	6.83E-09	8.32E-09	0.00E+00	1.51E-08	7.69E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.35E-09	5.64E-10	8.26E-10	0.00E+00	1.39E-09
3280	441329.2	3767912	6.69E-09	8.15E-09	0.00E+00	1.48E-08	7.54E-09	1.19E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.29E-09	5.53E-10	8.10E-10	0.00E+00	1.36E-09
3281	441338.3	3767908	6.55E-09	7.99E-09	0.00E+00	1.45E-08	7.38E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.42E-10	7.93E-10	0.00E+00	1.33E-09
3282	441347.5	3767904	6.42E-09	7.82E-09	0.00E+00	1.42E-08	7.23E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.30E-10	7.76E-10	0.00E+00	1.31E-09
3283	441356.6	3767900	6.29E-09	7.66E-09	0.00E+00	1.39E-08	7.09E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.90E-09	0.00E+00	3.09E-09	5.20E-10	7.61E-10	0.00E+00	1.28E-09
3284	441365.8	3767897	6.16E-09	7.51E-09	0.00E+00	1.37E-08	6.95E-09	1.09E-08	0.00E+00	1.79E-08	1.17E-09	1.86E-09	0.00E+00	3.03E-09	5.10E-10	7.46E-10	0.00E+00	1.26E-09
3285	441374.9	3767893	6.04E-09	7.37E-09	0.00E+00	1.34E-08	6.81E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.83E-09	0.00E+00	2.97E-09	5.00E-10	7.31E-10	0.00E+00	1.23E-09
3286	441384.1	3767889	5.92E-09	7.22E-09	0.00E+00	1.31E-08	6.67E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.79E-09	0.00E+00	2.91E-09	4.90E-10	7.17E-10	0.00E+00	1.21E-09
3287	441393.2	3767885	5.80E-09	7.08E-09	0.00E+00	1.29E-08	6.54E-09	1.03E-08	0.00E+00	1.68E-08	1.10E-09	1.75E-09	0.00E+00	2.85E-09	4.80E-10	7.02E-10	0.00E+00	1.18E-09
3288	441402.4	3767882	5.70E-09	6.95E-09	0.00E+00	1.27E-08	6.43E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.72E-10	6.90E-10	0.00E+00	1.16E-09
3289	440749.2	3768564	1.06E-08	1.30E-08	0.00E+00	2.36E-08	1.20E-08	1.88E-08	0.00E+00	3.08E-08	2.01E-09	3.21E-09	0.00E+00	5.22E-09	8.79E-10	1.29E-09	0.00E+00	2.16E-09
3290	440749.2	3768573	1.05E-08	1.28E-08	0.00E+00	2.34E-08	1.19E-08	1.87E-08	0.00E+00	3.06E-08	1.99E-09	3.18E-09	0.00E+00	5.18E-09	8.71E-10	1.28E-09	0.00E+00	2.15E-09
3291	440749.1	3768583	1.04E-08	1.27E-08	0.00E+00	2.31E-08	1.18E-08	1.85E-08	0.00E+00	3.02E-08	1.97E-09	3.15E-09	0.00E+00	5.12E-09	8.62E-10	1.26E-09	0.00E+00	2.12E-09
3292	440749	3768593	1.03E-08	1.26E-08	0.00E+00	2.29E-08	1.16E-08	1.83E-08	0.00E+00	2.99E-08	1.95E-09	3.12E-09	0.00E+00	5.07E-09	8.53E-10	1.25E-09	0.00E+00	2.10E-09
3293	440749	3768603	1.02E-08	1.24E-08	0.00E+00	2.26E-08	1.15E-08	1.81E-08	0.00E+00	2.96E-08	1.93E-09	3.08E-09	0.00E+00	5.01E-09	8.43E-10	1.23E-09	0.00E+00	2.08E-09
3294	440748.9	3768613	1.01E-08	1.23E-08	0.00E+00	2.24E-08	1.14E-08	1.78E-08	0.00E+00	2.92E-08	1.90E-09	3.04E-09	0.00E+00	4.95E-09	8.33E-10	1.22E-09	0.00E+00	2.05E-09
3295	440748.9	3768623	9.94E-09	1.21E-08	0.00E+00	2.21E-08	1.12E-08	1.76E-08	0.00E+00	2.88E-08	1.88E-09	3.00E-09	0.00E+00	4.88E-09	8.22E-10	1.20E-09	0.00E+00	2.03E-09
3296	440717.1	3768515	1.00E-08	1.22E-08	0.00E+00	2.22E-08	1.13E-08	1.77E-08	0.00E+00	2.90E-08	1.89E-09	3.02E-09	0.00E+00	4.91E-09	8.27E-10	1.21E-09	0.00E+00	2.04E-09
3297	440720.9	3768506	1.02E-08	1.24E-08	0.00E+00	2.26E-08	1.15E-08	1.80E-08	0.00E+00	2.95E-08	1.92E-09	3.07E-09	0.00E+00	5.00E-09	8.41E-10	1.23E-09	0.00E+00	2.07E-09
3298	440724.8	3768497	1.03E-08	1.26E-08	0.00E+00	2.29E-08	1.17E-08	1.83E-08	0.00E+00	3.00E-08	1.95E-09	3.12E-09	0.00E+00	5.08E-09	8.55E-10	1.25E-09	0.00E+00	2.11E-09
3299	440728.6	3768488	1.05E-08	1.28E-08	0.00E+00	2.33E-08	1.18E-08	1.86E-08	0.00E+00	3.05E-08	1.99E-09	3.17E-09	0.00E+00	5.16E-09	8.69E-10	1.27E-09	0.00E+00	2.14E-09
3300	440732.4	3768479	1.07E-08	1.30E-08	0.00E+00	2.37E-08	1.20E-08	1.89E-08	0.00E+00	3.09E-08	2.02E-09	3.22E-09	0.00E+00	5.24E-09	8.82E-10	1.29E-09	0.00E+00	2.17E-09
3301	440736.3	3768470	1.08E-08	1.32E-08	0.00E+00	2.40E-08	1.22E-08	1.92E-08	0.00E+00	3.14E-08	2.05E-09	3.27E-09	0.00E+00	5.31E-09	8.95E-10	1.31E-09	0.00E+00	2.20E-09
3302	440759.3	3768415	1.16E-08	1.41E-08	0.00E+00	2.57E-08	1.31E-08	2.06E-08	0.00E+00	3.36E-08	2.19E-09	3.51E-09	0.00E+00	5.70E-09	9.59E-10	1.40E-09	0.00E+00	2.36E-09
3303	440763.2	3768406	1.17E-08	1.43E-08	0.00E+00	2.60E-08	1.32E-08	2.07E-08	0.00E+00	3.39E-08	2.21E-09	3.53E-09	0.00E+00	5.75E-09	9.67E-10	1.42E-09	0.00E+00	2.38E-09
3304	440767	3768397	1.18E-08	1.44E-08	0.00E+00	2.62E-08	1.33E-08	2.09E-08	0.00E+00	3.42E-08	2.23E-09	3.56E-09	0.00E+00	5.79E-09	9.75E-10	1.43E-09	0.00E+00	2.40E-09
3305	440770.8	3768388	1.19E-08	1.45E-08	0.00E+00	2.64E-08	1.34E-08	2.11E-08	0.00E+00	3.45E-08	2.25E-09	3.59E-09	0.00E+00	5.84E-09	9.83E-10	1.44E-09	0.00E+00	2.42E-09
3306	440774.7	3768378	1.20E-08	1.46E-08	0.00E+00	2.66E-08	1.35E-08	2.12E-08	0.00E+00	3.48E-08	2.27E-09	3.62E-09	0.00E+00	5.89E-09	9.91E-10	1.45E-09	0.00E+00	2.44E-09
3307	440778.5	3768369	1.21E-08	1.47E-08	0.00E+00	2.68E-08	1.36E-08	2.14E-08	0.00E+00	3.50E-08	2.28E-09	3.65E-09	0.00E+00	5.94E-09	9.99E-10	1.46E-09	0.00E+00	2.46E-09
3308	440782.3	3768360	1.22E-08	1.48E-08	0.00E+00	2.70E-08	1.37E-08	2.16E-08	0.00E+00	3.53E-08	2.30E-09	3.68E-09	0.00E+00	5.98E-09	1.01E-09	1.47E-09	0.00E+00	2.48E-09
3309	440786.2	3768351	1.23E-08	1.50E-08	0.00E+00	2.73E-08	1.38E-08	2.18E-08	0.00E+00	3.56E-08	2.32E-09	3.71E-09	0.00E+00	6.03E-09	1.02E-09	1.49E-09	0.00E+00	2.50E-09
3310	440790	3768342	1.24E-08	1.51E-08	0.00E+00	2.75E-08	1.40E-08	2.19E-08	0.00E+00	3.59E-08	2.34E-09	3.74E-09	0.00E+00	6.08E-09	1.02E-09	1.50E-09	0.00E+00	2.52E-09
3311	440793.9	3768333	1.25E-08	1.52E-08	0.00E+00	2.77E-08	1.41E-08	2.21E-08	0.00E+00	3.62E-08	2.36E-09	3.77E-09	0.00E+00	6.13E-09	1.03E-09	1.51E-09	0.00E+00	2.54E-09
3312	441191.7	3767928	8.07E-09	9.84E-09	0.00E+00	1.79E-08	9.10E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.96E-09	6.67E-10	9.77E-10	0.00E+00	1.64E-09
3313	441200.8	3767924	7.94E-09	9.68E-09	0.00E+00	1.76E-08	8.95E-09	1.41E-08	0.00E+00	2.30E-08	1.50E-09	2.40E-09	0.00E+00	3.90E-09	6.57E-10	9.61E-10	0.00E+00	1.62E-09
3314	441210	3767920	7.81E-09	9.52E-09	0.00E+00	1.73E-08	8.80E-09	1.38E-08	0.00E+00	2.26E-08	1.48E-09	2.36E-09	0.00E+00	3.84E-09	6.46E-10	9.45E-10	0.00E+00	1.59E-09
3315	441219.2	3767917	7.66E-09	9.33E-09	0.00E+00	1.70E-08	8.63E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.31E-09	0.00E+00	3.76E-09	6.33E-10	9.26E-10	0.00E+00	1.56E-09
3316	441228.3	3767913	7.50E-09	9.14E-09	0.00E+00	1.66E-08	8.46E-09	1.33E-08	0.00E+00	2.17E-08	1.42E-09	2.27E-09	0.00E+00	3.68E-09	6.20E-10	9.08E-10	0.00E+00	1.53E-09
3317	441237.5	3767909	7.35E-09	8.96E-09	0.00E+00	1.63E-08	8.28E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.22E-09	0.00E+00	3.61E-09	6.08E-10	8.89E-10	0.00E+00	1.50E-09
3318	441246.7	3767905	7.21E-09	8.79E-09	0.00E+00	1.60E-08	8.13E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.54E-09	5.96E-10	8.73E-10	0.00E+00	1.47E-09
3319	441255.8	3767902	7.08E-09	8.63E-09	0.00E+00	1.57E-08	7.98E-09	1.25E-08	0.00E+00	2.05E-08	1.34E-09	2.14E-09	0.00E+00	3.48E-09	5.85E-10	8.57E-10	0.00E+00	1.44E-09
3320	441265	3767898	6.95E-09	8.47E-09	0.00E+00	1.54E-08	7.83E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.10E-09	0.00E+00	3.41E-09	5.75E-10	8.41E-10	0.00E+00	1.42E-09
3321	441274.2	3767894	6.82E-09	8.32E-09	0.00E+00	1.51E-08	7.69E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.35E-09	5.64E-10	8.26E-10	0.00E+00	1.39E-09
3322	441283.3	3767890	6.70E-09	8.17E-09	0.00E+00	1.49E-08	7.55E-09	1.19E-08	0.00E+00	1.94E-08	1.27E-09	2.02E-09	0.00E+00	3.29E-09	5.54E-10	8.11E-10	0.00E+00	1.36E-09
3323	441292.5	3767887	6.57E-09	8.01E-09	0.00E+00	1.46E-08	7.41E-09	1.16E-08	0.00E+00	1.91E-08	1.24E-09	1.99E-09	0.00E+00	3.23E-09	5.44E-10	7.96E-10	0.00E+00	1.34E-09
3324	441301.6	3767883	6.45E-09	7.86E-09	0.00E+00	1.43E-08	7.27E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.17E-09	5.33E-10	7.80E-10	0.00E+00	1.31E-09
3325	441310.8	3767879	6.31E-09	7.69E-09	0.00E+00	1.40E-08	7.11E-09	1.12E-08	0.00E+00	1.83E-08	1.19E-09	1.91E-09	0.00E+00	3.10E-09	5.22E-10	7.64E-10	0.00E+00	1.29E-09
3326	441320	3767875	6.18E-09	7.53E-09	0.00E+00	1.37E-08	6.97E-09	1.10E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.04E-09	5.11E-10	7.48E-10	0.00E+00	1.26E-09
3327	441329.1	3767872	6.05E-09	7.38E-09	0.00E+00	1.34E-08	6.82E-09	1.07E-08	0.00E+00	1.76E-08	1.14E-09	1.83E-09	0.00E+00	2.97E-09	5.01E-10	7.33E-10	0.00E+00	1.23E-09
3328	441338.3	3767868	5.94E-09	7.25E-09	0.00E+00	1.32E-08	6.70E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.80E-09	0.00E+00	2.92E-09	4.92E-10	7.19E-10	0.00E+00	1.21E-09
3329	441347.5	3767864	5.84E-09	7.11E-09	0.00E+00	1.30E-08	6.58E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.87E-09	4.83E-10	7.06E-10	0.00E+00	1.19E-09
3330	441356.6	3767860	5.73E-09	6.98E-09	0.00E+00	1.27E-08	6.46E-09	1.02E-08	0.00E+00	1.66E-08	1.08E-09	1.73E-09	0.00E+00	2.81E-09	4.74E-10	6.93E-10	0.00E+00	1.17E-09
3331	441365.8	3767857	5.62E-09	6.85E-09	0.00E+00	1.25E-08	6.34E-09	9.96E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.65E-10	6.80E-10	0.00E+00	1.15E-09
3332	441375	3767853	5.52E-09	6.73E-09	0.00E+00	1.23E-08	6.23E-09	9.79E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.57E-10	6.68E-10	0.00E+00	1.13E-09
3333	441384.1	3767849	5.43E-09	6.62E-09	0.00E+00	1.20E-08	6.12E-09	9.62E-09	0.00E+00	1.57E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.49E-10	6.57E-10	0.00E+00	1.11E-09
3334	441393.3	3767845	5.33E-09	6.50E-09	0.00E+00	1.18E-08	6.01E-09	9.45E-09	0.00E+00	1.55E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.41E-10	6.45E-10	0.00E+00	1.09E-09
3335	441402.5	3767842	5.24E-09	6.39E-09	0.00E+00	1.16E-08	5.90E-09	9.28E-09	0.00E+00	1.52E-08	9.90E-10	1.58E-09	0.00E+00	2.57E-09	4.33E-10	6.34E-10	0.00E+00	1.07E-09
3336	440709.2	3768563	9.46E-09	1.15E-08	0.00E+00	2.10E-08	1.07E-08	1.68E-08	0.00E+00	2.74E-08	1.79E-09	2.86E-09	0.00E+00	4.65E-09	7.82E-10	1.14E-09	0.00E+00	1.93E-09
3337	440709.2	3768573	9.38E-09	1.14E-08	0.00E+00	2.08E-08	1.06E-08	1.66E-08	0.00E+00	2.72E-08	1.77E-09	2.83E-09	0.00E+00	4.61E-09	7.76E-10	1.14E-09	0.00E+00	1.91E-09
3338	440709.1	3768583	9.30E-09	1.13E-08	0.00E+00	2.06E-08	1.05E-08	1.65E-08	0.00E+00	2.70E-08	1.76E-09	2.81E-09	0.00E+00	4.57E-09	7.69E-10	1.13E-09	0.00E+00	1.89E-09
3339	440709	3768593	9.20E-09	1.12E-08	0.00E+00	2.04E-08	1.04E-08	1.63E-08	0.00E+00	2.67E-08	1.74E-09	2.78E-09	0.00E+00	4.52E-09	7.61E-10	1.11E-09	0.00E+00	1.87E-09
3340	440709	3768603	9.10E-09	1.11E-08	0.00E+00	2.02E-08	1.03E-08	1.61E-08	0.00E+00	2.64E-08	1.72E-09	2.75E-09	0.00E+00	4.47E-09	7.52E-10	1.10E-09	0.00E+00	1.85E-09
3341	440708.9	3768613	8.98E-09	1.09E-08	0.00E+00	1.99E-08	1.01E-08	1.59E-08	0.00E+00	2.60E-08	1.70E-09	2.71E-09	0.00E+00	4.41E-09	7.42E-10	1.09E-09	0.00E+00	1.83E-09
3342	440708.9	3768623	8.80E-09	1.07E-08	0.00E+00	1.95E-08	9.92E-09	1.56E-08	0.00E+00	2.55E-08	1.66E-09	2.66E-09	0.00E+00	4.32E-09	7.28E-10	1.06E-09	0.00E+00	1.79E-09
3343	440677	3768515	8.96E-09	1.09E-08	0.00E+00	1.99E-08	1.01E-08	1.59E-08	0.00E+00	2.60E-08	1.69E-09	2.71E-09	0.00E+00	4.40E-09	7.41E-10	1.08E-09	0.00E+00	1.82E-09
3344	440680.7	3768506	9.10E-09	1.11E-08	0.00E+00	2.02E-08	1.03E-08	1.61E-08	0.00E+00	2.64E-08	1.72E-09	2.75E-09	0.00E+00	4.47E-09	7.52E-10	1.10E-09	0.00E+00	1.85E-09
3345	440684.5	3768497	9.24E-09	1.13E-08	0.00E+00	2.05E-08	1.04E-08	1.64E-08	0.00E+00	2.68E-08	1.75E-09	2.79E-09	0.00E+00	4.54E-09	7.64E-10	1.12E-09	0.00E+00	1.88E-09
3346	440688.3	3768488	9.38E-09	1.14E-08	0.00E+00	2.08E-08	1.06E-08	1.66E-08	0.00E+00	2.72E-08	1.77E-09	2.83E-09	0.00E+00	4.61E-09	7.76E-10	1.14E-09	0.00E+00	1.91E-09
3347	440692.1	3768479	9.52E-09	1.16E-08	0.00E+00	2.11E-08	1.07E-08	1.69E-08	0.00E+00	2.76E-08	1.80E-09	2.88E-09	0.00E+00	4.68E-09	7.88E-10	1.15E-09	0.00E+00	1.94E-09
3348	440695.9	3768470	9.66E-09	1.18E-08	0.00E+00	2.14E-08	1.09E-08	1.71E-08	0.00E+00	2.80E-08	1.83E-09	2.92E-09	0.00E+00	4.75E-09	7.99E-10	1.17E-09	0.00E+00	1.97E-09
3349	440699.6	3768461	9.79E-09	1.19E-08	0.00E+00	2.17E-08	1.10E-08	1.74E-08	0.00E+00	2.84E-08	1.85E-09	2.96E-09	0.00E+00	4.81E-09	8.10E-10	1.19E-09	0.00E+00	2.00E-09
3350	440718.5	3768417	1.04E-08	1.26E-08	0.00E+00	2.30E-08	1.17E-08	1.84E-08	0.00E+00	3.00E-08	1.96E-09	3.13E-09	0.00E+00	5.09E-09	8.56E-10	1.25E-09	0.00E+00	2.11E-09
3351	440722.3	3768408	1.05E-08	1.27E-08	0.00E+00	2.32E-08	1.18E-08	1.85E-08	0.00E+00	3.03E-08	1.98E-09	3.16E-09	0.00E+00	5.13E-09	8.64E-10	1.27E-09	0.00E+00	2.13E-09
3352	440726.1	3768399	1.05E-08	1.28E-08	0.00E+00	2.34E-08	1.19E-08	1.87E-08	0.00E+00	3.06E-08	1.99E-09	3.18E-09	0.00E+00	5.18E-09	8.71E-10	1.28E-09	0.00E+00	2.15E-09
3353	440729.9	3768390	1.06E-08	1.29E-08	0.00E+00	2.36E-08	1.20E-08	1.88E-08	0.00E+00	3.08E-08	2.01E-09	3.21E-09	0.00E+00	5.21E-09	8.78E-10	1.28E-09	0.00E+00	2.16E-09
3354	440733.6	3768381	1.07E-08	1.31E-08	0.00E+00	2.38E-08	1.21E-08	1.90E-08	0.00E+00	3.11E-08	2.03E-09	3.24E-09	0.00E+00	5.26E-09	8.86E-10	1.30E-09	0.00E+00	2.18E-09
3355	440737.4	3768372	1.08E-08	1.32E-08	0.00E+00	2.40E-08	1.22E-08	1.92E-08	0.00E+00	3.13E-08	2.04E-09	3.27E-09	0.00E+00	5.31E-09	8.94E-10	1.31E-09	0.00E+00	2.20E-09
3356	440741.2	3768363	1.09E-08	1.33E-08	0.00E+00	2.42E-08	1.23E-08	1.93E-08	0.00E+00	3.16E-08	2.06E-09	3.29E-09	0.00E+00	5.36E-09	9.02E-10	1.32E-09	0.00E+00	2.22E-09
3357	440745	3768354	1.10E-08	1.34E-08	0.00E+00	2.44E-08	1.24E-08	1.95E-08	0.00E+00	3.19E-08	2.08E-09	3.32E-09	0.00E+00	5.40E-09	9.09E-10	1.33E-09	0.00E+00	2.24E-09

3358	440748.8	3768345	1.11E-08	1.35E-08	0.00E+00	2.46E-08	1.25E-08	1.97E-08	0.00E+00	3.22E-08	2.10E-09	3.35E-09	0.00E+00	5.45E-09	9.17E-10	1.34E-09	0.00E+00	2.26E-09
3359	440752.5	3768336	1.12E-08	1.36E-08	0.00E+00	2.48E-08	1.26E-08	1.98E-08	0.00E+00	3.24E-08	2.12E-09	3.38E-09	0.00E+00	5.50E-09	9.25E-10	1.35E-09	0.00E+00	2.28E-09
3360	440756.3	3768327	1.13E-08	1.38E-08	0.00E+00	2.50E-08	1.27E-08	2.00E-08	0.00E+00	3.27E-08	2.13E-09	3.41E-09	0.00E+00	5.54E-09	9.33E-10	1.37E-09	0.00E+00	2.30E-09
3361	440760.1	3768318	1.14E-08	1.39E-08	0.00E+00	2.52E-08	1.28E-08	2.02E-08	0.00E+00	3.30E-08	2.15E-09	3.44E-09	0.00E+00	5.59E-09	9.41E-10	1.38E-09	0.00E+00	2.32E-09
3362	440763.9	3768309	1.15E-08	1.40E-08	0.00E+00	2.54E-08	1.29E-08	2.03E-08	0.00E+00	3.32E-08	2.17E-09	3.46E-09	0.00E+00	5.63E-09	9.48E-10	1.39E-09	0.00E+00	2.34E-09
3363	440767.6	3768300	1.16E-08	1.41E-08	0.00E+00	2.56E-08	1.30E-08	2.05E-08	0.00E+00	3.35E-08	2.18E-09	3.49E-09	0.00E+00	5.67E-09	9.55E-10	1.40E-09	0.00E+00	2.35E-09
3364	440775.2	3768282	1.17E-08	1.43E-08	0.00E+00	2.60E-08	1.32E-08	2.08E-08	0.00E+00	3.40E-08	2.21E-09	3.54E-09	0.00E+00	5.75E-09	9.68E-10	1.42E-09	0.00E+00	2.39E-09
3365	440779	3768273	1.18E-08	1.44E-08	0.00E+00	2.61E-08	1.33E-08	2.09E-08	0.00E+00	3.41E-08	2.23E-09	3.56E-09	0.00E+00	5.78E-09	9.74E-10	1.43E-09	0.00E+00	2.40E-09
3366	440782.8	3768264	1.18E-08	1.44E-08	0.00E+00	2.62E-08	1.33E-08	2.10E-08	0.00E+00	3.43E-08	2.24E-09	3.57E-09	0.00E+00	5.81E-09	9.78E-10	1.43E-09	0.00E+00	2.41E-09
3367	440786.5	3768255	1.19E-08	1.45E-08	0.00E+00	2.63E-08	1.34E-08	2.10E-08	0.00E+00	3.44E-08	2.24E-09	3.59E-09	0.00E+00	5.83E-09	9.81E-10	1.44E-09	0.00E+00	2.42E-09
3368	440790.3	3768246	1.19E-08	1.45E-08	0.00E+00	2.64E-08	1.34E-08	2.11E-08	0.00E+00	3.45E-08	2.25E-09	3.60E-09	0.00E+00	5.85E-09	9.85E-10	1.44E-09	0.00E+00	2.43E-09
3369	440794.1	3768237	1.19E-08	1.45E-08	0.00E+00	2.65E-08	1.34E-08	2.11E-08	0.00E+00	3.46E-08	2.26E-09	3.60E-09	0.00E+00	5.86E-09	9.86E-10	1.44E-09	0.00E+00	2.43E-09
3370	440797.9	3768228	1.19E-08	1.45E-08	0.00E+00	2.65E-08	1.34E-08	2.11E-08	0.00E+00	3.46E-08	2.25E-09	3.60E-09	0.00E+00	5.86E-09	9.86E-10	1.44E-09	0.00E+00	2.43E-09
3371	440801.7	3768219	1.19E-08	1.45E-08	0.00E+00	2.64E-08	1.34E-08	2.11E-08	0.00E+00	3.45E-08	2.25E-09	3.60E-09	0.00E+00	5.85E-09	9.85E-10	1.44E-09	0.00E+00	2.43E-09
3372	441195.3	3767887	7.25E-09	8.83E-09	0.00E+00	1.61E-08	8.17E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.19E-09	0.00E+00	3.56E-09	5.99E-10	8.77E-10	0.00E+00	1.48E-09
3373	441204.3	3767883	7.13E-09	8.70E-09	0.00E+00	1.58E-08	8.04E-09	1.26E-08	0.00E+00	2.07E-08	1.35E-09	2.16E-09	0.00E+00	3.50E-09	5.90E-10	8.63E-10	0.00E+00	1.45E-09
3374	441213.3	3767879	7.02E-09	8.56E-09	0.00E+00	1.56E-08	7.91E-09	1.24E-08	0.00E+00	2.04E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.80E-10	8.50E-10	0.00E+00	1.43E-09
3375	441222.3	3767875	6.91E-09	8.42E-09	0.00E+00	1.53E-08	7.78E-09	1.22E-08	0.00E+00	2.00E-08	1.31E-09	2.09E-09	0.00E+00	3.39E-09	5.71E-10	8.36E-10	0.00E+00	1.41E-09
3376	441231.3	3767872	6.79E-09	8.28E-09	0.00E+00	1.51E-08	7.66E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.34E-09	5.62E-10	8.22E-10	0.00E+00	1.38E-09
3377	441240.4	3767868	6.68E-09	8.14E-09	0.00E+00	1.48E-08	7.53E-09	1.18E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.52E-10	8.08E-10	0.00E+00	1.36E-09
3378	441249.4	3767864	6.57E-09	8.01E-09	0.00E+00	1.46E-08	7.40E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.23E-09	5.43E-10	7.95E-10	0.00E+00	1.34E-09
3379	441258.4	3767861	6.46E-09	7.87E-09	0.00E+00	1.43E-08	7.28E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.17E-09	5.34E-10	7.82E-10	0.00E+00	1.32E-09
3380	441267.4	3767857	6.35E-09	7.74E-09	0.00E+00	1.41E-08	7.16E-09	1.13E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.12E-09	5.25E-10	7.68E-10	0.00E+00	1.29E-09
3381	441276.4	3767853	6.24E-09	7.60E-09	0.00E+00	1.38E-08	7.03E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.88E-09	0.00E+00	3.06E-09	5.16E-10	7.55E-10	0.00E+00	1.27E-09
3382	441285.5	3767850	6.12E-09	7.46E-09	0.00E+00	1.36E-08	6.90E-09	1.08E-08	0.00E+00	1.77E-08	1.16E-09	1.85E-09	0.00E+00	3.01E-09	5.06E-10	7.41E-10	0.00E+00	1.25E-09
3383	441294.5	3767846	6.00E-09	7.32E-09	0.00E+00	1.33E-08	6.76E-09	1.06E-08	0.00E+00	1.74E-08	1.13E-09	1.81E-09	0.00E+00	2.95E-09	4.96E-10	7.26E-10	0.00E+00	1.22E-09
3384	441303.5	3767842	5.89E-09	7.18E-09	0.00E+00	1.31E-08	6.63E-09	1.04E-08	0.00E+00	1.71E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.87E-10	7.12E-10	0.00E+00	1.20E-09
3385	441312.5	3767839	5.77E-09	7.04E-09	0.00E+00	1.28E-08	6.51E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.84E-09	4.77E-10	6.99E-10	0.00E+00	1.18E-09
3386	441321.6	3767835	5.66E-09	6.90E-09	0.00E+00	1.26E-08	6.38E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.85E-10	0.00E+00	1.15E-09
3387	441330.6	3767831	5.55E-09	6.77E-09	0.00E+00	1.23E-08	6.26E-09	9.84E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.73E-09	4.59E-10	6.72E-10	0.00E+00	1.13E-09
3388	441339.6	3767827	5.45E-09	6.65E-09	0.00E+00	1.21E-08	6.15E-09	9.66E-09	0.00E+00	1.58E-08	1.03E-09	1.65E-09	0.00E+00	2.68E-09	4.51E-10	6.60E-10	0.00E+00	1.11E-09
3389	441348.6	3767824	5.36E-09	6.53E-09	0.00E+00	1.19E-08	6.04E-09	9.49E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.48E-10	0.00E+00	1.09E-09
3390	441357.6	3767820	5.26E-09	6.42E-09	0.00E+00	1.17E-08	5.93E-09	9.33E-09	0.00E+00	1.53E-08	9.95E-10	1.59E-09	0.00E+00	2.59E-09	4.35E-10	6.37E-10	0.00E+00	1.07E-09
3391	441366.7	3767816	5.17E-09	6.30E-09	0.00E+00	1.15E-08	5.83E-09	9.16E-09	0.00E+00	1.50E-08	9.77E-10	1.56E-09	0.00E+00	2.54E-09	4.28E-10	6.26E-10	0.00E+00	1.05E-09
3392	441375.7	3767813	5.08E-09	6.19E-09	0.00E+00	1.13E-08	5.73E-09	9.00E-09	0.00E+00	1.47E-08	9.60E-10	1.53E-09	0.00E+00	2.50E-09	4.20E-10	6.15E-10	0.00E+00	1.03E-09
3393	441384.7	3767809	4.99E-09	6.08E-09	0.00E+00	1.11E-08	5.63E-09	8.85E-09	0.00E+00	1.45E-08	9.44E-10	1.51E-09	0.00E+00	2.45E-09	4.13E-10	6.04E-10	0.00E+00	1.02E-09
3394	441393.7	3767805	4.91E-09	5.98E-09	0.00E+00	1.09E-08	5.53E-09	8.69E-09	0.00E+00	1.42E-08	9.27E-10	1.48E-09	0.00E+00	2.41E-09	4.06E-10	5.94E-10	0.00E+00	9.99E-10
3395	441402.7	3767802	4.82E-09	5.88E-09	0.00E+00	1.07E-08	5.44E-09	8.55E-09	0.00E+00	1.40E-08	9.12E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.84E-10	0.00E+00	9.83E-10
3396	440669.2	3768563	8.49E-09	1.04E-08	0.00E+00	1.88E-08	9.57E-09	1.50E-08	0.00E+00	2.46E-08	1.61E-09	2.57E-09	0.00E+00	4.17E-09	7.02E-10	1.03E-09	0.00E+00	1.73E-09
3397	440669.2	3768573	8.42E-09	1.03E-08	0.00E+00	1.87E-08	9.50E-09	1.49E-08	0.00E+00	2.44E-08	1.59E-09	2.55E-09	0.00E+00	4.14E-09	6.97E-10	1.02E-09	0.00E+00	1.72E-09
3398	440669.1	3768583	8.35E-09	1.02E-08	0.00E+00	1.85E-08	9.42E-09	1.48E-08	0.00E+00	2.42E-08	1.58E-09	2.52E-09	0.00E+00	4.10E-09	6.91E-10	1.01E-09	0.00E+00	1.70E-09
3399	440669	3768593	8.27E-09	1.01E-08	0.00E+00	1.83E-08	9.32E-09	1.47E-08	0.00E+00	2.40E-08	1.56E-09	2.50E-09	0.00E+00	4.06E-09	6.84E-10	1.00E-09	0.00E+00	1.68E-09
3400	440669	3768603	8.18E-09	9.97E-09	0.00E+00	1.81E-08	9.22E-09	1.45E-08	0.00E+00	2.37E-08	1.55E-09	2.47E-09	0.00E+00	4.02E-09	6.76E-10	9.90E-10	0.00E+00	1.67E-09
3401	440668.9	3768613	8.08E-09	9.85E-09	0.00E+00	1.79E-08	9.11E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.68E-10	9.78E-10	0.00E+00	1.65E-09
3402	440668.9	3768623	7.95E-09	9.69E-09	0.00E+00	1.76E-08	8.96E-09	1.41E-08	0.00E+00	2.30E-08	1.50E-09	2.40E-09	0.00E+00	3.90E-09	6.57E-10	9.62E-10	0.00E+00	1.62E-09
3403	440637	3768515	8.08E-09	9.85E-09	0.00E+00	1.79E-08	9.11E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.68E-10	9.78E-10	0.00E+00	1.65E-09
3404	440640.8	3768506	8.20E-09	1.00E-08	0.00E+00	1.82E-08	9.24E-09	1.45E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.03E-09	6.78E-10	9.92E-10	0.00E+00	1.67E-09
3405	440644.6	3768497	8.32E-09	1.01E-08	0.00E+00	1.85E-08	9.38E-09	1.47E-08	0.00E+00	2.41E-08	1.57E-09	2.51E-09	0.00E+00	4.09E-09	6.88E-10	1.01E-09	0.00E+00	1.69E-09
3406	440648.3	3768488	8.44E-09	1.03E-08	0.00E+00	1.87E-08	9.51E-09	1.50E-08	0.00E+00	2.45E-08	1.60E-09	2.55E-09	0.00E+00	4.15E-09	6.98E-10	1.02E-09	0.00E+00	1.72E-09
3407	440652.1	3768479	8.56E-09	1.04E-08	0.00E+00	1.90E-08	9.65E-09	1.52E-08	0.00E+00	2.48E-08	1.62E-09	2.59E-09	0.00E+00	4.20E-09	7.08E-10	1.04E-09	0.00E+00	1.74E-09
3408	440655.9	3768470	8.68E-09	1.06E-08	0.00E+00	1.93E-08	9.79E-09	1.54E-08	0.00E+00	2.52E-08	1.64E-09	2.62E-09	0.00E+00	4.27E-09	7.18E-10	1.05E-09	0.00E+00	1.77E-09
3409	440678.6	3768416	9.34E-09	1.14E-08	0.00E+00	2.07E-08	1.05E-08	1.66E-08	0.00E+00	2.71E-08	1.77E-09	2.82E-09	0.00E+00	4.59E-09	7.72E-10	1.13E-09	0.00E+00	1.90E-09
3410	440682.4	3768407	9.44E-09	1.15E-08	0.00E+00	2.09E-08	1.06E-08	1.67E-08	0.00E+00	2.74E-08	1.78E-09	2.85E-09	0.00E+00	4.64E-09	7.80E-10	1.14E-09	0.00E+00	1.92E-09
3411	440686.2	3768398	9.53E-09	1.16E-08	0.00E+00	2.11E-08	1.07E-08	1.69E-08	0.00E+00	2.76E-08	1.80E-09	2.88E-09	0.00E+00	4.68E-09	7.88E-10	1.15E-09	0.00E+00	1.94E-09
3412	440690	3768389	9.61E-09	1.17E-08	0.00E+00	2.13E-08	1.08E-08	1.70E-08	0.00E+00	2.79E-08	1.82E-09	2.90E-09	0.00E+00	4.72E-09	7.95E-10	1.16E-09	0.00E+00	1.96E-09
3413	440693.8	3768380	9.70E-09	1.18E-08	0.00E+00	2.15E-08	1.09E-08	1.72E-08	0.00E+00	2.81E-08	1.83E-09	2.93E-09	0.00E+00	4.77E-09	8.02E-10	1.17E-09	0.00E+00	1.98E-09
3414	440697.6	3768371	9.79E-09	1.19E-08	0.00E+00	2.17E-08	1.10E-08	1.73E-08	0.00E+00	2.84E-08	1.85E-09	2.96E-09	0.00E+00	4.81E-09	8.09E-10	1.18E-09	0.00E+00	1.99E-09
3415	440701.4	3768362	9.86E-09	1.20E-08	0.00E+00	2.19E-08	1.11E-08	1.75E-08	0.00E+00	2.86E-08	1.86E-09	2.98E-09	0.00E+00	4.84E-09	8.16E-10	1.19E-09	0.00E+00	2.01E-09
3416	440705.1	3768353	9.95E-09	1.21E-08	0.00E+00	2.21E-08	1.12E-08	1.76E-08	0.00E+00	2.89E-08	1.88E-09	3.01E-09	0.00E+00	4.89E-09	8.23E-10	1.20E-09	0.00E+00	2.03E-09
3417	440708.9	3768344	1.00E-08	1.22E-08	0.00E+00	2.23E-08	1.13E-08	1.78E-08	0.00E+00	2.91E-08	1.90E-09	3.03E-09	0.00E+00	4.93E-09	8.30E-10	1.22E-09	0.00E+00	2.05E-09
3418	440712.7	3768335	1.01E-08	1.23E-08	0.00E+00	2.25E-08	1.14E-08	1.79E-08	0.00E+00	2.94E-08	1.91E-09	3.06E-09	0.00E+00	4.97E-09	8.37E-10	1.23E-09	0.00E+00	2.06E-09
3419	440716.5	3768326	1.02E-08	1.24E-08	0.00E+00	2.27E-08	1.15E-08	1.81E-08	0.00E+00	2.96E-08	1.93E-09	3.08E-09	0.00E+00	5.01E-09	8.44E-10	1.24E-09	0.00E+00	2.08E-09
3420	440720.3	3768317	1.03E-08	1.25E-08	0.00E+00	2.28E-08	1.16E-08	1.82E-08	0.00E+00	2.98E-08	1.95E-09	3.11E-09	0.00E+00	5.06E-09	8.51E-10	1.25E-09	0.00E+00	2.10E-09
3421	440724.1	3768308	1.04E-08	1.27E-08	0.00E+00	2.30E-08	1.17E-08	1.84E-08	0.00E+00	3.01E-08	1.96E-09	3.14E-09	0.00E+00	5.10E-09	8.58E-10	1.26E-09	0.00E+00	2.11E-09
3422	440727.9	3768299	1.05E-08	1.28E-08	0.00E+00	2.32E-08	1.18E-08	1.85E-08	0.00E+00	3.03E-08	1.98E-09	3.16E-09	0.00E+00	5.14E-09	8.65E-10	1.27E-09	0.00E+00	2.13E-09
3423	440739.2	3768272	1.07E-08	1.30E-08	0.00E+00	2.37E-08	1.21E-08	1.90E-08	0.00E+00	3.10E-08	2.02E-09	3.23E-09	0.00E+00	5.25E-09	8.84E-10	1.29E-09	0.00E+00	2.18E-09
3424	440743	3768263	1.08E-08	1.31E-08	0.00E+00	2.39E-08	1.21E-08	1.91E-08	0.00E+00	3.12E-08	2.03E-09	3.25E-09	0.00E+00	5.28E-09	8.89E-10	1.30E-09	0.00E+00	2.19E-09
3425	440746.8	3768254	1.08E-08	1.32E-08	0.00E+00	2.39E-08	1.22E-08	1.91E-08	0.00E+00	3.13E-08	2.04E-09	3.26E-09	0.00E+00	5.30E-09	8.92E-10	1.31E-09	0.00E+00	2.20E-09
3426	440750.6	3768245	1.08E-08	1.32E-08	0.00E+00	2.40E-08	1.22E-08	1.92E-08	0.00E+00	3.14E-08	2.05E-09	3.27E-09	0.00E+00	5.32E-09	8.95E-10	1.31E-09	0.00E+00	2.21E-09
3427	440754.4	3768236	1.09E-08	1.32E-08	0.00E+00	2.41E-08	1.22E-08	1.92E-08	0.00E+00	3.15E-08	2.05E-09	3.28E-09	0.00E+00	5.33E-09	8.98E-10	1.31E-09	0.00E+00	2.21E-09
3428	440758.2	3768227	1.09E-08	1.33E-08	0.00E+00	2.41E-08	1.23E-08	1.93E-08	0.00E+00	3.16E-08	2.06E-09	3.29E-09	0.00E+00	5.34E-09	9.00E-10	1.32E-09	0.00E+00	2.22E-09
3429	440762	3768218	1.09E-08	1.33E-08	0.00E+00	2.42E-08	1.23E-08	1.93E-08	0.00E+00	3.16E-08	2.06E-09	3.29E-09	0.00E+00	5.35E-09	9.01E-10	1.32E-09	0.00E+00	2.22E-09
3430	441194.9	3767847	6.63E-09	8.08E-09	0.00E+00	1.47E-08	7.47E-09	1.17E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.25E-09	5.48E-10	8.02E-10	0.00E+00	1.35E-09
3431	441204	3767843	6.55E-09	7.98E-09	0.00E+00	1.45E-08	7.38E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.42E-10	7.93E-10	0.00E+00	1.33E-09
3432	441213	3767839	6.46E-09	7.88E-09	0.00E+00	1.43E-08	7.28E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.17E-09	5.34E-10	7.82E-10	0.00E+00	1.32E-09
3433	441222	3767836	6.35E-09	7.75E-09	0.00E+00	1.41E-08	7.16E-09	1.13E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.12E-09	5.25E-10	7.69E-10	0.00E+00	1.29E-09
3434	441231.1	3767832	6.25E-09	7.62E-09	0.00E+00	1.39E-08	7.04E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.17E-10	7.56E-10	0.00E+00	1.27E-09
3435	441240.1	3767828	6.15E-09	7.49E-09	0.00E+00	1.36E-08	6.93E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.86E-09	0.00E+00	3.02E-09	5.08E-10	7.44E-10	0.00E+00	1.25E-09
3436	441249.2	3767825	6.04E-09	7.37E-09	0.00E+00	1.34E-08	6.81E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.83E-09	0.00E+00	2.97E-09	5.00E-10	7.31E-10	0.00E+00	1.23E-09
3437	441258.2	3767821	5.94E-09	7.24E-09	0.00E+00	1.32E-08	6.70E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.80E-09	0.00E+00	2.92E-09	4.91E-10	7.19E-10	0.00E+00	1.21E-09
3438	441267.2	3767817	5.84E-09	7.12E-09	0.00E+00	1.30E-08	6.58E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.87E-09	4.83E-10	7.07E-10	0.00E+00	1.19E-09
3439	441276.3	3767813	5.73E-09	6.99E-09	0.00E+00	1.27E-08	6.46E-09	1.02E-08	0.00E+00	1.66E-08	1.08E-09	1.73E-09	0.00E+00	2.82E-09	4.74E-10	6.94E-10	0.00E+00	1.17E-09
3440	441285.3	3767810	5.63E-09	6.87E-09	0.00E+00	1.25E-08	6.35E-09	9.98E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.77E-09	4.66E-10	6.82E-10	0.00E+00	1.15E-09
3441	441294.4	3767806	5.53E-09	6.75E-09	0.00E+00	1.23E-08	6.24E-09	9.81E-09	0.00E+00	1.60E-08	1.05E-09	1.67E-09	0.00E+00	2.72E-09	4.58E-10	6.70E-10	0.00E+00	1.13E-09
3442	441303.4	3767802	5.44E-09	6.63E-09	0.00E+00	1.21E-08	6.13E-09	9.64E-09	0.00E+00	1.58E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.50E-10	6.58E-10	0.00E+00	1.11E-09
3443	441312.4	3767799	5.34E-09	6.51E-09	0.00E+00	1.19E-08	6.02E-09	9.47E-09	0.00E+00	1.55E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.42E-10	6.47E-10	0.00E+00	1.09E-09
3444	441321.5	3767795	5.25E-09	6.40E-09	0.00E+00	1.16E-08	5.91E-09	9.30E-09	0.00E+00	1.52E-08	9.92E-10	1.59E-09	0.00E+00	2.58E-09	4.34E-10	6.35E-10	0.00E+00	1.07E-09
3445	441330.5	3767791	5.15E-09	6.28E-09	0.00E+00	1.14E-08	5.81E-09	9.13E-09	0.00E+00	1.49E-08	9.74E-10	1.56E-09	0.00E+00	2.53E-09	4.26E-10	6.24E-10	0.00E+00	1.05E-09
3446	441339.6	3767787	5.06E-09	6.17E-09	0.00E+00	1.12E-08	5.70E-09	8.97E-09	0.00E+00	1.47E-08	9.57E-10	1.53E-09	0.00E+00	2.49E-09	4.18E-10	6.12E-10	0.00E+00	1.03E-09
3447	441348.6	3767784	4.97E-09	6.06E-09	0.00E+00	1.10E-08	5.60E-09	8.81E-09	0.00E+00	1.44E-08	9.40E-10	1.50E-09	0.00E+00	2.44E-09	4.11E-10	6.01E-10	0.00E+00	1.01E-09
3448	441357.6	3767780	4.88E-09	5.95E-09	0.00E+00	1.08E-08	5.50E-09	8.65E-09	0.00E+00	1.42E-08	9.23E-10	1.48E-09	0.00E+00	2.40E-09	4.04E-10	5.91E-10	0.00E+00	9.95E-10
3449	441366.7	3767776	4.80E-09	5.85E-09	0.00E+00	1.07E-08	5.41E-09	8.51E-09	0.00E+00	1.39E-08	9.07E-10	1.45E-09	0.00E+00	2.36E-09	3.97E-10	5.81E-10	0.00E+00	9.78E-10
3450	441375.7	3767773	4.72E-09	5.75E-09	0.00E+00	1.05E-08	5.32E-09	8.36E-09	0.00E+00	1.37E-08	8.92E-10	1.42E-09	0.00E+00	2.32E-09	3.90E-10	5.71E-10	0.00E+00	9.61E-10
3451	441384.8	3767769	4.63E-09	5.65E-09	0.00E+00	1.03E-08	5.22E-09	8.21E-09	0.00E+00	1.34E-08	8.76E-10	1.40E-09	0.00E+00	2.28E-09	3.83E-10	5.61E-10	0.00E+00	9.44E-10
3452	441393.8	3767765	4.55E-09	5.55E-09	0.00E+00	1.01E-08	5.13E-09	8.07E-09	0.00E+00	1.32E-08	8.61E-10	1.38E-09	0.00E+00	2.24E-09	3.77E-10	5.51E-10	0.00E+00	9.28E-10
3453	441402.8	3767762	4.48E-09	5.46E-09	0.00E+00	9.94E-09	5.05E-09	7.94E-09	0.00E+00	1.30E-08	8.47E-10	1.35E-09	0.00E+00	2.20E-09	3.70E-10	5.42E-10	0.00E+00	9.12E-10
3454	440629.2	3768563	7.67E-09	9.35E-09	0.00E+00	1.70E-08	8.65E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.32E-09	0.00E+00	3.77E-09	6.34E-10	9.29E-10	0.00E+00	1.56E-09
3455	440629.2	3768573	7.61E-09	9.28E-09	0.00E+00	1.69E-08	8.58E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.30E-09	0.00E+00	3.74E-09	6.29E-10	9.21E-10	0.00E+00	1.55E-09
3456	440629.1	3768583	7.54E-09	9.20E-09	0.00E+00	1.67E-08	8.50E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.28E-09	0.00E+00	3.71E-09	6.24E-10	9.13E-10	0.00E+00	1.54E-09
3457	440629	3768593	7.47E-09	9.11E-09	0.00E+00	1.66E-08	8.42E-09	1.32E-08	0.00E+00	2.17E-08	1.41E-09	2.26E-09	0.00E+00	3.67E-09	6.18E-10	9.05E-10	0.00E+00	1.52E-09
3458	440629	3768602	7.40E-09	9.02E-09	0.00E+00	1.64E-08	8.34E-09	1.31E-08	0.00E+00	2.15E-08	1.40E-09	2.24E-09	0.00E+00	3.64E-09	6.12E-10	8.96E-10	0.00E+00	1.51E-09
3459	440628.9	3768612	7.33E-09	8.93E-09	0.00E+00	1.63E-08	8.26E-09	1.30E-08	0.00E+00	2.12E-08	1.39E-09	2.21E-09	0.00E+00	3.60E-09	6.06E-10	8.87E-10	0.00E+00	1.49E-09
3460	440628.9	3768622	7.25E-09	8.84E-09	0.00E+00	1.61E-08	8.17E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.19E-09	0.00E+00	3.56E-09	5.99E-10	8.77E-10	0.00E+00	1.48E-09
3461	440608.4	3768488	7.65E-09	9.32E-09	0.00E+00	1.70E-08	8.62E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.31E-09	0.00E+00	3.76E-09	6.32E-10	9.26E-10	0.00E+00	1.56E-09
3462	440612.2	3768479	7.76E-09	9.46E-09	0.00E+00	1.72E-08	8.74E-09	1.37E-08	0.00E+00	2.25E-08	1.47E-09	2.34E-09	0.00E+00	3.81E-09	6.41E-10	9.39E-10	0.00E+00	1.58E-09
3463	440616	3768470	7.87E-09	9.59E-09	0.00E+00	1.75E-08	8.87E-09	1.39E-08	0.00E+00	2.28E-08	1.49E-09	2.38E-09	0.00E+00	3.86E-09	6.50E-10	9.52E-10	0.00E+00	1.60E-09
3464	440638.7	3768416	8.47E-09	1.03E-08	0.00E+00	1.88E-08	9.55E-09	1.50E-08	0.00E+00	2.46E-08	1.60E-09	2.56E-09	0.00E+00	4.16E-09	7.00E-10	1.03E-09	0.00E+00	1.73E-09
3465	440642.5	3768407	8.56E-09	1.04E-08	0.00E+00	1.90E-08	9.65E-09	1.52E-08	0.00E+00	2.48E-08	1.62E-09	2.59E-09	0.00E+00	4.21E-09	7.08E-10	1.04E-09	0.00E+00	1.74E-09
3466	440646.3	3768398	8.65E-09	1.06E-08	0.00E+00	1.92E-08	9.75E-09	1.53E-08	0.00E+00	2.51E-08	1.64E-09	2.61E-09	0.00E+00	4.25E-09	7.16E-10	1.05E-09	0.00E+00	1.76E-09
3467	440650.1	3768389	8.74E-09	1.07E-08	0.00E+00	1.94E-08	9.85E-09	1.55E-08	0.00E+00	2.53E-08	1.65E-09	2.64E-09	0.00E+00	4.29E-09	7.23E-10	1.06E-09	0.00E+00	1.78E-09
3468	440653.9	3768379	8.83E-09	1.08E-08	0.00E+00	1.96E-08	9.95E-09	1.56E-08	0.00E+00	2.56E-08	1.67E-09	2.67E-09	0.00E+00	4.34E-09	7.30E-10	1.07E-09	0.00E+00	1.80E-09
3469	440657.7	3768370	8.92E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.38E-09	7.38E-10	1.08E-09	0.00E+00	1.82E-09

3470	440661.5	3768361	9.02E-09	1.10E-08	0.00E+00	2.00E-08	1.02E-08	1.60E-08	0.00E+00	2.61E-08	1.70E-09	2.72E-09	0.00E+00	4.43E-09	7.46E-10	1.09E-09	0.00E+00	1.84E-09
3471	440665.3	3768352	9.11E-09	1.11E-08	0.00E+00	2.02E-08	1.03E-08	1.61E-08	0.00E+00	2.64E-08	1.72E-09	2.75E-09	0.00E+00	4.48E-09	7.53E-10	1.10E-09	0.00E+00	1.86E-09
3472	440669.1	3768343	9.21E-09	1.12E-08	0.00E+00	2.04E-08	1.04E-08	1.63E-08	0.00E+00	2.67E-08	1.74E-09	2.78E-09	0.00E+00	4.52E-09	7.61E-10	1.11E-09	0.00E+00	1.88E-09
3473	440672.9	3768334	9.28E-09	1.13E-08	0.00E+00	2.06E-08	1.05E-08	1.65E-08	0.00E+00	2.69E-08	1.76E-09	2.80E-09	0.00E+00	4.56E-09	7.68E-10	1.12E-09	0.00E+00	1.89E-09
3474	440676.7	3768325	9.35E-09	1.14E-08	0.00E+00	2.08E-08	1.05E-08	1.66E-08	0.00E+00	2.71E-08	1.77E-09	2.83E-09	0.00E+00	4.59E-09	7.73E-10	1.13E-09	0.00E+00	1.91E-09
3475	440680.5	3768316	9.42E-09	1.15E-08	0.00E+00	2.09E-08	1.06E-08	1.67E-08	0.00E+00	2.73E-08	1.78E-09	2.84E-09	0.00E+00	4.62E-09	7.79E-10	1.14E-09	0.00E+00	1.92E-09
3476	440684.3	3768307	9.48E-09	1.16E-08	0.00E+00	2.10E-08	1.07E-08	1.68E-08	0.00E+00	2.75E-08	1.79E-09	2.86E-09	0.00E+00	4.65E-09	7.84E-10	1.15E-09	0.00E+00	1.93E-09
3477	440913.8	3767922	8.56E-09	1.04E-08	0.00E+00	1.90E-08	9.65E-09	1.52E-08	0.00E+00	2.48E-08	1.62E-09	2.59E-09	0.00E+00	4.21E-09	7.08E-10	1.04E-09	0.00E+00	1.74E-09
3478	441076.8	3767855	7.36E-09	8.97E-09	0.00E+00	1.63E-08	8.30E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.22E-09	0.00E+00	3.61E-09	6.08E-10	8.91E-10	0.00E+00	1.50E-09
3479	441085.9	3767851	7.28E-09	8.87E-09	0.00E+00	1.61E-08	8.20E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.57E-09	6.02E-10	8.81E-10	0.00E+00	1.48E-09
3480	441131.2	3767833	6.79E-09	8.28E-09	0.00E+00	1.51E-08	7.65E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.34E-09	5.61E-10	8.22E-10	0.00E+00	1.38E-09
3481	441140.3	3767829	6.68E-09	8.15E-09	0.00E+00	1.48E-08	7.53E-09	1.18E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.53E-10	8.09E-10	0.00E+00	1.36E-09
3482	441149.3	3767825	6.58E-09	8.02E-09	0.00E+00	1.46E-08	7.41E-09	1.17E-08	0.00E+00	1.91E-08	1.24E-09	1.99E-09	0.00E+00	3.23E-09	5.44E-10	7.96E-10	0.00E+00	1.34E-09
3483	441158.4	3767822	6.48E-09	7.90E-09	0.00E+00	1.44E-08	7.31E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.18E-09	5.36E-10	7.85E-10	0.00E+00	1.32E-09
3484	441167.4	3767818	6.39E-09	7.79E-09	0.00E+00	1.42E-08	7.21E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.29E-10	7.74E-10	0.00E+00	1.30E-09
3485	441194.6	3767807	6.14E-09	7.48E-09	0.00E+00	1.36E-08	6.92E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.85E-09	0.00E+00	3.02E-09	5.08E-10	7.43E-10	0.00E+00	1.25E-09
3486	441203.7	3767803	6.05E-09	7.37E-09	0.00E+00	1.34E-08	6.82E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.83E-09	0.00E+00	2.97E-09	5.00E-10	7.32E-10	0.00E+00	1.23E-09
3487	441212.7	3767800	5.96E-09	7.26E-09	0.00E+00	1.32E-08	6.71E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.93E-09	4.92E-10	7.21E-10	0.00E+00	1.21E-09
3488	441221.8	3767796	5.86E-09	7.14E-09	0.00E+00	1.30E-08	6.60E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.77E-09	0.00E+00	2.88E-09	4.84E-10	7.09E-10	0.00E+00	1.19E-09
3489	441230.8	3767792	5.76E-09	7.02E-09	0.00E+00	1.28E-08	6.49E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.76E-10	6.97E-10	0.00E+00	1.17E-09
3490	441239.9	3767788	5.66E-09	6.90E-09	0.00E+00	1.26E-08	6.38E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.85E-10	0.00E+00	1.15E-09
3491	441249	3767785	5.55E-09	6.77E-09	0.00E+00	1.23E-08	6.26E-09	9.84E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.73E-09	4.59E-10	6.72E-10	0.00E+00	1.13E-09
3492	441258	3767781	5.45E-09	6.65E-09	0.00E+00	1.21E-08	6.15E-09	9.66E-09	0.00E+00	1.58E-08	1.03E-09	1.65E-09	0.00E+00	2.68E-09	4.51E-10	6.60E-10	0.00E+00	1.11E-09
3493	441267.1	3767777	5.35E-09	6.53E-09	0.00E+00	1.19E-08	6.03E-09	9.49E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.48E-10	0.00E+00	1.09E-09
3494	441276.1	3767774	5.27E-09	6.42E-09	0.00E+00	1.17E-08	5.94E-09	9.33E-09	0.00E+00	1.53E-08	9.95E-10	1.59E-09	0.00E+00	2.59E-09	4.35E-10	6.37E-10	0.00E+00	1.07E-09
3495	441285.2	3767770	5.18E-09	6.32E-09	0.00E+00	1.15E-08	5.84E-09	9.19E-09	0.00E+00	1.50E-08	9.80E-10	1.57E-09	0.00E+00	2.55E-09	4.29E-10	6.27E-10	0.00E+00	1.06E-09
3496	441294.3	3767766	5.10E-09	6.22E-09	0.00E+00	1.13E-08	5.75E-09	9.04E-09	0.00E+00	1.48E-08	9.65E-10	1.54E-09	0.00E+00	2.51E-09	4.22E-10	6.18E-10	0.00E+00	1.04E-09
3497	441303.3	3767762	5.02E-09	6.12E-09	0.00E+00	1.11E-08	5.66E-09	8.90E-09	0.00E+00	1.46E-08	9.49E-10	1.52E-09	0.00E+00	2.47E-09	4.15E-10	6.08E-10	0.00E+00	1.02E-09
3498	441312.4	3767759	4.94E-09	6.02E-09	0.00E+00	1.10E-08	5.56E-09	8.75E-09	0.00E+00	1.43E-08	9.33E-10	1.49E-09	0.00E+00	2.42E-09	4.08E-10	5.97E-10	0.00E+00	1.01E-09
3499	441321.4	3767755	4.85E-09	5.91E-09	0.00E+00	1.08E-08	5.47E-09	8.59E-09	0.00E+00	1.41E-08	9.17E-10	1.47E-09	0.00E+00	2.38E-09	4.01E-10	5.87E-10	0.00E+00	9.88E-10
3500	441330.5	3767751	4.77E-09	5.81E-09	0.00E+00	1.06E-08	5.37E-09	8.44E-09	0.00E+00	1.38E-08	9.01E-10	1.44E-09	0.00E+00	2.34E-09	3.94E-10	5.77E-10	0.00E+00	9.71E-10
3501	441339.5	3767748	4.68E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.30E-09	0.00E+00	1.36E-08	8.85E-10	1.41E-09	0.00E+00	2.30E-09	3.87E-10	5.67E-10	0.00E+00	9.54E-10
3502	441348.6	3767744	4.60E-09	5.61E-09	0.00E+00	1.02E-08	5.19E-09	8.15E-09	0.00E+00	1.33E-08	8.70E-10	1.39E-09	0.00E+00	2.26E-09	3.80E-10	5.57E-10	0.00E+00	9.37E-10
3503	441357.7	3767740	4.52E-09	5.51E-09	0.00E+00	1.00E-08	5.10E-09	8.01E-09	0.00E+00	1.31E-08	8.55E-10	1.37E-09	0.00E+00	2.22E-09	3.74E-10	5.47E-10	0.00E+00	9.21E-10
3504	441366.7	3767736	4.44E-09	5.42E-09	0.00E+00	9.86E-09	5.01E-09	7.88E-09	0.00E+00	1.29E-08	8.40E-10	1.34E-09	0.00E+00	2.18E-09	3.68E-10	5.38E-10	0.00E+00	9.05E-10
3505	441375.8	3767733	4.37E-09	5.33E-09	0.00E+00	9.71E-09	4.93E-09	7.75E-09	0.00E+00	1.27E-08	8.27E-10	1.32E-09	0.00E+00	2.15E-09	3.62E-10	5.29E-10	0.00E+00	8.91E-10
3506	441384.8	3767729	4.31E-09	5.25E-09	0.00E+00	9.56E-09	4.86E-09	7.63E-09	0.00E+00	1.25E-08	8.14E-10	1.30E-09	0.00E+00	2.12E-09	3.56E-10	5.21E-10	0.00E+00	8.78E-10
3507	441393.9	3767725	4.24E-09	5.16E-09	0.00E+00	9.40E-09	4.78E-09	7.51E-09	0.00E+00	1.23E-08	8.01E-10	1.28E-09	0.00E+00	2.08E-09	3.50E-10	5.13E-10	0.00E+00	8.63E-10
3508	441403	3767722	4.16E-09	5.07E-09	0.00E+00	9.23E-09	4.69E-09	7.37E-09	0.00E+00	1.21E-08	7.87E-10	1.26E-09	0.00E+00	2.04E-09	3.44E-10	5.04E-10	0.00E+00	8.48E-10
3509	440557	3768515	6.66E-09	8.12E-09	0.00E+00	1.48E-08	7.51E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.01E-09	0.00E+00	3.27E-09	5.51E-10	8.06E-10	0.00E+00	1.36E-09
3510	440560.8	3768506	6.75E-09	8.23E-09	0.00E+00	1.50E-08	7.61E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.58E-10	8.17E-10	0.00E+00	1.38E-09
3511	440564.6	3768496	6.85E-09	8.35E-09	0.00E+00	1.52E-08	7.72E-09	1.21E-08	0.00E+00	1.99E-08	1.29E-09	2.07E-09	0.00E+00	3.36E-09	5.66E-10	8.29E-10	0.00E+00	1.40E-09
3512	440568.4	3768487	6.95E-09	8.47E-09	0.00E+00	1.54E-08	7.83E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.10E-09	0.00E+00	3.41E-09	5.75E-10	8.41E-10	0.00E+00	1.42E-09
3513	440572.2	3768478	7.05E-09	8.59E-09	0.00E+00	1.56E-08	7.94E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.13E-09	0.00E+00	3.46E-09	5.83E-10	8.53E-10	0.00E+00	1.44E-09
3514	440576	3768469	7.15E-09	8.71E-09	0.00E+00	1.59E-08	8.06E-09	1.27E-08	0.00E+00	2.07E-08	1.35E-09	2.16E-09	0.00E+00	3.51E-09	5.91E-10	8.65E-10	0.00E+00	1.46E-09
3515	440610.2	3768388	7.93E-09	9.67E-09	0.00E+00	1.76E-08	8.94E-09	1.41E-08	0.00E+00	2.30E-08	1.50E-09	2.40E-09	0.00E+00	3.90E-09	6.56E-10	9.60E-10	0.00E+00	1.62E-09
3516	440614	3768379	8.00E-09	9.75E-09	0.00E+00	1.78E-08	9.02E-09	1.42E-08	0.00E+00	2.32E-08	1.51E-09	2.42E-09	0.00E+00	3.93E-09	6.62E-10	9.68E-10	0.00E+00	1.63E-09
3517	440617.8	3768370	8.07E-09	9.84E-09	0.00E+00	1.79E-08	9.10E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.96E-09	6.67E-10	9.77E-10	0.00E+00	1.64E-09
3518	440621.6	3768361	8.14E-09	9.92E-09	0.00E+00	1.81E-08	9.18E-09	1.44E-08	0.00E+00	2.36E-08	1.54E-09	2.46E-09	0.00E+00	4.00E-09	6.73E-10	9.85E-10	0.00E+00	1.66E-09
3519	440625.4	3768352	8.22E-09	1.00E-08	0.00E+00	1.82E-08	9.27E-09	1.46E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.04E-09	6.80E-10	9.95E-10	0.00E+00	1.67E-09
3520	440629.2	3768343	8.31E-09	1.01E-08	0.00E+00	1.84E-08	9.36E-09	1.47E-08	0.00E+00	2.41E-08	1.57E-09	2.51E-09	0.00E+00	4.08E-09	6.87E-10	1.01E-09	0.00E+00	1.69E-09
3521	440633	3768334	8.39E-09	1.02E-08	0.00E+00	1.86E-08	9.46E-09	1.49E-08	0.00E+00	2.43E-08	1.59E-09	2.54E-09	0.00E+00	4.12E-09	6.94E-10	1.02E-09	0.00E+00	1.71E-09
3522	440636.8	3768325	8.47E-09	1.03E-08	0.00E+00	1.88E-08	9.55E-09	1.50E-08	0.00E+00	2.46E-08	1.60E-09	2.56E-09	0.00E+00	4.16E-09	7.01E-10	1.03E-09	0.00E+00	1.73E-09
3523	440640.6	3768316	8.55E-09	1.04E-08	0.00E+00	1.90E-08	9.64E-09	1.51E-08	0.00E+00	2.48E-08	1.62E-09	2.58E-09	0.00E+00	4.20E-09	7.07E-10	1.03E-09	0.00E+00	1.74E-09
3524	440644.4	3768307	8.62E-09	1.05E-08	0.00E+00	1.91E-08	9.72E-09	1.53E-08	0.00E+00	2.50E-08	1.63E-09	2.60E-09	0.00E+00	4.23E-09	7.13E-10	1.04E-09	0.00E+00	1.76E-09
3525	440777.5	3767990	8.68E-09	1.06E-08	0.00E+00	1.93E-08	9.79E-09	1.54E-08	0.00E+00	2.52E-08	1.64E-09	2.62E-09	0.00E+00	4.27E-09	7.18E-10	1.05E-09	0.00E+00	1.77E-09
3526	440781.3	3767981	8.60E-09	1.05E-08	0.00E+00	1.91E-08	9.70E-09	1.52E-08	0.00E+00	2.49E-08	1.63E-09	2.60E-09	0.00E+00	4.23E-09	7.11E-10	1.04E-09	0.00E+00	1.75E-09
3527	440813.2	3767923	8.08E-09	9.85E-09	0.00E+00	1.79E-08	9.11E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.68E-10	9.78E-10	0.00E+00	1.65E-09
3528	440822.3	3767920	8.09E-09	9.86E-09	0.00E+00	1.79E-08	9.12E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.69E-10	9.79E-10	0.00E+00	1.65E-09
3529	440831.3	3767916	8.09E-09	9.86E-09	0.00E+00	1.80E-08	9.12E-09	1.43E-08	0.00E+00	2.35E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.69E-10	9.79E-10	0.00E+00	1.65E-09
3530	440840.4	3767912	8.09E-09	9.87E-09	0.00E+00	1.80E-08	9.12E-09	1.43E-08	0.00E+00	2.35E-08	1.53E-09	2.45E-09	0.00E+00	3.97E-09	6.69E-10	9.79E-10	0.00E+00	1.65E-09
3531	440849.5	3767908	8.09E-09	9.86E-09	0.00E+00	1.79E-08	9.12E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.69E-10	9.79E-10	0.00E+00	1.65E-09
3532	440858.6	3767905	8.08E-09	9.85E-09	0.00E+00	1.79E-08	9.10E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.68E-10	9.77E-10	0.00E+00	1.65E-09
3533	440867.6	3767901	8.06E-09	9.83E-09	0.00E+00	1.79E-08	9.09E-09	1.43E-08	0.00E+00	2.34E-08	1.52E-09	2.44E-09	0.00E+00	3.96E-09	6.66E-10	9.75E-10	0.00E+00	1.64E-09
3534	440876.7	3767897	8.04E-09	9.80E-09	0.00E+00	1.78E-08	9.06E-09	1.42E-08	0.00E+00	2.33E-08	1.52E-09	2.43E-09	0.00E+00	3.95E-09	6.65E-10	9.73E-10	0.00E+00	1.64E-09
3535	440885.8	3767893	8.02E-09	9.78E-09	0.00E+00	1.78E-08	9.04E-09	1.42E-08	0.00E+00	2.33E-08	1.52E-09	2.42E-09	0.00E+00	3.94E-09	6.63E-10	9.71E-10	0.00E+00	1.63E-09
3536	440894.9	3767890	8.00E-09	9.75E-09	0.00E+00	1.78E-08	9.02E-09	1.42E-08	0.00E+00	2.32E-08	1.51E-09	2.42E-09	0.00E+00	3.93E-09	6.61E-10	9.68E-10	0.00E+00	1.63E-09
3537	440903.9	3767886	7.98E-09	9.72E-09	0.00E+00	1.77E-08	8.99E-09	1.41E-08	0.00E+00	2.31E-08	1.51E-09	2.41E-09	0.00E+00	3.92E-09	6.60E-10	9.65E-10	0.00E+00	1.62E-09
3538	440913	3767882	7.95E-09	9.69E-09	0.00E+00	1.76E-08	8.96E-09	1.41E-08	0.00E+00	2.31E-08	1.50E-09	2.40E-09	0.00E+00	3.91E-09	6.57E-10	9.62E-10	0.00E+00	1.62E-09
3539	440922.1	3767879	7.91E-09	9.65E-09	0.00E+00	1.76E-08	8.92E-09	1.40E-08	0.00E+00	2.29E-08	1.50E-09	2.39E-09	0.00E+00	3.89E-09	6.54E-10	9.58E-10	0.00E+00	1.61E-09
3540	440931.2	3767875	7.87E-09	9.59E-09	0.00E+00	1.75E-08	8.87E-09	1.39E-08	0.00E+00	2.28E-08	1.49E-09	2.38E-09	0.00E+00	3.86E-09	6.50E-10	9.52E-10	0.00E+00	1.60E-09
3541	440940.2	3767871	7.82E-09	9.53E-09	0.00E+00	1.74E-08	8.81E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.36E-09	0.00E+00	3.84E-09	6.47E-10	9.46E-10	0.00E+00	1.59E-09
3542	440949.3	3767867	7.77E-09	9.47E-09	0.00E+00	1.72E-08	8.75E-09	1.38E-08	0.00E+00	2.25E-08	1.47E-09	2.35E-09	0.00E+00	3.81E-09	6.42E-10	9.40E-10	0.00E+00	1.58E-09
3543	440958.4	3767864	7.71E-09	9.40E-09	0.00E+00	1.71E-08	8.70E-09	1.37E-08	0.00E+00	2.24E-08	1.46E-09	2.33E-09	0.00E+00	3.79E-09	6.38E-10	9.34E-10	0.00E+00	1.57E-09
3544	440967.5	3767860	7.66E-09	9.34E-09	0.00E+00	1.70E-08	8.64E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.32E-09	0.00E+00	3.76E-09	6.34E-10	9.28E-10	0.00E+00	1.56E-09
3545	440976.5	3767856	7.61E-09	9.27E-09	0.00E+00	1.69E-08	8.57E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.30E-09	0.00E+00	3.74E-09	6.29E-10	9.21E-10	0.00E+00	1.55E-09
3546	440985.6	3767853	7.54E-09	9.19E-09	0.00E+00	1.67E-08	8.50E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.28E-09	0.00E+00	3.70E-09	6.23E-10	9.12E-10	0.00E+00	1.54E-09
3547	440994.7	3767849	7.47E-09	9.10E-09	0.00E+00	1.66E-08	8.42E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.26E-09	0.00E+00	3.67E-09	6.17E-10	9.04E-10	0.00E+00	1.52E-09
3548	441003.8	3767845	7.39E-09	9.01E-09	0.00E+00	1.64E-08	8.33E-09	1.31E-08	0.00E+00	2.14E-08	1.40E-09	2.23E-09	0.00E+00	3.63E-09	6.11E-10	8.94E-10	0.00E+00	1.51E-09
3549	441012.8	3767841	7.31E-09	8.91E-09	0.00E+00	1.62E-08	8.24E-09	1.30E-08	0.00E+00	2.12E-08	1.38E-09	2.21E-09	0.00E+00	3.59E-09	6.04E-10	8.85E-10	0.00E+00	1.49E-09
3550	441021.9	3767838	7.23E-09	8.81E-09	0.00E+00	1.60E-08	8.15E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.18E-09	0.00E+00	3.55E-09	5.98E-10	8.75E-10	0.00E+00	1.47E-09
3551	441031	3767834	7.14E-09	8.71E-09	0.00E+00	1.59E-08	8.05E-09	1.27E-08	0.00E+00	2.07E-08	1.35E-09	2.16E-09	0.00E+00	3.51E-09	5.91E-10	8.65E-10	0.00E+00	1.46E-09
3552	441040.1	3767830	7.07E-09	8.62E-09	0.00E+00	1.57E-08	7.97E-09	1.25E-08	0.00E+00	2.05E-08	1.34E-09	2.14E-09	0.00E+00	3.47E-09	5.84E-10	8.55E-10	0.00E+00	1.44E-09
3553	441049.1	3767827	6.99E-09	8.52E-09	0.00E+00	1.55E-08	7.88E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.11E-09	0.00E+00	3.43E-09	5.78E-10	8.46E-10	0.00E+00	1.42E-09
3554	441058.2	3767823	6.91E-09	8.43E-09	0.00E+00	1.53E-08	7.79E-09	1.22E-08	0.00E+00	2.00E-08	1.31E-09	2.09E-09	0.00E+00	3.39E-09	5.71E-10	8.36E-10	0.00E+00	1.41E-09
3555	441067.3	3767819	6.84E-09	8.34E-09	0.00E+00	1.52E-08	7.71E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.07E-09	0.00E+00	3.36E-09	5.65E-10	8.28E-10	0.00E+00	1.39E-09
3556	441076.4	3767815	6.77E-09	8.25E-09	0.00E+00	1.50E-08	7.63E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.60E-10	8.19E-10	0.00E+00	1.38E-09
3557	441085.4	3767812	6.69E-09	8.16E-09	0.00E+00	1.48E-08	7.54E-09	1.19E-08	0.00E+00	1.94E-08	1.27E-09	2.02E-09	0.00E+00	3.29E-09	5.53E-10	8.10E-10	0.00E+00	1.36E-09
3558	441094.5	3767808	6.61E-09	8.06E-09	0.00E+00	1.47E-08	7.45E-09	1.17E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.25E-09	5.47E-10	8.00E-10	0.00E+00	1.35E-09
3559	441103.6	3767804	6.52E-09	7.95E-09	0.00E+00	1.45E-08	7.35E-09	1.16E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.39E-10	7.90E-10	0.00E+00	1.33E-09
3560	441112.7	3767801	6.44E-09	7.85E-09	0.00E+00	1.43E-08	7.26E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.94E-09	0.00E+00	3.16E-09	5.32E-10	7.79E-10	0.00E+00	1.31E-09
3561	441121.7	3767797	6.35E-09	7.74E-09	0.00E+00	1.41E-08	7.16E-09	1.13E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.12E-09	5.25E-10	7.69E-10	0.00E+00	1.29E-09
3562	441130.8	3767793	6.27E-09	7.64E-09	0.00E+00	1.39E-08	7.07E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.89E-09	0.00E+00	3.08E-09	5.18E-10	7.59E-10	0.00E+00	1.28E-09
3563	441139.9	3767789	6.19E-09	7.55E-09	0.00E+00	1.37E-08	6.98E-09	1.10E-08	0.00E+00	1.80E-08	1.17E-09	1.87E-09	0.00E+00	3.04E-09	5.12E-10	7.49E-10	0.00E+00	1.26E-09
3564	441149	3767786	6.11E-09	7.45E-09	0.00E+00	1.36E-08	6.89E-09	1.08E-08	0.00E+00	1.77E-08	1.16E-09	1.85E-09	0.00E+00	3.00E-09	5.05E-10	7.40E-10	0.00E+00	1.25E-09
3565	441158	3767782	6.03E-09	7.36E-09	0.00E+00	1.34E-08	6.80E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.82E-09	0.00E+00	2.96E-09	4.99E-10	7.30E-10	0.00E+00	1.23E-09
3566	441194.3	3767767	5.70E-09	6.94E-09	0.00E+00	1.26E-08	6.42E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.71E-10	6.89E-10	0.00E+00	1.16E-09
3567	441203.4	3767763	5.60E-09	6.82E-09	0.00E+00	1.24E-08	6.31E-09	9.92E-09	0.00E+00	1.62E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.63E-10	6.78E-10	0.00E+00	1.14E-09
3568	441212.5	3767760	5.50E-09	6.70E-09	0.00E+00	1.22E-08	6.20E-09	9.74E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.55E-10	6.65E-10	0.00E+00	1.12E-09
3569	441221.6	3767756	5.39E-09	6.57E-09	0.00E+00	1.20E-08	6.08E-09	9.56E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.65E-09	4.46E-10	6.53E-10	0.00E+00	1.10E-09
3570	441230.6	3767752	5.29E-09	6.44E-09	0.00E+00	1.17E-08	5.96E-09	9.37E-09	0.00E+00	1.53E-08	9.99E-10	1.60E-09	0.00E+00	2.60E-09	4.37E-10	6.40E-10	0.00E+00	1.08E-09
3571	441239.7	3767749	5.18E-09	6.31E-09	0.00E+00	1.15E-08	5.84E-09	9.17E-09	0.00E+00	1.50E-08	9.79E-10	1.56E-09	0.00E+00	2.54E-09	4.28E-10	6.27E-10	0.00E+00	1.05E-09
3572	441248.8	3767745	5.08E-09	6.20E-09	0.00E+00	1.13E-08	5.73E-09	9.01E-09	0.00E+00	1.47E-08	9.61E-10	1.54E-09	0.00E+00	2.50E-09	4.20E-10	6.15E-10	0.00E+00	1.04E-09
3573	441257.9	3767741	4.99E-09	6.09E-09	0.00E+00	1.11E-08	5.63E-09	8.85E-09	0.00E+00	1.45E-08	9.44E-10	1.51E-09	0.00E+00	2.45E-09	4.13E-10	6.04E-10	0.00E+00	1.02E-09
3574	441266.9	3767737	4.91E-09	5.98E-09	0.00E+00	1.09E-08	5.53E-09	8.69E-09	0.00E+00	1.42E-08	9.28E-10	1.48E-09	0.00E+00	2.41E-09	4.06E-10	5.94E-10	0.00E+00	1.00E-09
3575	441276	3767734	4.83E-09	5.88E-09	0.00E+00	1.07E-08	5.44E-09	8.55E-09	0.00E+00	1.40E-08	9.13E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.84E-10	0.00E+00	9.83E-10
3576	441285.1	3767730	4.75E-09	5.80E-09	0.00E+00	1.05E-08	5.36E-09	8.42E-09	0.00E+00	1.38E-08	8.99E-10	1.44E-09	0.00E+00	2.33E-09	3.93E-10	5.75E-10	0.00E+00	9.68E-10
3577	441294.2	3767726	4.68E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.30E-09	0.00E+00	1.36E-08	8.85E-10	1.41E-09	0.00E+00	2.30E-09	3.87E-10	5.67E-10	0.00E+00	9.54E-10
3578	441303.2	3767722	4.61E-09	5.62E-09	0.00E+00	1.02E-08	5.19E-09	8.16E-09	0.00E+00	1.34E-08	8.71E-10	1.39E-09	0.00E+00	2.26E-09	3.81E-10	5.57E-10	0.00E+00	9.38E-10
3579	441312.3	3767719	4.53E-09	5.52E-09	0.00E+00	1.01E-08	5.11E-09	8.03E-09	0.00E+00	1.31E-08	8.57E-10	1.37E-09	0.00E+00	2.23E-09	3.75E-10	5.48E-10	0.00E+00	9.23E-10
3580	441321.4	3767715	4.46E-09	5.44E-09	0.00E+00	9.90E-09	5.03E-09	7.90E-09	0.00E+00	1.29E-08	8.43E-10	1.35E-09	0.00E+00	2.19E-09	3.69E-10	5.40E-10	0.00E+00	9.08E-10
3581	441330.5	3767711	4.39E-09	5.35E-09	0.00E+00	9.74E-09	4.95E-09	7.78E-09	0.00E+00	1.27E-08	8.30E-10	1.33E-09	0.00E+00	2.16E-09	3.63E-10	5.31E-10	0.00E+00	8.94E-10

3582	441339.5	3767708	4.32E-09	5.26E-09	0.00E+00	9.58E-09	4.87E-09	7.65E-09	0.00E+00	1.25E-08	8.16E-10	1.30E-09	0.00E+00	2.12E-09	3.57E-10	5.23E-10	0.00E+00	8.80E-10
3583	441348.6	3767704	4.25E-09	5.18E-09	0.00E+00	9.43E-09	4.79E-09	7.53E-09	0.00E+00	1.23E-08	8.03E-10	1.28E-09	0.00E+00	2.09E-09	3.51E-10	5.14E-10	0.00E+00	8.65E-10
3584	441357.7	3767700	4.18E-09	5.10E-09	0.00E+00	9.28E-09	4.71E-09	7.41E-09	0.00E+00	1.21E-08	7.90E-10	1.26E-09	0.00E+00	2.05E-09	3.46E-10	5.06E-10	0.00E+00	8.51E-10
3585	441366.8	3767696	4.12E-09	5.02E-09	0.00E+00	9.14E-09	4.64E-09	7.30E-09	0.00E+00	1.19E-08	7.79E-10	1.24E-09	0.00E+00	2.02E-09	3.41E-10	4.99E-10	0.00E+00	8.39E-10
3586	441375.8	3767693	4.06E-09	4.95E-09	0.00E+00	9.01E-09	4.57E-09	7.19E-09	0.00E+00	1.18E-08	7.67E-10	1.23E-09	0.00E+00	1.99E-09	3.36E-10	4.91E-10	0.00E+00	8.27E-10
3587	441384.9	3767689	4.00E-09	4.87E-09	0.00E+00	8.87E-09	4.51E-09	7.09E-09	0.00E+00	1.16E-08	7.56E-10	1.21E-09	0.00E+00	1.96E-09	3.31E-10	4.84E-10	0.00E+00	8.15E-10
3588	441394	3767685	3.93E-09	4.80E-09	0.00E+00	8.73E-09	4.43E-09	6.97E-09	0.00E+00	1.14E-08	7.44E-10	1.19E-09	0.00E+00	1.93E-09	3.25E-10	4.76E-10	0.00E+00	8.01E-10
3589	441403.1	3767682	3.87E-09	4.71E-09	0.00E+00	8.58E-09	4.36E-09	6.85E-09	0.00E+00	1.12E-08	7.31E-10	1.17E-09	0.00E+00	1.90E-09	3.20E-10	4.68E-10	0.00E+00	7.88E-10
3590	440549.2	3768572	6.33E-09	7.71E-09	0.00E+00	1.40E-08	7.13E-09	1.12E-08	0.00E+00	1.83E-08	1.20E-09	1.91E-09	0.00E+00	3.11E-09	5.23E-10	7.66E-10	0.00E+00	1.29E-09
3591	440549.1	3768582	6.27E-09	7.65E-09	0.00E+00	1.39E-08	7.07E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.90E-09	0.00E+00	3.08E-09	5.19E-10	7.59E-10	0.00E+00	1.28E-09
3592	440549.1	3768592	6.22E-09	7.58E-09	0.00E+00	1.38E-08	7.01E-09	1.10E-08	0.00E+00	1.80E-08	1.18E-09	1.88E-09	0.00E+00	3.05E-09	5.14E-10	7.52E-10	0.00E+00	1.27E-09
3593	440549	3768602	6.16E-09	7.51E-09	0.00E+00	1.37E-08	6.94E-09	1.09E-08	0.00E+00	1.79E-08	1.16E-09	1.86E-09	0.00E+00	3.03E-09	5.09E-10	7.45E-10	0.00E+00	1.25E-09
3594	440548.9	3768612	6.10E-09	7.43E-09	0.00E+00	1.35E-08	6.87E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	3.00E-09	5.04E-10	7.38E-10	0.00E+00	1.24E-09
3595	440548.9	3768622	6.03E-09	7.36E-09	0.00E+00	1.34E-08	6.80E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.82E-09	0.00E+00	2.96E-09	4.99E-10	7.30E-10	0.00E+00	1.23E-09
3596	440517	3768514	6.11E-09	7.45E-09	0.00E+00	1.36E-08	6.89E-09	1.08E-08	0.00E+00	1.77E-08	1.16E-09	1.85E-09	0.00E+00	3.00E-09	5.05E-10	7.40E-10	0.00E+00	1.24E-09
3597	440520.8	3768505	6.18E-09	7.54E-09	0.00E+00	1.37E-08	6.97E-09	1.10E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.04E-09	5.11E-10	7.48E-10	0.00E+00	1.26E-09
3598	440524.6	3768496	6.26E-09	7.63E-09	0.00E+00	1.39E-08	7.06E-09	1.11E-08	0.00E+00	1.82E-08	1.18E-09	1.89E-09	0.00E+00	3.08E-09	5.18E-10	7.58E-10	0.00E+00	1.28E-09
3599	440528.4	3768487	6.34E-09	7.73E-09	0.00E+00	1.41E-08	7.15E-09	1.12E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.11E-09	5.24E-10	7.67E-10	0.00E+00	1.29E-09
3600	440532.3	3768478	6.42E-09	7.83E-09	0.00E+00	1.43E-08	7.24E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.31E-10	7.77E-10	0.00E+00	1.31E-09
3601	440536.1	3768469	6.51E-09	7.94E-09	0.00E+00	1.44E-08	7.34E-09	1.15E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.38E-10	7.88E-10	0.00E+00	1.33E-09
3602	440558.9	3768415	7.00E-09	8.53E-09	0.00E+00	1.55E-08	7.89E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.11E-09	0.00E+00	3.44E-09	5.79E-10	8.47E-10	0.00E+00	1.43E-09
3603	440562.7	3768406	7.07E-09	8.62E-09	0.00E+00	1.57E-08	7.97E-09	1.25E-08	0.00E+00	2.05E-08	1.34E-09	2.14E-09	0.00E+00	3.47E-09	5.85E-10	8.56E-10	0.00E+00	1.44E-09
3604	440566.5	3768397	7.15E-09	8.71E-09	0.00E+00	1.59E-08	8.06E-09	1.27E-08	0.00E+00	2.07E-08	1.35E-09	2.16E-09	0.00E+00	3.51E-09	5.91E-10	8.65E-10	0.00E+00	1.46E-09
3605	440570.3	3768388	7.22E-09	8.80E-09	0.00E+00	1.60E-08	8.14E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.55E-09	5.97E-10	8.74E-10	0.00E+00	1.47E-09
3606	440574.1	3768378	7.29E-09	8.88E-09	0.00E+00	1.62E-08	8.21E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.58E-09	6.02E-10	8.82E-10	0.00E+00	1.48E-09
3607	440741.7	3767980	8.19E-09	9.99E-09	0.00E+00	1.82E-08	9.24E-09	1.45E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.02E-09	6.77E-10	9.92E-10	0.00E+00	1.67E-09
3608	440745.5	3767971	8.12E-09	9.90E-09	0.00E+00	1.80E-08	9.15E-09	1.44E-08	0.00E+00	2.35E-08	1.53E-09	2.45E-09	0.00E+00	3.99E-09	6.71E-10	9.83E-10	0.00E+00	1.65E-09
3609	440749.3	3767962	8.05E-09	9.82E-09	0.00E+00	1.79E-08	9.08E-09	1.43E-08	0.00E+00	2.34E-08	1.52E-09	2.43E-09	0.00E+00	3.96E-09	6.66E-10	9.75E-10	0.00E+00	1.64E-09
3610	440753.1	3767953	7.99E-09	9.74E-09	0.00E+00	1.77E-08	9.01E-09	1.42E-08	0.00E+00	2.32E-08	1.51E-09	2.41E-09	0.00E+00	3.93E-09	6.61E-10	9.67E-10	0.00E+00	1.63E-09
3611	440756.9	3767944	7.93E-09	9.67E-09	0.00E+00	1.76E-08	8.94E-09	1.41E-08	0.00E+00	2.30E-08	1.50E-09	2.40E-09	0.00E+00	3.90E-09	6.56E-10	9.60E-10	0.00E+00	1.62E-09
3612	440760.7	3767935	7.86E-09	9.58E-09	0.00E+00	1.74E-08	8.86E-09	1.39E-08	0.00E+00	2.28E-08	1.49E-09	2.38E-09	0.00E+00	3.86E-09	6.50E-10	9.51E-10	0.00E+00	1.60E-09
3613	440764.5	3767926	7.78E-09	9.48E-09	0.00E+00	1.73E-08	8.77E-09	1.38E-08	0.00E+00	2.26E-08	1.47E-09	2.35E-09	0.00E+00	3.82E-09	6.43E-10	9.41E-10	0.00E+00	1.58E-09
3614	440794.1	3767891	7.57E-09	9.22E-09	0.00E+00	1.68E-08	8.53E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.29E-09	0.00E+00	3.72E-09	6.26E-10	9.16E-10	0.00E+00	1.54E-09
3615	440803.2	3767887	7.57E-09	9.23E-09	0.00E+00	1.68E-08	8.53E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.29E-09	0.00E+00	3.72E-09	6.26E-10	9.16E-10	0.00E+00	1.54E-09
3616	440812.3	3767884	7.57E-09	9.23E-09	0.00E+00	1.68E-08	8.53E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.29E-09	0.00E+00	3.72E-09	6.26E-10	9.16E-10	0.00E+00	1.54E-09
3617	440821.4	3767880	7.56E-09	9.22E-09	0.00E+00	1.68E-08	8.53E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.29E-09	0.00E+00	3.71E-09	6.25E-10	9.15E-10	0.00E+00	1.54E-09
3618	440830.5	3767876	7.55E-09	9.21E-09	0.00E+00	1.68E-08	8.52E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.28E-09	0.00E+00	3.71E-09	6.25E-10	9.14E-10	0.00E+00	1.54E-09
3619	440839.6	3767872	7.54E-09	9.19E-09	0.00E+00	1.67E-08	8.50E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.28E-09	0.00E+00	3.70E-09	6.23E-10	9.12E-10	0.00E+00	1.54E-09
3620	440848.7	3767869	7.52E-09	9.16E-09	0.00E+00	1.67E-08	8.47E-09	1.33E-08	0.00E+00	2.18E-08	1.42E-09	2.27E-09	0.00E+00	3.69E-09	6.22E-10	9.10E-10	0.00E+00	1.53E-09
3621	440857.8	3767865	7.50E-09	9.14E-09	0.00E+00	1.66E-08	8.45E-09	1.33E-08	0.00E+00	2.17E-08	1.42E-09	2.26E-09	0.00E+00	3.68E-09	6.20E-10	9.07E-10	0.00E+00	1.53E-09
3622	440866.9	3767861	7.48E-09	9.12E-09	0.00E+00	1.66E-08	8.43E-09	1.33E-08	0.00E+00	2.17E-08	1.41E-09	2.26E-09	0.00E+00	3.67E-09	6.18E-10	9.05E-10	0.00E+00	1.52E-09
3623	440875.9	3767858	7.46E-09	9.09E-09	0.00E+00	1.65E-08	8.40E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.25E-09	0.00E+00	3.66E-09	6.17E-10	9.02E-10	0.00E+00	1.52E-09
3624	440885	3767854	7.43E-09	9.06E-09	0.00E+00	1.65E-08	8.38E-09	1.32E-08	0.00E+00	2.15E-08	1.40E-09	2.24E-09	0.00E+00	3.65E-09	6.14E-10	8.99E-10	0.00E+00	1.51E-09
3625	440894.1	3767850	7.40E-09	9.02E-09	0.00E+00	1.64E-08	8.34E-09	1.31E-08	0.00E+00	2.14E-08	1.40E-09	2.23E-09	0.00E+00	3.63E-09	6.12E-10	8.95E-10	0.00E+00	1.51E-09
3626	440903.2	3767846	7.36E-09	8.98E-09	0.00E+00	1.63E-08	8.30E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.22E-09	0.00E+00	3.62E-09	6.09E-10	8.91E-10	0.00E+00	1.50E-09
3627	440912.3	3767843	7.33E-09	8.94E-09	0.00E+00	1.63E-08	8.26E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.21E-09	0.00E+00	3.60E-09	6.06E-10	8.87E-10	0.00E+00	1.49E-09
3628	440921.4	3767839	7.30E-09	8.90E-09	0.00E+00	1.62E-08	8.23E-09	1.29E-08	0.00E+00	2.12E-08	1.38E-09	2.21E-09	0.00E+00	3.59E-09	6.04E-10	8.83E-10	0.00E+00	1.49E-09
3629	440930.5	3767835	7.27E-09	8.86E-09	0.00E+00	1.61E-08	8.19E-09	1.29E-08	0.00E+00	2.11E-08	1.37E-09	2.20E-09	0.00E+00	3.57E-09	6.01E-10	8.79E-10	0.00E+00	1.48E-09
3630	440939.6	3767832	7.23E-09	8.82E-09	0.00E+00	1.60E-08	8.15E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.18E-09	0.00E+00	3.55E-09	5.98E-10	8.75E-10	0.00E+00	1.47E-09
3631	440948.7	3767828	7.18E-09	8.76E-09	0.00E+00	1.59E-08	8.10E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.94E-10	8.70E-10	0.00E+00	1.46E-09
3632	440957.8	3767824	7.13E-09	8.70E-09	0.00E+00	1.58E-08	8.04E-09	1.26E-08	0.00E+00	2.07E-08	1.35E-09	2.15E-09	0.00E+00	3.50E-09	5.90E-10	8.63E-10	0.00E+00	1.45E-09
3633	440966.8	3767820	7.08E-09	8.63E-09	0.00E+00	1.57E-08	7.98E-09	1.25E-08	0.00E+00	2.05E-08	1.34E-09	2.14E-09	0.00E+00	3.48E-09	5.85E-10	8.56E-10	0.00E+00	1.44E-09
3634	440975.9	3767817	7.02E-09	8.56E-09	0.00E+00	1.56E-08	7.91E-09	1.24E-08	0.00E+00	2.03E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.80E-10	8.49E-10	0.00E+00	1.43E-09
3635	440985	3767813	6.96E-09	8.48E-09	0.00E+00	1.54E-08	7.84E-09	1.23E-08	0.00E+00	2.02E-08	1.32E-09	2.10E-09	0.00E+00	3.42E-09	5.75E-10	8.42E-10	0.00E+00	1.42E-09
3636	440994.1	3767809	6.90E-09	8.41E-09	0.00E+00	1.53E-08	7.77E-09	1.22E-08	0.00E+00	2.00E-08	1.30E-09	2.08E-09	0.00E+00	3.39E-09	5.70E-10	8.35E-10	0.00E+00	1.40E-09
3637	441003.2	3767805	6.83E-09	8.32E-09	0.00E+00	1.52E-08	7.70E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.35E-09	5.65E-10	8.26E-10	0.00E+00	1.39E-09
3638	441012.3	3767802	6.75E-09	8.23E-09	0.00E+00	1.50E-08	7.61E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.58E-10	8.17E-10	0.00E+00	1.38E-09
3639	441021.4	3767798	6.68E-09	8.14E-09	0.00E+00	1.48E-08	7.52E-09	1.18E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.52E-10	8.08E-10	0.00E+00	1.36E-09
3640	441030.5	3767794	6.60E-09	8.04E-09	0.00E+00	1.46E-08	7.44E-09	1.17E-08	0.00E+00	1.91E-08	1.25E-09	1.99E-09	0.00E+00	3.24E-09	5.45E-10	7.98E-10	0.00E+00	1.34E-09
3641	441039.6	3767791	6.53E-09	7.97E-09	0.00E+00	1.45E-08	7.37E-09	1.16E-08	0.00E+00	1.89E-08	1.24E-09	1.97E-09	0.00E+00	3.21E-09	5.40E-10	7.91E-10	0.00E+00	1.33E-09
3642	441048.7	3767787	6.47E-09	7.89E-09	0.00E+00	1.44E-08	7.29E-09	1.15E-08	0.00E+00	1.88E-08	1.22E-09	1.95E-09	0.00E+00	3.18E-09	5.35E-10	7.83E-10	0.00E+00	1.32E-09
3643	441057.7	3767783	6.40E-09	7.81E-09	0.00E+00	1.42E-08	7.22E-09	1.13E-08	0.00E+00	1.86E-08	1.21E-09	1.93E-09	0.00E+00	3.15E-09	5.30E-10	7.75E-10	0.00E+00	1.30E-09
3644	441066.8	3767779	6.33E-09	7.71E-09	0.00E+00	1.40E-08	7.13E-09	1.12E-08	0.00E+00	1.83E-08	1.20E-09	1.91E-09	0.00E+00	3.11E-09	5.23E-10	7.66E-10	0.00E+00	1.29E-09
3645	441075.9	3767776	6.25E-09	7.61E-09	0.00E+00	1.39E-08	7.04E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.16E-10	7.56E-10	0.00E+00	1.27E-09
3646	441085	3767772	6.16E-09	7.51E-09	0.00E+00	1.37E-08	6.95E-09	1.09E-08	0.00E+00	1.79E-08	1.16E-09	1.86E-09	0.00E+00	3.03E-09	5.09E-10	7.46E-10	0.00E+00	1.26E-09
3647	441094.1	3767768	6.08E-09	7.41E-09	0.00E+00	1.35E-08	6.85E-09	1.08E-08	0.00E+00	1.76E-08	1.15E-09	1.84E-09	0.00E+00	2.98E-09	5.03E-10	7.36E-10	0.00E+00	1.24E-09
3648	441103.2	3767764	6.00E-09	7.31E-09	0.00E+00	1.33E-08	6.76E-09	1.06E-08	0.00E+00	1.74E-08	1.13E-09	1.81E-09	0.00E+00	2.94E-09	4.96E-10	7.26E-10	0.00E+00	1.22E-09
3649	441112.3	3767761	5.91E-09	7.21E-09	0.00E+00	1.31E-08	6.67E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.79E-09	0.00E+00	2.90E-09	4.89E-10	7.16E-10	0.00E+00	1.20E-09
3650	441121.4	3767757	5.84E-09	7.11E-09	0.00E+00	1.29E-08	6.58E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.87E-09	4.83E-10	7.06E-10	0.00E+00	1.19E-09
3651	441130.5	3767753	5.77E-09	7.04E-09	0.00E+00	1.28E-08	6.51E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.77E-10	6.99E-10	0.00E+00	1.18E-09
3652	441139.6	3767750	5.71E-09	6.96E-09	0.00E+00	1.27E-08	6.43E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.72E-10	6.91E-10	0.00E+00	1.16E-09
3653	441148.7	3767746	5.64E-09	6.88E-09	0.00E+00	1.25E-08	6.36E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.70E-09	0.00E+00	2.77E-09	4.66E-10	6.83E-10	0.00E+00	1.15E-09
3654	441157.7	3767742	5.57E-09	6.79E-09	0.00E+00	1.24E-08	6.28E-09	9.87E-09	0.00E+00	1.62E-08	1.05E-09	1.68E-09	0.00E+00	2.74E-09	4.61E-10	6.74E-10	0.00E+00	1.14E-09
3655	441194.1	3767727	5.24E-09	6.38E-09	0.00E+00	1.16E-08	5.90E-09	9.28E-09	0.00E+00	1.52E-08	9.90E-10	1.58E-09	0.00E+00	2.57E-09	4.33E-10	6.34E-10	0.00E+00	1.07E-09
3656	441203.2	3767724	5.13E-09	6.26E-09	0.00E+00	1.14E-08	5.79E-09	9.10E-09	0.00E+00	1.49E-08	9.71E-10	1.55E-09	0.00E+00	2.52E-09	4.24E-10	6.21E-10	0.00E+00	1.05E-09
3657	441212.3	3767720	5.03E-09	6.13E-09	0.00E+00	1.12E-08	5.67E-09	8.92E-09	0.00E+00	1.46E-08	9.51E-10	1.52E-09	0.00E+00	2.47E-09	4.16E-10	6.09E-10	0.00E+00	1.02E-09
3658	441221.4	3767716	4.94E-09	6.02E-09	0.00E+00	1.10E-08	5.56E-09	8.75E-09	0.00E+00	1.43E-08	9.33E-10	1.49E-09	0.00E+00	2.42E-09	4.08E-10	5.97E-10	0.00E+00	1.01E-09
3659	441230.5	3767712	4.85E-09	5.91E-09	0.00E+00	1.08E-08	5.46E-09	8.59E-09	0.00E+00	1.41E-08	9.16E-10	1.46E-09	0.00E+00	2.38E-09	4.01E-10	5.87E-10	0.00E+00	9.87E-10
3660	441239.6	3767709	4.76E-09	5.80E-09	0.00E+00	1.06E-08	5.37E-09	8.44E-09	0.00E+00	1.38E-08	9.00E-10	1.44E-09	0.00E+00	2.34E-09	3.94E-10	5.76E-10	0.00E+00	9.70E-10
3661	441248.6	3767705	4.69E-09	5.72E-09	0.00E+00	1.04E-08	5.29E-09	8.31E-09	0.00E+00	1.36E-08	8.87E-10	1.42E-09	0.00E+00	2.30E-09	3.88E-10	5.68E-10	0.00E+00	9.55E-10
3662	441257.7	3767701	4.62E-09	5.63E-09	0.00E+00	1.02E-08	5.21E-09	8.18E-09	0.00E+00	1.34E-08	8.73E-10	1.40E-09	0.00E+00	2.27E-09	3.82E-10	5.59E-10	0.00E+00	9.41E-10
3663	441266.8	3767697	4.55E-09	5.55E-09	0.00E+00	1.01E-08	5.13E-09	8.07E-09	0.00E+00	1.32E-08	8.61E-10	1.38E-09	0.00E+00	2.24E-09	3.76E-10	5.51E-10	0.00E+00	9.28E-10
3664	441275.9	3767694	4.49E-09	5.47E-09	0.00E+00	9.95E-09	5.06E-09	7.95E-09	0.00E+00	1.30E-08	8.48E-10	1.36E-09	0.00E+00	2.20E-09	3.71E-10	5.43E-10	0.00E+00	9.14E-10
3665	441285	3767690	4.42E-09	5.38E-09	0.00E+00	9.80E-09	4.98E-09	7.83E-09	0.00E+00	1.28E-08	8.35E-10	1.33E-09	0.00E+00	2.17E-09	3.65E-10	5.35E-10	0.00E+00	9.00E-10
3666	441294.1	3767686	4.35E-09	5.30E-09	0.00E+00	9.65E-09	4.90E-09	7.71E-09	0.00E+00	1.26E-08	8.22E-10	1.31E-09	0.00E+00	2.14E-09	3.60E-10	5.26E-10	0.00E+00	8.86E-10
3667	441303.2	3767683	4.28E-09	5.22E-09	0.00E+00	9.51E-09	4.83E-09	7.59E-09	0.00E+00	1.24E-08	8.10E-10	1.29E-09	0.00E+00	2.10E-09	3.54E-10	5.18E-10	0.00E+00	8.73E-10
3668	441312.3	3767679	4.22E-09	5.15E-09	0.00E+00	9.37E-09	4.76E-09	7.48E-09	0.00E+00	1.22E-08	7.98E-10	1.28E-09	0.00E+00	2.07E-09	3.49E-10	5.11E-10	0.00E+00	8.60E-10
3669	441321.4	3767675	4.16E-09	5.07E-09	0.00E+00	9.22E-09	4.69E-09	7.37E-09	0.00E+00	1.21E-08	7.86E-10	1.26E-09	0.00E+00	2.04E-09	3.44E-10	5.03E-10	0.00E+00	8.47E-10
3670	441330.5	3767671	4.09E-09	4.99E-09	0.00E+00	9.08E-09	4.61E-09	7.25E-09	0.00E+00	1.19E-08	7.73E-10	1.24E-09	0.00E+00	2.01E-09	3.38E-10	4.95E-10	0.00E+00	8.33E-10
3671	441339.5	3767668	4.03E-09	4.91E-09	0.00E+00	8.94E-09	4.54E-09	7.14E-09	0.00E+00	1.17E-08	7.62E-10	1.22E-09	0.00E+00	1.98E-09	3.33E-10	4.88E-10	0.00E+00	8.21E-10
3672	441348.6	3767664	3.97E-09	4.84E-09	0.00E+00	8.80E-09	4.47E-09	7.03E-09	0.00E+00	1.15E-08	7.50E-10	1.20E-09	0.00E+00	1.95E-09	3.28E-10	4.80E-10	0.00E+00	8.08E-10
3673	441357.7	3767660	3.91E-09	4.76E-09	0.00E+00	8.67E-09	4.41E-09	6.93E-09	0.00E+00	1.13E-08	7.39E-10	1.18E-09	0.00E+00	1.92E-09	3.23E-10	4.73E-10	0.00E+00	7.96E-10
3674	441366.8	3767656	3.85E-09	4.69E-09	0.00E+00	8.54E-09	4.34E-09	6.82E-09	0.00E+00	1.12E-08	7.28E-10	1.16E-09	0.00E+00	1.89E-09	3.18E-10	4.66E-10	0.00E+00	7.84E-10
3675	441375.9	3767653	3.79E-09	4.62E-09	0.00E+00	8.42E-09	4.27E-09	6.72E-09	0.00E+00	1.10E-08	7.17E-10	1.15E-09	0.00E+00	1.86E-09	3.14E-10	4.59E-10	0.00E+00	7.73E-10
3676	441385	3767649	3.74E-09	4.55E-09	0.00E+00	8.29E-09	4.21E-09	6.62E-09	0.00E+00	1.08E-08	7.06E-10	1.13E-09	0.00E+00	1.83E-09	3.09E-10	4.52E-10	0.00E+00	7.61E-10
3677	441394.1	3767645	3.68E-09	4.49E-09	0.00E+00	8.17E-09	4.15E-09	6.52E-09	0.00E+00	1.07E-08	6.96E-10	1.11E-09	0.00E+00	1.81E-09	3.04E-10	4.45E-10	0.00E+00	7.50E-10
3678	441403.2	3767642	3.63E-09	4.42E-09	0.00E+00	8.05E-09	4.09E-09	6.43E-09	0.00E+00	1.05E-08	6.85E-10	1.10E-09	0.00E+00	1.78E-09	3.00E-10	4.39E-10	0.00E+00	7.39E-10
3679	440509.2	3768572	5.81E-09	7.08E-09	0.00E+00	1.29E-08	6.55E-09	1.03E-08	0.00E+00	1.68E-08	1.10E-09	1.75E-09	0.00E+00	2.85E-09	4.80E-10	7.03E-10	0.00E+00	1.18E-09
3680	440509.1	3768582	5.76E-09	7.02E-09	0.00E+00	1.28E-08	6.49E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.76E-10	6.97E-10	0.00E+00	1.17E-09
3681	440509.1	3768592	5.71E-09	6.96E-09	0.00E+00	1.27E-08	6.44E-09	1.01E-08	0.00E+00	1.66E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.72E-10	6.91E-10	0.00E+00	1.16E-09
3682	440509	3768602	5.66E-09	6.90E-09	0.00E+00	1.26E-08	6.38E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.85E-10	0.00E+00	1.15E-09
3683	440508.9	3768612	5.60E-09	6.83E-09	0.00E+00	1.24E-08	6.32E-09	9.93E-09	0.00E+00	1.62E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.63E-10	6.78E-10	0.00E+00	1.14E-09
3684	440508.9	3768622	5.55E-09	6.76E-09	0.00E+00	1.23E-08	6.25E-09	9.83E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.73E-09	4.59E-10	6.72E-10	0.00E+00	1.13E-09
3685	441407.5	3768547	2.23E-07	2.71E-07	0.00E+00	4.94E-07	2.51E-07	3.94E-07	0.00E+00	6.45E-07	4.21E-08	6.73E-08	0.00E+00	1.09E-07	1.84E-08	2.69E-08	0.00E+00	4.53E-08
3686	441363.9	3767848	5.53E-09	6.74E-09	0.00E+00	1.23E-08	6.23E-09	9.79E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.57E-10	6.69E-10	0.00E+00	1.13E-09
3687	441363.2	3767808	5.10E-09	6.22E-09	0.00E+00	1.13E-08	5.75E-09	9.05E-09	0.00E+00	1.48E-08	9.65E-10	1.54E-09	0.00E+00	2.51E-09	4.22E-10	6.18E-10	0.00E+00	1.04E-09
3688	441362.5	3767768	4.75E-09	5.79E-09	0.00E+00	1.05E-08	5.36E-09	8.42E-09	0.00E+00	1.38E-08	8.98E-10	1.44E-09	0.00E+00	2.33E-09	3.93E-10	5.75E-10	0.00E+00	9.68E-10
3689	441361.8	3767728	4.39E-09	5.35E-09	0.00E+00	9.73E-09	4.94E-09	7.77E-09	0.00E+00	1.27E-08	8.29E-10	1.33E-09	0.00E+00	2.15E-09	3.63E-10	5.31E-10	0.00E+00	8.94E-10
3690	441397.4	3768612	3.26E-07	3.97E-07	0.00E+00	7.23E-07	3.67E-07	5.77E-07	0.00E+00	9.45E-07	6.16E-08	9.84E-08	0.00E+00	1.60E-07	2.69E-08	3.94E-08	0.00E+00	6.64E-08
3691	441377.3	3768591	2.35E-07	2.87E-07	0.00E+00	5.22E-07	2.65E-07	4.17E-07	0.00E+00	6.83E-07	4.45E-08	7.11E-08	0.00E+00	1.16E-07	1.95E-08	2.85E-08	0.00E+00	4.80E-08
3692	441357.9	3768591	2.36E-07	2.88E-07	0.00E+00	5.24E-07	2.66E-07	4.19E-07	0.00E+00	6.85E-07	4.47E-08	7.14E-08	0.00E+00	1.16E-07	1.95E-08	2.86E-08	0.00E+00	4.81E-08
3693	441338.4	3768591	2.38E-07	2.90E-07	0.00E+00	5.29E-07	2.68E-07	4.22E-07	0.00E+00	6.91E-07	4.50E-08	7.20E-08	0.00E+00	1.17E-07	1.97E-08	2.88E-08	0.00E+00	4.85E-08

3694	441318.9	3768592	2.34E-07	2.86E-07	0.00E+00	5.20E-07	2.64E-07	4.15E-07	0.00E+00	6.79E-07	4.43E-08	7.08E-08	0.00E+00	1.15E-07	1.94E-08	2.83E-08	0.00E+00	4.77E-08
3695	441299.5	3768592	2.25E-07	2.74E-07	0.00E+00	4.99E-07	2.53E-07	3.98E-07	0.00E+00	6.52E-07	4.25E-08	6.79E-08	0.00E+00	1.10E-07	1.86E-08	2.72E-08	0.00E+00	4.58E-08
3696	441280	3768592	2.19E-07	2.67E-07	0.00E+00	4.85E-07	2.46E-07	3.87E-07	0.00E+00	6.34E-07	4.13E-08	6.60E-08	0.00E+00	1.07E-07	1.81E-08	2.65E-08	0.00E+00	4.45E-08
3697	441260.6	3768592	2.04E-07	2.49E-07	0.00E+00	4.53E-07	2.30E-07	3.62E-07	0.00E+00	5.92E-07	3.86E-08	6.17E-08	0.00E+00	1.00E-07	1.69E-08	2.47E-08	0.00E+00	4.16E-08
3698	441398.7	3768580	2.49E-07	3.03E-07	0.00E+00	5.52E-07	2.80E-07	4.41E-07	0.00E+00	7.21E-07	4.70E-08	7.51E-08	0.00E+00	1.22E-07	2.06E-08	3.01E-08	0.00E+00	5.07E-08
3699	441357.8	3768571	1.88E-07	2.29E-07	0.00E+00	4.17E-07	2.12E-07	3.33E-07	0.00E+00	5.44E-07	3.55E-08	5.67E-08	0.00E+00	9.22E-08	1.55E-08	2.27E-08	0.00E+00	3.82E-08
3700	441338.3	3768571	1.80E-07	2.19E-07	0.00E+00	3.98E-07	2.02E-07	3.18E-07	0.00E+00	5.21E-07	3.39E-08	5.43E-08	0.00E+00	8.82E-08	1.48E-08	2.17E-08	0.00E+00	3.66E-08
3701	441318.9	3768572	1.75E-07	2.13E-07	0.00E+00	3.89E-07	1.97E-07	3.10E-07	0.00E+00	5.08E-07	3.31E-08	5.29E-08	0.00E+00	8.60E-08	1.45E-08	2.12E-08	0.00E+00	3.57E-08
3702	441299.4	3768572	1.71E-07	2.08E-07	0.00E+00	3.79E-07	1.93E-07	3.03E-07	0.00E+00	4.95E-07	3.23E-08	5.16E-08	0.00E+00	8.39E-08	1.41E-08	2.07E-08	0.00E+00	3.48E-08
3703	441279.9	3768572	1.67E-07	2.03E-07	0.00E+00	3.70E-07	1.88E-07	2.96E-07	0.00E+00	4.84E-07	3.15E-08	5.04E-08	0.00E+00	8.19E-08	1.38E-08	2.02E-08	0.00E+00	3.40E-08
3704	441260.5	3768572	1.58E-07	1.92E-07	0.00E+00	3.50E-07	1.78E-07	2.79E-07	0.00E+00	4.57E-07	2.98E-08	4.76E-08	0.00E+00	7.74E-08	1.30E-08	1.91E-08	0.00E+00	3.21E-08
3705	441357.7	3768551	1.53E-07	1.86E-07	0.00E+00	3.39E-07	1.72E-07	2.71E-07	0.00E+00	4.43E-07	2.89E-08	4.62E-08	0.00E+00	7.50E-08	1.26E-08	1.85E-08	0.00E+00	3.11E-08
3706	441338.2	3768551	1.43E-07	1.74E-07	0.00E+00	3.17E-07	1.61E-07	2.53E-07	0.00E+00	4.15E-07	2.70E-08	4.32E-08	0.00E+00	7.02E-08	1.18E-08	1.73E-08	0.00E+00	2.91E-08
3707	441318.8	3768552	1.37E-07	1.67E-07	0.00E+00	3.05E-07	1.55E-07	2.43E-07	0.00E+00	3.98E-07	2.60E-08	4.15E-08	0.00E+00	6.74E-08	1.14E-08	1.66E-08	0.00E+00	2.80E-08
3708	441299.3	3768552	1.33E-07	1.62E-07	0.00E+00	2.95E-07	1.50E-07	2.35E-07	0.00E+00	3.85E-07	2.51E-08	4.01E-08	0.00E+00	6.52E-08	1.10E-08	1.61E-08	0.00E+00	2.70E-08
3709	441279.8	3768552	1.30E-07	1.59E-07	0.00E+00	2.89E-07	1.47E-07	2.31E-07	0.00E+00	3.77E-07	2.46E-08	3.93E-08	0.00E+00	6.39E-08	1.08E-08	1.57E-08	0.00E+00	2.65E-08
3710	441260.4	3768552	1.25E-07	1.52E-07	0.00E+00	2.78E-07	1.41E-07	2.22E-07	0.00E+00	3.63E-07	2.36E-08	3.78E-08	0.00E+00	6.14E-08	1.03E-08	1.51E-08	0.00E+00	2.55E-08
3711	441439.6	3768537	2.13E-07	2.60E-07	0.00E+00	4.73E-07	2.40E-07	3.77E-07	0.00E+00	6.17E-07	4.03E-08	6.43E-08	0.00E+00	1.05E-07	1.76E-08	2.58E-08	0.00E+00	4.34E-08
3712	441500.6	3768572	2.59E-07	3.16E-07	0.00E+00	5.74E-07	2.92E-07	4.59E-07	0.00E+00	7.51E-07	4.89E-08	7.82E-08	0.00E+00	1.27E-07	2.14E-08	3.13E-08	0.00E+00	5.27E-08
3713	441543.6	3768580	1.32E-07	1.61E-07	0.00E+00	2.93E-07	1.49E-07	2.34E-07	0.00E+00	3.82E-07	2.49E-08	3.98E-08	0.00E+00	6.48E-08	1.09E-08	1.60E-08	0.00E+00	2.69E-08
3714	441583.3	3768580	8.50E-08	1.04E-07	0.00E+00	1.89E-07	9.58E-08	1.51E-07	0.00E+00	2.46E-07	1.61E-08	2.57E-08	0.00E+00	4.17E-08	7.03E-09	1.03E-08	0.00E+00	1.73E-08
3715	441419.3	3768389	3.49E-08	4.26E-08	0.00E+00	7.76E-08	3.94E-08	6.19E-08	0.00E+00	1.01E-07	6.61E-09	1.06E-08	0.00E+00	1.72E-08	2.89E-09	4.23E-09	0.00E+00	7.12E-09
3716	441603.5	3768581	7.27E-08	8.86E-08	0.00E+00	1.61E-07	8.19E-08	1.29E-07	0.00E+00	2.11E-07	1.37E-08	2.20E-08	0.00E+00	3.57E-08	6.01E-09	8.80E-09	0.00E+00	1.48E-08
3717	441623.1	3768580	6.21E-08	7.57E-08	0.00E+00	1.38E-07	7.00E-08	1.10E-07	0.00E+00	1.80E-07	1.17E-08	1.88E-08	0.00E+00	3.05E-08	5.14E-09	7.52E-09	0.00E+00	1.27E-08
3718	441643.3	3768581	5.46E-08	6.65E-08	0.00E+00	1.21E-07	6.15E-08	9.67E-08	0.00E+00	1.58E-07	1.03E-08	1.65E-08	0.00E+00	2.68E-08	4.51E-09	6.60E-09	0.00E+00	1.11E-08
3719	441594.4	3768409	1.85E-08	2.25E-08	0.00E+00	4.09E-08	2.08E-08	3.27E-08	0.00E+00	5.35E-08	3.49E-09	5.57E-09	0.00E+00	9.06E-09	1.53E-09	2.23E-09	0.00E+00	3.76E-09
3720	441663	3768580	4.81E-08	5.87E-08	0.00E+00	1.07E-07	5.42E-08	8.53E-08	0.00E+00	1.39E-07	9.10E-09	1.45E-08	0.00E+00	2.36E-08	3.98E-09	5.82E-09	0.00E+00	9.80E-09
3721	441622.8	3768381	1.48E-08	1.81E-08	0.00E+00	3.29E-08	1.67E-08	2.63E-08	0.00E+00	4.30E-08	2.81E-09	4.49E-09	0.00E+00	7.29E-09	1.23E-09	1.80E-09	0.00E+00	3.02E-09
3722	441629.8	3768399	1.54E-08	1.88E-08	0.00E+00	3.43E-08	1.74E-08	2.74E-08	0.00E+00	4.48E-08	2.92E-09	4.66E-09	0.00E+00	7.58E-09	1.28E-09	1.87E-09	0.00E+00	3.15E-09
3723	441703.4	3768582	3.93E-08	4.80E-08	0.00E+00	8.73E-08	4.43E-08	6.97E-08	0.00E+00	1.14E-07	7.44E-09	1.19E-08	0.00E+00	1.93E-08	3.25E-09	4.76E-09	0.00E+00	8.01E-09
3724	441463.4	3768268	1.57E-08	1.91E-08	0.00E+00	3.48E-08	1.77E-08	2.78E-08	0.00E+00	4.55E-08	2.96E-09	4.74E-09	0.00E+00	7.70E-09	1.30E-09	1.90E-09	0.00E+00	3.19E-09
3725	441560	3768308	1.38E-08	1.69E-08	0.00E+00	3.07E-08	1.56E-08	2.45E-08	0.00E+00	4.01E-08	2.61E-09	4.18E-09	0.00E+00	6.79E-09	1.14E-09	1.67E-09	0.00E+00	2.82E-09
3726	441651.3	3768353	1.22E-08	1.49E-08	0.00E+00	2.71E-08	1.38E-08	2.16E-08	0.00E+00	3.54E-08	2.31E-09	3.69E-09	0.00E+00	5.99E-09	1.01E-09	1.48E-09	0.00E+00	2.49E-09
3727	441743.2	3768582	3.26E-08	3.98E-08	0.00E+00	7.24E-08	3.68E-08	5.78E-08	0.00E+00	9.46E-08	6.17E-09	9.86E-09	0.00E+00	1.60E-08	2.70E-09	3.95E-09	0.00E+00	6.65E-09
3728	441419.7	3768210	1.41E-08	1.72E-08	0.00E+00	3.12E-08	1.59E-08	2.49E-08	0.00E+00	4.08E-08	2.66E-09	4.25E-09	0.00E+00	6.91E-09	1.16E-09	1.70E-09	0.00E+00	2.87E-09
3729	441428.5	3768213	1.40E-08	1.71E-08	0.00E+00	3.11E-08	1.58E-08	2.49E-08	0.00E+00	4.07E-08	2.65E-09	4.24E-09	0.00E+00	6.89E-09	1.16E-09	1.70E-09	0.00E+00	2.86E-09
3730	441437.4	3768217	1.40E-08	1.70E-08	0.00E+00	3.10E-08	1.57E-08	2.47E-08	0.00E+00	4.05E-08	2.64E-09	4.22E-09	0.00E+00	6.85E-09	1.15E-09	1.69E-09	0.00E+00	2.84E-09
3731	441446.2	3768221	1.39E-08	1.69E-08	0.00E+00	3.08E-08	1.56E-08	2.46E-08	0.00E+00	4.02E-08	2.62E-09	4.19E-09	0.00E+00	6.81E-09	1.15E-09	1.68E-09	0.00E+00	2.82E-09
3732	441455.1	3768224	1.37E-08	1.67E-08	0.00E+00	3.04E-08	1.55E-08	2.43E-08	0.00E+00	3.98E-08	2.59E-09	4.14E-09	0.00E+00	6.74E-09	1.13E-09	1.66E-09	0.00E+00	2.79E-09
3733	441463.9	3768228	1.35E-08	1.65E-08	0.00E+00	3.00E-08	1.52E-08	2.39E-08	0.00E+00	3.92E-08	2.55E-09	4.08E-09	0.00E+00	6.63E-09	1.12E-09	1.63E-09	0.00E+00	2.75E-09
3734	441765.3	3768538	2.18E-08	2.66E-08	0.00E+00	4.84E-08	2.46E-08	3.87E-08	0.00E+00	6.33E-08	4.13E-09	6.59E-09	0.00E+00	1.07E-08	1.80E-09	2.64E-09	0.00E+00	4.45E-09
3735	441419.8	3768170	1.20E-08	1.46E-08	0.00E+00	2.66E-08	1.35E-08	2.13E-08	0.00E+00	3.48E-08	2.27E-09	3.62E-09	0.00E+00	5.89E-09	9.92E-10	1.45E-09	0.00E+00	2.44E-09
3736	441428.7	3768173	1.20E-08	1.46E-08	0.00E+00	2.66E-08	1.35E-08	2.12E-08	0.00E+00	3.47E-08	2.26E-09	3.62E-09	0.00E+00	5.88E-09	9.89E-10	1.45E-09	0.00E+00	2.44E-09
3737	441437.6	3768177	1.19E-08	1.46E-08	0.00E+00	2.65E-08	1.35E-08	2.12E-08	0.00E+00	3.46E-08	2.26E-09	3.61E-09	0.00E+00	5.87E-09	9.87E-10	1.45E-09	0.00E+00	2.43E-09
3738	441446.5	3768181	1.19E-08	1.45E-08	0.00E+00	2.65E-08	1.34E-08	2.11E-08	0.00E+00	3.46E-08	2.25E-09	3.60E-09	0.00E+00	5.85E-09	9.86E-10	1.44E-09	0.00E+00	2.43E-09
3739	441455.4	3768185	1.19E-08	1.44E-08	0.00E+00	2.63E-08	1.34E-08	2.10E-08	0.00E+00	3.44E-08	2.24E-09	3.58E-09	0.00E+00	5.82E-09	9.80E-10	1.43E-09	0.00E+00	2.41E-09
3740	441464.3	3768188	1.18E-08	1.43E-08	0.00E+00	2.61E-08	1.33E-08	2.08E-08	0.00E+00	3.41E-08	2.22E-09	3.55E-09	0.00E+00	5.77E-09	9.72E-10	1.42E-09	0.00E+00	2.39E-09
3741	441708.2	3768297	8.63E-09	1.05E-08	0.00E+00	1.92E-08	9.73E-09	1.53E-08	0.00E+00	2.50E-08	1.63E-09	2.61E-09	0.00E+00	4.24E-09	7.14E-10	1.04E-09	0.00E+00	1.76E-09
3742	441711.8	3768306	8.73E-09	1.06E-08	0.00E+00	1.94E-08	9.84E-09	1.55E-08	0.00E+00	2.53E-08	1.65E-09	2.64E-09	0.00E+00	4.29E-09	7.22E-10	1.06E-09	0.00E+00	1.78E-09
3743	441715.4	3768315	8.83E-09	1.08E-08	0.00E+00	1.96E-08	9.96E-09	1.57E-08	0.00E+00	2.56E-08	1.67E-09	2.67E-09	0.00E+00	4.34E-09	7.30E-10	1.07E-09	0.00E+00	1.80E-09
3744	441719	3768324	8.93E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.39E-09	7.39E-10	1.08E-09	0.00E+00	1.82E-09
3745	441722.6	3768333	9.05E-09	1.10E-08	0.00E+00	2.01E-08	1.02E-08	1.60E-08	0.00E+00	2.62E-08	1.71E-09	2.73E-09	0.00E+00	4.44E-09	7.48E-10	1.09E-09	0.00E+00	1.84E-09
3746	441726.2	3768342	9.16E-09	1.12E-08	0.00E+00	2.03E-08	1.03E-08	1.62E-08	0.00E+00	2.66E-08	1.73E-09	2.77E-09	0.00E+00	4.50E-09	7.57E-10	1.11E-09	0.00E+00	1.87E-09
3747	441729.7	3768351	9.28E-09	1.13E-08	0.00E+00	2.06E-08	1.05E-08	1.64E-08	0.00E+00	2.69E-08	1.75E-09	2.80E-09	0.00E+00	4.56E-09	7.67E-10	1.12E-09	0.00E+00	1.89E-09
3748	441733.3	3768360	9.41E-09	1.15E-08	0.00E+00	2.09E-08	1.06E-08	1.67E-08	0.00E+00	2.73E-08	1.78E-09	2.84E-09	0.00E+00	4.62E-09	7.78E-10	1.14E-09	0.00E+00	1.92E-09
3749	441736.9	3768368	9.62E-09	1.17E-08	0.00E+00	2.13E-08	1.08E-08	1.70E-08	0.00E+00	2.79E-08	1.82E-09	2.91E-09	0.00E+00	4.72E-09	7.95E-10	1.16E-09	0.00E+00	1.96E-09
3750	441740.5	3768377	9.83E-09	1.20E-08	0.00E+00	2.18E-08	1.11E-08	1.74E-08	0.00E+00	2.85E-08	1.86E-09	2.97E-09	0.00E+00	4.83E-09	8.13E-10	1.19E-09	0.00E+00	2.00E-09
3751	441744.1	3768386	1.01E-08	1.23E-08	0.00E+00	2.23E-08	1.13E-08	1.78E-08	0.00E+00	2.92E-08	1.90E-09	3.04E-09	0.00E+00	4.94E-09	8.32E-10	1.22E-09	0.00E+00	2.05E-09
3752	441776.4	3768467	1.35E-08	1.65E-08	0.00E+00	3.00E-08	1.53E-08	2.40E-08	0.00E+00	3.93E-08	2.56E-09	4.09E-09	0.00E+00	6.65E-09	1.12E-09	1.64E-09	0.00E+00	2.76E-09
3753	441780	3768476	1.41E-08	1.72E-08	0.00E+00	3.13E-08	1.59E-08	2.50E-08	0.00E+00	4.09E-08	2.66E-09	4.26E-09	0.00E+00	6.92E-09	1.17E-09	1.71E-09	0.00E+00	2.87E-09
3754	441783.6	3768485	1.47E-08	1.79E-08	0.00E+00	3.25E-08	1.65E-08	2.60E-08	0.00E+00	4.25E-08	2.77E-09	4.43E-09	0.00E+00	7.20E-09	1.21E-09	1.77E-09	0.00E+00	2.99E-09
3755	441787.1	3768494	1.53E-08	1.86E-08	0.00E+00	3.39E-08	1.72E-08	2.71E-08	0.00E+00	4.43E-08	2.89E-09	4.61E-09	0.00E+00	7.50E-09	1.26E-09	1.85E-09	0.00E+00	3.11E-09
3756	441790.7	3768503	1.59E-08	1.94E-08	0.00E+00	3.54E-08	1.80E-08	2.82E-08	0.00E+00	4.62E-08	3.01E-09	4.81E-09	0.00E+00	7.83E-09	1.32E-09	1.93E-09	0.00E+00	3.25E-09
3757	441794.3	3768512	1.67E-08	2.03E-08	0.00E+00	3.70E-08	1.88E-08	2.95E-08	0.00E+00	4.83E-08	3.15E-09	5.03E-09	0.00E+00	8.18E-09	1.38E-09	2.02E-09	0.00E+00	3.39E-09
3758	441797.9	3768521	1.74E-08	2.13E-08	0.00E+00	3.87E-08	1.97E-08	3.09E-08	0.00E+00	5.06E-08	3.30E-09	5.27E-09	0.00E+00	8.57E-09	1.44E-09	2.11E-09	0.00E+00	3.55E-09
3759	441801.5	3768529	1.83E-08	2.23E-08	0.00E+00	4.05E-08	2.06E-08	3.24E-08	0.00E+00	5.30E-08	3.45E-09	5.52E-09	0.00E+00	8.97E-09	1.51E-09	2.21E-09	0.00E+00	3.72E-09
3760	441805.1	3768538	1.91E-08	2.33E-08	0.00E+00	4.25E-08	2.16E-08	3.39E-08	0.00E+00	5.55E-08	3.62E-09	5.78E-09	0.00E+00	9.40E-09	1.58E-09	2.32E-09	0.00E+00	3.90E-09
3761	441808.7	3768547	2.00E-08	2.44E-08	0.00E+00	4.45E-08	2.26E-08	3.55E-08	0.00E+00	5.81E-08	3.79E-09	6.05E-09	0.00E+00	9.84E-09	1.66E-09	2.42E-09	0.00E+00	4.08E-09
3762	441419.9	3768130	1.03E-08	1.26E-08	0.00E+00	2.30E-08	1.17E-08	1.83E-08	0.00E+00	3.00E-08	1.96E-09	3.13E-09	0.00E+00	5.08E-09	8.56E-10	1.25E-09	0.00E+00	2.11E-09
3763	441428.8	3768134	1.03E-08	1.26E-08	0.00E+00	2.30E-08	1.17E-08	1.83E-08	0.00E+00	3.00E-08	1.96E-09	3.13E-09	0.00E+00	5.08E-09	8.56E-10	1.25E-09	0.00E+00	2.11E-09
3764	441437.8	3768137	1.03E-08	1.26E-08	0.00E+00	2.29E-08	1.16E-08	1.83E-08	0.00E+00	2.99E-08	1.95E-09	3.12E-09	0.00E+00	5.07E-09	8.54E-10	1.25E-09	0.00E+00	2.10E-09
3765	441446.7	3768141	1.03E-08	1.25E-08	0.00E+00	2.28E-08	1.16E-08	1.82E-08	0.00E+00	2.98E-08	1.95E-09	3.11E-09	0.00E+00	5.05E-09	8.51E-10	1.25E-09	0.00E+00	2.10E-09
3766	441455.7	3768145	1.02E-08	1.25E-08	0.00E+00	2.27E-08	1.15E-08	1.81E-08	0.00E+00	2.97E-08	1.93E-09	3.09E-09	0.00E+00	5.03E-09	8.46E-10	1.24E-09	0.00E+00	2.08E-09
3767	441464.6	3768148	1.02E-08	1.24E-08	0.00E+00	2.26E-08	1.15E-08	1.80E-08	0.00E+00	2.95E-08	1.92E-09	3.08E-09	0.00E+00	5.00E-09	8.42E-10	1.23E-09	0.00E+00	2.07E-09
3768	441736.7	3768269	7.55E-09	9.20E-09	0.00E+00	1.67E-08	8.50E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.28E-09	0.00E+00	3.71E-09	6.24E-10	9.13E-10	0.00E+00	1.54E-09
3769	441740.3	3768278	7.63E-09	9.31E-09	0.00E+00	1.69E-08	8.60E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.31E-09	0.00E+00	3.75E-09	6.31E-10	9.24E-10	0.00E+00	1.56E-09
3770	441743.9	3768287	7.72E-09	9.42E-09	0.00E+00	1.71E-08	8.71E-09	1.37E-08	0.00E+00	2.24E-08	1.46E-09	2.33E-09	0.00E+00	3.79E-09	6.39E-10	9.35E-10	0.00E+00	1.57E-09
3771	441747.5	3768296	7.82E-09	9.53E-09	0.00E+00	1.73E-08	8.81E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.36E-09	0.00E+00	3.84E-09	6.46E-10	9.46E-10	0.00E+00	1.59E-09
3772	441751.1	3768305	7.92E-09	9.65E-09	0.00E+00	1.76E-08	8.92E-09	1.40E-08	0.00E+00	2.30E-08	1.50E-09	2.39E-09	0.00E+00	3.89E-09	6.55E-10	9.58E-10	0.00E+00	1.61E-09
3773	441754.7	3768314	8.02E-09	9.78E-09	0.00E+00	1.78E-08	9.04E-09	1.42E-08	0.00E+00	2.32E-08	1.52E-09	2.42E-09	0.00E+00	3.94E-09	6.63E-10	9.70E-10	0.00E+00	1.63E-09
3774	441758.3	3768323	8.12E-09	9.90E-09	0.00E+00	1.80E-08	9.16E-09	1.44E-08	0.00E+00	2.36E-08	1.54E-09	2.45E-09	0.00E+00	3.99E-09	6.72E-10	9.83E-10	0.00E+00	1.65E-09
3775	441761.9	3768332	8.23E-09	1.00E-08	0.00E+00	1.83E-08	9.27E-09	1.46E-08	0.00E+00	2.39E-08	1.56E-09	2.49E-09	0.00E+00	4.04E-09	6.80E-10	9.96E-10	0.00E+00	1.68E-09
3776	441765.5	3768341	8.33E-09	1.02E-08	0.00E+00	1.85E-08	9.39E-09	1.48E-08	0.00E+00	2.42E-08	1.57E-09	2.52E-09	0.00E+00	4.09E-09	6.89E-10	1.01E-09	0.00E+00	1.70E-09
3777	441769.2	3768350	8.44E-09	1.03E-08	0.00E+00	1.87E-08	9.51E-09	1.50E-08	0.00E+00	2.45E-08	1.60E-09	2.55E-09	0.00E+00	4.15E-09	6.98E-10	1.02E-09	0.00E+00	1.72E-09
3778	441772.8	3768359	8.56E-09	1.04E-08	0.00E+00	1.90E-08	9.65E-09	1.52E-08	0.00E+00	2.48E-08	1.62E-09	2.59E-09	0.00E+00	4.21E-09	7.08E-10	1.04E-09	0.00E+00	1.74E-09
3779	441776.4	3768368	8.73E-09	1.06E-08	0.00E+00	1.94E-08	9.84E-09	1.55E-08	0.00E+00	2.53E-08	1.65E-09	2.64E-09	0.00E+00	4.29E-09	7.22E-10	1.06E-09	0.00E+00	1.78E-09
3780	441780	3768377	8.92E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.38E-09	7.38E-10	1.08E-09	0.00E+00	1.82E-09
3781	441783.6	3768386	9.13E-09	1.11E-08	0.00E+00	2.03E-08	1.03E-08	1.62E-08	0.00E+00	2.65E-08	1.73E-09	2.76E-09	0.00E+00	4.49E-09	7.55E-10	1.11E-09	0.00E+00	1.86E-09
3782	441808.8	3768449	1.14E-08	1.39E-08	0.00E+00	2.52E-08	1.28E-08	2.01E-08	0.00E+00	3.29E-08	2.15E-09	3.43E-09	0.00E+00	5.58E-09	9.39E-10	1.38E-09	0.00E+00	2.31E-09
3783	441812.4	3768458	1.18E-08	1.43E-08	0.00E+00	2.61E-08	1.33E-08	2.08E-08	0.00E+00	3.41E-08	2.22E-09	3.55E-09	0.00E+00	5.78E-09	9.73E-10	1.42E-09	0.00E+00	2.40E-09
3784	441816	3768467	1.22E-08	1.49E-08	0.00E+00	2.71E-08	1.38E-08	2.16E-08	0.00E+00	3.54E-08	2.31E-09	3.69E-09	0.00E+00	5.99E-09	1.01E-09	1.48E-09	0.00E+00	2.49E-09
3785	441819.6	3768476	1.27E-08	1.55E-08	0.00E+00	2.81E-08	1.43E-08	2.25E-08	0.00E+00	3.68E-08	2.40E-09	3.83E-09	0.00E+00	6.23E-09	1.05E-09	1.53E-09	0.00E+00	2.58E-09
3786	441823.3	3768485	1.32E-08	1.61E-08	0.00E+00	2.93E-08	1.49E-08	2.34E-08	0.00E+00	3.83E-08	2.49E-09	3.99E-09	0.00E+00	6.48E-09	1.09E-09	1.60E-09	0.00E+00	2.69E-09
3787	441826.9	3768494	1.37E-08	1.68E-08	0.00E+00	3.05E-08	1.55E-08	2.44E-08	0.00E+00	3.99E-08	2.60E-09	4.15E-09	0.00E+00	6.75E-09	1.14E-09	1.66E-09	0.00E+00	2.80E-09
3788	441830.5	3768503	1.43E-08	1.75E-08	0.00E+00	3.18E-08	1.62E-08	2.54E-08	0.00E+00	4.16E-08	2.71E-09	4.33E-09	0.00E+00	7.04E-09	1.19E-09	1.74E-09	0.00E+00	2.92E-09
3789	441834.1	3768512	1.50E-08	1.82E-08	0.00E+00	3.32E-08	1.69E-08	2.65E-08	0.00E+00	4.34E-08	2.83E-09	4.52E-09	0.00E+00	7.35E-09	1.24E-09	1.81E-09	0.00E+00	3.05E-09
3790	441418.9	3768090	9.24E-09	1.13E-08	0.00E+00	2.05E-08	1.04E-08	1.64E-08	0.00E+00	2.68E-08	1.75E-09	2.79E-09	0.00E+00	4.54E-09	7.64E-10	1.12E-09	0.00E+00	1.88E-09
3791	441427.6	3768093	9.21E-09	1.12E-08	0.00E+00	2.04E-08	1.04E-08	1.63E-08	0.00E+00	2.67E-08	1.74E-09	2.78E-09	0.00E+00	4.52E-09	7.61E-10	1.11E-09	0.00E+00	1.88E-09
3792	441436.4	3768097	9.18E-09	1.12E-08	0.00E+00	2.04E-08	1.04E-08	1.63E-08	0.00E+00	2.66E-08	1.74E-09	2.77E-09	0.00E+00	4.51E-09	7.59E-10	1.11E-09	0.00E+00	1.87E-09
3793	441445.2	3768100	9.17E-09	1.12E-08	0.00E+00	2.03E-08	1.03E-08	1.62E-08	0.00E+00	2.66E-08	1.73E-09	2.77E-09	0.00E+00	4.50E-09	7.58E-10	1.11E-09	0.00E+00	1.87E-09
3794	441454	3768104	9.14E-09	1.11E-08	0.00E+00	2.03E-08	1.03E-08	1.62E-08	0.00E+00	2.65E-08	1.73E-09	2.76E-09	0.00E+00	4.49E-09	7.55E-10	1.11E-09	0.00E+00	1.86E-09
3795	441462.8	3768108	9.08E-09	1.11E-08	0.00E+00	2.01E-08	1.02E-08	1.61E-08	0.00E+00	2.63E-08	1.72E-09	2.74E-09	0.00E+00	4.46E-09	7.51E-10	1.10E-09	0.00E+00	1.85E-09
3796	441765.1	3768241	6.63E-09	8.08E-09	0.00E+00	1.47E-08	7.47E-09	1.18E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.26E-09	5.48E-10	8.03E-10	0.00E+00	1.35E-09
3797	441768.6	3768249	6.71E-09	8.18E-09	0.00E+00	1.49E-08	7.56E-09	1.19E-08	0.00E+00	1.94E-08	1.27E-09	2.03E-09	0.00E+00	3.29E-09	5.55E-10	8.12E-10	0.00E+00	1.37E-09
3798	441772.2	3768258	6.78E-09	8.27E-09	0.00E+00	1.51E-08	7.65E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.33E-09	5.61E-10	8.21E-10	0.00E+00	1.38E-09
3799	441775.7	3768267	6.87E-09	8.37E-09	0.00E+00	1.52E-08	7.74E-09	1.22E-08	0.00E+00	1.99E-08	1.30E-09	2.07E-09	0.00E+00	3.37E-09	5.68E-10	8.31E-10	0.00E+00	1.40E-09
3800	441779.2	3768276	6.95E-09	8.47E-09	0.00E+00	1.54E-08	7.83E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.10E-09	0.00E+00	3.41E-09	5.75E-10	8.41E-10	0.00E+00	1.42E-09
3801	441782.8	3768285	7.03E-09	8.58E-09	0.00E+00	1.56E-08	7.93E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.13E-09	0.00E+00	3.46E-09	5.82E-10	8.51E-10	0.00E+00	1.43E-09
3802	441786.3	3768294	7.12E-09	8.68E-09	0.00E+00	1.58E-08	8.03E-09	1.26E-08	0.00E+00	2.06E-08	1.35E-09	2.15E-09	0.00E+00	3.50E-09	5.89E-10	8.62E-10	0.00E+00	1.45E-09
3803	441789.9	3768302	7.21E-09	8.79E-09	0.00E+00	1.60E-08	8.12E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.54E-09	5.96E-10	8.72E-10	0.00E+00	1.47E-09
3804	441793.4	3768311	7.28E-09	8.87E-09	0.00E+00	1.61E-08	8.20E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.57E-09	6.02E-10	8.81E-10	0.00E+00	1.48E-09
3805	441797	3768320	7.35E-09	8.96E-09	0.00E+00	1.63E-08	8.29E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.22E-09	0.00E+00	3.61E-09	6.08E-10	8.90E-10	0.00E+00	1.50E-09

3806	441800.5	3768329	7.43E-09	9.06E-09	0.00E+00	1.65E-08	8.38E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.25E-09	0.00E+00	3.65E-09	6.15E-10	9.00E-10	0.00E+00	1.51E-09
3807	441804	3768338	7.54E-09	9.19E-09	0.00E+00	1.67E-08	8.49E-09	1.34E-08	0.00E+00	2.18E-08	1.42E-09	2.28E-09	0.00E+00	3.70E-09	6.23E-10	9.12E-10	0.00E+00	1.53E-09
3808	441807.6	3768347	7.65E-09	9.33E-09	0.00E+00	1.70E-08	8.62E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.31E-09	0.00E+00	3.76E-09	6.33E-10	9.26E-10	0.00E+00	1.56E-09
3809	441811.1	3768355	7.78E-09	9.49E-09	0.00E+00	1.73E-08	8.77E-09	1.38E-08	0.00E+00	2.26E-08	1.47E-09	2.35E-09	0.00E+00	3.82E-09	6.43E-10	9.42E-10	0.00E+00	1.59E-09
3810	441814.7	3768364	7.94E-09	9.68E-09	0.00E+00	1.76E-08	8.95E-09	1.41E-08	0.00E+00	2.30E-08	1.50E-09	2.40E-09	0.00E+00	3.90E-09	6.56E-10	9.61E-10	0.00E+00	1.62E-09
3811	441818.2	3768373	8.12E-09	9.90E-09	0.00E+00	1.80E-08	9.15E-09	1.44E-08	0.00E+00	2.35E-08	1.53E-09	2.45E-09	0.00E+00	3.99E-09	6.71E-10	9.83E-10	0.00E+00	1.65E-09
3812	441821.7	3768382	8.32E-09	1.01E-08	0.00E+00	1.85E-08	9.37E-09	1.47E-08	0.00E+00	2.41E-08	1.57E-09	2.51E-09	0.00E+00	4.08E-09	6.88E-10	1.01E-09	0.00E+00	1.69E-09
3813	441825.3	3768391	8.53E-09	1.04E-08	0.00E+00	1.89E-08	9.61E-09	1.51E-08	0.00E+00	2.47E-08	1.61E-09	2.58E-09	0.00E+00	4.19E-09	7.05E-10	1.03E-09	0.00E+00	1.74E-09
3814	441850.1	3768452	1.05E-08	1.29E-08	0.00E+00	2.34E-08	1.19E-08	1.87E-08	0.00E+00	3.06E-08	1.99E-09	3.19E-09	0.00E+00	5.18E-09	8.72E-10	1.28E-09	0.00E+00	2.15E-09
3815	441853.6	3768461	1.09E-08	1.33E-08	0.00E+00	2.42E-08	1.23E-08	1.93E-08	0.00E+00	3.16E-08	2.06E-09	3.30E-09	0.00E+00	5.36E-09	9.02E-10	1.32E-09	0.00E+00	2.22E-09
3816	441857.2	3768470	1.13E-08	1.38E-08	0.00E+00	2.51E-08	1.27E-08	2.00E-08	0.00E+00	3.28E-08	2.14E-09	3.42E-09	0.00E+00	5.55E-09	9.35E-10	1.37E-09	0.00E+00	2.30E-09
3817	441860.7	3768479	1.17E-08	1.43E-08	0.00E+00	2.61E-08	1.32E-08	2.08E-08	0.00E+00	3.40E-08	2.22E-09	3.55E-09	0.00E+00	5.77E-09	9.71E-10	1.42E-09	0.00E+00	2.39E-09
3818	441864.2	3768488	1.22E-08	1.49E-08	0.00E+00	2.71E-08	1.37E-08	2.16E-08	0.00E+00	3.53E-08	2.30E-09	3.68E-09	0.00E+00	5.99E-09	1.01E-09	1.48E-09	0.00E+00	2.48E-09
3819	441867.8	3768497	1.27E-08	1.54E-08	0.00E+00	2.81E-08	1.43E-08	2.24E-08	0.00E+00	3.67E-08	2.39E-09	3.83E-09	0.00E+00	6.22E-09	1.05E-09	1.53E-09	0.00E+00	2.58E-09
3820	441885.5	3768541	1.55E-08	1.89E-08	0.00E+00	3.43E-08	1.74E-08	2.74E-08	0.00E+00	4.49E-08	2.92E-09	4.67E-09	0.00E+00	7.60E-09	1.28E-09	1.87E-09	0.00E+00	3.15E-09
3821	441889	3768550	1.61E-08	1.96E-08	0.00E+00	3.57E-08	1.81E-08	2.85E-08	0.00E+00	4.66E-08	3.04E-09	4.86E-09	0.00E+00	7.90E-09	1.33E-09	1.95E-09	0.00E+00	3.28E-09
3822	441892.6	3768558	1.67E-08	2.04E-08	0.00E+00	3.71E-08	1.88E-08	2.96E-08	0.00E+00	4.84E-08	3.16E-09	5.04E-09	0.00E+00	8.20E-09	1.38E-09	2.02E-09	0.00E+00	3.40E-09
3823	441896.1	3768567	1.73E-08	2.11E-08	0.00E+00	3.85E-08	1.95E-08	3.07E-08	0.00E+00	5.02E-08	3.28E-09	5.24E-09	0.00E+00	8.51E-09	1.43E-09	2.10E-09	0.00E+00	3.53E-09
3824	441899.6	3768576	1.79E-08	2.19E-08	0.00E+00	3.98E-08	2.02E-08	3.18E-08	0.00E+00	5.20E-08	3.39E-09	5.42E-09	0.00E+00	8.81E-09	1.48E-09	2.17E-09	0.00E+00	3.66E-09
3825	441445.4	3768061	8.28E-09	1.01E-08	0.00E+00	1.84E-08	9.33E-09	1.47E-08	0.00E+00	2.40E-08	1.56E-09	2.50E-09	0.00E+00	4.06E-09	6.84E-10	1.00E-09	0.00E+00	1.69E-09
3826	441454.3	3768064	8.22E-09	1.00E-08	0.00E+00	1.82E-08	9.27E-09	1.46E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.04E-09	6.80E-10	9.95E-10	0.00E+00	1.67E-09
3827	441463.1	3768068	8.16E-09	9.94E-09	0.00E+00	1.81E-08	9.20E-09	1.45E-08	0.00E+00	2.37E-08	1.54E-09	2.46E-09	0.00E+00	4.01E-09	6.75E-10	9.87E-10	0.00E+00	1.66E-09
3828	441793.6	3768213	5.92E-09	7.22E-09	0.00E+00	1.31E-08	6.67E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.79E-09	0.00E+00	2.91E-09	4.89E-10	7.16E-10	0.00E+00	1.21E-09
3829	441797.1	3768221	5.97E-09	7.27E-09	0.00E+00	1.32E-08	6.73E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.93E-09	4.93E-10	7.22E-10	0.00E+00	1.22E-09
3830	441800.7	3768230	6.01E-09	7.33E-09	0.00E+00	1.33E-08	6.78E-09	1.07E-08	0.00E+00	1.74E-08	1.14E-09	1.82E-09	0.00E+00	2.95E-09	4.97E-10	7.28E-10	0.00E+00	1.23E-09
3831	441804.2	3768239	6.06E-09	7.39E-09	0.00E+00	1.34E-08	6.83E-09	1.07E-08	0.00E+00	1.76E-08	1.15E-09	1.83E-09	0.00E+00	2.98E-09	5.01E-10	7.33E-10	0.00E+00	1.23E-09
3832	441807.8	3768248	6.12E-09	7.46E-09	0.00E+00	1.36E-08	6.89E-09	1.08E-08	0.00E+00	1.77E-08	1.16E-09	1.85E-09	0.00E+00	3.00E-09	5.06E-10	7.40E-10	0.00E+00	1.25E-09
3833	441811.4	3768257	6.17E-09	7.53E-09	0.00E+00	1.37E-08	6.96E-09	1.09E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.03E-09	5.11E-10	7.47E-10	0.00E+00	1.26E-09
3834	441814.9	3768266	6.24E-09	7.60E-09	0.00E+00	1.38E-08	7.03E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.88E-09	0.00E+00	3.06E-09	5.16E-10	7.55E-10	0.00E+00	1.27E-09
3835	441818.5	3768275	6.31E-09	7.69E-09	0.00E+00	1.40E-08	7.11E-09	1.12E-08	0.00E+00	1.83E-08	1.19E-09	1.91E-09	0.00E+00	3.10E-09	5.22E-10	7.64E-10	0.00E+00	1.29E-09
3836	441822	3768284	6.39E-09	7.79E-09	0.00E+00	1.42E-08	7.21E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.29E-10	7.74E-10	0.00E+00	1.30E-09
3837	441825.6	3768292	6.48E-09	7.90E-09	0.00E+00	1.44E-08	7.30E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.18E-09	5.36E-10	7.84E-10	0.00E+00	1.32E-09
3838	441829.2	3768301	6.57E-09	8.01E-09	0.00E+00	1.46E-08	7.41E-09	1.16E-08	0.00E+00	1.91E-08	1.24E-09	1.99E-09	0.00E+00	3.23E-09	5.43E-10	7.95E-10	0.00E+00	1.34E-09
3839	441832.7	3768310	6.66E-09	8.11E-09	0.00E+00	1.48E-08	7.50E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.01E-09	0.00E+00	3.27E-09	5.50E-10	8.06E-10	0.00E+00	1.36E-09
3840	441836.3	3768319	6.75E-09	8.23E-09	0.00E+00	1.50E-08	7.61E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.58E-10	8.17E-10	0.00E+00	1.38E-09
3841	441839.8	3768328	6.86E-09	8.36E-09	0.00E+00	1.52E-08	7.73E-09	1.21E-08	0.00E+00	1.99E-08	1.30E-09	2.07E-09	0.00E+00	3.37E-09	5.67E-10	8.30E-10	0.00E+00	1.40E-09
3842	441843.4	3768337	6.97E-09	8.50E-09	0.00E+00	1.55E-08	7.86E-09	1.24E-08	0.00E+00	2.02E-08	1.32E-09	2.11E-09	0.00E+00	3.42E-09	5.76E-10	8.44E-10	0.00E+00	1.42E-09
3843	441847	3768346	7.09E-09	8.65E-09	0.00E+00	1.57E-08	8.00E-09	1.26E-08	0.00E+00	2.06E-08	1.34E-09	2.14E-09	0.00E+00	3.48E-09	5.87E-10	8.59E-10	0.00E+00	1.45E-09
3844	441850.5	3768355	7.23E-09	8.81E-09	0.00E+00	1.60E-08	8.15E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.18E-09	0.00E+00	3.55E-09	5.98E-10	8.75E-10	0.00E+00	1.47E-09
3845	441854.1	3768363	7.38E-09	9.00E-09	0.00E+00	1.64E-08	8.32E-09	1.31E-08	0.00E+00	2.14E-08	1.39E-09	2.23E-09	0.00E+00	3.62E-09	6.10E-10	8.93E-10	0.00E+00	1.50E-09
3846	441857.6	3768372	7.55E-09	9.21E-09	0.00E+00	1.68E-08	8.51E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.28E-09	0.00E+00	3.71E-09	6.24E-10	9.14E-10	0.00E+00	1.54E-09
3847	441861.2	3768381	7.74E-09	9.43E-09	0.00E+00	1.72E-08	8.72E-09	1.37E-08	0.00E+00	2.24E-08	1.46E-09	2.34E-09	0.00E+00	3.80E-09	6.40E-10	9.36E-10	0.00E+00	1.58E-09
3848	441864.8	3768390	7.94E-09	9.67E-09	0.00E+00	1.76E-08	8.95E-09	1.41E-08	0.00E+00	2.30E-08	1.50E-09	2.40E-09	0.00E+00	3.90E-09	6.56E-10	9.60E-10	0.00E+00	1.62E-09
3849	441868.3	3768399	8.14E-09	9.92E-09	0.00E+00	1.81E-08	9.17E-09	1.44E-08	0.00E+00	2.36E-08	1.54E-09	2.46E-09	0.00E+00	4.00E-09	6.73E-10	9.85E-10	0.00E+00	1.66E-09
3850	441889.7	3768452	9.59E-09	1.17E-08	0.00E+00	2.13E-08	1.08E-08	1.70E-08	0.00E+00	2.78E-08	1.81E-09	2.90E-09	0.00E+00	4.71E-09	7.93E-10	1.16E-09	0.00E+00	1.95E-09
3851	441893.3	3768461	9.94E-09	1.21E-08	0.00E+00	2.20E-08	1.12E-08	1.76E-08	0.00E+00	2.88E-08	1.88E-09	3.00E-09	0.00E+00	4.88E-09	8.21E-10	1.20E-09	0.00E+00	2.02E-09
3852	441896.8	3768470	1.03E-08	1.26E-08	0.00E+00	2.29E-08	1.16E-08	1.83E-08	0.00E+00	2.99E-08	1.95E-09	3.11E-09	0.00E+00	5.06E-09	8.52E-10	1.25E-09	0.00E+00	2.10E-09
3853	441900.4	3768479	1.07E-08	1.30E-08	0.00E+00	2.37E-08	1.21E-08	1.90E-08	0.00E+00	3.10E-08	2.02E-09	3.23E-09	0.00E+00	5.26E-09	8.85E-10	1.30E-09	0.00E+00	2.18E-09
3854	441925.3	3768541	1.39E-08	1.69E-08	0.00E+00	3.08E-08	1.56E-08	2.46E-08	0.00E+00	4.02E-08	2.62E-09	4.19E-09	0.00E+00	6.81E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
3855	441928.9	3768550	1.44E-08	1.75E-08	0.00E+00	3.19E-08	1.62E-08	2.54E-08	0.00E+00	4.16E-08	2.71E-09	4.34E-09	0.00E+00	7.05E-09	1.19E-09	1.74E-09	0.00E+00	2.92E-09
3856	441932.4	3768559	1.49E-08	1.81E-08	0.00E+00	3.30E-08	1.67E-08	2.63E-08	0.00E+00	4.31E-08	2.81E-09	4.49E-09	0.00E+00	7.29E-09	1.23E-09	1.80E-09	0.00E+00	3.03E-09
3857	441383.4	3767995	7.69E-09	9.37E-09	0.00E+00	1.71E-08	8.66E-09	1.36E-08	0.00E+00	2.23E-08	1.45E-09	2.32E-09	0.00E+00	3.78E-09	6.36E-10	9.30E-10	0.00E+00	1.57E-09
3858	441418.9	3768010	7.65E-09	9.33E-09	0.00E+00	1.70E-08	8.63E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.31E-09	0.00E+00	3.76E-09	6.33E-10	9.26E-10	0.00E+00	1.56E-09
3859	441427.8	3768013	7.60E-09	9.27E-09	0.00E+00	1.69E-08	8.57E-09	1.35E-08	0.00E+00	2.20E-08	1.44E-09	2.30E-09	0.00E+00	3.73E-09	6.29E-10	9.20E-10	0.00E+00	1.55E-09
3860	441436.7	3768017	7.55E-09	9.21E-09	0.00E+00	1.68E-08	8.51E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.28E-09	0.00E+00	3.71E-09	6.24E-10	9.14E-10	0.00E+00	1.54E-09
3861	441445.6	3768021	7.50E-09	9.14E-09	0.00E+00	1.66E-08	8.45E-09	1.33E-08	0.00E+00	2.17E-08	1.42E-09	2.27E-09	0.00E+00	3.68E-09	6.20E-10	9.07E-10	0.00E+00	1.53E-09
3862	441454.5	3768024	7.43E-09	9.05E-09	0.00E+00	1.65E-08	8.37E-09	1.32E-08	0.00E+00	2.15E-08	1.40E-09	2.24E-09	0.00E+00	3.65E-09	6.14E-10	8.99E-10	0.00E+00	1.51E-09
3863	441463.3	3768028	7.34E-09	8.95E-09	0.00E+00	1.63E-08	8.28E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.22E-09	0.00E+00	3.61E-09	6.07E-10	8.89E-10	0.00E+00	1.50E-09
3864	441822	3768184	5.33E-09	6.49E-09	0.00E+00	1.18E-08	6.00E-09	9.44E-09	0.00E+00	1.54E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.40E-10	6.45E-10	0.00E+00	1.08E-09
3865	441825.6	3768193	5.36E-09	6.54E-09	0.00E+00	1.19E-08	6.04E-09	9.50E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.49E-10	0.00E+00	1.09E-09
3866	441829.2	3768202	5.40E-09	6.58E-09	0.00E+00	1.20E-08	6.08E-09	9.56E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.65E-09	4.46E-10	6.53E-10	0.00E+00	1.10E-09
3867	441832.8	3768211	5.43E-09	6.62E-09	0.00E+00	1.21E-08	6.12E-09	9.63E-09	0.00E+00	1.57E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.49E-10	6.57E-10	0.00E+00	1.11E-09
3868	441836.3	3768220	5.47E-09	6.67E-09	0.00E+00	1.21E-08	6.17E-09	9.70E-09	0.00E+00	1.59E-08	1.03E-09	1.65E-09	0.00E+00	2.69E-09	4.53E-10	6.62E-10	0.00E+00	1.12E-09
3869	441839.9	3768229	5.52E-09	6.73E-09	0.00E+00	1.22E-08	6.22E-09	9.78E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.56E-10	6.68E-10	0.00E+00	1.12E-09
3870	441843.5	3768238	5.57E-09	6.79E-09	0.00E+00	1.24E-08	6.28E-09	9.87E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.74E-09	4.61E-10	6.74E-10	0.00E+00	1.13E-09
3871	441847.1	3768247	5.62E-09	6.85E-09	0.00E+00	1.25E-08	6.34E-09	9.96E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.65E-10	6.81E-10	0.00E+00	1.15E-09
3872	441850.6	3768256	5.68E-09	6.92E-09	0.00E+00	1.26E-08	6.40E-09	1.01E-08	0.00E+00	1.65E-08	1.07E-09	1.72E-09	0.00E+00	2.79E-09	4.70E-10	6.87E-10	0.00E+00	1.16E-09
3873	441854.2	3768265	5.74E-09	7.00E-09	0.00E+00	1.27E-08	6.47E-09	1.02E-08	0.00E+00	1.66E-08	1.09E-09	1.73E-09	0.00E+00	2.82E-09	4.75E-10	6.95E-10	0.00E+00	1.17E-09
3874	441857.8	3768274	5.81E-09	7.08E-09	0.00E+00	1.29E-08	6.55E-09	1.03E-08	0.00E+00	1.68E-08	1.10E-09	1.76E-09	0.00E+00	2.85E-09	4.80E-10	7.03E-10	0.00E+00	1.18E-09
3875	441861.4	3768283	5.90E-09	7.19E-09	0.00E+00	1.31E-08	6.65E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.78E-09	0.00E+00	2.90E-09	4.88E-10	7.14E-10	0.00E+00	1.20E-09
3876	441865	3768291	5.99E-09	7.31E-09	0.00E+00	1.33E-08	6.76E-09	1.06E-08	0.00E+00	1.74E-08	1.13E-09	1.81E-09	0.00E+00	2.94E-09	4.96E-10	7.25E-10	0.00E+00	1.22E-09
3877	441868.5	3768300	6.10E-09	7.43E-09	0.00E+00	1.35E-08	6.87E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.04E-10	7.38E-10	0.00E+00	1.24E-09
3878	441872.1	3768309	6.19E-09	7.54E-09	0.00E+00	1.37E-08	6.97E-09	1.10E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.04E-09	5.11E-10	7.49E-10	0.00E+00	1.26E-09
3879	441875.7	3768318	6.28E-09	7.66E-09	0.00E+00	1.39E-08	7.08E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.90E-09	0.00E+00	3.09E-09	5.19E-10	7.60E-10	0.00E+00	1.28E-09
3880	441879.3	3768327	6.39E-09	7.79E-09	0.00E+00	1.42E-08	7.20E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.28E-10	7.73E-10	0.00E+00	1.30E-09
3881	441882.8	3768336	6.50E-09	7.93E-09	0.00E+00	1.44E-08	7.33E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.19E-09	5.38E-10	7.87E-10	0.00E+00	1.32E-09
3882	441886.4	3768345	6.62E-09	8.07E-09	0.00E+00	1.47E-08	7.46E-09	1.17E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.25E-09	5.48E-10	8.01E-10	0.00E+00	1.35E-09
3883	441890	3768354	6.75E-09	8.23E-09	0.00E+00	1.50E-08	7.61E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.58E-10	8.17E-10	0.00E+00	1.38E-09
3884	441893.6	3768363	6.89E-09	8.40E-09	0.00E+00	1.53E-08	7.77E-09	1.22E-08	0.00E+00	2.00E-08	1.30E-09	2.08E-09	0.00E+00	3.38E-09	5.70E-10	8.34E-10	0.00E+00	1.40E-09
3885	441897.2	3768372	7.03E-09	8.57E-09	0.00E+00	1.56E-08	7.92E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.81E-10	8.51E-10	0.00E+00	1.43E-09
3886	441900.7	3768381	7.17E-09	8.75E-09	0.00E+00	1.59E-08	8.09E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.52E-09	5.93E-10	8.68E-10	0.00E+00	1.46E-09
3887	441904.3	3768390	7.33E-09	8.94E-09	0.00E+00	1.63E-08	8.26E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.21E-09	0.00E+00	3.60E-09	6.06E-10	8.87E-10	0.00E+00	1.49E-09
3888	441907.9	3768399	7.51E-09	9.15E-09	0.00E+00	1.67E-08	8.46E-09	1.33E-08	0.00E+00	2.18E-08	1.42E-09	2.27E-09	0.00E+00	3.69E-09	6.21E-10	9.09E-10	0.00E+00	1.53E-09
3889	441929.4	3768452	8.90E-09	1.09E-08	0.00E+00	1.98E-08	1.00E-08	1.58E-08	0.00E+00	2.58E-08	1.68E-09	2.69E-09	0.00E+00	4.37E-09	7.36E-10	1.08E-09	0.00E+00	1.81E-09
3890	441932.9	3768461	9.21E-09	1.12E-08	0.00E+00	2.04E-08	1.04E-08	1.63E-08	0.00E+00	2.67E-08	1.74E-09	2.78E-09	0.00E+00	4.52E-09	7.61E-10	1.11E-09	0.00E+00	1.88E-09
3891	441374.6	3767991	7.69E-09	9.37E-09	0.00E+00	1.71E-08	8.67E-09	1.36E-08	0.00E+00	2.23E-08	1.45E-09	2.32E-09	0.00E+00	3.78E-09	6.36E-10	9.30E-10	0.00E+00	1.57E-09
3892	441364.8	3767991	7.77E-09	9.47E-09	0.00E+00	1.72E-08	8.76E-09	1.38E-08	0.00E+00	2.25E-08	1.47E-09	2.35E-09	0.00E+00	3.82E-09	6.43E-10	9.40E-10	0.00E+00	1.58E-09
3893	441355.1	3767991	7.86E-09	9.58E-09	0.00E+00	1.74E-08	8.86E-09	1.39E-08	0.00E+00	2.28E-08	1.49E-09	2.37E-09	0.00E+00	3.86E-09	6.50E-10	9.51E-10	0.00E+00	1.60E-09
3894	441296.7	3767992	8.52E-09	1.04E-08	0.00E+00	1.89E-08	9.60E-09	1.51E-08	0.00E+00	2.47E-08	1.61E-09	2.57E-09	0.00E+00	4.18E-09	7.04E-10	1.03E-09	0.00E+00	1.73E-09
3895	441287	3767992	8.65E-09	1.05E-08	0.00E+00	1.92E-08	9.75E-09	1.53E-08	0.00E+00	2.51E-08	1.64E-09	2.61E-09	0.00E+00	4.25E-09	7.15E-10	1.05E-09	0.00E+00	1.76E-09
3896	441277.2	3767992	8.78E-09	1.07E-08	0.00E+00	1.95E-08	9.90E-09	1.56E-08	0.00E+00	2.55E-08	1.66E-09	2.65E-09	0.00E+00	4.31E-09	7.26E-10	1.06E-09	0.00E+00	1.79E-09
3897	441267.5	3767992	8.91E-09	1.09E-08	0.00E+00	1.98E-08	1.00E-08	1.58E-08	0.00E+00	2.58E-08	1.69E-09	2.69E-09	0.00E+00	4.38E-09	7.37E-10	1.08E-09	0.00E+00	1.82E-09
3898	441257.8	3767992	9.03E-09	1.10E-08	0.00E+00	2.00E-08	1.02E-08	1.60E-08	0.00E+00	2.62E-08	1.71E-09	2.73E-09	0.00E+00	4.44E-09	7.47E-10	1.09E-09	0.00E+00	1.84E-09
3899	441383.3	3767955	6.95E-09	8.47E-09	0.00E+00	1.54E-08	7.84E-09	1.23E-08	0.00E+00	2.02E-08	1.31E-09	2.10E-09	0.00E+00	3.41E-09	5.75E-10	8.41E-10	0.00E+00	1.42E-09
3900	441419	3767970	6.92E-09	8.44E-09	0.00E+00	1.54E-08	7.80E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.09E-09	0.00E+00	3.40E-09	5.72E-10	8.38E-10	0.00E+00	1.41E-09
3901	441427.9	3767973	6.89E-09	8.40E-09	0.00E+00	1.53E-08	7.77E-09	1.22E-08	0.00E+00	2.00E-08	1.30E-09	2.08E-09	0.00E+00	3.38E-09	5.70E-10	8.34E-10	0.00E+00	1.40E-09
3902	441436.8	3767977	6.85E-09	8.35E-09	0.00E+00	1.52E-08	7.72E-09	1.21E-08	0.00E+00	1.99E-08	1.30E-09	2.07E-09	0.00E+00	3.37E-09	5.67E-10	8.29E-10	0.00E+00	1.40E-09
3903	441445.7	3767981	6.81E-09	8.31E-09	0.00E+00	1.51E-08	7.68E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.35E-09	5.63E-10	8.25E-10	0.00E+00	1.39E-09
3904	441454.6	3767985	6.77E-09	8.25E-09	0.00E+00	1.50E-08	7.63E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.59E-10	8.19E-10	0.00E+00	1.38E-09
3905	441463.5	3767988	6.70E-09	8.17E-09	0.00E+00	1.49E-08	7.55E-09	1.19E-08	0.00E+00	1.94E-08	1.27E-09	2.02E-09	0.00E+00	3.29E-09	5.54E-10	8.11E-10	0.00E+00	1.36E-09
3906	441850.5	3768156	4.78E-09	5.83E-09	0.00E+00	1.06E-08	5.39E-09	8.47E-09	0.00E+00	1.39E-08	9.04E-10	1.44E-09	0.00E+00	2.35E-09	3.95E-10	5.78E-10	0.00E+00	9.74E-10
3907	441854.1	3768165	4.81E-09	5.87E-09	0.00E+00	1.07E-08	5.43E-09	8.53E-09	0.00E+00	1.40E-08	9.10E-10	1.45E-09	0.00E+00	2.36E-09	3.98E-10	5.83E-10	0.00E+00	9.81E-10
3908	441857.7	3768174	4.85E-09	5.91E-09	0.00E+00	1.08E-08	5.46E-09	8.59E-09	0.00E+00	1.41E-08	9.16E-10	1.46E-09	0.00E+00	2.38E-09	4.01E-10	5.87E-10	0.00E+00	9.87E-10
3909	441861.3	3768183	4.88E-09	5.95E-09	0.00E+00	1.08E-08	5.50E-09	8.65E-09	0.00E+00	1.42E-08	9.23E-10	1.47E-09	0.00E+00	2.40E-09	4.04E-10	5.91E-10	0.00E+00	9.94E-10
3910	441864.9	3768192	4.92E-09	6.00E-09	0.00E+00	1.09E-08	5.54E-09	8.72E-09	0.00E+00	1.43E-08	9.30E-10	1.49E-09	0.00E+00	2.42E-09	4.07E-10	5.95E-10	0.00E+00	1.00E-09
3911	441868.5	3768201	4.96E-09	6.05E-09	0.00E+00	1.10E-08	5.59E-09	8.79E-09	0.00E+00	1.44E-08	9.38E-10	1.50E-09	0.00E+00	2.44E-09	4.10E-10	6.00E-10	0.00E+00	1.01E-09
3912	441872.1	3768210	5.01E-09	6.11E-09	0.00E+00	1.11E-08	5.65E-09	8.88E-09	0.00E+00	1.45E-08	9.47E-10	1.51E-09	0.00E+00	2.46E-09	4.14E-10	6.06E-10	0.00E+00	1.02E-09
3913	441875.6	3768219	5.05E-09	6.16E-09	0.00E+00	1.12E-08	5.69E-09	8.95E-09	0.00E+00	1.46E-08	9.55E-10	1.53E-09	0.00E+00	2.48E-09	4.18E-10	6.11E-10	0.00E+00	1.03E-09
3914	441879.2	3768228	5.10E-09	6.21E-09	0.00E+00	1.13E-08	5.75E-09	9.03E-09	0.00E+00	1.48E-08	9.64E-10	1.54E-09	0.00E+00	2.50E-09	4.21E-10	6.17E-10	0.00E+00	1.04E-09
3915	441882.8	3768237	5.15E-09	6.28E-09	0.00E+00	1.14E-08	5.80E-09	9.12E-09	0.00E+00	1.49E-08	9.73E-10	1.56E-09	0.00E+00	2.53E-09	4.26E-10	6.23E-10	0.00E+00	1.05E-09
3916	441886.4	3768246	5.20E-09	6.34E-09	0.00E+00	1.15E-08	5.86E-09	9.22E-09	0.00E+00	1.51E-08	9.83E-10	1.57E-09	0.00E+00	2.55E-09	4.30E-10	6.30E-10	0.00E+00	1.06E-09
3917	441890	3768255	5.26E-09	6.41E-09	0.00E+00	1.17E-08	5.93E-09	9.32E-09	0.00E+00	1.52E-08	9.94E-10	1.59E-09	0.00E+00	2.58E-09	4.35E-10	6.36E-10	0.00E+00	1.07E-09

3918	441893.6	3768264	5.32E-09	6.48E-09	0.00E+00	1.18E-08	5.99E-09	9.42E-09	0.00E+00	1.54E-08	1.00E-09	1.61E-09	0.00E+00	2.61E-09	4.40E-10	6.43E-10	0.00E+00	1.08E-09
3919	441897.2	3768273	5.39E-09	6.57E-09	0.00E+00	1.20E-08	6.07E-09	9.54E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.65E-09	4.45E-10	6.52E-10	0.00E+00	1.10E-09
3920	441900.8	3768282	5.47E-09	6.67E-09	0.00E+00	1.21E-08	6.17E-09	9.70E-09	0.00E+00	1.59E-08	1.03E-09	1.65E-09	0.00E+00	2.69E-09	4.52E-10	6.62E-10	0.00E+00	1.11E-09
3921	441904.4	3768291	5.56E-09	6.78E-09	0.00E+00	1.23E-08	6.27E-09	9.86E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.73E-09	4.60E-10	6.73E-10	0.00E+00	1.13E-09
3922	441908	3768300	5.66E-09	6.90E-09	0.00E+00	1.26E-08	6.38E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.85E-10	0.00E+00	1.15E-09
3923	441911.6	3768309	5.76E-09	7.02E-09	0.00E+00	1.28E-08	6.49E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.76E-10	6.97E-10	0.00E+00	1.17E-09
3924	441915.2	3768318	5.86E-09	7.15E-09	0.00E+00	1.30E-08	6.61E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.77E-09	0.00E+00	2.88E-09	4.85E-10	7.10E-10	0.00E+00	1.19E-09
3925	441918.8	3768327	5.98E-09	7.29E-09	0.00E+00	1.33E-08	6.74E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.81E-09	0.00E+00	2.94E-09	4.94E-10	7.23E-10	0.00E+00	1.22E-09
3926	441922.4	3768336	6.09E-09	7.42E-09	0.00E+00	1.35E-08	6.86E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.03E-10	7.37E-10	0.00E+00	1.24E-09
3927	441925.9	3768345	6.20E-09	7.55E-09	0.00E+00	1.37E-08	6.98E-09	1.10E-08	0.00E+00	1.80E-08	1.17E-09	1.87E-09	0.00E+00	3.04E-09	5.12E-10	7.50E-10	0.00E+00	1.26E-09
3928	441929.5	3768353	6.31E-09	7.69E-09	0.00E+00	1.40E-08	7.11E-09	1.12E-08	0.00E+00	1.83E-08	1.19E-09	1.91E-09	0.00E+00	3.10E-09	5.22E-10	7.64E-10	0.00E+00	1.29E-09
3929	441933.1	3768362	6.43E-09	7.84E-09	0.00E+00	1.43E-08	7.25E-09	1.14E-08	0.00E+00	1.86E-08	1.22E-09	1.94E-09	0.00E+00	3.16E-09	5.32E-10	7.78E-10	0.00E+00	1.31E-09
3930	441936.7	3768371	6.56E-09	8.00E-09	0.00E+00	1.46E-08	7.39E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.42E-10	7.94E-10	0.00E+00	1.34E-09
3931	441940.3	3768380	6.70E-09	8.17E-09	0.00E+00	1.49E-08	7.56E-09	1.19E-08	0.00E+00	1.94E-08	1.27E-09	2.03E-09	0.00E+00	3.29E-09	5.54E-10	8.11E-10	0.00E+00	1.37E-09
3932	441943.9	3768389	6.86E-09	8.36E-09	0.00E+00	1.52E-08	7.73E-09	1.22E-08	0.00E+00	1.99E-08	1.30E-09	2.07E-09	0.00E+00	3.37E-09	5.67E-10	8.30E-10	0.00E+00	1.40E-09
3933	441947.5	3768398	7.03E-09	8.57E-09	0.00E+00	1.56E-08	7.93E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.81E-10	8.51E-10	0.00E+00	1.43E-09
3934	442015.8	3768568	1.27E-08	1.55E-08	0.00E+00	2.81E-08	1.43E-08	2.25E-08	0.00E+00	3.68E-08	2.40E-09	3.83E-09	0.00E+00	6.23E-09	1.05E-09	1.53E-09	0.00E+00	2.58E-09
3935	442019.4	3768577	1.31E-08	1.59E-08	0.00E+00	2.90E-08	1.47E-08	2.31E-08	0.00E+00	3.79E-08	2.47E-09	3.95E-09	0.00E+00	6.41E-09	1.08E-09	1.58E-09	0.00E+00	2.66E-09
3936	442023	3768586	1.35E-08	1.64E-08	0.00E+00	2.99E-08	1.52E-08	2.39E-08	0.00E+00	3.90E-08	2.55E-09	4.07E-09	0.00E+00	6.61E-09	1.11E-09	1.63E-09	0.00E+00	2.74E-09
3937	441374.4	3767951	6.97E-09	8.49E-09	0.00E+00	1.55E-08	7.85E-09	1.23E-08	0.00E+00	2.02E-08	1.32E-09	2.10E-09	0.00E+00	3.42E-09	5.76E-10	8.43E-10	0.00E+00	1.42E-09
3938	441364.6	3767951	7.05E-09	8.59E-09	0.00E+00	1.56E-08	7.94E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.13E-09	0.00E+00	3.46E-09	5.83E-10	8.53E-10	0.00E+00	1.44E-09
3939	441354.9	3767951	7.13E-09	8.70E-09	0.00E+00	1.58E-08	8.04E-09	1.26E-08	0.00E+00	2.07E-08	1.35E-09	2.15E-09	0.00E+00	3.50E-09	5.90E-10	8.63E-10	0.00E+00	1.45E-09
3940	441296.5	3767952	7.66E-09	9.33E-09	0.00E+00	1.70E-08	8.63E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.31E-09	0.00E+00	3.76E-09	6.33E-10	9.27E-10	0.00E+00	1.56E-09
3941	441286.8	3767952	7.75E-09	9.45E-09	0.00E+00	1.72E-08	8.74E-09	1.37E-08	0.00E+00	2.25E-08	1.47E-09	2.34E-09	0.00E+00	3.81E-09	6.41E-10	9.39E-10	0.00E+00	1.58E-09
3942	441277.1	3767952	7.85E-09	9.57E-09	0.00E+00	1.74E-08	8.85E-09	1.39E-08	0.00E+00	2.28E-08	1.48E-09	2.37E-09	0.00E+00	3.86E-09	6.49E-10	9.50E-10	0.00E+00	1.60E-09
3943	441267.3	3767952	7.95E-09	9.69E-09	0.00E+00	1.76E-08	8.96E-09	1.41E-08	0.00E+00	2.30E-08	1.50E-09	2.40E-09	0.00E+00	3.90E-09	6.57E-10	9.62E-10	0.00E+00	1.62E-09
3944	441257.6	3767952	8.04E-09	9.80E-09	0.00E+00	1.78E-08	9.07E-09	1.43E-08	0.00E+00	2.33E-08	1.52E-09	2.43E-09	0.00E+00	3.95E-09	6.65E-10	9.73E-10	0.00E+00	1.64E-09
3945	441383.1	3767915	6.32E-09	7.70E-09	0.00E+00	1.40E-08	7.12E-09	1.12E-08	0.00E+00	1.83E-08	1.19E-09	1.91E-09	0.00E+00	3.10E-09	5.22E-10	7.65E-10	0.00E+00	1.29E-09
3946	441418.9	3767930	6.25E-09	7.61E-09	0.00E+00	1.39E-08	7.04E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.16E-10	7.56E-10	0.00E+00	1.27E-09
3947	441427.9	3767934	6.21E-09	7.58E-09	0.00E+00	1.38E-08	7.00E-09	1.10E-08	0.00E+00	1.80E-08	1.17E-09	1.88E-09	0.00E+00	3.05E-09	5.14E-10	7.52E-10	0.00E+00	1.27E-09
3948	441436.8	3767937	6.18E-09	7.54E-09	0.00E+00	1.37E-08	6.97E-09	1.10E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.04E-09	5.11E-10	7.48E-10	0.00E+00	1.26E-09
3949	441445.8	3767941	6.15E-09	7.50E-09	0.00E+00	1.36E-08	6.93E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.86E-09	0.00E+00	3.02E-09	5.09E-10	7.44E-10	0.00E+00	1.25E-09
3950	441454.7	3767945	6.12E-09	7.47E-09	0.00E+00	1.36E-08	6.90E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.85E-09	0.00E+00	3.01E-09	5.06E-10	7.41E-10	0.00E+00	1.25E-09
3951	441463.7	3767948	6.10E-09	7.43E-09	0.00E+00	1.35E-08	6.87E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	3.00E-09	5.04E-10	7.38E-10	0.00E+00	1.24E-09
3952	441879	3768128	4.34E-09	5.29E-09	0.00E+00	9.62E-09	4.89E-09	7.69E-09	0.00E+00	1.26E-08	8.20E-10	1.31E-09	0.00E+00	2.13E-09	3.59E-10	5.25E-10	0.00E+00	8.83E-10
3953	441882.6	3768137	4.36E-09	5.31E-09	0.00E+00	9.67E-09	4.91E-09	7.73E-09	0.00E+00	1.26E-08	8.24E-10	1.32E-09	0.00E+00	2.14E-09	3.60E-10	5.28E-10	0.00E+00	8.88E-10
3954	441886.2	3768146	4.38E-09	5.35E-09	0.00E+00	9.73E-09	4.94E-09	7.77E-09	0.00E+00	1.27E-08	8.29E-10	1.32E-09	0.00E+00	2.15E-09	3.63E-10	5.31E-10	0.00E+00	8.93E-10
3955	441889.8	3768155	4.41E-09	5.38E-09	0.00E+00	9.79E-09	4.98E-09	7.82E-09	0.00E+00	1.28E-08	8.34E-10	1.33E-09	0.00E+00	2.17E-09	3.65E-10	5.34E-10	0.00E+00	8.99E-10
3956	441893.4	3768164	4.45E-09	5.42E-09	0.00E+00	9.86E-09	5.01E-09	7.88E-09	0.00E+00	1.29E-08	8.40E-10	1.34E-09	0.00E+00	2.18E-09	3.68E-10	5.38E-10	0.00E+00	9.06E-10
3957	441897	3768173	4.48E-09	5.46E-09	0.00E+00	9.94E-09	5.05E-09	7.94E-09	0.00E+00	1.30E-08	8.47E-10	1.35E-09	0.00E+00	2.20E-09	3.70E-10	5.42E-10	0.00E+00	9.12E-10
3958	441900.6	3768182	4.51E-09	5.50E-09	0.00E+00	1.00E-08	5.09E-09	8.00E-09	0.00E+00	1.31E-08	8.53E-10	1.36E-09	0.00E+00	2.22E-09	3.73E-10	5.46E-10	0.00E+00	9.19E-10
3959	441904.2	3768191	4.55E-09	5.55E-09	0.00E+00	1.01E-08	5.13E-09	8.06E-09	0.00E+00	1.32E-08	8.60E-10	1.37E-09	0.00E+00	2.23E-09	3.76E-10	5.51E-10	0.00E+00	9.27E-10
3960	441907.8	3768200	4.59E-09	5.59E-09	0.00E+00	1.02E-08	5.17E-09	8.13E-09	0.00E+00	1.33E-08	8.67E-10	1.39E-09	0.00E+00	2.25E-09	3.79E-10	5.55E-10	0.00E+00	9.34E-10
3961	441911.4	3768209	4.63E-09	5.64E-09	0.00E+00	1.03E-08	5.22E-09	8.20E-09	0.00E+00	1.34E-08	8.75E-10	1.40E-09	0.00E+00	2.27E-09	3.83E-10	5.60E-10	0.00E+00	9.43E-10
3962	441915	3768218	4.68E-09	5.70E-09	0.00E+00	1.04E-08	5.27E-09	8.29E-09	0.00E+00	1.36E-08	8.84E-10	1.41E-09	0.00E+00	2.30E-09	3.87E-10	5.66E-10	0.00E+00	9.53E-10
3963	441918.6	3768227	4.73E-09	5.77E-09	0.00E+00	1.05E-08	5.33E-09	8.38E-09	0.00E+00	1.37E-08	8.94E-10	1.43E-09	0.00E+00	2.32E-09	3.91E-10	5.72E-10	0.00E+00	9.63E-10
3964	441922.2	3768236	4.79E-09	5.83E-09	0.00E+00	1.06E-08	5.39E-09	8.48E-09	0.00E+00	1.39E-08	9.05E-10	1.45E-09	0.00E+00	2.35E-09	3.96E-10	5.79E-10	0.00E+00	9.75E-10
3965	441925.8	3768245	4.84E-09	5.91E-09	0.00E+00	1.08E-08	5.46E-09	8.58E-09	0.00E+00	1.40E-08	9.16E-10	1.46E-09	0.00E+00	2.38E-09	4.01E-10	5.86E-10	0.00E+00	9.87E-10
3966	441929.5	3768254	4.91E-09	5.98E-09	0.00E+00	1.09E-08	5.53E-09	8.70E-09	0.00E+00	1.42E-08	9.28E-10	1.48E-09	0.00E+00	2.41E-09	4.06E-10	5.94E-10	0.00E+00	1.00E-09
3967	441933.1	3768263	4.97E-09	6.06E-09	0.00E+00	1.10E-08	5.60E-09	8.81E-09	0.00E+00	1.44E-08	9.40E-10	1.50E-09	0.00E+00	2.44E-09	4.11E-10	6.02E-10	0.00E+00	1.01E-09
3968	441936.7	3768272	5.04E-09	6.14E-09	0.00E+00	1.12E-08	5.68E-09	8.93E-09	0.00E+00	1.46E-08	9.53E-10	1.52E-09	0.00E+00	2.48E-09	4.17E-10	6.10E-10	0.00E+00	1.03E-09
3969	441940.3	3768281	5.11E-09	6.24E-09	0.00E+00	1.13E-08	5.77E-09	9.06E-09	0.00E+00	1.48E-08	9.67E-10	1.55E-09	0.00E+00	2.51E-09	4.23E-10	6.19E-10	0.00E+00	1.04E-09
3970	441943.9	3768290	5.20E-09	6.33E-09	0.00E+00	1.15E-08	5.86E-09	9.21E-09	0.00E+00	1.51E-08	9.82E-10	1.57E-09	0.00E+00	2.55E-09	4.30E-10	6.29E-10	0.00E+00	1.06E-09
3971	441947.5	3768299	5.28E-09	6.44E-09	0.00E+00	1.17E-08	5.96E-09	9.36E-09	0.00E+00	1.53E-08	9.99E-10	1.60E-09	0.00E+00	2.60E-09	4.37E-10	6.40E-10	0.00E+00	1.08E-09
3972	441951.1	3768308	5.38E-09	6.56E-09	0.00E+00	1.19E-08	6.06E-09	9.53E-09	0.00E+00	1.56E-08	1.02E-09	1.62E-09	0.00E+00	2.64E-09	4.45E-10	6.51E-10	0.00E+00	1.10E-09
3973	441954.7	3768317	5.47E-09	6.67E-09	0.00E+00	1.21E-08	6.17E-09	9.70E-09	0.00E+00	1.59E-08	1.03E-09	1.65E-09	0.00E+00	2.69E-09	4.53E-10	6.63E-10	0.00E+00	1.12E-09
3974	441958.3	3768326	5.58E-09	6.80E-09	0.00E+00	1.24E-08	6.28E-09	9.88E-09	0.00E+00	1.62E-08	1.05E-09	1.68E-09	0.00E+00	2.74E-09	4.61E-10	6.75E-10	0.00E+00	1.14E-09
3975	441961.9	3768335	5.68E-09	6.92E-09	0.00E+00	1.26E-08	6.40E-09	1.01E-08	0.00E+00	1.65E-08	1.07E-09	1.72E-09	0.00E+00	2.79E-09	4.69E-10	6.87E-10	0.00E+00	1.16E-09
3976	441965.5	3768344	5.78E-09	7.05E-09	0.00E+00	1.28E-08	6.52E-09	1.02E-08	0.00E+00	1.68E-08	1.09E-09	1.75E-09	0.00E+00	2.84E-09	4.78E-10	7.00E-10	0.00E+00	1.18E-09
3977	442052.1	3768560	1.13E-08	1.38E-08	0.00E+00	2.51E-08	1.28E-08	2.01E-08	0.00E+00	3.29E-08	2.14E-09	3.42E-09	0.00E+00	5.57E-09	9.37E-10	1.37E-09	0.00E+00	2.31E-09
3978	442055.7	3768569	1.17E-08	1.42E-08	0.00E+00	2.59E-08	1.32E-08	2.07E-08	0.00E+00	3.39E-08	2.21E-09	3.53E-09	0.00E+00	5.74E-09	9.66E-10	1.41E-09	0.00E+00	2.38E-09
3979	442059.3	3768578	1.21E-08	1.47E-08	0.00E+00	2.68E-08	1.36E-08	2.14E-08	0.00E+00	3.50E-08	2.28E-09	3.64E-09	0.00E+00	5.92E-09	9.97E-10	1.46E-09	0.00E+00	2.46E-09
3980	442062.9	3768587	1.25E-08	1.52E-08	0.00E+00	2.76E-08	1.40E-08	2.21E-08	0.00E+00	3.61E-08	2.35E-09	3.76E-09	0.00E+00	6.12E-09	1.03E-09	1.51E-09	0.00E+00	2.54E-09
3981	442066.5	3768596	1.29E-08	1.57E-08	0.00E+00	2.85E-08	1.45E-08	2.28E-08	0.00E+00	3.73E-08	2.43E-09	3.88E-09	0.00E+00	6.31E-09	1.06E-09	1.56E-09	0.00E+00	2.62E-09
3982	441374.2	3767911	6.33E-09	7.71E-09	0.00E+00	1.40E-08	7.13E-09	1.12E-08	0.00E+00	1.83E-08	1.20E-09	1.91E-09	0.00E+00	3.11E-09	5.23E-10	7.66E-10	0.00E+00	1.29E-09
3983	441364.5	3767911	6.40E-09	7.80E-09	0.00E+00	1.42E-08	7.21E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.29E-10	7.74E-10	0.00E+00	1.30E-09
3984	441354.7	3767911	6.47E-09	7.89E-09	0.00E+00	1.44E-08	7.30E-09	1.15E-08	0.00E+00	1.88E-08	1.22E-09	1.96E-09	0.00E+00	3.18E-09	5.35E-10	7.83E-10	0.00E+00	1.32E-09
3985	441296.3	3767912	6.96E-09	8.48E-09	0.00E+00	1.54E-08	7.84E-09	1.23E-08	0.00E+00	2.02E-08	1.31E-09	2.10E-09	0.00E+00	3.42E-09	5.75E-10	8.42E-10	0.00E+00	1.42E-09
3986	441286.6	3767912	7.02E-09	8.56E-09	0.00E+00	1.56E-08	7.92E-09	1.24E-08	0.00E+00	2.04E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.81E-10	8.50E-10	0.00E+00	1.43E-09
3987	441276.9	3767912	7.09E-09	8.64E-09	0.00E+00	1.57E-08	7.99E-09	1.26E-08	0.00E+00	2.06E-08	1.34E-09	2.14E-09	0.00E+00	3.48E-09	5.86E-10	8.58E-10	0.00E+00	1.44E-09
3988	441267.1	3767912	7.16E-09	8.73E-09	0.00E+00	1.59E-08	8.07E-09	1.27E-08	0.00E+00	2.08E-08	1.35E-09	2.16E-09	0.00E+00	3.52E-09	5.92E-10	8.67E-10	0.00E+00	1.46E-09
3989	441257.4	3767912	7.24E-09	8.83E-09	0.00E+00	1.61E-08	8.16E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.19E-09	0.00E+00	3.56E-09	5.99E-10	8.76E-10	0.00E+00	1.47E-09
3990	441383	3767875	5.74E-09	6.99E-09	0.00E+00	1.27E-08	6.47E-09	1.02E-08	0.00E+00	1.66E-08	1.08E-09	1.73E-09	0.00E+00	2.82E-09	4.74E-10	6.94E-10	0.00E+00	1.17E-09
3991	441418.9	3767890	5.71E-09	6.96E-09	0.00E+00	1.27E-08	6.44E-09	1.01E-08	0.00E+00	1.66E-08	1.08E-09	1.73E-09	0.00E+00	2.81E-09	4.72E-10	6.91E-10	0.00E+00	1.16E-09
3992	441427.9	3767894	5.69E-09	6.93E-09	0.00E+00	1.26E-08	6.41E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.79E-09	4.70E-10	6.88E-10	0.00E+00	1.16E-09
3993	441436.9	3767897	5.66E-09	6.90E-09	0.00E+00	1.26E-08	6.38E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.85E-10	0.00E+00	1.15E-09
3994	441445.8	3767901	5.63E-09	6.86E-09	0.00E+00	1.25E-08	6.34E-09	9.97E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.65E-10	6.81E-10	0.00E+00	1.15E-09
3995	441454.8	3767905	5.60E-09	6.83E-09	0.00E+00	1.24E-08	6.31E-09	9.92E-09	0.00E+00	1.62E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.63E-10	6.78E-10	0.00E+00	1.14E-09
3996	441463.8	3767909	5.58E-09	6.80E-09	0.00E+00	1.24E-08	6.29E-09	9.89E-09	0.00E+00	1.62E-08	1.05E-09	1.69E-09	0.00E+00	2.74E-09	4.61E-10	6.75E-10	0.00E+00	1.14E-09
3997	441907.4	3768100	3.97E-09	4.83E-09	0.00E+00	8.80E-09	4.47E-09	7.03E-09	0.00E+00	1.15E-08	7.50E-10	1.20E-09	0.00E+00	1.95E-09	3.28E-10	4.80E-10	0.00E+00	8.08E-10
3998	441911	3768109	3.98E-09	4.86E-09	0.00E+00	8.84E-09	4.49E-09	7.06E-09	0.00E+00	1.16E-08	7.53E-10	1.20E-09	0.00E+00	1.96E-09	3.29E-10	4.82E-10	0.00E+00	8.12E-10
3999	441914.7	3768118	4.00E-09	4.88E-09	0.00E+00	8.88E-09	4.51E-09	7.09E-09	0.00E+00	1.16E-08	7.57E-10	1.21E-09	0.00E+00	1.97E-09	3.31E-10	4.84E-10	0.00E+00	8.15E-10
4000	441918.3	3768127	4.03E-09	4.91E-09	0.00E+00	8.94E-09	4.54E-09	7.14E-09	0.00E+00	1.17E-08	7.61E-10	1.22E-09	0.00E+00	1.98E-09	3.33E-10	4.87E-10	0.00E+00	8.20E-10
4001	441921.9	3768136	4.05E-09	4.94E-09	0.00E+00	9.00E-09	4.57E-09	7.18E-09	0.00E+00	1.18E-08	7.66E-10	1.22E-09	0.00E+00	1.99E-09	3.35E-10	4.91E-10	0.00E+00	8.26E-10
4002	441925.5	3768145	4.08E-09	4.98E-09	0.00E+00	9.06E-09	4.60E-09	7.23E-09	0.00E+00	1.18E-08	7.72E-10	1.23E-09	0.00E+00	2.01E-09	3.38E-10	4.94E-10	0.00E+00	8.32E-10
4003	441929.1	3768154	4.11E-09	5.01E-09	0.00E+00	9.12E-09	4.63E-09	7.29E-09	0.00E+00	1.19E-08	7.77E-10	1.24E-09	0.00E+00	2.02E-09	3.40E-10	4.98E-10	0.00E+00	8.38E-10
4004	441932.8	3768163	4.14E-09	5.05E-09	0.00E+00	9.19E-09	4.67E-09	7.34E-09	0.00E+00	1.20E-08	7.83E-10	1.25E-09	0.00E+00	2.03E-09	3.42E-10	5.01E-10	0.00E+00	8.44E-10
4005	441936.4	3768172	4.17E-09	5.09E-09	0.00E+00	9.26E-09	4.70E-09	7.40E-09	0.00E+00	1.21E-08	7.89E-10	1.26E-09	0.00E+00	2.05E-09	3.45E-10	5.05E-10	0.00E+00	8.50E-10
4006	441940	3768181	4.21E-09	5.13E-09	0.00E+00	9.34E-09	4.74E-09	7.46E-09	0.00E+00	1.22E-08	7.95E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.09E-10	0.00E+00	8.57E-10
4007	441943.6	3768190	4.24E-09	5.17E-09	0.00E+00	9.41E-09	4.78E-09	7.52E-09	0.00E+00	1.23E-08	8.02E-10	1.28E-09	0.00E+00	2.08E-09	3.51E-10	5.13E-10	0.00E+00	8.64E-10
4008	441947.2	3768199	4.28E-09	5.22E-09	0.00E+00	9.50E-09	4.82E-09	7.58E-09	0.00E+00	1.24E-08	8.09E-10	1.29E-09	0.00E+00	2.10E-09	3.54E-10	5.18E-10	0.00E+00	8.72E-10
4009	441950.9	3768208	4.32E-09	5.27E-09	0.00E+00	9.59E-09	4.87E-09	7.65E-09	0.00E+00	1.25E-08	8.17E-10	1.30E-09	0.00E+00	2.12E-09	3.57E-10	5.23E-10	0.00E+00	8.80E-10
4010	441954.5	3768218	4.36E-09	5.32E-09	0.00E+00	9.68E-09	4.92E-09	7.73E-09	0.00E+00	1.26E-08	8.25E-10	1.32E-09	0.00E+00	2.14E-09	3.61E-10	5.28E-10	0.00E+00	8.89E-10
4011	441958.1	3768227	4.41E-09	5.37E-09	0.00E+00	9.78E-09	4.97E-09	7.81E-09	0.00E+00	1.28E-08	8.33E-10	1.33E-09	0.00E+00	2.16E-09	3.64E-10	5.33E-10	0.00E+00	8.98E-10
4012	441961.7	3768236	4.45E-09	5.43E-09	0.00E+00	9.88E-09	5.02E-09	7.89E-09	0.00E+00	1.29E-08	8.42E-10	1.34E-09	0.00E+00	2.19E-09	3.68E-10	5.39E-10	0.00E+00	9.07E-10
4013	441997.9	3768326	5.21E-09	6.35E-09	0.00E+00	1.16E-08	5.87E-09	9.24E-09	0.00E+00	1.51E-08	9.85E-10	1.57E-09	0.00E+00	2.56E-09	4.31E-10	6.31E-10	0.00E+00	1.06E-09
4014	442001.5	3768335	5.31E-09	6.48E-09	0.00E+00	1.18E-08	5.99E-09	9.41E-09	0.00E+00	1.54E-08	1.00E-09	1.60E-09	0.00E+00	2.61E-09	4.39E-10	6.43E-10	0.00E+00	1.08E-09
4015	442005.1	3768344	5.41E-09	6.60E-09	0.00E+00	1.20E-08	6.10E-09	9.60E-09	0.00E+00	1.57E-08	1.02E-09	1.64E-09	0.00E+00	2.66E-09	4.48E-10	6.55E-10	0.00E+00	1.10E-09
4016	442008.8	3768353	5.52E-09	6.73E-09	0.00E+00	1.23E-08	6.23E-09	9.79E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.57E-10	6.68E-10	0.00E+00	1.13E-09
4017	442012.4	3768362	5.64E-09	6.88E-09	0.00E+00	1.25E-08	6.36E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.70E-09	0.00E+00	2.77E-09	4.66E-10	6.83E-10	0.00E+00	1.15E-09
4018	442016	3768371	5.77E-09	7.04E-09	0.00E+00	1.28E-08	6.51E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.84E-09	4.77E-10	6.99E-10	0.00E+00	1.18E-09
4019	442019.6	3768380	5.91E-09	7.21E-09	0.00E+00	1.31E-08	6.66E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.79E-09	0.00E+00	2.90E-09	4.89E-10	7.15E-10	0.00E+00	1.20E-09
4020	442023.2	3768389	6.06E-09	7.38E-09	0.00E+00	1.34E-08	6.83E-09	1.07E-08	0.00E+00	1.76E-08	1.14E-09	1.83E-09	0.00E+00	2.97E-09	5.01E-10	7.33E-10	0.00E+00	1.23E-09
4021	442026.9	3768398	6.20E-09	7.56E-09	0.00E+00	1.38E-08	6.99E-09	1.10E-08	0.00E+00	1.80E-08	1.17E-09	1.87E-09	0.00E+00	3.05E-09	5.13E-10	7.50E-10	0.00E+00	1.26E-09
4022	442084.8	3768542	9.86E-09	1.20E-08	0.00E+00	2.19E-08	1.11E-08	1.75E-08	0.00E+00	2.86E-08	1.86E-09	2.98E-09	0.00E+00	4.84E-09	8.15E-10	1.19E-09	0.00E+00	2.01E-09
4023	442088.4	3768551	1.02E-08	1.24E-08	0.00E+00	2.26E-08	1.15E-08	1.80E-08	0.00E+00	2.95E-08	1.92E-09	3.07E-09	0.00E+00	4.99E-09	8.40E-10	1.23E-09	0.00E+00	2.07E-09
4024	442092	3768560	1.05E-08	1.28E-08	0.00E+00	2.32E-08	1.18E-08	1.86E-08	0.00E+00	3.04E-08	1.98E-09	3.16E-09	0.00E+00	5.15E-09	8.66E-10	1.27E-09	0.00E+00	2.13E-09
4025	442095.6	3768569	1.08E-08	1.32E-08	0.00E+00	2.40E-08	1.22E-08	1.91E-08	0.00E+00	3.13E-08	2.04E-09	3.26E-09	0.00E+00	5.30E-09	8.93E-10	1.31E-09	0.00E+00	2.20E-09
4026	442099.2	3768578	1.11E-08	1.36E-08	0.00E+00	2.47E-08	1.26E-08	1.98E-08	0.00E+00	3.23E-08	2.11E-09	3.37E-09	0.00E+00	5.48E-09	9.22E-10	1.35E-09	0.00E+00	2.27E-09
4027	442102.8	3768587	1.15E-08	1.40E-08	0.00E+00	2.55E-08	1.30E-08	2.04E-08	0.00E+00	3.34E-08	2.18E-09	3.48E-09	0.00E+00	5.65E-09	9.51E-10	1.39E-09	0.00E+00	2.34E-09
4028	442106.5	3768596	1.19E-08	1.45E-08	0.00E+00	2.63E-08	1.34E-08	2.10E-08	0.00E+00	3.44E-08	2.24E-09	3.58E-09	0.00E+00	5.83E-09	9.81E-10	1.44E-09	0.00E+00	2.42E-09
4029	441374	3767871	5.75E-09	7.01E-09	0.00E+00	1.28E-08	6.48E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.76E-10	6.96E-10	0.00E+00	1.17E-09

4030	441364.3	3767871	5.82E-09	7.09E-09	0.00E+00	1.29E-08	6.56E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.81E-10	7.04E-10	0.00E+00	1.19E-09
4031	441354.5	3767871	5.89E-09	7.17E-09	0.00E+00	1.31E-08	6.63E-09	1.04E-08	0.00E+00	1.71E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.87E-10	7.12E-10	0.00E+00	1.20E-09
4032	441305.9	3767872	6.25E-09	7.62E-09	0.00E+00	1.39E-08	7.04E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.17E-10	7.56E-10	0.00E+00	1.27E-09
4033	441296.2	3767872	6.33E-09	7.71E-09	0.00E+00	1.40E-08	7.13E-09	1.12E-08	0.00E+00	1.83E-08	1.20E-09	1.91E-09	0.00E+00	3.11E-09	5.23E-10	7.66E-10	0.00E+00	1.29E-09
4034	441286.4	3767872	6.40E-09	7.80E-09	0.00E+00	1.42E-08	7.22E-09	1.13E-08	0.00E+00	1.86E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.29E-10	7.75E-10	0.00E+00	1.30E-09
4035	441276.7	3767872	6.47E-09	7.89E-09	0.00E+00	1.44E-08	7.30E-09	1.15E-08	0.00E+00	1.88E-08	1.22E-09	1.96E-09	0.00E+00	3.18E-09	5.35E-10	7.84E-10	0.00E+00	1.32E-09
4036	441267	3767872	6.55E-09	7.98E-09	0.00E+00	1.45E-08	7.38E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.41E-10	7.92E-10	0.00E+00	1.33E-09
4037	441257.2	3767872	6.62E-09	8.06E-09	0.00E+00	1.47E-08	7.46E-09	1.17E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.25E-09	5.47E-10	8.01E-10	0.00E+00	1.35E-09
4038	441382.7	3767835	5.27E-09	6.43E-09	0.00E+00	1.17E-08	5.94E-09	9.35E-09	0.00E+00	1.53E-08	9.97E-10	1.59E-09	0.00E+00	2.59E-09	4.36E-10	6.38E-10	0.00E+00	1.07E-09
4039	441418.1	3767850	5.24E-09	6.39E-09	0.00E+00	1.16E-08	5.91E-09	9.29E-09	0.00E+00	1.52E-08	9.91E-10	1.58E-09	0.00E+00	2.57E-09	4.33E-10	6.34E-10	0.00E+00	1.07E-09
4040	441427	3767853	5.23E-09	6.37E-09	0.00E+00	1.16E-08	5.89E-09	9.26E-09	0.00E+00	1.52E-08	9.88E-10	1.58E-09	0.00E+00	2.57E-09	4.32E-10	6.33E-10	0.00E+00	1.06E-09
4041	441435.9	3767857	5.21E-09	6.35E-09	0.00E+00	1.16E-08	5.87E-09	9.23E-09	0.00E+00	1.51E-08	9.85E-10	1.57E-09	0.00E+00	2.56E-09	4.31E-10	6.30E-10	0.00E+00	1.06E-09
4042	441444.7	3767861	5.19E-09	6.33E-09	0.00E+00	1.15E-08	5.85E-09	9.20E-09	0.00E+00	1.51E-08	9.82E-10	1.57E-09	0.00E+00	2.55E-09	4.29E-10	6.28E-10	0.00E+00	1.06E-09
4043	441453.6	3767864	5.17E-09	6.31E-09	0.00E+00	1.15E-08	5.83E-09	9.17E-09	0.00E+00	1.50E-08	9.78E-10	1.56E-09	0.00E+00	2.54E-09	4.28E-10	6.26E-10	0.00E+00	1.05E-09
4044	441462.5	3767868	5.16E-09	6.29E-09	0.00E+00	1.14E-08	5.81E-09	9.14E-09	0.00E+00	1.50E-08	9.75E-10	1.56E-09	0.00E+00	2.53E-09	4.26E-10	6.24E-10	0.00E+00	1.05E-09
4045	441946.6	3768099	3.70E-09	4.52E-09	0.00E+00	8.22E-09	4.18E-09	6.56E-09	0.00E+00	1.07E-08	7.00E-10	1.12E-09	0.00E+00	1.82E-09	3.06E-10	4.48E-10	0.00E+00	7.55E-10
4046	441950.1	3768108	3.72E-09	4.54E-09	0.00E+00	8.26E-09	4.20E-09	6.60E-09	0.00E+00	1.08E-08	7.04E-10	1.12E-09	0.00E+00	1.83E-09	3.08E-10	4.50E-10	0.00E+00	7.58E-10
4047	441953.7	3768117	3.74E-09	4.56E-09	0.00E+00	8.30E-09	4.22E-09	6.63E-09	0.00E+00	1.08E-08	7.07E-10	1.13E-09	0.00E+00	1.84E-09	3.09E-10	4.53E-10	0.00E+00	7.62E-10
4048	441957.3	3768125	3.76E-09	4.59E-09	0.00E+00	8.35E-09	4.24E-09	6.67E-09	0.00E+00	1.09E-08	7.11E-10	1.14E-09	0.00E+00	1.85E-09	3.11E-10	4.55E-10	0.00E+00	7.66E-10
4049	441960.8	3768134	3.79E-09	4.62E-09	0.00E+00	8.40E-09	4.27E-09	6.71E-09	0.00E+00	1.10E-08	7.16E-10	1.14E-09	0.00E+00	1.86E-09	3.13E-10	4.58E-10	0.00E+00	7.72E-10
4050	441996.6	3768223	4.09E-09	4.98E-09	0.00E+00	9.07E-09	4.61E-09	7.24E-09	0.00E+00	1.19E-08	7.73E-10	1.23E-09	0.00E+00	2.01E-09	3.38E-10	4.95E-10	0.00E+00	8.33E-10
4051	442000.1	3768232	4.14E-09	5.04E-09	0.00E+00	9.18E-09	4.66E-09	7.33E-09	0.00E+00	1.20E-08	7.82E-10	1.25E-09	0.00E+00	2.03E-09	3.42E-10	5.01E-10	0.00E+00	8.43E-10
4052	442003.7	3768241	4.19E-09	5.10E-09	0.00E+00	9.29E-09	4.72E-09	7.42E-09	0.00E+00	1.21E-08	7.91E-10	1.26E-09	0.00E+00	2.06E-09	3.46E-10	5.07E-10	0.00E+00	8.53E-10
4053	442007.3	3768250	4.24E-09	5.17E-09	0.00E+00	9.40E-09	4.78E-09	7.51E-09	0.00E+00	1.23E-08	8.01E-10	1.28E-09	0.00E+00	2.08E-09	3.50E-10	5.13E-10	0.00E+00	8.63E-10
4054	442010.9	3768259	4.29E-09	5.23E-09	0.00E+00	9.53E-09	4.84E-09	7.61E-09	0.00E+00	1.24E-08	8.12E-10	1.30E-09	0.00E+00	2.11E-09	3.55E-10	5.20E-10	0.00E+00	8.75E-10
4055	442014.4	3768268	4.36E-09	5.31E-09	0.00E+00	9.67E-09	4.91E-09	7.72E-09	0.00E+00	1.26E-08	8.23E-10	1.32E-09	0.00E+00	2.14E-09	3.60E-10	5.27E-10	0.00E+00	8.87E-10
4056	442018	3768277	4.43E-09	5.40E-09	0.00E+00	9.83E-09	4.99E-09	7.85E-09	0.00E+00	1.28E-08	8.37E-10	1.34E-09	0.00E+00	2.18E-09	3.66E-10	5.36E-10	0.00E+00	9.02E-10
4057	442021.6	3768286	4.51E-09	5.50E-09	0.00E+00	1.00E-08	5.08E-09	7.99E-09	0.00E+00	1.31E-08	8.53E-10	1.36E-09	0.00E+00	2.22E-09	3.73E-10	5.46E-10	0.00E+00	9.19E-10
4058	442025.1	3768295	4.60E-09	5.61E-09	0.00E+00	1.02E-08	5.18E-09	8.15E-09	0.00E+00	1.33E-08	8.70E-10	1.39E-09	0.00E+00	2.26E-09	3.80E-10	5.57E-10	0.00E+00	9.37E-10
4059	442028.7	3768304	4.69E-09	5.72E-09	0.00E+00	1.04E-08	5.29E-09	8.31E-09	0.00E+00	1.36E-08	8.87E-10	1.42E-09	0.00E+00	2.30E-09	3.88E-10	5.68E-10	0.00E+00	9.56E-10
4060	442032.3	3768312	4.79E-09	5.83E-09	0.00E+00	1.06E-08	5.39E-09	8.48E-09	0.00E+00	1.39E-08	9.05E-10	1.45E-09	0.00E+00	2.35E-09	3.96E-10	5.79E-10	0.00E+00	9.75E-10
4061	442035.9	3768321	4.88E-09	5.95E-09	0.00E+00	1.08E-08	5.50E-09	8.65E-09	0.00E+00	1.42E-08	9.23E-10	1.48E-09	0.00E+00	2.40E-09	4.04E-10	5.91E-10	0.00E+00	9.95E-10
4062	442039.4	3768330	4.98E-09	6.07E-09	0.00E+00	1.11E-08	5.62E-09	8.83E-09	0.00E+00	1.44E-08	9.42E-10	1.51E-09	0.00E+00	2.45E-09	4.12E-10	6.03E-10	0.00E+00	1.02E-09
4063	442043	3768339	5.07E-09	6.18E-09	0.00E+00	1.12E-08	5.71E-09	8.98E-09	0.00E+00	1.47E-08	9.58E-10	1.53E-09	0.00E+00	2.49E-09	4.19E-10	6.14E-10	0.00E+00	1.03E-09
4064	442046.6	3768348	5.16E-09	6.29E-09	0.00E+00	1.14E-08	5.81E-09	9.14E-09	0.00E+00	1.50E-08	9.75E-10	1.56E-09	0.00E+00	2.53E-09	4.26E-10	6.24E-10	0.00E+00	1.05E-09
4065	442050.1	3768357	5.25E-09	6.40E-09	0.00E+00	1.16E-08	5.91E-09	9.30E-09	0.00E+00	1.52E-08	9.92E-10	1.58E-09	0.00E+00	2.58E-09	4.34E-10	6.35E-10	0.00E+00	1.07E-09
4066	442053.7	3768366	5.36E-09	6.53E-09	0.00E+00	1.19E-08	6.04E-09	9.50E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.49E-10	0.00E+00	1.09E-09
4067	442057.3	3768375	5.49E-09	6.69E-09	0.00E+00	1.22E-08	6.18E-09	9.72E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.69E-09	4.54E-10	6.64E-10	0.00E+00	1.12E-09
4068	442125.2	3768544	9.18E-09	1.12E-08	0.00E+00	2.04E-08	1.03E-08	1.63E-08	0.00E+00	2.66E-08	1.74E-09	2.77E-09	0.00E+00	4.51E-09	7.59E-10	1.11E-09	0.00E+00	1.87E-09
4069	442128.7	3768553	9.45E-09	1.15E-08	0.00E+00	2.10E-08	1.07E-08	1.68E-08	0.00E+00	2.74E-08	1.79E-09	2.86E-09	0.00E+00	4.64E-09	7.82E-10	1.14E-09	0.00E+00	1.93E-09
4070	442132.3	3768562	9.73E-09	1.19E-08	0.00E+00	2.16E-08	1.10E-08	1.72E-08	0.00E+00	2.82E-08	1.84E-09	2.94E-09	0.00E+00	4.78E-09	8.05E-10	1.18E-09	0.00E+00	1.98E-09
4071	442135.9	3768571	1.00E-08	1.22E-08	0.00E+00	2.22E-08	1.13E-08	1.77E-08	0.00E+00	2.90E-08	1.89E-09	3.03E-09	0.00E+00	4.92E-09	8.28E-10	1.21E-09	0.00E+00	2.04E-09
4072	442139.5	3768580	1.03E-08	1.26E-08	0.00E+00	2.29E-08	1.16E-08	1.83E-08	0.00E+00	2.99E-08	1.95E-09	3.12E-09	0.00E+00	5.07E-09	8.53E-10	1.25E-09	0.00E+00	2.10E-09
4073	442143	3768589	1.06E-08	1.30E-08	0.00E+00	2.36E-08	1.20E-08	1.88E-08	0.00E+00	3.08E-08	2.01E-09	3.21E-09	0.00E+00	5.22E-09	8.78E-10	1.29E-09	0.00E+00	2.16E-09
4074	441373.8	3767831	5.29E-09	6.44E-09	0.00E+00	1.17E-08	5.96E-09	9.37E-09	0.00E+00	1.53E-08	9.99E-10	1.60E-09	0.00E+00	2.60E-09	4.37E-10	6.40E-10	0.00E+00	1.08E-09
4075	441364.1	3767831	5.34E-09	6.51E-09	0.00E+00	1.19E-08	6.02E-09	9.47E-09	0.00E+00	1.55E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.42E-10	6.47E-10	0.00E+00	1.09E-09
4076	441354.4	3767831	5.40E-09	6.59E-09	0.00E+00	1.20E-08	6.09E-09	9.58E-09	0.00E+00	1.57E-08	1.02E-09	1.63E-09	0.00E+00	2.65E-09	4.47E-10	6.54E-10	0.00E+00	1.10E-09
4077	441305.7	3767832	5.74E-09	7.00E-09	0.00E+00	1.27E-08	6.47E-09	1.02E-08	0.00E+00	1.66E-08	1.09E-09	1.73E-09	0.00E+00	2.82E-09	4.75E-10	6.95E-10	0.00E+00	1.17E-09
4078	441296	3767832	5.81E-09	7.09E-09	0.00E+00	1.29E-08	6.55E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.81E-10	7.03E-10	0.00E+00	1.18E-09
4079	441286.2	3767832	5.89E-09	7.18E-09	0.00E+00	1.31E-08	6.63E-09	1.04E-08	0.00E+00	1.71E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.87E-10	7.12E-10	0.00E+00	1.20E-09
4080	441276.5	3767832	5.96E-09	7.26E-09	0.00E+00	1.32E-08	6.72E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.93E-09	4.93E-10	7.21E-10	0.00E+00	1.21E-09
4081	441266.8	3767832	6.03E-09	7.35E-09	0.00E+00	1.34E-08	6.79E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.82E-09	0.00E+00	2.96E-09	4.98E-10	7.29E-10	0.00E+00	1.23E-09
4082	441257	3767832	6.09E-09	7.42E-09	0.00E+00	1.35E-08	6.86E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.03E-10	7.37E-10	0.00E+00	1.24E-09
4083	441382.5	3767795	4.87E-09	5.94E-09	0.00E+00	1.08E-08	5.49E-09	8.63E-09	0.00E+00	1.41E-08	9.21E-10	1.47E-09	0.00E+00	2.39E-09	4.03E-10	5.90E-10	0.00E+00	9.93E-10
4084	441418.1	3767810	4.82E-09	5.88E-09	0.00E+00	1.07E-08	5.43E-09	8.54E-09	0.00E+00	1.40E-08	9.11E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.84E-10	0.00E+00	9.82E-10
4085	441427	3767813	4.81E-09	5.86E-09	0.00E+00	1.07E-08	5.42E-09	8.52E-09	0.00E+00	1.39E-08	9.09E-10	1.45E-09	0.00E+00	2.36E-09	3.98E-10	5.82E-10	0.00E+00	9.80E-10
4086	441435.9	3767817	4.79E-09	5.84E-09	0.00E+00	1.06E-08	5.40E-09	8.49E-09	0.00E+00	1.39E-08	9.06E-10	1.45E-09	0.00E+00	2.35E-09	3.96E-10	5.80E-10	0.00E+00	9.77E-10
4087	441444.8	3767821	4.78E-09	5.82E-09	0.00E+00	1.06E-08	5.39E-09	8.47E-09	0.00E+00	1.39E-08	9.03E-10	1.44E-09	0.00E+00	2.35E-09	3.95E-10	5.78E-10	0.00E+00	9.73E-10
4088	441453.7	3767825	4.76E-09	5.81E-09	0.00E+00	1.06E-08	5.37E-09	8.44E-09	0.00E+00	1.38E-08	9.01E-10	1.44E-09	0.00E+00	2.34E-09	3.94E-10	5.77E-10	0.00E+00	9.71E-10
4089	441462.6	3767828	4.75E-09	5.79E-09	0.00E+00	1.05E-08	5.36E-09	8.42E-09	0.00E+00	1.38E-08	8.99E-10	1.44E-09	0.00E+00	2.33E-09	3.93E-10	5.75E-10	0.00E+00	9.68E-10
4090	441996.6	3768124	3.53E-09	4.30E-09	0.00E+00	7.83E-09	3.98E-09	6.25E-09	0.00E+00	1.02E-08	6.67E-10	1.07E-09	0.00E+00	1.73E-09	2.92E-10	4.27E-10	0.00E+00	7.19E-10
4091	442000.1	3768133	3.55E-09	4.33E-09	0.00E+00	7.89E-09	4.01E-09	6.30E-09	0.00E+00	1.03E-08	6.72E-10	1.07E-09	0.00E+00	1.75E-09	2.94E-10	4.30E-10	0.00E+00	7.24E-10
4092	442003.7	3768142	3.58E-09	4.36E-09	0.00E+00	7.94E-09	4.04E-09	6.34E-09	0.00E+00	1.04E-08	6.77E-10	1.08E-09	0.00E+00	1.76E-09	2.96E-10	4.33E-10	0.00E+00	7.29E-10
4093	442007.3	3768151	3.61E-09	4.40E-09	0.00E+00	8.00E-09	4.07E-09	6.39E-09	0.00E+00	1.05E-08	6.82E-10	1.09E-09	0.00E+00	1.77E-09	2.98E-10	4.36E-10	0.00E+00	7.35E-10
4094	442010.9	3768160	3.63E-09	4.43E-09	0.00E+00	8.06E-09	4.09E-09	6.44E-09	0.00E+00	1.05E-08	6.87E-10	1.10E-09	0.00E+00	1.78E-09	3.00E-10	4.40E-10	0.00E+00	7.40E-10
4095	442014.5	3768169	3.66E-09	4.46E-09	0.00E+00	8.11E-09	4.12E-09	6.48E-09	0.00E+00	1.06E-08	6.91E-10	1.10E-09	0.00E+00	1.80E-09	3.02E-10	4.43E-10	0.00E+00	7.45E-10
4096	442018.1	3768178	3.68E-09	4.49E-09	0.00E+00	8.17E-09	4.15E-09	6.53E-09	0.00E+00	1.07E-08	6.96E-10	1.11E-09	0.00E+00	1.81E-09	3.04E-10	4.46E-10	0.00E+00	7.50E-10
4097	442021.7	3768187	3.71E-09	4.52E-09	0.00E+00	8.23E-09	4.18E-09	6.57E-09	0.00E+00	1.08E-08	7.01E-10	1.12E-09	0.00E+00	1.82E-09	3.07E-10	4.49E-10	0.00E+00	7.55E-10
4098	442025.2	3768196	3.74E-09	4.56E-09	0.00E+00	8.29E-09	4.21E-09	6.62E-09	0.00E+00	1.08E-08	7.06E-10	1.13E-09	0.00E+00	1.84E-09	3.09E-10	4.52E-10	0.00E+00	7.61E-10
4099	442028.8	3768205	3.77E-09	4.59E-09	0.00E+00	8.36E-09	4.25E-09	6.68E-09	0.00E+00	1.09E-08	7.12E-10	1.14E-09	0.00E+00	1.85E-09	3.12E-10	4.56E-10	0.00E+00	7.68E-10
4100	442032.4	3768214	3.81E-09	4.64E-09	0.00E+00	8.45E-09	4.29E-09	6.75E-09	0.00E+00	1.10E-08	7.20E-10	1.15E-09	0.00E+00	1.87E-09	3.15E-10	4.61E-10	0.00E+00	7.76E-10
4101	442036	3768223	3.85E-09	4.70E-09	0.00E+00	8.55E-09	4.34E-09	6.83E-09	0.00E+00	1.12E-08	7.28E-10	1.16E-09	0.00E+00	1.89E-09	3.19E-10	4.66E-10	0.00E+00	7.85E-10
4102	442039.6	3768232	3.90E-09	4.76E-09	0.00E+00	8.66E-09	4.40E-09	6.91E-09	0.00E+00	1.13E-08	7.38E-10	1.18E-09	0.00E+00	1.92E-09	3.23E-10	4.72E-10	0.00E+00	7.95E-10
4103	442043.2	3768241	3.96E-09	4.82E-09	0.00E+00	8.78E-09	4.46E-09	7.01E-09	0.00E+00	1.15E-08	7.48E-10	1.20E-09	0.00E+00	1.94E-09	3.27E-10	4.79E-10	0.00E+00	8.06E-10
4104	442046.8	3768249	4.02E-09	4.90E-09	0.00E+00	8.92E-09	4.53E-09	7.12E-09	0.00E+00	1.17E-08	7.60E-10	1.21E-09	0.00E+00	1.97E-09	3.32E-10	4.87E-10	0.00E+00	8.19E-10
4105	442050.3	3768258	4.09E-09	4.98E-09	0.00E+00	9.07E-09	4.61E-09	7.25E-09	0.00E+00	1.19E-08	7.73E-10	1.24E-09	0.00E+00	2.01E-09	3.38E-10	4.95E-10	0.00E+00	8.33E-10
4106	442053.9	3768267	4.16E-09	5.07E-09	0.00E+00	9.24E-09	4.69E-09	7.38E-09	0.00E+00	1.21E-08	7.87E-10	1.26E-09	0.00E+00	2.04E-09	3.44E-10	5.04E-10	0.00E+00	8.48E-10
4107	442057.5	3768276	4.24E-09	5.17E-09	0.00E+00	9.40E-09	4.78E-09	7.51E-09	0.00E+00	1.23E-08	8.01E-10	1.28E-09	0.00E+00	2.08E-09	3.50E-10	5.13E-10	0.00E+00	8.63E-10
4108	442061.1	3768285	4.32E-09	5.26E-09	0.00E+00	9.58E-09	4.86E-09	7.65E-09	0.00E+00	1.25E-08	8.16E-10	1.30E-09	0.00E+00	2.12E-09	3.57E-10	5.22E-10	0.00E+00	8.79E-10
4109	442064.7	3768294	4.39E-09	5.36E-09	0.00E+00	9.75E-09	4.95E-09	7.79E-09	0.00E+00	1.27E-08	8.31E-10	1.33E-09	0.00E+00	2.16E-09	3.63E-10	5.32E-10	0.00E+00	8.95E-10
4110	442068.3	3768303	4.48E-09	5.46E-09	0.00E+00	9.93E-09	5.05E-09	7.93E-09	0.00E+00	1.30E-08	8.46E-10	1.35E-09	0.00E+00	2.20E-09	3.70E-10	5.42E-10	0.00E+00	9.12E-10
4111	442071.8	3768312	4.56E-09	5.56E-09	0.00E+00	1.01E-08	5.14E-09	8.08E-09	0.00E+00	1.32E-08	8.62E-10	1.38E-09	0.00E+00	2.24E-09	3.77E-10	5.52E-10	0.00E+00	9.29E-10
4112	442075.4	3768321	4.65E-09	5.67E-09	0.00E+00	1.03E-08	5.24E-09	8.24E-09	0.00E+00	1.35E-08	8.79E-10	1.40E-09	0.00E+00	2.28E-09	3.84E-10	5.62E-10	0.00E+00	9.47E-10
4113	442079	3768330	4.74E-09	5.78E-09	0.00E+00	1.05E-08	5.34E-09	8.40E-09	0.00E+00	1.37E-08	8.96E-10	1.43E-09	0.00E+00	2.33E-09	3.92E-10	5.74E-10	0.00E+00	9.65E-10
4114	442082.6	3768339	4.82E-09	5.88E-09	0.00E+00	1.07E-08	5.44E-09	8.55E-09	0.00E+00	1.40E-08	9.12E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.84E-10	0.00E+00	9.83E-10
4115	442086.2	3768348	4.91E-09	5.99E-09	0.00E+00	1.09E-08	5.54E-09	8.71E-09	0.00E+00	1.42E-08	9.29E-10	1.48E-09	0.00E+00	2.41E-09	4.06E-10	5.95E-10	0.00E+00	1.00E-09
4116	442089.8	3768357	5.01E-09	6.11E-09	0.00E+00	1.11E-08	5.65E-09	8.88E-09	0.00E+00	1.45E-08	9.47E-10	1.51E-09	0.00E+00	2.46E-09	4.14E-10	6.07E-10	0.00E+00	1.02E-09
4117	442165	3768544	8.51E-09	1.04E-08	0.00E+00	1.89E-08	9.59E-09	1.51E-08	0.00E+00	2.47E-08	1.61E-09	2.57E-09	0.00E+00	4.18E-09	7.04E-10	1.03E-09	0.00E+00	1.73E-09
4118	442168.6	3768553	8.75E-09	1.07E-08	0.00E+00	1.94E-08	9.86E-09	1.55E-08	0.00E+00	2.54E-08	1.65E-09	2.64E-09	0.00E+00	4.30E-09	7.23E-10	1.06E-09	0.00E+00	1.78E-09
4119	441373.6	3767791	4.89E-09	5.96E-09	0.00E+00	1.08E-08	5.51E-09	8.66E-09	0.00E+00	1.42E-08	9.24E-10	1.48E-09	0.00E+00	2.40E-09	4.04E-10	5.92E-10	0.00E+00	9.96E-10
4120	441363.9	3767791	4.94E-09	6.03E-09	0.00E+00	1.10E-08	5.57E-09	8.76E-09	0.00E+00	1.43E-08	9.34E-10	1.49E-09	0.00E+00	2.43E-09	4.09E-10	5.98E-10	0.00E+00	1.01E-09
4121	441354.2	3767791	5.00E-09	6.10E-09	0.00E+00	1.11E-08	5.64E-09	8.87E-09	0.00E+00	1.45E-08	9.46E-10	1.51E-09	0.00E+00	2.46E-09	4.14E-10	6.05E-10	0.00E+00	1.02E-09
4122	441305.5	3767792	5.32E-09	6.49E-09	0.00E+00	1.18E-08	6.00E-09	9.43E-09	0.00E+00	1.54E-08	1.01E-09	1.61E-09	0.00E+00	2.61E-09	4.40E-10	6.44E-10	0.00E+00	1.08E-09
4123	441295.8	3767792	5.38E-09	6.56E-09	0.00E+00	1.19E-08	6.06E-09	9.53E-09	0.00E+00	1.56E-08	1.02E-09	1.62E-09	0.00E+00	2.64E-09	4.45E-10	6.51E-10	0.00E+00	1.10E-09
4124	441286.1	3767792	5.43E-09	6.62E-09	0.00E+00	1.20E-08	6.12E-09	9.62E-09	0.00E+00	1.57E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.49E-10	6.57E-10	0.00E+00	1.11E-09
4125	441276.3	3767792	5.47E-09	6.67E-09	0.00E+00	1.21E-08	6.17E-09	9.70E-09	0.00E+00	1.59E-08	1.03E-09	1.65E-09	0.00E+00	2.69E-09	4.53E-10	6.62E-10	0.00E+00	1.12E-09
4126	441266.6	3767792	5.53E-09	6.74E-09	0.00E+00	1.23E-08	6.23E-09	9.79E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.57E-10	6.69E-10	0.00E+00	1.13E-09
4127	441256.9	3767792	5.59E-09	6.81E-09	0.00E+00	1.24E-08	6.30E-09	9.91E-09	0.00E+00	1.62E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.62E-10	6.77E-10	0.00E+00	1.14E-09
4128	441382.4	3767755	4.53E-09	5.52E-09	0.00E+00	1.01E-08	5.11E-09	8.03E-09	0.00E+00	1.31E-08	8.57E-10	1.37E-09	0.00E+00	2.23E-09	3.75E-10	5.48E-10	0.00E+00	9.23E-10
4129	441418.1	3767770	4.47E-09	5.45E-09	0.00E+00	9.91E-09	5.04E-09	7.92E-09	0.00E+00	1.30E-08	8.45E-10	1.35E-09	0.00E+00	2.19E-09	3.69E-10	5.41E-10	0.00E+00	9.10E-10
4130	441427	3767774	4.46E-09	5.43E-09	0.00E+00	9.89E-09	5.02E-09	7.90E-09	0.00E+00	1.29E-08	8.43E-10	1.35E-09	0.00E+00	2.19E-09	3.69E-10	5.39E-10	0.00E+00	9.08E-10
4131	441435.9	3767777	4.45E-09	5.42E-09	0.00E+00	9.87E-09	5.01E-09	7.88E-09	0.00E+00	1.29E-08	8.41E-10	1.34E-09	0.00E+00	2.18E-09	3.68E-10	5.38E-10	0.00E+00	9.06E-10
4132	441444.8	3767781	4.44E-09	5.41E-09	0.00E+00	9.85E-09	5.00E-09	7.86E-09	0.00E+00	1.29E-08	8.39E-10	1.34E-09	0.00E+00	2.18E-09	3.67E-10	5.37E-10	0.00E+00	9.04E-10
4133	441453.8	3767785	4.43E-09	5.40E-09	0.00E+00	9.82E-09	4.99E-09	7.84E-09	0.00E+00	1.28E-08	8.37E-10	1.34E-09	0.00E+00	2.17E-09	3.66E-10	5.36E-10	0.00E+00	9.02E-10
4134	441462.7	3767788	4.42E-09	5.38E-09	0.00E+00	9.80E-09	4.98E-09	7.83E-09	0.00E+00	1.28E-08	8.35E-10	1.33E-09	0.00E+00	2.17E-09	3.65E-10	5.35E-10	0.00E+00	9.00E-10
4135	442000	3768034	3.06E-09	3.73E-09	0.00E+00	6.80E-09	3.45E-09	5.43E-09	0.00E+00	8.88E-09	5.79E-10	9.26E-10	0.00E+00	1.50E-09	2.53E-10	3.71E-10	0.00E+00	6.24E-10
4136	442003.6	3768043	3.09E-09	3.77E-09	0.00E+00	6.86E-09	3.49E-09	5.48E-09	0.00E+00	8.97E-09	5.85E-10	9.34E-10	0.00E+00	1.52E-09	2.56E-10	3.74E-10	0.00E+00	6.30E-10
4137	442007.1	3768052	3.12E-09	3.81E-09	0.00E+00	6.93E-09	3.52E-09	5.53E-09	0.00E+00	9.05E-09	5.90E-10	9.43E-10	0.00E+00	1.53E-09	2.58E-10	3.78E-10	0.00E+00	6.36E-10
4138	442010.7	3768061	3.15E-09	3.84E-09	0.00E+00	6.99E-09	3.55E-09	5.58E-09	0.00E+00	9.13E-09	5.95E-10	9.52E-10	0.00E+00	1.55E-09	2.60E-10	3.81E-10	0.00E+00	6.42E-10
4139	442014.3	3768070	3.18E-09	3.87E-09	0.00E+00	7.05E-09	3.58E-09	5.63E-09	0.00E+00	9.21E-09	6.01E-10	9.60E-10	0.00E+00	1.56E-09	2.63E-10	3.84E-10	0.00E+00	6.47E-10
4140	442017.9	3768079	3.20E-09	3.91E-09	0.00E+00	7.11E-09	3.61E-09	5.68E-09	0.00E+00	9.29E-09	6.06E-10	9.68E-10	0.00E+00	1.57E-09	2.65E-10	3.88E-10	0.00E+00	6.53E-10
4141	442028.7	3768105	3.27E-09	3.98E-09	0.00E+00	7.25E-09	3.68E-09	5.79E-09	0.00E+00	9.48E-09	6.18E-10	9.87E-10	0.00E+00	1.61E-09	2.70E-10	3.96E-10	0.00E+00	6.66E-10

4142	442032.3	3768114	3.29E-09	4.01E-09	0.00E+00	7.29E-09	3.70E-09	5.82E-09	0.00E+00	9.53E-09	6.21E-10	9.93E-10	0.00E+00	1.61E-09	2.72E-10	3.98E-10	0.00E+00	6.70E-10
4143	442035.9	3768123	3.31E-09	4.03E-09	0.00E+00	7.34E-09	3.73E-09	5.86E-09	0.00E+00	9.59E-09	6.25E-10	9.99E-10	0.00E+00	1.62E-09	2.73E-10	4.00E-10	0.00E+00	6.74E-10
4144	442039.5	3768132	3.33E-09	4.06E-09	0.00E+00	7.38E-09	3.75E-09	5.90E-09	0.00E+00	9.65E-09	6.29E-10	1.01E-09	0.00E+00	1.63E-09	2.75E-10	4.03E-10	0.00E+00	6.78E-10
4145	442043.1	3768141	3.35E-09	4.08E-09	0.00E+00	7.43E-09	3.77E-09	5.93E-09	0.00E+00	9.71E-09	6.33E-10	1.01E-09	0.00E+00	1.64E-09	2.77E-10	4.05E-10	0.00E+00	6.82E-10
4146	442046.7	3768150	3.37E-09	4.11E-09	0.00E+00	7.48E-09	3.80E-09	5.97E-09	0.00E+00	9.77E-09	6.37E-10	1.02E-09	0.00E+00	1.66E-09	2.79E-10	4.08E-10	0.00E+00	6.87E-10
4147	442050.3	3768159	3.40E-09	4.14E-09	0.00E+00	7.54E-09	3.83E-09	6.02E-09	0.00E+00	9.85E-09	6.42E-10	1.03E-09	0.00E+00	1.67E-09	2.81E-10	4.11E-10	0.00E+00	6.92E-10
4148	442053.9	3768168	3.43E-09	4.18E-09	0.00E+00	7.60E-09	3.86E-09	6.07E-09	0.00E+00	9.93E-09	6.48E-10	1.03E-09	0.00E+00	1.68E-09	2.83E-10	4.15E-10	0.00E+00	6.98E-10
4149	442057.5	3768177	3.46E-09	4.21E-09	0.00E+00	7.67E-09	3.90E-09	6.13E-09	0.00E+00	1.00E-08	6.54E-10	1.04E-09	0.00E+00	1.70E-09	2.86E-10	4.18E-10	0.00E+00	7.04E-10
4150	442061.1	3768186	3.49E-09	4.26E-09	0.00E+00	7.75E-09	3.94E-09	6.19E-09	0.00E+00	1.01E-08	6.60E-10	1.05E-09	0.00E+00	1.71E-09	2.89E-10	4.23E-10	0.00E+00	7.11E-10
4151	442064.7	3768195	3.53E-09	4.30E-09	0.00E+00	7.83E-09	3.98E-09	6.25E-09	0.00E+00	1.02E-08	6.67E-10	1.07E-09	0.00E+00	1.73E-09	2.92E-10	4.27E-10	0.00E+00	7.19E-10
4152	442068.3	3768204	3.57E-09	4.35E-09	0.00E+00	7.92E-09	4.03E-09	6.33E-09	0.00E+00	1.04E-08	6.75E-10	1.08E-09	0.00E+00	1.75E-09	2.95E-10	4.32E-10	0.00E+00	7.27E-10
4153	442071.9	3768213	3.62E-09	4.41E-09	0.00E+00	8.03E-09	4.08E-09	6.41E-09	0.00E+00	1.05E-08	6.84E-10	1.09E-09	0.00E+00	1.78E-09	2.99E-10	4.38E-10	0.00E+00	7.37E-10
4154	442075.5	3768222	3.67E-09	4.47E-09	0.00E+00	8.13E-09	4.13E-09	6.50E-09	0.00E+00	1.06E-08	6.93E-10	1.11E-09	0.00E+00	1.80E-09	3.03E-10	4.44E-10	0.00E+00	7.47E-10
4155	442079.1	3768231	3.72E-09	4.53E-09	0.00E+00	8.25E-09	4.19E-09	6.59E-09	0.00E+00	1.08E-08	7.03E-10	1.12E-09	0.00E+00	1.83E-09	3.07E-10	4.50E-10	0.00E+00	7.57E-10
4156	442082.7	3768240	3.77E-09	4.60E-09	0.00E+00	8.37E-09	4.25E-09	6.68E-09	0.00E+00	1.09E-08	7.13E-10	1.14E-09	0.00E+00	1.85E-09	3.12E-10	4.56E-10	0.00E+00	7.68E-10
4157	442086.3	3768249	3.84E-09	4.68E-09	0.00E+00	8.52E-09	4.33E-09	6.80E-09	0.00E+00	1.11E-08	7.26E-10	1.16E-09	0.00E+00	1.89E-09	3.17E-10	4.65E-10	0.00E+00	7.82E-10
4158	442089.9	3768258	3.91E-09	4.76E-09	0.00E+00	8.67E-09	4.40E-09	6.92E-09	0.00E+00	1.13E-08	7.38E-10	1.18E-09	0.00E+00	1.92E-09	3.23E-10	4.73E-10	0.00E+00	7.96E-10
4159	442093.5	3768267	3.97E-09	4.85E-09	0.00E+00	8.82E-09	4.48E-09	7.04E-09	0.00E+00	1.15E-08	7.51E-10	1.20E-09	0.00E+00	1.95E-09	3.29E-10	4.81E-10	0.00E+00	8.10E-10
4160	442097.1	3768276	4.04E-09	4.92E-09	0.00E+00	8.96E-09	4.55E-09	7.16E-09	0.00E+00	1.17E-08	7.64E-10	1.22E-09	0.00E+00	1.98E-09	3.34E-10	4.89E-10	0.00E+00	8.23E-10
4161	442100.7	3768285	4.10E-09	5.00E-09	0.00E+00	9.10E-09	4.62E-09	7.27E-09	0.00E+00	1.19E-08	7.76E-10	1.24E-09	0.00E+00	2.01E-09	3.39E-10	4.96E-10	0.00E+00	8.36E-10
4162	442104.2	3768294	4.17E-09	5.08E-09	0.00E+00	9.25E-09	4.70E-09	7.39E-09	0.00E+00	1.21E-08	7.88E-10	1.26E-09	0.00E+00	2.05E-09	3.45E-10	5.04E-10	0.00E+00	8.49E-10
4163	442107.8	3768303	4.24E-09	5.17E-09	0.00E+00	9.40E-09	4.78E-09	7.51E-09	0.00E+00	1.23E-08	8.01E-10	1.28E-09	0.00E+00	2.08E-09	3.50E-10	5.13E-10	0.00E+00	8.63E-10
4164	442111.4	3768312	4.32E-09	5.26E-09	0.00E+00	9.58E-09	4.87E-09	7.65E-09	0.00E+00	1.25E-08	8.16E-10	1.30E-09	0.00E+00	2.12E-09	3.57E-10	5.23E-10	0.00E+00	8.80E-10
4165	442115	3768321	4.40E-09	5.37E-09	0.00E+00	9.77E-09	4.96E-09	7.80E-09	0.00E+00	1.28E-08	8.32E-10	1.33E-09	0.00E+00	2.16E-09	3.64E-10	5.33E-10	0.00E+00	8.97E-10
4166	442118.6	3768330	4.49E-09	5.47E-09	0.00E+00	9.96E-09	5.06E-09	7.95E-09	0.00E+00	1.30E-08	8.48E-10	1.36E-09	0.00E+00	2.20E-09	3.71E-10	5.43E-10	0.00E+00	9.14E-10
4167	441373.4	3767751	4.55E-09	5.54E-09	0.00E+00	1.01E-08	5.12E-09	8.06E-09	0.00E+00	1.32E-08	8.60E-10	1.37E-09	0.00E+00	2.23E-09	3.76E-10	5.50E-10	0.00E+00	9.26E-10
4168	441363.7	3767751	4.60E-09	5.61E-09	0.00E+00	1.02E-08	5.18E-09	8.15E-09	0.00E+00	1.33E-08	8.69E-10	1.39E-09	0.00E+00	2.26E-09	3.80E-10	5.56E-10	0.00E+00	9.37E-10
4169	441354	3767751	4.65E-09	5.67E-09	0.00E+00	1.03E-08	5.24E-09	8.24E-09	0.00E+00	1.35E-08	8.79E-10	1.40E-09	0.00E+00	2.28E-09	3.84E-10	5.63E-10	0.00E+00	9.47E-10
4170	441305.3	3767752	4.90E-09	5.97E-09	0.00E+00	1.09E-08	5.52E-09	8.68E-09	0.00E+00	1.42E-08	9.25E-10	1.48E-09	0.00E+00	2.40E-09	4.05E-10	5.92E-10	0.00E+00	9.97E-10
4171	441295.6	3767752	4.94E-09	6.02E-09	0.00E+00	1.10E-08	5.57E-09	8.76E-09	0.00E+00	1.43E-08	9.34E-10	1.49E-09	0.00E+00	2.43E-09	4.09E-10	5.98E-10	0.00E+00	1.01E-09
4172	441285.9	3767752	4.98E-09	6.07E-09	0.00E+00	1.11E-08	5.62E-09	8.83E-09	0.00E+00	1.44E-08	9.42E-10	1.51E-09	0.00E+00	2.45E-09	4.12E-10	6.03E-10	0.00E+00	1.02E-09
4173	441276.1	3767752	5.02E-09	6.12E-09	0.00E+00	1.11E-08	5.66E-09	8.90E-09	0.00E+00	1.46E-08	9.50E-10	1.52E-09	0.00E+00	2.47E-09	4.15E-10	6.08E-10	0.00E+00	1.02E-09
4174	441266.4	3767752	5.07E-09	6.18E-09	0.00E+00	1.13E-08	5.72E-09	8.99E-09	0.00E+00	1.47E-08	9.59E-10	1.53E-09	0.00E+00	2.49E-09	4.19E-10	6.14E-10	0.00E+00	1.03E-09
4175	441256.7	3767752	5.12E-09	6.25E-09	0.00E+00	1.14E-08	5.78E-09	9.08E-09	0.00E+00	1.49E-08	9.69E-10	1.55E-09	0.00E+00	2.52E-09	4.24E-10	6.20E-10	0.00E+00	1.04E-09
4176	441382.2	3767715	4.21E-09	5.13E-09	0.00E+00	9.33E-09	4.74E-09	7.45E-09	0.00E+00	1.22E-08	7.95E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.09E-10	0.00E+00	8.57E-10
4177	441418	3767730	4.15E-09	5.06E-09	0.00E+00	9.20E-09	4.67E-09	7.35E-09	0.00E+00	1.20E-08	7.84E-10	1.25E-09	0.00E+00	2.04E-09	3.43E-10	5.02E-10	0.00E+00	8.45E-10
4178	441427	3767734	4.14E-09	5.05E-09	0.00E+00	9.18E-09	4.67E-09	7.33E-09	0.00E+00	1.20E-08	7.82E-10	1.25E-09	0.00E+00	2.03E-09	3.42E-10	5.01E-10	0.00E+00	8.43E-10
4179	441435.9	3767737	4.13E-09	5.04E-09	0.00E+00	9.17E-09	4.66E-09	7.32E-09	0.00E+00	1.20E-08	7.81E-10	1.25E-09	0.00E+00	2.03E-09	3.42E-10	5.00E-10	0.00E+00	8.42E-10
4180	441444.9	3767741	4.13E-09	5.03E-09	0.00E+00	9.16E-09	4.65E-09	7.31E-09	0.00E+00	1.20E-08	7.80E-10	1.25E-09	0.00E+00	2.03E-09	3.41E-10	4.99E-10	0.00E+00	8.41E-10
4181	441453.8	3767745	4.12E-09	5.02E-09	0.00E+00	9.14E-09	4.64E-09	7.30E-09	0.00E+00	1.19E-08	7.78E-10	1.24E-09	0.00E+00	2.02E-09	3.40E-10	4.98E-10	0.00E+00	8.39E-10
4182	441462.8	3767748	4.11E-09	5.00E-09	0.00E+00	9.11E-09	4.63E-09	7.27E-09	0.00E+00	1.19E-08	7.76E-10	1.24E-09	0.00E+00	2.02E-09	3.39E-10	4.97E-10	0.00E+00	8.36E-10
4183	442021.2	3767988	2.80E-09	3.41E-09	0.00E+00	6.21E-09	3.16E-09	4.96E-09	0.00E+00	8.12E-09	5.29E-10	8.46E-10	0.00E+00	1.38E-09	2.31E-10	3.39E-10	0.00E+00	5.70E-10
4184	442024.8	3767997	2.82E-09	3.44E-09	0.00E+00	6.26E-09	3.18E-09	5.00E-09	0.00E+00	8.18E-09	5.34E-10	8.53E-10	0.00E+00	1.39E-09	2.33E-10	3.42E-10	0.00E+00	5.75E-10
4185	442028.4	3768006	2.84E-09	3.47E-09	0.00E+00	6.31E-09	3.21E-09	5.04E-09	0.00E+00	8.25E-09	5.38E-10	8.59E-10	0.00E+00	1.40E-09	2.35E-10	3.44E-10	0.00E+00	5.79E-10
4186	442032	3768015	2.86E-09	3.49E-09	0.00E+00	6.35E-09	3.23E-09	5.07E-09	0.00E+00	8.30E-09	5.41E-10	8.65E-10	0.00E+00	1.41E-09	2.37E-10	3.47E-10	0.00E+00	5.83E-10
4187	442035.7	3768024	2.88E-09	3.52E-09	0.00E+00	6.40E-09	3.25E-09	5.11E-09	0.00E+00	8.36E-09	5.45E-10	8.71E-10	0.00E+00	1.42E-09	2.38E-10	3.49E-10	0.00E+00	5.87E-10
4188	442039.3	3768033	2.90E-09	3.54E-09	0.00E+00	6.45E-09	3.27E-09	5.15E-09	0.00E+00	8.42E-09	5.49E-10	8.77E-10	0.00E+00	1.43E-09	2.40E-10	3.52E-10	0.00E+00	5.92E-10
4189	442042.9	3768042	2.92E-09	3.56E-09	0.00E+00	6.49E-09	3.30E-09	5.18E-09	0.00E+00	8.48E-09	5.53E-10	8.83E-10	0.00E+00	1.44E-09	2.42E-10	3.54E-10	0.00E+00	5.95E-10
4190	442046.5	3768051	2.94E-09	3.58E-09	0.00E+00	6.53E-09	3.31E-09	5.21E-09	0.00E+00	8.53E-09	5.56E-10	8.88E-10	0.00E+00	1.44E-09	2.43E-10	3.56E-10	0.00E+00	5.99E-10
4191	442050.1	3768060	2.96E-09	3.60E-09	0.00E+00	6.56E-09	3.33E-09	5.24E-09	0.00E+00	8.57E-09	5.59E-10	8.93E-10	0.00E+00	1.45E-09	2.44E-10	3.58E-10	0.00E+00	6.02E-10
4192	442053.7	3768069	2.98E-09	3.63E-09	0.00E+00	6.60E-09	3.35E-09	5.27E-09	0.00E+00	8.63E-09	5.63E-10	8.99E-10	0.00E+00	1.46E-09	2.46E-10	3.60E-10	0.00E+00	6.06E-10
4193	442057.3	3768078	3.00E-09	3.65E-09	0.00E+00	6.65E-09	3.38E-09	5.31E-09	0.00E+00	8.69E-09	5.67E-10	9.05E-10	0.00E+00	1.47E-09	2.48E-10	3.63E-10	0.00E+00	6.11E-10
4194	442068.1	3768105	3.06E-09	3.73E-09	0.00E+00	6.79E-09	3.45E-09	5.43E-09	0.00E+00	8.88E-09	5.79E-10	9.25E-10	0.00E+00	1.50E-09	2.53E-10	3.71E-10	0.00E+00	6.24E-10
4195	442071.7	3768114	3.09E-09	3.76E-09	0.00E+00	6.85E-09	3.48E-09	5.47E-09	0.00E+00	8.95E-09	5.83E-10	9.32E-10	0.00E+00	1.52E-09	2.55E-10	3.73E-10	0.00E+00	6.29E-10
4196	442075.3	3768123	3.11E-09	3.79E-09	0.00E+00	6.90E-09	3.51E-09	5.51E-09	0.00E+00	9.02E-09	5.88E-10	9.40E-10	0.00E+00	1.53E-09	2.57E-10	3.76E-10	0.00E+00	6.34E-10
4197	442078.9	3768132	3.14E-09	3.82E-09	0.00E+00	6.96E-09	3.53E-09	5.56E-09	0.00E+00	9.09E-09	5.93E-10	9.47E-10	0.00E+00	1.54E-09	2.59E-10	3.79E-10	0.00E+00	6.39E-10
4198	442082.5	3768141	3.16E-09	3.85E-09	0.00E+00	7.02E-09	3.56E-09	5.60E-09	0.00E+00	9.17E-09	5.98E-10	9.55E-10	0.00E+00	1.55E-09	2.61E-10	3.83E-10	0.00E+00	6.44E-10
4199	442086.1	3768150	3.19E-09	3.89E-09	0.00E+00	7.08E-09	3.60E-09	5.65E-09	0.00E+00	9.25E-09	6.03E-10	9.64E-10	0.00E+00	1.57E-09	2.64E-10	3.86E-10	0.00E+00	6.50E-10
4200	442089.8	3768159	3.22E-09	3.93E-09	0.00E+00	7.15E-09	3.63E-09	5.71E-09	0.00E+00	9.34E-09	6.09E-10	9.73E-10	0.00E+00	1.58E-09	2.66E-10	3.90E-10	0.00E+00	6.56E-10
4201	442093.4	3768168	3.26E-09	3.97E-09	0.00E+00	7.23E-09	3.67E-09	5.77E-09	0.00E+00	9.44E-09	6.16E-10	9.84E-10	0.00E+00	1.60E-09	2.69E-10	3.94E-10	0.00E+00	6.63E-10
4202	442097	3768177	3.29E-09	4.01E-09	0.00E+00	7.31E-09	3.71E-09	5.84E-09	0.00E+00	9.55E-09	6.23E-10	9.95E-10	0.00E+00	1.62E-09	2.72E-10	3.99E-10	0.00E+00	6.71E-10
4203	442100.6	3768186	3.33E-09	4.06E-09	0.00E+00	7.39E-09	3.76E-09	5.90E-09	0.00E+00	9.66E-09	6.30E-10	1.01E-09	0.00E+00	1.64E-09	2.76E-10	4.03E-10	0.00E+00	6.79E-10
4204	442104.2	3768195	3.37E-09	4.11E-09	0.00E+00	7.48E-09	3.80E-09	5.97E-09	0.00E+00	9.78E-09	6.37E-10	1.02E-09	0.00E+00	1.66E-09	2.79E-10	4.08E-10	0.00E+00	6.87E-10
4205	442107.8	3768204	3.41E-09	4.16E-09	0.00E+00	7.57E-09	3.85E-09	6.05E-09	0.00E+00	9.89E-09	6.45E-10	1.03E-09	0.00E+00	1.68E-09	2.82E-10	4.13E-10	0.00E+00	6.95E-10
4206	442111.4	3768213	3.45E-09	4.21E-09	0.00E+00	7.67E-09	3.89E-09	6.12E-09	0.00E+00	1.00E-08	6.53E-10	1.04E-09	0.00E+00	1.70E-09	2.86E-10	4.18E-10	0.00E+00	7.04E-10
4207	442115	3768222	3.50E-09	4.27E-09	0.00E+00	7.77E-09	3.95E-09	6.20E-09	0.00E+00	1.02E-08	6.62E-10	1.06E-09	0.00E+00	1.72E-09	2.89E-10	4.24E-10	0.00E+00	7.13E-10
4208	442118.6	3768231	3.55E-09	4.33E-09	0.00E+00	7.88E-09	4.00E-09	6.29E-09	0.00E+00	1.03E-08	6.71E-10	1.07E-09	0.00E+00	1.74E-09	2.93E-10	4.30E-10	0.00E+00	7.23E-10
4209	442122.2	3768240	3.60E-09	4.39E-09	0.00E+00	7.99E-09	4.06E-09	6.38E-09	0.00E+00	1.04E-08	6.80E-10	1.09E-09	0.00E+00	1.77E-09	2.98E-10	4.36E-10	0.00E+00	7.33E-10
4210	442125.8	3768249	3.66E-09	4.46E-09	0.00E+00	8.11E-09	4.12E-09	6.48E-09	0.00E+00	1.06E-08	6.91E-10	1.10E-09	0.00E+00	1.80E-09	3.02E-10	4.42E-10	0.00E+00	7.45E-10
4211	442129.4	3768258	3.72E-09	4.53E-09	0.00E+00	8.25E-09	4.19E-09	6.59E-09	0.00E+00	1.08E-08	7.03E-10	1.12E-09	0.00E+00	1.83E-09	3.07E-10	4.50E-10	0.00E+00	7.57E-10
4212	442133	3768266	3.78E-09	4.61E-09	0.00E+00	8.39E-09	4.26E-09	6.70E-09	0.00E+00	1.10E-08	7.14E-10	1.14E-09	0.00E+00	1.86E-09	3.12E-10	4.57E-10	0.00E+00	7.70E-10
4213	442136.6	3768275	3.84E-09	4.68E-09	0.00E+00	8.51E-09	4.32E-09	6.80E-09	0.00E+00	1.11E-08	7.25E-10	1.16E-09	0.00E+00	1.88E-09	3.17E-10	4.64E-10	0.00E+00	7.82E-10
4214	442140.2	3768284	3.89E-09	4.74E-09	0.00E+00	8.64E-09	4.39E-09	6.90E-09	0.00E+00	1.13E-08	7.36E-10	1.18E-09	0.00E+00	1.91E-09	3.22E-10	4.71E-10	0.00E+00	7.93E-10
4215	442143.9	3768293	3.95E-09	4.81E-09	0.00E+00	8.76E-09	4.45E-09	6.99E-09	0.00E+00	1.14E-08	7.46E-10	1.19E-09	0.00E+00	1.94E-09	3.26E-10	4.78E-10	0.00E+00	8.04E-10
4216	442147.5	3768302	4.01E-09	4.89E-09	0.00E+00	8.89E-09	4.52E-09	7.10E-09	0.00E+00	1.16E-08	7.58E-10	1.21E-09	0.00E+00	1.97E-09	3.31E-10	4.85E-10	0.00E+00	8.17E-10
4217	442151.1	3768311	4.08E-09	4.97E-09	0.00E+00	9.05E-09	4.60E-09	7.23E-09	0.00E+00	1.18E-08	7.71E-10	1.23E-09	0.00E+00	2.00E-09	3.37E-10	4.94E-10	0.00E+00	8.31E-10
4218	441373.3	3767711	4.21E-09	5.13E-09	0.00E+00	9.34E-09	4.74E-09	7.46E-09	0.00E+00	1.22E-08	7.96E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.09E-10	0.00E+00	8.57E-10
4219	441363.5	3767711	4.25E-09	5.18E-09	0.00E+00	9.42E-09	4.79E-09	7.52E-09	0.00E+00	1.23E-08	8.03E-10	1.28E-09	0.00E+00	2.09E-09	3.51E-10	5.14E-10	0.00E+00	8.65E-10
4220	441353.8	3767711	4.29E-09	5.23E-09	0.00E+00	9.51E-09	4.83E-09	7.60E-09	0.00E+00	1.24E-08	8.10E-10	1.30E-09	0.00E+00	2.11E-09	3.54E-10	5.19E-10	0.00E+00	8.73E-10
4221	441305.1	3767712	4.49E-09	5.48E-09	0.00E+00	9.97E-09	5.07E-09	7.96E-09	0.00E+00	1.30E-08	8.50E-10	1.36E-09	0.00E+00	2.21E-09	3.72E-10	5.44E-10	0.00E+00	9.15E-10
4222	441295.4	3767712	4.54E-09	5.53E-09	0.00E+00	1.01E-08	5.11E-09	8.04E-09	0.00E+00	1.32E-08	8.58E-10	1.37E-09	0.00E+00	2.23E-09	3.75E-10	5.49E-10	0.00E+00	9.24E-10
4223	441285.7	3767712	4.58E-09	5.59E-09	0.00E+00	1.02E-08	5.16E-09	8.12E-09	0.00E+00	1.33E-08	8.66E-10	1.38E-09	0.00E+00	2.25E-09	3.79E-10	5.54E-10	0.00E+00	9.33E-10
4224	441276	3767712	4.63E-09	5.64E-09	0.00E+00	1.03E-08	5.22E-09	8.20E-09	0.00E+00	1.34E-08	8.75E-10	1.40E-09	0.00E+00	2.27E-09	3.83E-10	5.60E-10	0.00E+00	9.42E-10
4225	441266.2	3767712	4.67E-09	5.69E-09	0.00E+00	1.04E-08	5.27E-09	8.28E-09	0.00E+00	1.35E-08	8.83E-10	1.41E-09	0.00E+00	2.29E-09	3.86E-10	5.65E-10	0.00E+00	9.52E-10
4226	441256.5	3767712	4.71E-09	5.75E-09	0.00E+00	1.05E-08	5.31E-09	8.35E-09	0.00E+00	1.37E-08	8.91E-10	1.42E-09	0.00E+00	2.32E-09	3.90E-10	5.71E-10	0.00E+00	9.60E-10
4227	441232.4	3768642	2.12E-07	2.59E-07	0.00E+00	4.71E-07	2.39E-07	3.76E-07	0.00E+00	6.15E-07	4.01E-08	6.41E-08	0.00E+00	1.04E-07	1.75E-08	2.57E-08	0.00E+00	4.32E-08
4228	441232.4	3768652	2.13E-07	2.59E-07	0.00E+00	4.72E-07	2.40E-07	3.77E-07	0.00E+00	6.16E-07	4.02E-08	6.42E-08	0.00E+00	1.04E-07	1.76E-08	2.57E-08	0.00E+00	4.33E-08
4229	441232.4	3768662	2.11E-07	2.58E-07	0.00E+00	4.69E-07	2.38E-07	3.75E-07	0.00E+00	6.13E-07	4.00E-08	6.39E-08	0.00E+00	1.04E-07	1.75E-08	2.56E-08	0.00E+00	4.31E-08
4230	441232.4	3768672	2.09E-07	2.55E-07	0.00E+00	4.65E-07	2.36E-07	3.71E-07	0.00E+00	6.07E-07	3.96E-08	6.32E-08	0.00E+00	1.03E-07	1.73E-08	2.53E-08	0.00E+00	4.26E-08
4231	441232.5	3768682	2.06E-07	2.51E-07	0.00E+00	4.57E-07	2.32E-07	3.65E-07	0.00E+00	5.97E-07	3.89E-08	6.22E-08	0.00E+00	1.01E-07	1.70E-08	2.49E-08	0.00E+00	4.20E-08
4232	441232.5	3768692	2.01E-07	2.45E-07	0.00E+00	4.46E-07	2.27E-07	3.56E-07	0.00E+00	5.83E-07	3.80E-08	6.08E-08	0.00E+00	9.88E-08	1.66E-08	2.43E-08	0.00E+00	4.10E-08
4233	441232.5	3768702	1.94E-07	2.36E-07	0.00E+00	4.30E-07	2.18E-07	3.43E-07	0.00E+00	5.62E-07	3.66E-08	5.85E-08	0.00E+00	9.52E-08	1.60E-08	2.34E-08	0.00E+00	3.95E-08
4234	441232.6	3768712	1.85E-07	2.26E-07	0.00E+00	4.11E-07	2.09E-07	3.28E-07	0.00E+00	5.37E-07	3.50E-08	5.60E-08	0.00E+00	9.10E-08	1.53E-08	2.24E-08	0.00E+00	3.77E-08
4235	441232.8	3768782	1.03E-07	1.25E-07	0.00E+00	2.28E-07	1.16E-07	1.82E-07	0.00E+00	2.98E-07	1.94E-08	3.10E-08	0.00E+00	5.04E-08	8.49E-09	1.24E-08	0.00E+00	2.09E-08
4236	441232.8	3768792	8.72E-08	1.06E-07	0.00E+00	1.94E-07	9.83E-08	1.55E-07	0.00E+00	2.53E-07	1.65E-08	2.63E-08	0.00E+00	4.28E-08	7.21E-09	1.06E-08	0.00E+00	1.78E-08
4237	441218.1	3768598	1.46E-07	1.77E-07	0.00E+00	3.23E-07	1.64E-07	2.58E-07	0.00E+00	4.22E-07	2.75E-08	4.40E-08	0.00E+00	7.15E-08	1.20E-08	1.76E-08	0.00E+00	2.96E-08
4238	441212.4	3768642	1.52E-07	1.86E-07	0.00E+00	3.38E-07	1.72E-07	2.70E-07	0.00E+00	4.42E-07	2.88E-08	4.61E-08	0.00E+00	7.49E-08	1.26E-08	1.85E-08	0.00E+00	3.11E-08
4239	441212.4	3768652	1.53E-07	1.86E-07	0.00E+00	3.39E-07	1.72E-07	2.71E-07	0.00E+00	4.43E-07	2.89E-08	4.62E-08	0.00E+00	7.50E-08	1.26E-08	1.85E-08	0.00E+00	3.11E-08
4240	441212.4	3768662	1.52E-07	1.85E-07	0.00E+00	3.37E-07	1.71E-07	2.69E-07	0.00E+00	4.40E-07	2.87E-08	4.58E-08	0.00E+00	7.45E-08	1.25E-08	1.84E-08	0.00E+00	3.09E-08
4241	441212.4	3768672	1.49E-07	1.82E-07	0.00E+00	3.30E-07	1.68E-07	2.64E-07	0.00E+00	4.32E-07	2.82E-08	4.50E-08	0.00E+00	7.31E-08	1.23E-08	1.80E-08	0.00E+00	3.03E-08
4242	441212.5	3768682	1.45E-07	1.77E-07	0.00E+00	3.22E-07	1.64E-07	2.57E-07	0.00E+00	4.21E-07	2.74E-08	4.38E-08	0.00E+00	7.13E-08	1.20E-08	1.76E-08	0.00E+00	2.96E-08
4243	441212.5	3768692	1.40E-07	1.71E-07	0.00E+00	3.11E-07	1.58E-07	2.49E-07	0.00E+00	4.07E-07	2.65E-08	4.24E-08	0.00E+00	6.89E-08	1.16E-08	1.70E-08	0.00E+00	2.86E-08
4244	441212.5	3768702	1.35E-07	1.64E-07	0.00E+00	2.99E-07	1.52E-07	2.39E-07	0.00E+00	3.91E-07	2.55E-08	4.07E-08	0.00E+00	6.62E-08	1.11E-08	1.63E-08	0.00E+00	2.74E-08
4245	441212.6	3768712	1.28E-07	1.56E-07	0.00E+00	2.85E-07	1.45E-07	2.27E-07	0.00E+00	3.72E-07	2.43E-08	3.88E-08	0.00E+00	6.30E-08	1.06E-08	1.55E-08	0.00E+00	2.61E-08
4246	441212.6	3768722	1.21E-07	1.48E-07	0.00E+00	2.69E-07	1.37E-07	2.15E-07	0.00E+00	3.52E-07	2.29E-08	3.67E-08	0.00E+00	5.96E-08	1.00E-08	1.47E-08	0.00E+00	2.47E-08
4247	441212.6	3768732	1.14E-07	1.40E-07	0.00E+00	2.54E-07	1.29E-07	2.03E-07	0.00E+00	3.32E-07	2.16E-08	3.46E-08	0.00E+00	5.62E-08	9.46E-09	1.39E-08	0.00E+00	2.33E-08
4248	441212.7	3768742	1.07E-07	1.30E-07	0.00E+00	2.37E-07	1.20E-07	1.89E-07	0.00E+00	3.10E-07	2.02E-08	3.23E-08	0.00E+00	5.25E-08	8.83E-09	1.29E-08	0.00E+00	2.18E-08
4249	441212.7	3768752	9.86E-08	1.20E-07	0.00E+00	2.19E-07	1.11E-07	1.75E-07	0.00E+00	2.86E-07	1.86E-08	2.98E-08	0.00E+00	4.84E-08	8.15E-09	1.19E-08	0.00E+00	2.01E-08
4250	441212.8	3768782	7.32E-08	8.92E-08	0.00E+00	1.62E-07	8.25E-08	1.30E-07	0.00E+00	2.12E-07	1.38E-08	2.21E-08	0.00E+00	3.59E-08	6.05E-09	8.86E-09	0.00E+00	1.49E-08
4251	441212.8	3768792	6.47E-08	7.89E-08	0.00E+00	1.44E-07	7.29E-08	1.15E-07	0.00E+00	1.88E-07	1.22E-08	1.95E-08	0.00E+00	3.18E-08	5.35E-09	7.83E-09	0.00E+00	1.32E-08
4252	441199.3	3768595	1.17E-07	1.42E-07	0.00E+00	2.59E-07	1.32E-07	2.07E-07	0.00E+00	3.39E-07	2.21E-08	3.53E-08	0.00E+00	5.74E-08	9.66E-09	1.41E-08	0.00E+00	2.38E-08
4253	441218.4	3768566	1.16E-07	1.42E-07	0.00E+00	2.58E-07	1.31E-07	2.06E-07	0.00E+00	3.38E-07	2.20E-08	3.52E-08	0.00E+00	5.72E-08	9.63E-09	1.41E-08	0.00E+00	2.37E-08

4254	441192.4	3768642	1.17E-07	1.43E-07	0.00E+00	2.60E-07	1.32E-07	2.07E-07	0.00E+00	3.39E-07	2.21E-08	3.53E-08	0.00E+00	5.75E-08	9.68E-09	1.42E-08	0.00E+00	2.38E-08
4255	441192.4	3768652	1.17E-07	1.42E-07	0.00E+00	2.59E-07	1.31E-07	2.07E-07	0.00E+00	3.38E-07	2.20E-08	3.52E-08	0.00E+00	5.72E-08	9.64E-09	1.41E-08	0.00E+00	2.37E-08
4256	441192.4	3768662	1.15E-07	1.40E-07	0.00E+00	2.56E-07	1.30E-07	2.04E-07	0.00E+00	3.34E-07	2.18E-08	3.48E-08	0.00E+00	5.66E-08	9.53E-09	1.39E-08	0.00E+00	2.35E-08
4257	441192.4	3768672	1.13E-07	1.38E-07	0.00E+00	2.51E-07	1.27E-07	2.00E-07	0.00E+00	3.28E-07	2.14E-08	3.42E-08	0.00E+00	5.55E-08	9.35E-09	1.37E-08	0.00E+00	2.30E-08
4258	441192.5	3768682	1.10E-07	1.34E-07	0.00E+00	2.44E-07	1.24E-07	1.95E-07	0.00E+00	3.19E-07	2.08E-08	3.33E-08	0.00E+00	5.41E-08	9.11E-09	1.33E-08	0.00E+00	2.24E-08
4259	441192.5	3768692	1.07E-07	1.30E-07	0.00E+00	2.37E-07	1.20E-07	1.89E-07	0.00E+00	3.09E-07	2.01E-08	3.22E-08	0.00E+00	5.23E-08	8.81E-09	1.29E-08	0.00E+00	2.17E-08
4260	441192.5	3768702	1.02E-07	1.25E-07	0.00E+00	2.27E-07	1.15E-07	1.81E-07	0.00E+00	2.96E-07	1.93E-08	3.09E-08	0.00E+00	5.02E-08	8.45E-09	1.24E-08	0.00E+00	2.08E-08
4261	441192.6	3768712	9.72E-08	1.18E-07	0.00E+00	2.16E-07	1.10E-07	1.72E-07	0.00E+00	2.82E-07	1.84E-08	2.94E-08	0.00E+00	4.77E-08	8.04E-09	1.18E-08	0.00E+00	1.98E-08
4262	441192.6	3768722	9.19E-08	1.12E-07	0.00E+00	2.04E-07	1.04E-07	1.63E-07	0.00E+00	2.66E-07	1.74E-08	2.78E-08	0.00E+00	4.51E-08	7.60E-09	1.11E-08	0.00E+00	1.87E-08
4263	441192.6	3768732	8.69E-08	1.06E-07	0.00E+00	1.93E-07	9.79E-08	1.54E-07	0.00E+00	2.52E-07	1.64E-08	2.63E-08	0.00E+00	4.27E-08	7.18E-09	1.05E-08	0.00E+00	1.77E-08
4264	441192.7	3768742	8.15E-08	9.93E-08	0.00E+00	1.81E-07	9.18E-08	1.44E-07	0.00E+00	2.36E-07	1.54E-08	2.46E-08	0.00E+00	4.00E-08	6.73E-09	9.86E-09	0.00E+00	1.66E-08
4265	441192.7	3768752	7.57E-08	9.23E-08	0.00E+00	1.68E-07	8.53E-08	1.34E-07	0.00E+00	2.19E-07	1.43E-08	2.29E-08	0.00E+00	3.72E-08	6.26E-09	9.16E-09	0.00E+00	1.54E-08
4266	441192.8	3768782	5.79E-08	7.06E-08	0.00E+00	1.29E-07	6.53E-08	1.03E-07	0.00E+00	1.68E-07	1.10E-08	1.75E-08	0.00E+00	2.84E-08	4.79E-09	7.01E-09	0.00E+00	1.18E-08
4267	441192.8	3768792	5.24E-08	6.39E-08	0.00E+00	1.16E-07	5.90E-08	9.28E-08	0.00E+00	1.52E-07	9.90E-09	1.58E-08	0.00E+00	2.57E-08	4.33E-09	6.34E-09	0.00E+00	1.07E-08
4268	441179	3768596	9.57E-08	1.17E-07	0.00E+00	2.12E-07	1.08E-07	1.70E-07	0.00E+00	2.77E-07	1.81E-08	2.89E-08	0.00E+00	4.70E-08	7.91E-09	1.16E-08	0.00E+00	1.95E-08
4269	441220.2	3768545	1.00E-07	1.22E-07	0.00E+00	2.23E-07	1.13E-07	1.78E-07	0.00E+00	2.91E-07	1.90E-08	3.03E-08	0.00E+00	4.93E-08	8.30E-09	1.22E-08	0.00E+00	2.05E-08
4270	441172.4	3768642	9.31E-08	1.14E-07	0.00E+00	2.07E-07	1.05E-07	1.65E-07	0.00E+00	2.70E-07	1.76E-08	2.81E-08	0.00E+00	4.58E-08	7.70E-09	1.13E-08	0.00E+00	1.90E-08
4271	441172.4	3768652	9.24E-08	1.13E-07	0.00E+00	2.05E-07	1.04E-07	1.64E-07	0.00E+00	2.68E-07	1.75E-08	2.79E-08	0.00E+00	4.54E-08	7.64E-09	1.12E-08	0.00E+00	1.88E-08
4272	441172.4	3768662	9.10E-08	1.11E-07	0.00E+00	2.02E-07	1.03E-07	1.61E-07	0.00E+00	2.64E-07	1.72E-08	2.75E-08	0.00E+00	4.47E-08	7.53E-09	1.10E-08	0.00E+00	1.85E-08
4273	441172.4	3768672	8.91E-08	1.09E-07	0.00E+00	1.98E-07	1.00E-07	1.58E-07	0.00E+00	2.58E-07	1.68E-08	2.69E-08	0.00E+00	4.37E-08	7.36E-09	1.08E-08	0.00E+00	1.81E-08
4274	441172.5	3768682	8.66E-08	1.06E-07	0.00E+00	1.92E-07	9.77E-08	1.54E-07	0.00E+00	2.51E-07	1.64E-08	2.62E-08	0.00E+00	4.26E-08	7.16E-09	1.05E-08	0.00E+00	1.76E-08
4275	441172.5	3768692	8.37E-08	1.02E-07	0.00E+00	1.86E-07	9.44E-08	1.48E-07	0.00E+00	2.43E-07	1.58E-08	2.53E-08	0.00E+00	4.11E-08	6.92E-09	1.01E-08	0.00E+00	1.71E-08
4276	441172.5	3768702	8.03E-08	9.79E-08	0.00E+00	1.78E-07	9.06E-08	1.42E-07	0.00E+00	2.33E-07	1.52E-08	2.43E-08	0.00E+00	3.95E-08	6.64E-09	9.72E-09	0.00E+00	1.64E-08
4277	441172.6	3768712	7.66E-08	9.34E-08	0.00E+00	1.70E-07	8.63E-08	1.36E-07	0.00E+00	2.22E-07	1.45E-08	2.31E-08	0.00E+00	3.76E-08	6.33E-09	9.27E-09	0.00E+00	1.56E-08
4278	441172.6	3768722	7.26E-08	8.85E-08	0.00E+00	1.61E-07	8.19E-08	1.29E-07	0.00E+00	2.11E-07	1.37E-08	2.19E-08	0.00E+00	3.57E-08	6.01E-09	8.79E-09	0.00E+00	1.48E-08
4279	441172.6	3768732	6.88E-08	8.39E-08	0.00E+00	1.53E-07	7.75E-08	1.22E-07	0.00E+00	1.99E-07	1.30E-08	2.08E-08	0.00E+00	3.38E-08	5.69E-09	8.33E-09	0.00E+00	1.40E-08
4280	441172.7	3768742	6.47E-08	7.89E-08	0.00E+00	1.44E-07	7.30E-08	1.15E-07	0.00E+00	1.88E-07	1.22E-08	1.96E-08	0.00E+00	3.18E-08	5.35E-09	7.83E-09	0.00E+00	1.32E-08
4281	441172.7	3768752	6.05E-08	7.38E-08	0.00E+00	1.34E-07	6.82E-08	1.07E-07	0.00E+00	1.75E-07	1.14E-08	1.83E-08	0.00E+00	2.97E-08	5.00E-09	7.32E-09	0.00E+00	1.23E-08
4282	441159.6	3768594	8.02E-08	9.77E-08	0.00E+00	1.78E-07	9.04E-08	1.42E-07	0.00E+00	2.32E-07	1.52E-08	2.42E-08	0.00E+00	3.94E-08	6.63E-09	9.70E-09	0.00E+00	1.63E-08
4283	441178	3768550	8.03E-08	9.79E-08	0.00E+00	1.78E-07	9.06E-08	1.42E-07	0.00E+00	2.33E-07	1.52E-08	2.43E-08	0.00E+00	3.95E-08	6.64E-09	9.72E-09	0.00E+00	1.64E-08
4284	441152.4	3768642	7.61E-08	9.28E-08	0.00E+00	1.69E-07	8.58E-08	1.35E-07	0.00E+00	2.21E-07	1.44E-08	2.30E-08	0.00E+00	3.74E-08	6.29E-09	9.21E-09	0.00E+00	1.55E-08
4285	441152.4	3768652	7.53E-08	9.18E-08	0.00E+00	1.67E-07	8.48E-08	1.33E-07	0.00E+00	2.18E-07	1.42E-08	2.27E-08	0.00E+00	3.70E-08	6.22E-09	9.11E-09	0.00E+00	1.53E-08
4286	441152.4	3768662	7.40E-08	9.02E-08	0.00E+00	1.64E-07	8.34E-08	1.31E-07	0.00E+00	2.15E-07	1.40E-08	2.24E-08	0.00E+00	3.63E-08	6.12E-09	8.95E-09	0.00E+00	1.51E-08
4287	441152.4	3768672	7.21E-08	8.79E-08	0.00E+00	1.60E-07	8.13E-08	1.28E-07	0.00E+00	2.09E-07	1.36E-08	2.18E-08	0.00E+00	3.54E-08	5.96E-09	8.73E-09	0.00E+00	1.47E-08
4288	441152.5	3768682	7.00E-08	8.53E-08	0.00E+00	1.55E-07	7.89E-08	1.24E-07	0.00E+00	2.03E-07	1.32E-08	2.11E-08	0.00E+00	3.44E-08	5.78E-09	8.47E-09	0.00E+00	1.43E-08
4289	441152.5	3768692	6.75E-08	8.23E-08	0.00E+00	1.50E-07	7.61E-08	1.20E-07	0.00E+00	1.96E-07	1.28E-08	2.04E-08	0.00E+00	3.32E-08	5.58E-09	8.17E-09	0.00E+00	1.38E-08
4290	441152.5	3768702	6.49E-08	7.91E-08	0.00E+00	1.44E-07	7.32E-08	1.15E-07	0.00E+00	1.88E-07	1.23E-08	1.96E-08	0.00E+00	3.19E-08	5.37E-09	7.86E-09	0.00E+00	1.32E-08
4291	441152.6	3768712	6.21E-08	7.57E-08	0.00E+00	1.38E-07	7.00E-08	1.10E-07	0.00E+00	1.80E-07	1.17E-08	1.88E-08	0.00E+00	3.05E-08	5.14E-09	7.52E-09	0.00E+00	1.27E-08
4292	441152.6	3768722	5.91E-08	7.21E-08	0.00E+00	1.31E-07	6.67E-08	1.05E-07	0.00E+00	1.71E-07	1.12E-08	1.79E-08	0.00E+00	2.90E-08	4.89E-09	7.16E-09	0.00E+00	1.20E-08
4293	441152.6	3768732	5.61E-08	6.83E-08	0.00E+00	1.24E-07	6.32E-08	9.93E-08	0.00E+00	1.63E-07	1.06E-08	1.69E-08	0.00E+00	2.75E-08	4.63E-09	6.78E-09	0.00E+00	1.14E-08
4294	441152.7	3768742	5.29E-08	6.45E-08	0.00E+00	1.17E-07	5.96E-08	9.37E-08	0.00E+00	1.53E-07	1.00E-08	1.60E-08	0.00E+00	2.60E-08	4.37E-09	6.40E-09	0.00E+00	1.08E-08
4295	441152.7	3768752	4.97E-08	6.06E-08	0.00E+00	1.10E-07	5.60E-08	8.80E-08	0.00E+00	1.44E-07	9.39E-09	1.50E-08	0.00E+00	2.44E-08	4.11E-09	6.01E-09	0.00E+00	1.01E-08
4296	441139.3	3768595	6.74E-08	8.22E-08	0.00E+00	1.50E-07	7.60E-08	1.20E-07	0.00E+00	1.96E-07	1.28E-08	2.04E-08	0.00E+00	3.31E-08	5.58E-09	8.16E-09	0.00E+00	1.37E-08
4297	441160.5	3768544	7.02E-08	8.56E-08	0.00E+00	1.56E-07	7.91E-08	1.24E-07	0.00E+00	2.04E-07	1.33E-08	2.12E-08	0.00E+00	3.45E-08	5.81E-09	8.50E-09	0.00E+00	1.43E-08
4298	441210.3	3768509	7.51E-08	9.16E-08	0.00E+00	1.67E-07	8.47E-08	1.33E-07	0.00E+00	2.18E-07	1.42E-08	2.27E-08	0.00E+00	3.69E-08	6.21E-09	9.09E-09	0.00E+00	1.53E-08
4299	441132.4	3768642	6.32E-08	7.70E-08	0.00E+00	1.40E-07	7.12E-08	1.12E-07	0.00E+00	1.83E-07	1.19E-08	1.91E-08	0.00E+00	3.10E-08	5.22E-09	7.65E-09	0.00E+00	1.29E-08
4300	441132.4	3768652	6.22E-08	7.59E-08	0.00E+00	1.38E-07	7.02E-08	1.10E-07	0.00E+00	1.80E-07	1.18E-08	1.88E-08	0.00E+00	3.06E-08	5.15E-09	7.53E-09	0.00E+00	1.27E-08
4301	441132.4	3768662	6.10E-08	7.44E-08	0.00E+00	1.35E-07	6.88E-08	1.08E-07	0.00E+00	1.77E-07	1.15E-08	1.84E-08	0.00E+00	3.00E-08	5.05E-09	7.39E-09	0.00E+00	1.24E-08
4302	441132.4	3768672	5.96E-08	7.26E-08	0.00E+00	1.32E-07	6.71E-08	1.06E-07	0.00E+00	1.73E-07	1.13E-08	1.80E-08	0.00E+00	2.93E-08	4.92E-09	7.21E-09	0.00E+00	1.21E-08
4303	441132.5	3768682	5.79E-08	7.05E-08	0.00E+00	1.28E-07	6.52E-08	1.03E-07	0.00E+00	1.68E-07	1.09E-08	1.75E-08	0.00E+00	2.84E-08	4.78E-09	7.00E-09	0.00E+00	1.18E-08
4304	441132.5	3768692	5.60E-08	6.82E-08	0.00E+00	1.24E-07	6.31E-08	9.92E-08	0.00E+00	1.62E-07	1.06E-08	1.69E-08	0.00E+00	2.75E-08	4.63E-09	6.77E-09	0.00E+00	1.14E-08
4305	441132.5	3768702	5.39E-08	6.57E-08	0.00E+00	1.20E-07	6.07E-08	9.55E-08	0.00E+00	1.56E-07	1.02E-08	1.63E-08	0.00E+00	2.65E-08	4.46E-09	6.52E-09	0.00E+00	1.10E-08
4306	441132.6	3768712	5.17E-08	6.30E-08	0.00E+00	1.15E-07	5.82E-08	9.16E-08	0.00E+00	1.50E-07	9.77E-09	1.56E-08	0.00E+00	2.54E-08	4.27E-09	6.25E-09	0.00E+00	1.05E-08
4307	441132.6	3768722	4.93E-08	6.01E-08	0.00E+00	1.09E-07	5.56E-08	8.74E-08	0.00E+00	1.43E-07	9.33E-09	1.49E-08	0.00E+00	2.42E-08	4.08E-09	5.97E-09	0.00E+00	1.00E-08
4308	441132.6	3768732	4.69E-08	5.71E-08	0.00E+00	1.04E-07	5.28E-08	8.31E-08	0.00E+00	1.36E-07	8.86E-09	1.42E-08	0.00E+00	2.30E-08	3.88E-09	5.67E-09	0.00E+00	9.55E-09
4309	441132.7	3768742	4.44E-08	5.41E-08	0.00E+00	9.85E-08	5.00E-08	7.86E-08	0.00E+00	1.29E-07	8.39E-09	1.34E-08	0.00E+00	2.18E-08	3.67E-09	5.37E-09	0.00E+00	9.04E-09
4310	441132.7	3768752	4.19E-08	5.10E-08	0.00E+00	9.29E-08	4.72E-08	7.42E-08	0.00E+00	1.21E-07	7.91E-09	1.26E-08	0.00E+00	2.06E-08	3.46E-09	5.07E-09	0.00E+00	8.53E-09
4311	441119.7	3768594	5.74E-08	6.99E-08	0.00E+00	1.27E-07	6.47E-08	1.02E-07	0.00E+00	1.66E-07	1.08E-08	1.73E-08	0.00E+00	2.82E-08	4.74E-09	6.94E-09	0.00E+00	1.17E-08
4312	441138.5	3768549	6.18E-08	7.54E-08	0.00E+00	1.37E-07	6.97E-08	1.10E-07	0.00E+00	1.79E-07	1.17E-08	1.87E-08	0.00E+00	3.04E-08	5.11E-09	7.48E-09	0.00E+00	1.26E-08
4313	441112.4	3768642	5.33E-08	6.50E-08	0.00E+00	1.18E-07	6.01E-08	9.44E-08	0.00E+00	1.55E-07	1.01E-08	1.61E-08	0.00E+00	2.62E-08	4.41E-09	6.45E-09	0.00E+00	1.09E-08
4314	441112.4	3768652	5.24E-08	6.39E-08	0.00E+00	1.16E-07	5.91E-08	9.28E-08	0.00E+00	1.52E-07	9.90E-09	1.58E-08	0.00E+00	2.57E-08	4.33E-09	6.34E-09	0.00E+00	1.07E-08
4315	441112.4	3768662	5.13E-08	6.26E-08	0.00E+00	1.14E-07	5.78E-08	9.09E-08	0.00E+00	1.49E-07	9.70E-09	1.55E-08	0.00E+00	2.52E-08	4.24E-09	6.21E-09	0.00E+00	1.05E-08
4316	441112.4	3768672	5.01E-08	6.11E-08	0.00E+00	1.11E-07	5.65E-08	8.88E-08	0.00E+00	1.45E-07	9.47E-09	1.51E-08	0.00E+00	2.46E-08	4.14E-09	6.06E-09	0.00E+00	1.02E-08
4317	441112.5	3768682	4.87E-08	5.94E-08	0.00E+00	1.08E-07	5.49E-08	8.64E-08	0.00E+00	1.41E-07	9.21E-09	1.47E-08	0.00E+00	2.39E-08	4.03E-09	5.90E-09	0.00E+00	9.93E-09
4318	441112.5	3768692	4.72E-08	5.75E-08	0.00E+00	1.05E-07	5.32E-08	8.36E-08	0.00E+00	1.37E-07	8.92E-09	1.43E-08	0.00E+00	2.32E-08	3.90E-09	5.71E-09	0.00E+00	9.62E-09
4319	441112.5	3768702	4.55E-08	5.55E-08	0.00E+00	1.01E-07	5.13E-08	8.07E-08	0.00E+00	1.32E-07	8.60E-09	1.38E-08	0.00E+00	2.24E-08	3.76E-09	5.51E-09	0.00E+00	9.27E-09
4320	441112.6	3768712	4.37E-08	5.33E-08	0.00E+00	9.70E-08	4.93E-08	7.75E-08	0.00E+00	1.27E-07	8.27E-09	1.32E-08	0.00E+00	2.15E-08	3.62E-09	5.29E-09	0.00E+00	8.91E-09
4321	441112.6	3768722	4.19E-08	5.10E-08	0.00E+00	9.29E-08	4.72E-08	7.42E-08	0.00E+00	1.21E-07	7.91E-09	1.26E-08	0.00E+00	2.06E-08	3.46E-09	5.07E-09	0.00E+00	8.53E-09
4322	441112.6	3768732	3.99E-08	4.87E-08	0.00E+00	8.86E-08	4.50E-08	7.07E-08	0.00E+00	1.16E-07	7.55E-09	1.21E-08	0.00E+00	1.96E-08	3.30E-09	4.83E-09	0.00E+00	8.13E-09
4323	441112.7	3768742	3.80E-08	4.63E-08	0.00E+00	8.42E-08	4.28E-08	6.73E-08	0.00E+00	1.10E-07	7.17E-09	1.15E-08	0.00E+00	1.86E-08	3.14E-09	4.59E-09	0.00E+00	7.73E-09
4324	441112.7	3768752	3.60E-08	4.39E-08	0.00E+00	7.99E-08	4.06E-08	6.38E-08	0.00E+00	1.04E-07	6.80E-09	1.09E-08	0.00E+00	1.77E-08	2.98E-09	4.36E-09	0.00E+00	7.33E-09
4325	441095.9	3768604	4.84E-08	5.90E-08	0.00E+00	1.07E-07	5.45E-08	8.57E-08	0.00E+00	1.40E-07	9.14E-09	1.46E-08	0.00E+00	2.38E-08	4.00E-09	5.85E-09	0.00E+00	9.85E-09
4326	441099.5	3768595	4.96E-08	6.05E-08	0.00E+00	1.10E-07	5.59E-08	8.79E-08	0.00E+00	1.44E-07	9.38E-09	1.50E-08	0.00E+00	2.44E-08	4.10E-09	6.00E-09	0.00E+00	1.01E-08
4327	441117.6	3768551	5.43E-08	6.61E-08	0.00E+00	1.20E-07	6.12E-08	9.61E-08	0.00E+00	1.57E-07	1.03E-08	1.64E-08	0.00E+00	2.66E-08	4.49E-09	6.57E-09	0.00E+00	1.11E-08
4328	441183.1	3768481	6.03E-08	7.35E-08	0.00E+00	1.34E-07	6.80E-08	1.07E-07	0.00E+00	1.75E-07	1.14E-08	1.82E-08	0.00E+00	2.96E-08	4.99E-09	7.30E-09	0.00E+00	1.23E-08
4329	441092.3	3768612	4.70E-08	5.73E-08	0.00E+00	1.04E-07	5.30E-08	8.33E-08	0.00E+00	1.36E-07	8.88E-09	1.42E-08	0.00E+00	2.31E-08	3.89E-09	5.69E-09	0.00E+00	9.57E-09
4330	441092.3	3768622	4.67E-08	5.69E-08	0.00E+00	1.04E-07	5.26E-08	8.27E-08	0.00E+00	1.35E-07	8.83E-09	1.41E-08	0.00E+00	2.29E-08	3.86E-09	5.65E-09	0.00E+00	9.51E-09
4331	441092.3	3768632	4.62E-08	5.63E-08	0.00E+00	1.03E-07	5.21E-08	8.19E-08	0.00E+00	1.34E-07	8.74E-09	1.40E-08	0.00E+00	2.27E-08	3.82E-09	5.59E-09	0.00E+00	9.42E-09
4332	441092.4	3768642	4.56E-08	5.56E-08	0.00E+00	1.01E-07	5.14E-08	8.08E-08	0.00E+00	1.32E-07	8.62E-09	1.38E-08	0.00E+00	2.24E-08	3.77E-09	5.52E-09	0.00E+00	9.29E-09
4333	441092.4	3768652	4.48E-08	5.46E-08	0.00E+00	9.95E-08	5.05E-08	7.94E-08	0.00E+00	1.30E-07	8.47E-09	1.35E-08	0.00E+00	2.20E-08	3.71E-09	5.42E-09	0.00E+00	9.13E-09
4334	441092.4	3768662	4.39E-08	5.35E-08	0.00E+00	9.74E-08	4.95E-08	7.78E-08	0.00E+00	1.27E-07	8.30E-09	1.33E-08	0.00E+00	2.16E-08	3.63E-09	5.31E-09	0.00E+00	8.94E-09
4335	441092.4	3768672	4.28E-08	5.22E-08	0.00E+00	9.50E-08	4.83E-08	7.59E-08	0.00E+00	1.24E-07	8.09E-09	1.29E-08	0.00E+00	2.10E-08	3.54E-09	5.18E-09	0.00E+00	8.72E-09
4336	441092.5	3768682	4.16E-08	5.07E-08	0.00E+00	9.24E-08	4.69E-08	7.37E-08	0.00E+00	1.21E-07	7.87E-09	1.26E-08	0.00E+00	2.04E-08	3.44E-09	5.04E-09	0.00E+00	8.48E-09
4337	441092.5	3768692	4.03E-08	4.92E-08	0.00E+00	8.95E-08	4.55E-08	7.15E-08	0.00E+00	1.17E-07	7.62E-09	1.22E-08	0.00E+00	1.98E-08	3.33E-09	4.88E-09	0.00E+00	8.21E-09
4338	441092.5	3768702	3.89E-08	4.75E-08	0.00E+00	8.64E-08	4.39E-08	6.90E-08	0.00E+00	1.13E-07	7.36E-09	1.18E-08	0.00E+00	1.91E-08	3.22E-09	4.71E-09	0.00E+00	7.93E-09
4339	441092.6	3768712	3.75E-08	4.57E-08	0.00E+00	8.32E-08	4.23E-08	6.65E-08	0.00E+00	1.09E-07	7.09E-09	1.13E-08	0.00E+00	1.84E-08	3.10E-09	4.54E-09	0.00E+00	7.64E-09
4340	441092.6	3768722	3.60E-08	4.39E-08	0.00E+00	7.99E-08	4.06E-08	6.38E-08	0.00E+00	1.04E-07	6.81E-09	1.09E-08	0.00E+00	1.77E-08	2.98E-09	4.36E-09	0.00E+00	7.34E-09
4341	441092.6	3768732	3.45E-08	4.21E-08	0.00E+00	7.65E-08	3.89E-08	6.11E-08	0.00E+00	1.00E-07	6.52E-09	1.04E-08	0.00E+00	1.69E-08	2.85E-09	4.17E-09	0.00E+00	7.03E-09
4342	441092.7	3768742	3.30E-08	4.02E-08	0.00E+00	7.31E-08	3.71E-08	5.84E-08	0.00E+00	9.55E-08	6.23E-09	9.96E-09	0.00E+00	1.62E-08	2.72E-09	3.99E-09	0.00E+00	6.71E-09
4343	441092.7	3768752	3.14E-08	3.83E-08	0.00E+00	6.97E-08	3.54E-08	5.57E-08	0.00E+00	9.11E-08	5.94E-09	9.49E-09	0.00E+00	1.54E-08	2.60E-09	3.80E-09	0.00E+00	6.40E-09
4344	441079.8	3768594	4.34E-08	5.29E-08	0.00E+00	9.64E-08	4.89E-08	7.69E-08	0.00E+00	1.26E-07	8.21E-09	1.31E-08	0.00E+00	2.13E-08	3.59E-09	5.25E-09	0.00E+00	8.85E-09
4345	441083.6	3768585	4.45E-08	5.42E-08	0.00E+00	9.87E-08	5.02E-08	7.88E-08	0.00E+00	1.29E-07	8.41E-09	1.34E-08	0.00E+00	2.19E-08	3.68E-09	5.38E-09	0.00E+00	9.06E-09
4346	441087.4	3768576	4.55E-08	5.54E-08	0.00E+00	1.01E-07	5.13E-08	8.06E-08	0.00E+00	1.32E-07	8.60E-09	1.37E-08	0.00E+00	2.23E-08	3.76E-09	5.50E-09	0.00E+00	9.26E-09
4347	441091.2	3768567	4.64E-08	5.66E-08	0.00E+00	1.03E-07	5.23E-08	8.22E-08	0.00E+00	1.35E-07	8.77E-09	1.40E-08	0.00E+00	2.28E-08	3.84E-09	5.62E-09	0.00E+00	9.45E-09
4348	441094.9	3768557	4.73E-08	5.76E-08	0.00E+00	1.05E-07	5.33E-08	8.37E-08	0.00E+00	1.37E-07	8.93E-09	1.43E-08	0.00E+00	2.32E-08	3.91E-09	5.72E-09	0.00E+00	9.63E-09
4349	441098.7	3768548	4.80E-08	5.85E-08	0.00E+00	1.07E-07	5.41E-08	8.51E-08	0.00E+00	1.39E-07	9.07E-09	1.45E-08	0.00E+00	2.36E-08	3.97E-09	5.81E-09	0.00E+00	9.78E-09
4350	441072.4	3768642	3.96E-08	4.82E-08	0.00E+00	8.78E-08	4.46E-08	7.01E-08	0.00E+00	1.15E-07	7.48E-09	1.20E-08	0.00E+00	1.94E-08	3.27E-09	4.79E-09	0.00E+00	8.06E-09
4351	441072.4	3768652	3.89E-08	4.74E-08	0.00E+00	8.63E-08	4.38E-08	6.89E-08	0.00E+00	1.13E-07	7.35E-09	1.17E-08	0.00E+00	1.91E-08	3.21E-09	4.70E-09	0.00E+00	7.92E-09
4352	441072.4	3768662	3.81E-08	4.64E-08	0.00E+00	8.45E-08	4.29E-08	6.75E-08	0.00E+00	1.10E-07	7.20E-09	1.15E-08	0.00E+00	1.87E-08	3.15E-09	4.61E-09	0.00E+00	7.75E-09
4353	441072.4	3768672	3.71E-08	4.53E-08	0.00E+00	8.24E-08	4.19E-08	6.58E-08	0.00E+00	1.08E-07	7.02E-09	1.12E-08	0.00E+00	1.82E-08	3.07E-09	4.49E-09	0.00E+00	7.56E-09
4354	441072.5	3768682	3.61E-08	4.40E-08	0.00E+00	8.01E-08	4.07E-08	6.40E-08	0.00E+00	1.05E-07	6.83E-09	1.09E-08	0.00E+00	1.77E-08	2.99E-09	4.37E-09	0.00E+00	7.36E-09
4355	441072.5	3768692	3.50E-08	4.27E-08	0.00E+00	7.77E-08	3.95E-08	6.21E-08	0.00E+00	1.02E-07	6.62E-09	1.06E-08	0.00E+00	1.72E-08	2.90E-09	4.24E-09	0.00E+00	7.14E-09
4356	441072.5	3768702	3.39E-08	4.13E-08	0.00E+00	7.52E-08	3.82E-08	6.01E-08	0.00E+00	9.83E-08	6.41E-09	1.02E-08	0.00E+00	1.66E-08	2.80E-09	4.10E-09	0.00E+00	6.91E-09
4357	441072.6	3768712	3.27E-08	3.99E-08	0.00E+00	7.26E-08	3.69E-08	5.80E-08	0.00E+00	9.48E-08	6.18E-09	9.88E-09	0.00E+00	1.61E-08	2.70E-09	3.96E-09	0.00E+00	6.66E-09
4358	441072.6	3768722	3.15E-08	3.84E-08	0.00E+00	6.99E-08	3.55E-08	5.58E-08	0.00E+00	9.13E-08	5.95E-09	9.52E-09	0.00E+00	1.55E-08	2.60E-09	3.81E-09	0.00E+00	6.42E-09
4359	441072.6	3768732	3.03E-08	3.69E-08	0.00E+00	6.71E-08	3.41E-08	5.36E-08	0.00E+00	8.77E-08	5.72E-09	9.14E-09	0.00E+00	1.49E-08	2.50E-09	3.66E-09	0.00E+00	6.16E-09
4360	441072.7	3768742	2.90E-08	3.54E-08	0.00E+00	6.44E-08	3.27E-08	5.14E-08	0.00E+00	8.41E-08	5.48E-09	8.76E-09	0.00E+00	1.42E-08	2.40E-09	3.51E-09	0.00E+00	5.91E-09
4361	441072.7	3768752	2.77E-08	3.38E-08	0.00E+00	6.16E-08	3.13E-08	4.92E-08	0.00E+00	8.04E-08	5.25E-09	8.38E-09	0.00E+00	1.36E-08	2.29E-09	3.36E-09	0.00E+00	5.65E-09
4362	441072.8	3768782	2.41E-08	2.93E-08	0.00E+00	5.34E-08	2.71E-08	4.27E-08	0.00E+00	6.98E-08	4.55E-09	7.27E-09	0.00E+00	1.18E-08	1.99E-09	2.91E-09	0.00E+00	4.90E-09
4363	441072.8	3768792	2.29E-08	2.80E-08	0.00E+00	5.09E-08	2.58E-08	4.06E-08	0.00E+00	6.65E-08	4.34E-09	6.93E-09	0.00E+00	1.13E-08	1.90E-09	2.78E-09	0.00E+00	4.67E-09
4364	441055.9	3768603	3.71E-08	4.53E-08	0.00E+00	8.24E-08	4.18E-08	6.58E-08	0.00E+00	1.08E-07	7.02E-09	1.12E-08	0.00E+00	1.82E-08	3.07E-09	4.49E-09	0.00E+00	7.56E-09
4365	441059.6	3768595	3.81E-08	4.65E-08	0.00E+00	8.47E-08	4.30E-08	6.76E-08	0.00E+00	1.11E-07	7.21E-09	1.15E-08	0.00E+00	1.87E-08	3.15E-09	4.62E-09	0.00E+00	7.77E-09

4366	441078	3768550	4.23E-08	5.16E-08	0.00E+00	9.39E-08	4.77E-08	7.50E-08	0.00E+00	1.23E-07	8.00E-09	1.28E-08	0.00E+00	2.08E-08	3.50E-09	5.12E-09	0.00E+00	8.62E-09
4367	441081.7	3768541	4.30E-08	5.24E-08	0.00E+00	9.54E-08	4.84E-08	7.62E-08	0.00E+00	1.25E-07	8.12E-09	1.30E-08	0.00E+00	2.11E-08	3.55E-09	5.20E-09	0.00E+00	8.75E-09
4368	441092.7	3768515	4.43E-08	5.40E-08	0.00E+00	9.82E-08	4.99E-08	7.84E-08	0.00E+00	1.28E-07	8.37E-09	1.34E-08	0.00E+00	2.17E-08	3.66E-09	5.36E-09	0.00E+00	9.02E-09
4369	441096.4	3768506	4.44E-08	5.42E-08	0.00E+00	9.86E-08	5.01E-08	7.88E-08	0.00E+00	1.29E-07	8.40E-09	1.34E-08	0.00E+00	2.18E-08	3.68E-09	5.38E-09	0.00E+00	9.05E-09
4370	441100	3768497	4.45E-08	5.43E-08	0.00E+00	9.88E-08	5.02E-08	7.89E-08	0.00E+00	1.29E-07	8.41E-09	1.34E-08	0.00E+00	2.19E-08	3.68E-09	5.39E-09	0.00E+00	9.07E-09
4371	441103.7	3768488	4.44E-08	5.42E-08	0.00E+00	9.86E-08	5.01E-08	7.88E-08	0.00E+00	1.29E-07	8.40E-09	1.34E-08	0.00E+00	2.18E-08	3.67E-09	5.38E-09	0.00E+00	9.05E-09
4372	441107.4	3768479	4.43E-08	5.39E-08	0.00E+00	9.82E-08	4.99E-08	7.84E-08	0.00E+00	1.28E-07	8.37E-09	1.34E-08	0.00E+00	2.17E-08	3.66E-09	5.36E-09	0.00E+00	9.01E-09
4373	441052.3	3768612	3.60E-08	4.39E-08	0.00E+00	7.99E-08	4.06E-08	6.38E-08	0.00E+00	1.04E-07	6.81E-09	1.09E-08	0.00E+00	1.77E-08	2.98E-09	4.36E-09	0.00E+00	7.34E-09
4374	441052.3	3768622	3.56E-08	4.35E-08	0.00E+00	7.91E-08	4.02E-08	6.32E-08	0.00E+00	1.03E-07	6.74E-09	1.08E-08	0.00E+00	1.75E-08	2.95E-09	4.31E-09	0.00E+00	7.26E-09
4375	441052.3	3768632	3.52E-08	4.29E-08	0.00E+00	7.81E-08	3.97E-08	6.24E-08	0.00E+00	1.02E-07	6.65E-09	1.06E-08	0.00E+00	1.73E-08	2.91E-09	4.26E-09	0.00E+00	7.17E-09
4376	441052.4	3768642	3.47E-08	4.23E-08	0.00E+00	7.70E-08	3.91E-08	6.15E-08	0.00E+00	1.01E-07	6.56E-09	1.05E-08	0.00E+00	1.70E-08	2.87E-09	4.20E-09	0.00E+00	7.06E-09
4377	441052.4	3768652	3.41E-08	4.15E-08	0.00E+00	7.56E-08	3.84E-08	6.04E-08	0.00E+00	9.88E-08	6.44E-09	1.03E-08	0.00E+00	1.67E-08	2.82E-09	4.12E-09	0.00E+00	6.94E-09
4378	441052.4	3768662	3.34E-08	4.07E-08	0.00E+00	7.41E-08	3.76E-08	5.91E-08	0.00E+00	9.68E-08	6.31E-09	1.01E-08	0.00E+00	1.64E-08	2.76E-09	4.04E-09	0.00E+00	6.80E-09
4379	441052.4	3768672	3.26E-08	3.97E-08	0.00E+00	7.23E-08	3.67E-08	5.77E-08	0.00E+00	9.44E-08	6.16E-09	9.84E-09	0.00E+00	1.60E-08	2.69E-09	3.94E-09	0.00E+00	6.63E-09
4380	441052.5	3768682	3.17E-08	3.86E-08	0.00E+00	7.03E-08	3.57E-08	5.62E-08	0.00E+00	9.19E-08	5.99E-09	9.57E-09	0.00E+00	1.56E-08	2.62E-09	3.84E-09	0.00E+00	6.46E-09
4381	441052.5	3768692	3.08E-08	3.75E-08	0.00E+00	6.83E-08	3.47E-08	5.45E-08	0.00E+00	8.92E-08	5.82E-09	9.30E-09	0.00E+00	1.51E-08	2.54E-09	3.72E-09	0.00E+00	6.27E-09
4382	441052.5	3768702	2.98E-08	3.64E-08	0.00E+00	6.62E-08	3.36E-08	5.29E-08	0.00E+00	8.65E-08	5.64E-09	9.01E-09	0.00E+00	1.46E-08	2.47E-09	3.61E-09	0.00E+00	6.08E-09
4383	441052.6	3768712	2.88E-08	3.52E-08	0.00E+00	6.40E-08	3.25E-08	5.11E-08	0.00E+00	8.36E-08	5.45E-09	8.71E-09	0.00E+00	1.42E-08	2.38E-09	3.49E-09	0.00E+00	5.87E-09
4384	441052.6	3768722	2.78E-08	3.39E-08	0.00E+00	6.18E-08	3.14E-08	4.93E-08	0.00E+00	8.07E-08	5.26E-09	8.41E-09	0.00E+00	1.37E-08	2.30E-09	3.37E-09	0.00E+00	5.67E-09
4385	441052.6	3768732	2.68E-08	3.27E-08	0.00E+00	5.95E-08	3.02E-08	4.75E-08	0.00E+00	7.77E-08	5.07E-09	8.10E-09	0.00E+00	1.32E-08	2.22E-09	3.24E-09	0.00E+00	5.46E-09
4386	441052.7	3768742	2.58E-08	3.14E-08	0.00E+00	5.72E-08	2.90E-08	4.57E-08	0.00E+00	7.47E-08	4.87E-09	7.78E-09	0.00E+00	1.27E-08	2.13E-09	3.12E-09	0.00E+00	5.25E-09
4387	441052.7	3768752	2.47E-08	3.02E-08	0.00E+00	5.49E-08	2.79E-08	4.38E-08	0.00E+00	7.17E-08	4.68E-09	7.47E-09	0.00E+00	1.21E-08	2.04E-09	2.99E-09	0.00E+00	5.04E-09
4388	441052.8	3768782	2.17E-08	2.65E-08	0.00E+00	4.82E-08	2.45E-08	3.85E-08	0.00E+00	6.29E-08	4.10E-09	6.56E-09	0.00E+00	1.07E-08	1.79E-09	2.63E-09	0.00E+00	4.42E-09
4389	441052.8	3768792	2.07E-08	2.53E-08	0.00E+00	4.60E-08	2.34E-08	3.68E-08	0.00E+00	6.02E-08	3.92E-09	6.27E-09	0.00E+00	1.02E-08	1.72E-09	2.51E-09	0.00E+00	4.23E-09
4390	441039.9	3768594	3.38E-08	4.12E-08	0.00E+00	7.50E-08	3.81E-08	5.99E-08	0.00E+00	9.79E-08	6.39E-09	1.02E-08	0.00E+00	1.66E-08	2.79E-09	4.09E-09	0.00E+00	6.88E-09
4391	441043.7	3768585	3.47E-08	4.23E-08	0.00E+00	7.69E-08	3.91E-08	6.14E-08	0.00E+00	1.01E-07	6.55E-09	1.05E-08	0.00E+00	1.70E-08	2.87E-09	4.20E-09	0.00E+00	7.06E-09
4392	441047.5	3768576	3.55E-08	4.32E-08	0.00E+00	7.87E-08	4.00E-08	6.29E-08	0.00E+00	1.03E-07	6.71E-09	1.07E-08	0.00E+00	1.74E-08	2.93E-09	4.29E-09	0.00E+00	7.23E-09
4393	441051.3	3768566	3.62E-08	4.42E-08	0.00E+00	8.04E-08	4.09E-08	6.42E-08	0.00E+00	1.05E-07	6.85E-09	1.10E-08	0.00E+00	1.78E-08	3.00E-09	4.39E-09	0.00E+00	7.38E-09
4394	441055.1	3768557	3.70E-08	4.51E-08	0.00E+00	8.22E-08	4.17E-08	6.56E-08	0.00E+00	1.07E-07	7.00E-09	1.12E-08	0.00E+00	1.82E-08	3.06E-09	4.48E-09	0.00E+00	7.54E-09
4395	441058.9	3768548	3.77E-08	4.60E-08	0.00E+00	8.38E-08	4.25E-08	6.69E-08	0.00E+00	1.09E-07	7.14E-09	1.14E-08	0.00E+00	1.85E-08	3.12E-09	4.57E-09	0.00E+00	7.69E-09
4396	441016	3768604	2.93E-08	3.57E-08	0.00E+00	6.50E-08	3.30E-08	5.19E-08	0.00E+00	8.49E-08	5.54E-09	8.85E-09	0.00E+00	1.44E-08	2.42E-09	3.54E-09	0.00E+00	5.96E-09
4397	441019.7	3768595	3.01E-08	3.67E-08	0.00E+00	6.68E-08	3.39E-08	5.34E-08	0.00E+00	8.73E-08	5.69E-09	9.10E-09	0.00E+00	1.48E-08	2.49E-09	3.64E-09	0.00E+00	6.13E-09
4398	441038.3	3768550	3.37E-08	4.11E-08	0.00E+00	7.49E-08	3.80E-08	5.98E-08	0.00E+00	9.78E-08	6.38E-09	1.02E-08	0.00E+00	1.66E-08	2.79E-09	4.08E-09	0.00E+00	6.87E-09
4399	441042	3768541	3.44E-08	4.19E-08	0.00E+00	7.63E-08	3.87E-08	6.09E-08	0.00E+00	9.96E-08	6.50E-09	1.04E-08	0.00E+00	1.69E-08	2.84E-09	4.16E-09	0.00E+00	7.00E-09
4400	441053.1	3768514	3.58E-08	4.37E-08	0.00E+00	7.95E-08	4.04E-08	6.35E-08	0.00E+00	1.04E-07	6.77E-09	1.08E-08	0.00E+00	1.76E-08	2.96E-09	4.34E-09	0.00E+00	7.30E-09
4401	441056.8	3768505	3.62E-08	4.41E-08	0.00E+00	8.02E-08	4.08E-08	6.41E-08	0.00E+00	1.05E-07	6.84E-09	1.09E-08	0.00E+00	1.78E-08	2.99E-09	4.38E-09	0.00E+00	7.37E-09
4402	441060.5	3768496	3.64E-08	4.44E-08	0.00E+00	8.08E-08	4.11E-08	6.45E-08	0.00E+00	1.06E-07	6.89E-09	1.10E-08	0.00E+00	1.79E-08	3.01E-09	4.41E-09	0.00E+00	7.42E-09
4403	441064.2	3768487	3.66E-08	4.47E-08	0.00E+00	8.13E-08	4.13E-08	6.49E-08	0.00E+00	1.06E-07	6.92E-09	1.11E-08	0.00E+00	1.80E-08	3.03E-09	4.43E-09	0.00E+00	7.46E-09
4404	441068	3768478	3.67E-08	4.48E-08	0.00E+00	8.15E-08	4.14E-08	6.51E-08	0.00E+00	1.07E-07	6.94E-09	1.11E-08	0.00E+00	1.80E-08	3.04E-09	4.45E-09	0.00E+00	7.48E-09
4405	441071.7	3768469	3.67E-08	4.47E-08	0.00E+00	8.14E-08	4.14E-08	6.50E-08	0.00E+00	1.06E-07	6.94E-09	1.11E-08	0.00E+00	1.80E-08	3.03E-09	4.44E-09	0.00E+00	7.48E-09
4406	441075.4	3768460	3.66E-08	4.46E-08	0.00E+00	8.12E-08	4.12E-08	6.48E-08	0.00E+00	1.06E-07	6.91E-09	1.11E-08	0.00E+00	1.80E-08	3.02E-09	4.43E-09	0.00E+00	7.45E-09
4407	441012.3	3768612	2.84E-08	3.47E-08	0.00E+00	6.31E-08	3.21E-08	5.04E-08	0.00E+00	8.25E-08	5.38E-09	8.59E-09	0.00E+00	1.40E-08	2.35E-09	3.44E-09	0.00E+00	5.79E-09
4408	441012.3	3768622	2.81E-08	3.43E-08	0.00E+00	6.24E-08	3.17E-08	4.98E-08	0.00E+00	8.15E-08	5.31E-09	8.49E-09	0.00E+00	1.38E-08	2.32E-09	3.40E-09	0.00E+00	5.73E-09
4409	441012.3	3768632	2.77E-08	3.38E-08	0.00E+00	6.15E-08	3.13E-08	4.91E-08	0.00E+00	8.04E-08	5.24E-09	8.38E-09	0.00E+00	1.36E-08	2.29E-09	3.36E-09	0.00E+00	5.65E-09
4410	441012.4	3768642	2.73E-08	3.33E-08	0.00E+00	6.06E-08	3.08E-08	4.84E-08	0.00E+00	7.92E-08	5.17E-09	8.25E-09	0.00E+00	1.34E-08	2.26E-09	3.31E-09	0.00E+00	5.57E-09
4411	441012.4	3768652	2.69E-08	3.27E-08	0.00E+00	5.96E-08	3.03E-08	4.76E-08	0.00E+00	7.79E-08	5.08E-09	8.11E-09	0.00E+00	1.32E-08	2.22E-09	3.25E-09	0.00E+00	5.47E-09
4412	441012.4	3768662	2.63E-08	3.21E-08	0.00E+00	5.84E-08	2.97E-08	4.67E-08	0.00E+00	7.63E-08	4.98E-09	7.96E-09	0.00E+00	1.29E-08	2.18E-09	3.19E-09	0.00E+00	5.36E-09
4413	441012.4	3768672	2.57E-08	3.14E-08	0.00E+00	5.71E-08	2.90E-08	4.56E-08	0.00E+00	7.46E-08	4.86E-09	7.77E-09	0.00E+00	1.26E-08	2.13E-09	3.11E-09	0.00E+00	5.24E-09
4414	441012.5	3768682	2.51E-08	3.06E-08	0.00E+00	5.56E-08	2.83E-08	4.44E-08	0.00E+00	7.27E-08	4.74E-09	7.58E-09	0.00E+00	1.23E-08	2.07E-09	3.03E-09	0.00E+00	5.11E-09
4415	441012.5	3768692	2.44E-08	2.98E-08	0.00E+00	5.42E-08	2.75E-08	4.33E-08	0.00E+00	7.08E-08	4.61E-09	7.37E-09	0.00E+00	1.20E-08	2.02E-09	2.95E-09	0.00E+00	4.97E-09
4416	441012.5	3768702	2.37E-08	2.89E-08	0.00E+00	5.26E-08	2.67E-08	4.20E-08	0.00E+00	6.88E-08	4.48E-09	7.17E-09	0.00E+00	1.17E-08	1.96E-09	2.87E-09	0.00E+00	4.83E-09
4417	441012.6	3768712	2.30E-08	2.81E-08	0.00E+00	5.11E-08	2.60E-08	4.08E-08	0.00E+00	6.67E-08	4.35E-09	6.96E-09	0.00E+00	1.13E-08	1.90E-09	2.79E-09	0.00E+00	4.69E-09
4418	441012.6	3768722	2.23E-08	2.72E-08	0.00E+00	4.95E-08	2.51E-08	3.95E-08	0.00E+00	6.47E-08	4.22E-09	6.74E-09	0.00E+00	1.10E-08	1.84E-09	2.70E-09	0.00E+00	4.54E-09
4419	441012.6	3768732	2.16E-08	2.63E-08	0.00E+00	4.79E-08	2.43E-08	3.82E-08	0.00E+00	6.26E-08	4.08E-09	6.52E-09	0.00E+00	1.06E-08	1.78E-09	2.61E-09	0.00E+00	4.40E-09
4420	441012.7	3768742	2.08E-08	2.54E-08	0.00E+00	4.62E-08	2.35E-08	3.69E-08	0.00E+00	6.04E-08	3.94E-09	6.30E-09	0.00E+00	1.02E-08	1.72E-09	2.52E-09	0.00E+00	4.25E-09
4421	441012.7	3768752	2.01E-08	2.45E-08	0.00E+00	4.46E-08	2.27E-08	3.56E-08	0.00E+00	5.83E-08	3.80E-09	6.08E-09	0.00E+00	9.88E-09	1.66E-09	2.43E-09	0.00E+00	4.10E-09
4422	441012.7	3768772	1.87E-08	2.28E-08	0.00E+00	4.15E-08	2.11E-08	3.31E-08	0.00E+00	5.42E-08	3.53E-09	5.65E-09	0.00E+00	9.18E-09	1.55E-09	2.26E-09	0.00E+00	3.81E-09
4423	441012.8	3768782	1.80E-08	2.19E-08	0.00E+00	3.99E-08	2.03E-08	3.19E-08	0.00E+00	5.22E-08	3.40E-09	5.43E-09	0.00E+00	8.84E-09	1.49E-09	2.18E-09	0.00E+00	3.66E-09
4424	441012.8	3768792	1.73E-08	2.11E-08	0.00E+00	3.84E-08	1.95E-08	3.07E-08	0.00E+00	5.01E-08	3.27E-09	5.23E-09	0.00E+00	8.50E-09	1.43E-09	2.09E-09	0.00E+00	3.52E-09
4425	440999.5	3768595	2.71E-08	3.30E-08	0.00E+00	6.00E-08	3.05E-08	4.79E-08	0.00E+00	7.84E-08	5.12E-09	8.17E-09	0.00E+00	1.33E-08	2.24E-09	3.27E-09	0.00E+00	5.51E-09
4426	441003.2	3768586	2.78E-08	3.39E-08	0.00E+00	6.17E-08	3.13E-08	4.92E-08	0.00E+00	8.06E-08	5.25E-09	8.39E-09	0.00E+00	1.36E-08	2.30E-09	3.36E-09	0.00E+00	5.66E-09
4427	441006.8	3768577	2.85E-08	3.47E-08	0.00E+00	6.32E-08	3.21E-08	5.05E-08	0.00E+00	8.26E-08	5.38E-09	8.61E-09	0.00E+00	1.40E-08	2.36E-09	3.45E-09	0.00E+00	5.80E-09
4428	441010.5	3768569	2.91E-08	3.55E-08	0.00E+00	6.47E-08	3.28E-08	5.16E-08	0.00E+00	8.45E-08	5.51E-09	8.80E-09	0.00E+00	1.43E-08	2.41E-09	3.53E-09	0.00E+00	5.94E-09
4429	441014.1	3768560	2.98E-08	3.63E-08	0.00E+00	6.60E-08	3.35E-08	5.27E-08	0.00E+00	8.63E-08	5.62E-09	8.99E-09	0.00E+00	1.46E-08	2.46E-09	3.60E-09	0.00E+00	6.06E-09
4430	441017.7	3768551	3.03E-08	3.70E-08	0.00E+00	6.73E-08	3.42E-08	5.38E-08	0.00E+00	8.80E-08	5.74E-09	9.17E-09	0.00E+00	1.49E-08	2.51E-09	3.67E-09	0.00E+00	6.18E-09
4431	440992.4	3768643	2.45E-08	2.99E-08	0.00E+00	5.44E-08	2.76E-08	4.34E-08	0.00E+00	7.11E-08	4.63E-09	7.40E-09	0.00E+00	1.20E-08	2.03E-09	2.97E-09	0.00E+00	4.99E-09
4432	440992.4	3768652	2.41E-08	2.94E-08	0.00E+00	5.34E-08	2.71E-08	4.27E-08	0.00E+00	6.98E-08	4.55E-09	7.27E-09	0.00E+00	1.18E-08	1.99E-09	2.91E-09	0.00E+00	4.91E-09
4433	440992.4	3768662	2.36E-08	2.88E-08	0.00E+00	5.24E-08	2.66E-08	4.18E-08	0.00E+00	6.85E-08	4.46E-09	7.13E-09	0.00E+00	1.16E-08	1.95E-09	2.86E-09	0.00E+00	4.81E-09
4434	440992.4	3768672	2.31E-08	2.82E-08	0.00E+00	5.13E-08	2.60E-08	4.09E-08	0.00E+00	6.70E-08	4.37E-09	6.98E-09	0.00E+00	1.13E-08	1.91E-09	2.80E-09	0.00E+00	4.71E-09
4435	440992.5	3768682	2.26E-08	2.75E-08	0.00E+00	5.01E-08	2.54E-08	4.00E-08	0.00E+00	6.54E-08	4.27E-09	6.82E-09	0.00E+00	1.11E-08	1.87E-09	2.73E-09	0.00E+00	4.60E-09
4436	440992.5	3768692	2.20E-08	2.68E-08	0.00E+00	4.88E-08	2.48E-08	3.90E-08	0.00E+00	6.38E-08	4.16E-09	6.65E-09	0.00E+00	1.08E-08	1.82E-09	2.66E-09	0.00E+00	4.48E-09
4437	440992.5	3768702	2.14E-08	2.61E-08	0.00E+00	4.75E-08	2.41E-08	3.79E-08	0.00E+00	6.21E-08	4.05E-09	6.47E-09	0.00E+00	1.05E-08	1.77E-09	2.59E-09	0.00E+00	4.36E-09
4438	440992.6	3768712	2.08E-08	2.54E-08	0.00E+00	4.62E-08	2.35E-08	3.69E-08	0.00E+00	6.03E-08	3.93E-09	6.29E-09	0.00E+00	1.02E-08	1.72E-09	2.52E-09	0.00E+00	4.24E-09
4439	440992.6	3768722	2.02E-08	2.46E-08	0.00E+00	4.48E-08	2.28E-08	3.58E-08	0.00E+00	5.86E-08	3.82E-09	6.10E-09	0.00E+00	9.92E-09	1.67E-09	2.44E-09	0.00E+00	4.11E-09
4440	440992.6	3768732	1.96E-08	2.39E-08	0.00E+00	4.35E-08	2.21E-08	3.47E-08	0.00E+00	5.68E-08	3.70E-09	5.92E-09	0.00E+00	9.62E-09	1.62E-09	2.37E-09	0.00E+00	3.99E-09
4441	440992.7	3768742	1.90E-08	2.31E-08	0.00E+00	4.21E-08	2.14E-08	3.36E-08	0.00E+00	5.50E-08	3.58E-09	5.73E-09	0.00E+00	9.31E-09	1.57E-09	2.29E-09	0.00E+00	3.86E-09
4442	440992.7	3768752	1.83E-08	2.24E-08	0.00E+00	4.07E-08	2.07E-08	3.25E-08	0.00E+00	5.32E-08	3.47E-09	5.54E-09	0.00E+00	9.01E-09	1.52E-09	2.22E-09	0.00E+00	3.74E-09
4443	440992.7	3768772	1.71E-08	2.09E-08	0.00E+00	3.80E-08	1.93E-08	3.03E-08	0.00E+00	4.96E-08	3.24E-09	5.17E-09	0.00E+00	8.41E-09	1.42E-09	2.07E-09	0.00E+00	3.49E-09
4444	440992.8	3768782	1.65E-08	2.01E-08	0.00E+00	3.66E-08	1.86E-08	2.93E-08	0.00E+00	4.79E-08	3.12E-09	4.99E-09	0.00E+00	8.11E-09	1.37E-09	2.00E-09	0.00E+00	3.36E-09
4445	440992.8	3768792	1.59E-08	1.94E-08	0.00E+00	3.53E-08	1.79E-08	2.82E-08	0.00E+00	4.61E-08	3.01E-09	4.81E-09	0.00E+00	7.82E-09	1.32E-09	1.93E-09	0.00E+00	3.24E-09
4446	440976	3768604	2.39E-08	2.91E-08	0.00E+00	5.30E-08	2.69E-08	4.23E-08	0.00E+00	6.93E-08	4.52E-09	7.22E-09	0.00E+00	1.17E-08	1.98E-09	2.89E-09	0.00E+00	4.87E-09
4447	440979.7	3768595	2.46E-08	3.00E-08	0.00E+00	5.46E-08	2.77E-08	4.36E-08	0.00E+00	7.13E-08	4.65E-09	7.43E-09	0.00E+00	1.21E-08	2.03E-09	2.98E-09	0.00E+00	5.01E-09
4448	440998.5	3768549	2.76E-08	3.36E-08	0.00E+00	6.12E-08	3.11E-08	4.89E-08	0.00E+00	8.00E-08	5.22E-09	8.34E-09	0.00E+00	1.36E-08	2.28E-09	3.34E-09	0.00E+00	5.62E-09
4449	441002.2	3768540	2.81E-08	3.42E-08	0.00E+00	6.23E-08	3.17E-08	4.98E-08	0.00E+00	8.14E-08	5.31E-09	8.49E-09	0.00E+00	1.38E-08	2.32E-09	3.40E-09	0.00E+00	5.72E-09
4450	441013.4	3768513	2.95E-08	3.60E-08	0.00E+00	6.55E-08	3.33E-08	5.23E-08	0.00E+00	8.56E-08	5.58E-09	8.92E-09	0.00E+00	1.45E-08	2.44E-09	3.57E-09	0.00E+00	6.02E-09
4451	441017.2	3768504	2.99E-08	3.65E-08	0.00E+00	6.64E-08	3.37E-08	5.30E-08	0.00E+00	8.68E-08	5.66E-09	9.04E-09	0.00E+00	1.47E-08	2.47E-09	3.62E-09	0.00E+00	6.10E-09
4452	440972.3	3768613	2.32E-08	2.83E-08	0.00E+00	5.14E-08	2.61E-08	4.11E-08	0.00E+00	6.72E-08	4.38E-09	7.00E-09	0.00E+00	1.14E-08	1.92E-09	2.81E-09	0.00E+00	4.72E-09
4453	440972.3	3768623	2.28E-08	2.78E-08	0.00E+00	5.07E-08	2.57E-08	4.05E-08	0.00E+00	6.62E-08	4.32E-09	6.90E-09	0.00E+00	1.12E-08	1.89E-09	2.76E-09	0.00E+00	4.65E-09
4454	440972.3	3768633	2.25E-08	2.74E-08	0.00E+00	4.98E-08	2.53E-08	3.98E-08	0.00E+00	6.51E-08	4.25E-09	6.78E-09	0.00E+00	1.10E-08	1.86E-09	2.72E-09	0.00E+00	4.57E-09
4455	440972.4	3768643	2.21E-08	2.69E-08	0.00E+00	4.90E-08	2.49E-08	3.91E-08	0.00E+00	6.40E-08	4.17E-09	6.67E-09	0.00E+00	1.08E-08	1.83E-09	2.67E-09	0.00E+00	4.50E-09
4456	440972.4	3768653	2.17E-08	2.64E-08	0.00E+00	4.81E-08	2.44E-08	3.84E-08	0.00E+00	6.29E-08	4.10E-09	6.55E-09	0.00E+00	1.07E-08	1.79E-09	2.62E-09	0.00E+00	4.42E-09
4457	440972.4	3768663	2.13E-08	2.59E-08	0.00E+00	4.72E-08	2.40E-08	3.77E-08	0.00E+00	6.17E-08	4.02E-09	6.42E-09	0.00E+00	1.04E-08	1.76E-09	2.57E-09	0.00E+00	4.33E-09
4458	440972.4	3768673	2.08E-08	2.54E-08	0.00E+00	4.63E-08	2.35E-08	3.69E-08	0.00E+00	6.04E-08	3.94E-09	6.30E-09	0.00E+00	1.02E-08	1.72E-09	2.52E-09	0.00E+00	4.25E-09
4459	440972.5	3768682	2.04E-08	2.49E-08	0.00E+00	4.53E-08	2.30E-08	3.62E-08	0.00E+00	5.91E-08	3.86E-09	6.16E-09	0.00E+00	1.00E-08	1.69E-09	2.47E-09	0.00E+00	4.16E-09
4460	440972.5	3768692	1.99E-08	2.43E-08	0.00E+00	4.42E-08	2.25E-08	3.53E-08	0.00E+00	5.78E-08	3.77E-09	6.02E-09	0.00E+00	9.79E-09	1.65E-09	2.41E-09	0.00E+00	4.06E-09
4461	440972.5	3768702	1.94E-08	2.37E-08	0.00E+00	4.31E-08	2.19E-08	3.44E-08	0.00E+00	5.63E-08	3.67E-09	5.87E-09	0.00E+00	9.54E-09	1.61E-09	2.35E-09	0.00E+00	3.96E-09
4462	440972.6	3768712	1.89E-08	2.30E-08	0.00E+00	4.19E-08	2.13E-08	3.35E-08	0.00E+00	5.48E-08	3.57E-09	5.71E-09	0.00E+00	9.28E-09	1.56E-09	2.29E-09	0.00E+00	3.85E-09
4463	440972.6	3768722	1.84E-08	2.24E-08	0.00E+00	4.08E-08	2.07E-08	3.26E-08	0.00E+00	5.33E-08	3.47E-09	5.55E-09	0.00E+00	9.03E-09	1.52E-09	2.22E-09	0.00E+00	3.74E-09
4464	440972.6	3768732	1.79E-08	2.18E-08	0.00E+00	3.96E-08	2.01E-08	3.16E-08	0.00E+00	5.18E-08	3.38E-09	5.40E-09	0.00E+00	8.77E-09	1.48E-09	2.16E-09	0.00E+00	3.64E-09
4465	440972.7	3768742	1.73E-08	2.11E-08	0.00E+00	3.85E-08	1.95E-08	3.07E-08	0.00E+00	5.03E-08	3.28E-09	5.24E-09	0.00E+00	8.51E-09	1.43E-09	2.10E-09	0.00E+00	3.53E-09
4466	440972.7	3768752	1.68E-08	2.05E-08	0.00E+00	3.73E-08	1.89E-08	2.98E-08	0.00E+00	4.87E-08	3.18E-09	5.08E-09	0.00E+00	8.26E-09	1.39E-09	2.03E-09	0.00E+00	3.42E-09
4467	440972.8	3768782	1.52E-08	1.86E-08	0.00E+00	3.38E-08	1.72E-08	2.70E-08	0.00E+00	4.41E-08	2.88E-09	4.60E-09	0.00E+00	7.48E-09	1.26E-09	1.84E-09	0.00E+00	3.10E-09
4468	440972.8	3768792	1.47E-08	1.79E-08	0.00E+00	3.27E-08	1.66E-08	2.61E-08	0.00E+00	4.27E-08	2.78E-09	4.45E-09	0.00E+00	7.23E-09	1.22E-09	1.78E-09	0.00E+00	3.00E-09
4469	440959.6	3768595	2.23E-08	2.72E-08	0.00E+00	4.95E-08	2.52E-08	3.96E-08	0.00E+00	6.47E-08	4.22E-09	6.74E-09	0.00E+00	1.10E-08	1.85E-09	2.70E-09	0.00E+00	4.55E-09
4470	440963.3	3768586	2.29E-08	2.80E-08	0.00E+00	5.09E-08	2.58E-08	4.06E-08	0.00E+00	6.65E-08	4.33E-09	6.93E-09	0.00E+00	1.13E-08	1.90E-09	2.78E-09	0.00E+00	4.67E-09
4471	440967	3768577	2.35E-08	2.87E-08	0.00E+00	5.22E-08	2.65E-08	4.17E-08	0.00E+00	6.82E-08	4.45E-09	7.11E-09	0.00E+00	1.16E-08	1.95E-09	2.85E-09	0.00E+00	4.79E-09
4472	440970.6	3768568	2.41E-08	2.94E-08	0.00E+00	5.35E-08	2.72E-08	4.27E-08	0.00E+00	6.99E-08	4.56E-09	7.28E-09	0.00E+00	1.18E-08	1.99E-09	2.92E-09	0.00E+00	4.91E-09
4473	440974.3	3768559	2.46E-08	3.00E-08	0.00E+00	5.47E-08	2.78E-08	4.37E-08	0.00E+00	7.14E-08	4.66E-09	7.45E-09	0.00E+00	1.21E-08	2.04E-09	2.98E-09	0.00E+00	5.02E-09
4474	440978	3768550	2.52E-08	3.07E-08	0.00E+00	5.58E-08	2.84E-08	4.46E-08	0.00E+00	7.29E-08	4.76E-09	7.60E-09	0.00E+00	1.24E-08	2.08E-09	3.04E-09	0.00E+00	5.12E-09
4475	440952.3	3768633	2.04E-08	2.49E-08	0.00E+00	4.54E-08	2.30E-08	3.62E-08	0.00E+00	5.93E-08	3.86E-09	6.18E-09	0.00E+00	1.00E-08	1.69E-09	2.47E-09	0.00E+00	4.16E-09
4476	440952.4	3768643	2.01E-08	2.45E-08	0.00E+00	4.47E-08	2.27E-08	3.57E-08	0.00E+00	5.83E-08	3.80E-09	6.08E-09	0.00E+00	9.88E-09	1.66E-09	2.44E-09	0.00E+00	4.10E-09
4477	440952.4	3768653	1.98E-08	2.41E-08	0.00E+00	4.39E-08	2.23E-08	3.51E-08	0.00E+00	5.73E-08	3.74E-09	5.98E-09	0.00E+00	9.72E-09	1.64E-09	2.39E-09	0.00E+00	4.03E-09

4478	440952.4	3768663	1.94E-08	2.37E-08	0.00E+00	4.31E-08	2.19E-08	3.44E-08	0.00E+00	5.63E-08	3.67E-09	5.87E-09	0.00E+00	9.54E-09	1.61E-09	2.35E-09	0.00E+00	3.95E-09
4479	440952.4	3768673	1.90E-08	2.32E-08	0.00E+00	4.22E-08	2.14E-08	3.37E-08	0.00E+00	5.52E-08	3.60E-09	5.75E-09	0.00E+00	9.35E-09	1.57E-09	2.30E-09	0.00E+00	3.88E-09
4480	440952.5	3768683	1.86E-08	2.27E-08	0.00E+00	4.13E-08	2.10E-08	3.30E-08	0.00E+00	5.40E-08	3.52E-09	5.63E-09	0.00E+00	9.15E-09	1.54E-09	2.25E-09	0.00E+00	3.79E-09
4481	440952.5	3768693	1.82E-08	2.22E-08	0.00E+00	4.04E-08	2.05E-08	3.23E-08	0.00E+00	5.28E-08	3.44E-09	5.50E-09	0.00E+00	8.94E-09	1.50E-09	2.20E-09	0.00E+00	3.71E-09
4482	440952.5	3768703	1.78E-08	2.16E-08	0.00E+00	3.94E-08	2.00E-08	3.15E-08	0.00E+00	5.15E-08	3.36E-09	5.36E-09	0.00E+00	8.72E-09	1.47E-09	2.15E-09	0.00E+00	3.62E-09
4483	440952.6	3768712	1.73E-08	2.11E-08	0.00E+00	3.84E-08	1.95E-08	3.07E-08	0.00E+00	5.02E-08	3.27E-09	5.23E-09	0.00E+00	8.50E-09	1.43E-09	2.09E-09	0.00E+00	3.52E-09
4484	440952.6	3768722	1.68E-08	2.05E-08	0.00E+00	3.74E-08	1.90E-08	2.98E-08	0.00E+00	4.88E-08	3.18E-09	5.09E-09	0.00E+00	8.27E-09	1.39E-09	2.04E-09	0.00E+00	3.43E-09
4485	440952.6	3768732	1.64E-08	2.00E-08	0.00E+00	3.64E-08	1.85E-08	2.91E-08	0.00E+00	4.75E-08	3.10E-09	4.95E-09	0.00E+00	8.05E-09	1.36E-09	1.98E-09	0.00E+00	3.34E-09
4486	440952.7	3768742	1.59E-08	1.94E-08	0.00E+00	3.54E-08	1.80E-08	2.82E-08	0.00E+00	4.62E-08	3.01E-09	4.82E-09	0.00E+00	7.83E-09	1.32E-09	1.93E-09	0.00E+00	3.25E-09
4487	440952.7	3768752	1.55E-08	1.89E-08	0.00E+00	3.44E-08	1.74E-08	2.74E-08	0.00E+00	4.49E-08	2.93E-09	4.68E-09	0.00E+00	7.60E-09	1.28E-09	1.87E-09	0.00E+00	3.15E-09
4488	440952.8	3768782	1.41E-08	1.72E-08	0.00E+00	3.13E-08	1.59E-08	2.50E-08	0.00E+00	4.09E-08	2.67E-09	4.26E-09	0.00E+00	6.93E-09	1.17E-09	1.71E-09	0.00E+00	2.87E-09
4489	440952.8	3768792	1.37E-08	1.66E-08	0.00E+00	3.03E-08	1.54E-08	2.42E-08	0.00E+00	3.96E-08	2.58E-09	4.13E-09	0.00E+00	6.71E-09	1.13E-09	1.65E-09	0.00E+00	2.78E-09
4490	440919.7	3768595	1.87E-08	2.28E-08	0.00E+00	4.15E-08	2.11E-08	3.31E-08	0.00E+00	5.42E-08	3.54E-09	5.65E-09	0.00E+00	9.19E-09	1.55E-09	2.26E-09	0.00E+00	3.81E-09
4491	440923.4	3768586	1.92E-08	2.34E-08	0.00E+00	4.26E-08	2.16E-08	3.40E-08	0.00E+00	5.57E-08	3.63E-09	5.80E-09	0.00E+00	9.43E-09	1.59E-09	2.32E-09	0.00E+00	3.91E-09
4492	440927.1	3768577	1.97E-08	2.40E-08	0.00E+00	4.37E-08	2.22E-08	3.49E-08	0.00E+00	5.71E-08	3.72E-09	5.95E-09	0.00E+00	9.67E-09	1.63E-09	2.38E-09	0.00E+00	4.01E-09
4493	440930.8	3768568	2.02E-08	2.46E-08	0.00E+00	4.47E-08	2.27E-08	3.57E-08	0.00E+00	5.85E-08	3.81E-09	6.09E-09	0.00E+00	9.90E-09	1.67E-09	2.44E-09	0.00E+00	4.11E-09
4494	440934.5	3768559	2.06E-08	2.51E-08	0.00E+00	4.57E-08	2.32E-08	3.65E-08	0.00E+00	5.98E-08	3.90E-09	6.23E-09	0.00E+00	1.01E-08	1.70E-09	2.49E-09	0.00E+00	4.20E-09
4495	440938.2	3768550	2.11E-08	2.57E-08	0.00E+00	4.67E-08	2.37E-08	3.73E-08	0.00E+00	6.11E-08	3.98E-09	6.36E-09	0.00E+00	1.03E-08	1.74E-09	2.55E-09	0.00E+00	4.29E-09
4496	440912.3	3768633	1.73E-08	2.11E-08	0.00E+00	3.84E-08	1.95E-08	3.07E-08	0.00E+00	5.01E-08	3.27E-09	5.23E-09	0.00E+00	8.50E-09	1.43E-09	2.09E-09	0.00E+00	3.52E-09
4497	440912.4	3768643	1.70E-08	2.08E-08	0.00E+00	3.78E-08	1.92E-08	3.02E-08	0.00E+00	4.94E-08	3.22E-09	5.14E-09	0.00E+00	8.36E-09	1.41E-09	2.06E-09	0.00E+00	3.47E-09
4498	440912.4	3768653	1.67E-08	2.04E-08	0.00E+00	3.71E-08	1.89E-08	2.97E-08	0.00E+00	4.85E-08	3.16E-09	5.06E-09	0.00E+00	8.22E-09	1.38E-09	2.03E-09	0.00E+00	3.41E-09
4499	440912.4	3768663	1.64E-08	2.00E-08	0.00E+00	3.65E-08	1.85E-08	2.91E-08	0.00E+00	4.76E-08	3.11E-09	4.96E-09	0.00E+00	8.07E-09	1.36E-09	1.99E-09	0.00E+00	3.35E-09
4500	440912.4	3768673	1.61E-08	1.96E-08	0.00E+00	3.58E-08	1.82E-08	2.86E-08	0.00E+00	4.67E-08	3.05E-09	4.87E-09	0.00E+00	7.92E-09	1.33E-09	1.95E-09	0.00E+00	3.28E-09
4501	440912.5	3768683	1.58E-08	1.92E-08	0.00E+00	3.50E-08	1.78E-08	2.80E-08	0.00E+00	4.58E-08	2.98E-09	4.77E-09	0.00E+00	7.75E-09	1.31E-09	1.91E-09	0.00E+00	3.22E-09
4502	440912.5	3768693	1.54E-08	1.88E-08	0.00E+00	3.43E-08	1.74E-08	2.74E-08	0.00E+00	4.48E-08	2.92E-09	4.67E-09	0.00E+00	7.59E-09	1.28E-09	1.87E-09	0.00E+00	3.15E-09
4503	440912.5	3768703	1.51E-08	1.84E-08	0.00E+00	3.35E-08	1.70E-08	2.68E-08	0.00E+00	4.38E-08	2.85E-09	4.56E-09	0.00E+00	7.42E-09	1.25E-09	1.83E-09	0.00E+00	3.08E-09
4504	440912.6	3768713	1.47E-08	1.80E-08	0.00E+00	3.27E-08	1.66E-08	2.61E-08	0.00E+00	4.28E-08	2.79E-09	4.46E-09	0.00E+00	7.24E-09	1.22E-09	1.78E-09	0.00E+00	3.00E-09
4505	440912.6	3768723	1.44E-08	1.75E-08	0.00E+00	3.19E-08	1.62E-08	2.55E-08	0.00E+00	4.17E-08	2.72E-09	4.35E-09	0.00E+00	7.07E-09	1.19E-09	1.74E-09	0.00E+00	2.93E-09
4506	440912.6	3768733	1.40E-08	1.71E-08	0.00E+00	3.11E-08	1.58E-08	2.48E-08	0.00E+00	4.07E-08	2.65E-09	4.24E-09	0.00E+00	6.89E-09	1.16E-09	1.70E-09	0.00E+00	2.86E-09
4507	440912.7	3768743	1.37E-08	1.66E-08	0.00E+00	3.03E-08	1.54E-08	2.42E-08	0.00E+00	3.96E-08	2.58E-09	4.13E-09	0.00E+00	6.71E-09	1.13E-09	1.65E-09	0.00E+00	2.78E-09
4508	440912.7	3768753	1.33E-08	1.62E-08	0.00E+00	2.95E-08	1.50E-08	2.36E-08	0.00E+00	3.85E-08	2.51E-09	4.02E-09	0.00E+00	6.53E-09	1.10E-09	1.61E-09	0.00E+00	2.71E-09
4509	440912.8	3768782	1.22E-08	1.49E-08	0.00E+00	2.71E-08	1.38E-08	2.17E-08	0.00E+00	3.55E-08	2.31E-09	3.69E-09	0.00E+00	6.01E-09	1.01E-09	1.48E-09	0.00E+00	2.49E-09
4510	440912.8	3768792	1.19E-08	1.45E-08	0.00E+00	2.63E-08	1.34E-08	2.10E-08	0.00E+00	3.44E-08	2.24E-09	3.59E-09	0.00E+00	5.83E-09	9.81E-10	1.44E-09	0.00E+00	2.42E-09
4511	440879.7	3768595	1.60E-08	1.95E-08	0.00E+00	3.55E-08	1.80E-08	2.83E-08	0.00E+00	4.63E-08	3.02E-09	4.83E-09	0.00E+00	7.85E-09	1.32E-09	1.93E-09	0.00E+00	3.26E-09
4512	440883.4	3768586	1.64E-08	2.00E-08	0.00E+00	3.63E-08	1.85E-08	2.90E-08	0.00E+00	4.75E-08	3.09E-09	4.95E-09	0.00E+00	8.04E-09	1.35E-09	1.98E-09	0.00E+00	3.33E-09
4513	440887.2	3768577	1.68E-08	2.04E-08	0.00E+00	3.72E-08	1.89E-08	2.97E-08	0.00E+00	4.86E-08	3.17E-09	5.06E-09	0.00E+00	8.23E-09	1.39E-09	2.03E-09	0.00E+00	3.41E-09
4514	440890.9	3768568	1.71E-08	2.09E-08	0.00E+00	3.80E-08	1.93E-08	3.04E-08	0.00E+00	4.97E-08	3.24E-09	5.18E-09	0.00E+00	8.42E-09	1.42E-09	2.08E-09	0.00E+00	3.49E-09
4515	440894.6	3768559	1.75E-08	2.14E-08	0.00E+00	3.89E-08	1.98E-08	3.11E-08	0.00E+00	5.08E-08	3.31E-09	5.29E-09	0.00E+00	8.61E-09	1.45E-09	2.12E-09	0.00E+00	3.57E-09
4516	440898.3	3768550	1.79E-08	2.18E-08	0.00E+00	3.97E-08	2.02E-08	3.17E-08	0.00E+00	5.19E-08	3.38E-09	5.40E-09	0.00E+00	8.79E-09	1.48E-09	2.16E-09	0.00E+00	3.64E-09
4517	440872.3	3768633	1.48E-08	1.81E-08	0.00E+00	3.29E-08	1.67E-08	2.62E-08	0.00E+00	4.29E-08	2.80E-09	4.47E-09	0.00E+00	7.27E-09	1.22E-09	1.79E-09	0.00E+00	3.02E-09
4518	440872.4	3768643	1.46E-08	1.78E-08	0.00E+00	3.24E-08	1.64E-08	2.58E-08	0.00E+00	4.23E-08	2.76E-09	4.41E-09	0.00E+00	7.16E-09	1.21E-09	1.77E-09	0.00E+00	2.97E-09
4519	440872.4	3768653	1.44E-08	1.75E-08	0.00E+00	3.19E-08	1.62E-08	2.54E-08	0.00E+00	4.16E-08	2.71E-09	4.34E-09	0.00E+00	7.05E-09	1.19E-09	1.74E-09	0.00E+00	2.92E-09
4520	440872.4	3768663	1.41E-08	1.72E-08	0.00E+00	3.13E-08	1.59E-08	2.50E-08	0.00E+00	4.09E-08	2.67E-09	4.26E-09	0.00E+00	6.93E-09	1.17E-09	1.71E-09	0.00E+00	2.87E-09
4521	440872.4	3768673	1.38E-08	1.69E-08	0.00E+00	3.07E-08	1.56E-08	2.45E-08	0.00E+00	4.01E-08	2.62E-09	4.18E-09	0.00E+00	6.80E-09	1.14E-09	1.68E-09	0.00E+00	2.82E-09
4522	440872.5	3768683	1.36E-08	1.65E-08	0.00E+00	3.01E-08	1.53E-08	2.40E-08	0.00E+00	3.93E-08	2.57E-09	4.10E-09	0.00E+00	6.67E-09	1.12E-09	1.64E-09	0.00E+00	2.76E-09
4523	440872.5	3768693	1.33E-08	1.62E-08	0.00E+00	2.95E-08	1.50E-08	2.36E-08	0.00E+00	3.85E-08	2.51E-09	4.02E-09	0.00E+00	6.53E-09	1.10E-09	1.61E-09	0.00E+00	2.71E-09
4524	440872.5	3768703	1.30E-08	1.59E-08	0.00E+00	2.89E-08	1.47E-08	2.31E-08	0.00E+00	3.77E-08	2.46E-09	3.93E-09	0.00E+00	6.39E-09	1.08E-09	1.58E-09	0.00E+00	2.65E-09
4525	440872.6	3768713	1.27E-08	1.55E-08	0.00E+00	2.83E-08	1.44E-08	2.26E-08	0.00E+00	3.69E-08	2.41E-09	3.85E-09	0.00E+00	6.25E-09	1.05E-09	1.54E-09	0.00E+00	2.59E-09
4526	440872.6	3768723	1.24E-08	1.52E-08	0.00E+00	2.76E-08	1.40E-08	2.21E-08	0.00E+00	3.61E-08	2.35E-09	3.76E-09	0.00E+00	6.11E-09	1.03E-09	1.51E-09	0.00E+00	2.54E-09
4527	440872.6	3768733	1.22E-08	1.48E-08	0.00E+00	2.70E-08	1.37E-08	2.15E-08	0.00E+00	3.52E-08	2.30E-09	3.67E-09	0.00E+00	5.97E-09	1.01E-09	1.47E-09	0.00E+00	2.48E-09
4528	440872.7	3768743	1.19E-08	1.45E-08	0.00E+00	2.63E-08	1.34E-08	2.10E-08	0.00E+00	3.44E-08	2.24E-09	3.59E-09	0.00E+00	5.83E-09	9.81E-10	1.44E-09	0.00E+00	2.42E-09
4529	440872.7	3768753	1.16E-08	1.41E-08	0.00E+00	2.57E-08	1.31E-08	2.05E-08	0.00E+00	3.36E-08	2.19E-09	3.50E-09	0.00E+00	5.69E-09	9.57E-10	1.40E-09	0.00E+00	2.36E-09
4530	440872.8	3768783	1.07E-08	1.31E-08	0.00E+00	2.38E-08	1.21E-08	1.90E-08	0.00E+00	3.11E-08	2.03E-09	3.24E-09	0.00E+00	5.27E-09	8.87E-10	1.30E-09	0.00E+00	2.18E-09
4531	440872.8	3768793	1.04E-08	1.27E-08	0.00E+00	2.32E-08	1.18E-08	1.85E-08	0.00E+00	3.02E-08	1.97E-09	3.15E-09	0.00E+00	5.12E-09	8.63E-10	1.26E-09	0.00E+00	2.13E-09
4532	440839.7	3768595	1.38E-08	1.68E-08	0.00E+00	3.07E-08	1.56E-08	2.45E-08	0.00E+00	4.00E-08	2.61E-09	4.17E-09	0.00E+00	6.78E-09	1.14E-09	1.67E-09	0.00E+00	2.81E-09
4533	440843.5	3768586	1.41E-08	1.72E-08	0.00E+00	3.13E-08	1.59E-08	2.50E-08	0.00E+00	4.09E-08	2.67E-09	4.27E-09	0.00E+00	6.94E-09	1.17E-09	1.71E-09	0.00E+00	2.88E-09
4534	440847.2	3768577	1.44E-08	1.76E-08	0.00E+00	3.20E-08	1.63E-08	2.56E-08	0.00E+00	4.18E-08	2.73E-09	4.36E-09	0.00E+00	7.09E-09	1.19E-09	1.75E-09	0.00E+00	2.94E-09
4535	440851	3768568	1.47E-08	1.80E-08	0.00E+00	3.27E-08	1.66E-08	2.61E-08	0.00E+00	4.28E-08	2.79E-09	4.46E-09	0.00E+00	7.24E-09	1.22E-09	1.78E-09	0.00E+00	3.00E-09
4536	440854.7	3768559	1.51E-08	1.84E-08	0.00E+00	3.34E-08	1.70E-08	2.67E-08	0.00E+00	4.37E-08	2.85E-09	4.55E-09	0.00E+00	7.39E-09	1.24E-09	1.82E-09	0.00E+00	3.07E-09
4537	440858.5	3768550	1.54E-08	1.87E-08	0.00E+00	3.41E-08	1.73E-08	2.72E-08	0.00E+00	4.45E-08	2.90E-09	4.64E-09	0.00E+00	7.55E-09	1.27E-09	1.86E-09	0.00E+00	3.13E-09
4538	440832.3	3768633	1.28E-08	1.57E-08	0.00E+00	2.85E-08	1.45E-08	2.28E-08	0.00E+00	3.72E-08	2.43E-09	3.88E-09	0.00E+00	6.31E-09	1.06E-09	1.55E-09	0.00E+00	2.62E-09
4539	440832.4	3768643	1.27E-08	1.54E-08	0.00E+00	2.81E-08	1.43E-08	2.24E-08	0.00E+00	3.67E-08	2.39E-09	3.82E-09	0.00E+00	6.22E-09	1.05E-09	1.53E-09	0.00E+00	2.58E-09
4540	440832.4	3768653	1.25E-08	1.52E-08	0.00E+00	2.76E-08	1.40E-08	2.21E-08	0.00E+00	3.61E-08	2.36E-09	3.76E-09	0.00E+00	6.12E-09	1.03E-09	1.51E-09	0.00E+00	2.54E-09
4541	440832.4	3768663	1.23E-08	1.49E-08	0.00E+00	2.72E-08	1.38E-08	2.17E-08	0.00E+00	3.55E-08	2.32E-09	3.70E-09	0.00E+00	6.02E-09	1.01E-09	1.48E-09	0.00E+00	2.50E-09
4542	440832.4	3768673	1.21E-08	1.47E-08	0.00E+00	2.67E-08	1.36E-08	2.14E-08	0.00E+00	3.49E-08	2.28E-09	3.64E-09	0.00E+00	5.92E-09	9.96E-10	1.46E-09	0.00E+00	2.45E-09
4543	440832.5	3768683	1.18E-08	1.44E-08	0.00E+00	2.63E-08	1.33E-08	2.10E-08	0.00E+00	3.43E-08	2.24E-09	3.57E-09	0.00E+00	5.81E-09	9.78E-10	1.43E-09	0.00E+00	2.41E-09
4544	440832.5	3768693	1.16E-08	1.41E-08	0.00E+00	2.58E-08	1.31E-08	2.06E-08	0.00E+00	3.36E-08	2.19E-09	3.51E-09	0.00E+00	5.70E-09	9.60E-10	1.40E-09	0.00E+00	2.36E-09
4545	440832.5	3768703	1.14E-08	1.39E-08	0.00E+00	2.53E-08	1.28E-08	2.02E-08	0.00E+00	3.30E-08	2.15E-09	3.44E-09	0.00E+00	5.59E-09	9.41E-10	1.38E-09	0.00E+00	2.32E-09
4546	440832.6	3768713	1.12E-08	1.36E-08	0.00E+00	2.48E-08	1.26E-08	1.98E-08	0.00E+00	3.23E-08	2.11E-09	3.37E-09	0.00E+00	5.48E-09	9.22E-10	1.35E-09	0.00E+00	2.27E-09
4547	440832.6	3768723	1.09E-08	1.33E-08	0.00E+00	2.42E-08	1.23E-08	1.94E-08	0.00E+00	3.17E-08	2.06E-09	3.30E-09	0.00E+00	5.37E-09	9.03E-10	1.32E-09	0.00E+00	2.23E-09
4548	440832.6	3768733	1.07E-08	1.30E-08	0.00E+00	2.37E-08	1.20E-08	1.89E-08	0.00E+00	3.10E-08	2.02E-09	3.23E-09	0.00E+00	5.25E-09	8.84E-10	1.29E-09	0.00E+00	2.18E-09
4549	440832.7	3768743	1.05E-08	1.27E-08	0.00E+00	2.32E-08	1.18E-08	1.85E-08	0.00E+00	3.03E-08	1.98E-09	3.16E-09	0.00E+00	5.13E-09	8.64E-10	1.26E-09	0.00E+00	2.13E-09
4550	440832.7	3768753	1.02E-08	1.24E-08	0.00E+00	2.27E-08	1.15E-08	1.81E-08	0.00E+00	2.96E-08	1.93E-09	3.08E-09	0.00E+00	5.01E-09	8.44E-10	1.24E-09	0.00E+00	2.08E-09
4551	440832.8	3768783	9.48E-09	1.16E-08	0.00E+00	2.10E-08	1.07E-08	1.68E-08	0.00E+00	2.75E-08	1.79E-09	2.87E-09	0.00E+00	4.66E-09	7.84E-10	1.15E-09	0.00E+00	1.93E-09
4552	440832.8	3768793	9.25E-09	1.13E-08	0.00E+00	2.05E-08	1.04E-08	1.64E-08	0.00E+00	2.68E-08	1.75E-09	2.79E-09	0.00E+00	4.54E-09	7.65E-10	1.12E-09	0.00E+00	1.88E-09
4553	440799.8	3768595	1.21E-08	1.47E-08	0.00E+00	2.68E-08	1.36E-08	2.14E-08	0.00E+00	3.50E-08	2.28E-09	3.65E-09	0.00E+00	5.93E-09	9.98E-10	1.46E-09	0.00E+00	2.46E-09
4554	440792.3	3768633	1.12E-08	1.37E-08	0.00E+00	2.49E-08	1.26E-08	1.99E-08	0.00E+00	3.25E-08	2.12E-09	3.39E-09	0.00E+00	5.51E-09	9.28E-10	1.36E-09	0.00E+00	2.29E-09
4555	440792.4	3768643	1.11E-08	1.35E-08	0.00E+00	2.46E-08	1.25E-08	1.96E-08	0.00E+00	3.21E-08	2.09E-09	3.35E-09	0.00E+00	5.44E-09	9.15E-10	1.34E-09	0.00E+00	2.26E-09
4556	440792.4	3768653	1.09E-08	1.33E-08	0.00E+00	2.42E-08	1.23E-08	1.93E-08	0.00E+00	3.16E-08	2.06E-09	3.30E-09	0.00E+00	5.36E-09	9.03E-10	1.32E-09	0.00E+00	2.22E-09
4557	440792.4	3768663	1.08E-08	1.31E-08	0.00E+00	2.39E-08	1.21E-08	1.91E-08	0.00E+00	3.12E-08	2.03E-09	3.25E-09	0.00E+00	5.28E-09	8.89E-10	1.30E-09	0.00E+00	2.19E-09
4558	440792.4	3768673	1.06E-08	1.29E-08	0.00E+00	2.35E-08	1.19E-08	1.88E-08	0.00E+00	3.07E-08	2.00E-09	3.20E-09	0.00E+00	5.20E-09	8.75E-10	1.28E-09	0.00E+00	2.16E-09
4559	440792.5	3768683	1.04E-08	1.27E-08	0.00E+00	2.31E-08	1.17E-08	1.84E-08	0.00E+00	3.02E-08	1.97E-09	3.14E-09	0.00E+00	5.11E-09	8.61E-10	1.26E-09	0.00E+00	2.12E-09
4560	440792.5	3768693	1.02E-08	1.25E-08	0.00E+00	2.27E-08	1.15E-08	1.81E-08	0.00E+00	2.96E-08	1.93E-09	3.09E-09	0.00E+00	5.02E-09	8.45E-10	1.24E-09	0.00E+00	2.08E-09
4561	440792.5	3768703	1.00E-08	1.22E-08	0.00E+00	2.23E-08	1.13E-08	1.78E-08	0.00E+00	2.91E-08	1.90E-09	3.03E-09	0.00E+00	4.93E-09	8.30E-10	1.21E-09	0.00E+00	2.04E-09
4562	440792.6	3768713	9.85E-09	1.20E-08	0.00E+00	2.19E-08	1.11E-08	1.74E-08	0.00E+00	2.85E-08	1.86E-09	2.97E-09	0.00E+00	4.84E-09	8.14E-10	1.19E-09	0.00E+00	2.01E-09
4563	440792.6	3768723	9.66E-09	1.18E-08	0.00E+00	2.14E-08	1.09E-08	1.71E-08	0.00E+00	2.80E-08	1.83E-09	2.92E-09	0.00E+00	4.74E-09	7.98E-10	1.17E-09	0.00E+00	1.97E-09
4564	440792.6	3768733	9.46E-09	1.15E-08	0.00E+00	2.10E-08	1.07E-08	1.68E-08	0.00E+00	2.74E-08	1.79E-09	2.86E-09	0.00E+00	4.65E-09	7.83E-10	1.15E-09	0.00E+00	1.93E-09
4565	440792.7	3768743	9.27E-09	1.13E-08	0.00E+00	2.06E-08	1.04E-08	1.64E-08	0.00E+00	2.69E-08	1.75E-09	2.80E-09	0.00E+00	4.55E-09	7.66E-10	1.12E-09	0.00E+00	1.89E-09
4566	440792.7	3768753	9.07E-09	1.11E-08	0.00E+00	2.01E-08	1.02E-08	1.61E-08	0.00E+00	2.63E-08	1.71E-09	2.74E-09	0.00E+00	4.45E-09	7.50E-10	1.10E-09	0.00E+00	1.85E-09
4567	440792.8	3768783	8.48E-09	1.03E-08	0.00E+00	1.88E-08	9.55E-09	1.50E-08	0.00E+00	2.46E-08	1.60E-09	2.56E-09	0.00E+00	4.16E-09	7.01E-10	1.03E-09	0.00E+00	1.73E-09
4568	440792.8	3768793	8.28E-09	1.01E-08	0.00E+00	1.84E-08	9.34E-09	1.47E-08	0.00E+00	2.40E-08	1.57E-09	2.50E-09	0.00E+00	4.07E-09	6.85E-10	1.00E-09	0.00E+00	1.69E-09
4569	440759.8	3768595	1.06E-08	1.30E-08	0.00E+00	2.36E-08	1.20E-08	1.88E-08	0.00E+00	3.08E-08	2.01E-09	3.21E-09	0.00E+00	5.22E-09	8.79E-10	1.29E-09	0.00E+00	2.17E-09
4570	440763.6	3768586	1.09E-08	1.32E-08	0.00E+00	2.41E-08	1.22E-08	1.93E-08	0.00E+00	3.15E-08	2.05E-09	3.28E-09	0.00E+00	5.34E-09	8.98E-10	1.31E-09	0.00E+00	2.21E-09
4571	440767.3	3768577	1.11E-08	1.35E-08	0.00E+00	2.46E-08	1.25E-08	1.97E-08	0.00E+00	3.22E-08	2.10E-09	3.35E-09	0.00E+00	5.45E-09	9.18E-10	1.34E-09	0.00E+00	2.26E-09
4572	440771.1	3768568	1.13E-08	1.38E-08	0.00E+00	2.51E-08	1.28E-08	2.01E-08	0.00E+00	3.28E-08	2.14E-09	3.42E-09	0.00E+00	5.56E-09	9.36E-10	1.37E-09	0.00E+00	2.31E-09
4573	440774.9	3768559	1.15E-08	1.41E-08	0.00E+00	2.56E-08	1.30E-08	2.05E-08	0.00E+00	3.35E-08	2.18E-09	3.49E-09	0.00E+00	5.67E-09	9.54E-10	1.40E-09	0.00E+00	2.35E-09
4574	440778.6	3768549	1.18E-08	1.43E-08	0.00E+00	2.61E-08	1.32E-08	2.08E-08	0.00E+00	3.41E-08	2.22E-09	3.55E-09	0.00E+00	5.77E-09	9.72E-10	1.42E-09	0.00E+00	2.39E-09
4575	440752.3	3768633	9.92E-09	1.21E-08	0.00E+00	2.20E-08	1.12E-08	1.76E-08	0.00E+00	2.88E-08	1.87E-09	3.00E-09	0.00E+00	4.87E-09	8.20E-10	1.20E-09	0.00E+00	2.02E-09
4576	440752.4	3768643	9.79E-09	1.19E-08	0.00E+00	2.17E-08	1.10E-08	1.73E-08	0.00E+00	2.84E-08	1.85E-09	2.96E-09	0.00E+00	4.81E-09	8.09E-10	1.18E-09	0.00E+00	1.99E-09
4577	440752.4	3768653	9.66E-09	1.18E-08	0.00E+00	2.14E-08	1.09E-08	1.71E-08	0.00E+00	2.80E-08	1.83E-09	2.92E-09	0.00E+00	4.74E-09	7.98E-10	1.17E-09	0.00E+00	1.97E-09
4578	440752.4	3768663	9.52E-09	1.16E-08	0.00E+00	2.11E-08	1.07E-08	1.69E-08	0.00E+00	2.76E-08	1.80E-09	2.88E-09	0.00E+00	4.68E-09	7.87E-10	1.15E-09	0.00E+00	1.94E-09
4579	440752.4	3768673	9.38E-09	1.14E-08	0.00E+00	2.08E-08	1.06E-08	1.66E-08	0.00E+00	2.72E-08	1.77E-09	2.83E-09	0.00E+00	4.61E-09	7.76E-10	1.14E-09	0.00E+00	1.91E-09
4580	440752.5	3768683	9.24E-09	1.13E-08	0.00E+00	2.05E-08	1.04E-08	1.64E-08	0.00E+00	2.68E-08	1.75E-09	2.79E-09	0.00E+00	4.54E-09	7.64E-10	1.12E-09	0.00E+00	1.88E-09
4581	440752.5	3768693	9.09E-09	1.11E-08	0.00E+00	2.02E-08	1.02E-08	1.61E-08	0.00E+00	2.63E-08	1.72E-09	2.75E-09	0.00E+00	4.46E-09	7.51E-10	1.10E-09	0.00E+00	1.85E-09
4582	440752.5	3768703	8.93E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.39E-09	7.39E-10	1.08E-09	0.00E+00	1.82E-09
4583	440752.6	3768713	8.77E-09	1.07E-08	0.00E+00	1.95E-08	9.89E-09	1.55E-08	0.00E+00	2.54E-08	1.66E-09	2.65E-09	0.00E+00	4.31E-09	7.26E-10	1.06E-09	0.00E+00	1.79E-09
4584	440752.6	3768723	8.61E-09	1.05E-08	0.00E+00	1.91E-08	9.71E-09	1.53E-08	0.00E+00	2.50E-08	1.63E-09	2.60E-09	0.00E+00	4.23E-09	7.12E-10	1.04E-09	0.00E+00	1.75E-09
4585	440752.6	3768733	8.45E-09	1.03E-08	0.00E+00	1.88E-08	9.53E-09	1.50E-08	0.00E+00	2.45E-08	1.60E-09	2.55E-09	0.00E+00	4.15E-09	6.99E-10	1.02E-09	0.00E+00	1.72E-09
4586	440752.7	3768743	8.29E-09	1.01E-08	0.00E+00	1.84E-08	9.34E-09	1.47E-08	0.00E+00	2.40E-08	1.57E-09	2.50E-09	0.00E+00	4.07E-09	6.85E-10	1.00E-09	0.00E+00	1.69E-09
4587	440752.7	3768753	8.12E-09	9.90E-09	0.00E+00	1.80E-08	9.16E-09	1.44E-08	0.00E+00	2.36E-08	1.54E-09	2.45E-09	0.00E+00	3.99E-09	6.72E-10	9.83E-10	0.00E+00	1.65E-09
4588	440752.8	3768783	7.63E-09	9.30E-09	0.00E+00	1.69E-08	8.60E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.30E-09	0.00E+00	3.75E-09	6.31E-10	9.23E-10	0.00E+00	1.55E-09
4589	440752.8	3768793	7.47E-09	9.10E-09	0.00E+00	1.66E-08	8.42E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.26E-09	0.00E+00	3.67E-09	6.17E-10	9.04E-10	0.00E+00	1.52E-09

4590	440719.8	3768595	9.46E-09	1.15E-08	0.00E+00	2.10E-08	1.07E-08	1.68E-08	0.00E+00	2.74E-08	1.79E-09	2.86E-09	0.00E+00	4.65E-09	7.83E-10	1.15E-09	0.00E+00	1.93E-09
4591	440723.6	3768586	9.66E-09	1.18E-08	0.00E+00	2.14E-08	1.09E-08	1.71E-08	0.00E+00	2.80E-08	1.83E-09	2.92E-09	0.00E+00	4.75E-09	7.99E-10	1.17E-09	0.00E+00	1.97E-09
4592	440727.4	3768577	9.85E-09	1.20E-08	0.00E+00	2.19E-08	1.11E-08	1.75E-08	0.00E+00	2.86E-08	1.86E-09	2.98E-09	0.00E+00	4.84E-09	8.15E-10	1.19E-09	0.00E+00	2.01E-09
4593	440731.2	3768568	1.00E-08	1.22E-08	0.00E+00	2.23E-08	1.13E-08	1.78E-08	0.00E+00	2.91E-08	1.90E-09	3.03E-09	0.00E+00	4.93E-09	8.30E-10	1.21E-09	0.00E+00	2.04E-09
4594	440734.9	3768559	1.02E-08	1.25E-08	0.00E+00	2.27E-08	1.15E-08	1.81E-08	0.00E+00	2.96E-08	1.93E-09	3.09E-09	0.00E+00	5.02E-09	8.45E-10	1.24E-09	0.00E+00	2.08E-09
4595	440712.3	3768633	8.73E-09	1.06E-08	0.00E+00	1.94E-08	9.84E-09	1.55E-08	0.00E+00	2.53E-08	1.65E-09	2.64E-09	0.00E+00	4.29E-09	7.22E-10	1.06E-09	0.00E+00	1.78E-09
4596	440712.4	3768643	8.63E-09	1.05E-08	0.00E+00	1.92E-08	9.73E-09	1.53E-08	0.00E+00	2.50E-08	1.63E-09	2.61E-09	0.00E+00	4.24E-09	7.14E-10	1.04E-09	0.00E+00	1.76E-09
4597	440712.4	3768653	8.53E-09	1.04E-08	0.00E+00	1.89E-08	9.62E-09	1.51E-08	0.00E+00	2.47E-08	1.61E-09	2.58E-09	0.00E+00	4.19E-09	7.05E-10	1.03E-09	0.00E+00	1.74E-09
4598	440712.4	3768663	8.42E-09	1.03E-08	0.00E+00	1.87E-08	9.49E-09	1.49E-08	0.00E+00	2.44E-08	1.59E-09	2.54E-09	0.00E+00	4.14E-09	6.96E-10	1.02E-09	0.00E+00	1.72E-09
4599	440712.4	3768673	8.31E-09	1.01E-08	0.00E+00	1.84E-08	9.37E-09	1.47E-08	0.00E+00	2.41E-08	1.57E-09	2.51E-09	0.00E+00	4.08E-09	6.87E-10	1.01E-09	0.00E+00	1.69E-09
4600	440712.5	3768683	8.19E-09	9.99E-09	0.00E+00	1.82E-08	9.24E-09	1.45E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.02E-09	6.77E-10	9.92E-10	0.00E+00	1.67E-09
4601	440712.5	3768693	8.11E-09	9.89E-09	0.00E+00	1.80E-08	9.15E-09	1.44E-08	0.00E+00	2.35E-08	1.53E-09	2.45E-09	0.00E+00	3.98E-09	6.71E-10	9.82E-10	0.00E+00	1.65E-09
4602	440712.5	3768703	7.98E-09	9.73E-09	0.00E+00	1.77E-08	9.00E-09	1.41E-08	0.00E+00	2.31E-08	1.51E-09	2.41E-09	0.00E+00	3.92E-09	6.60E-10	9.66E-10	0.00E+00	1.63E-09
4603	440712.6	3768713	7.85E-09	9.57E-09	0.00E+00	1.74E-08	8.85E-09	1.39E-08	0.00E+00	2.28E-08	1.48E-09	2.37E-09	0.00E+00	3.86E-09	6.49E-10	9.50E-10	0.00E+00	1.60E-09
4604	440712.6	3768723	7.72E-09	9.41E-09	0.00E+00	1.71E-08	8.70E-09	1.37E-08	0.00E+00	2.24E-08	1.46E-09	2.33E-09	0.00E+00	3.79E-09	6.38E-10	9.34E-10	0.00E+00	1.57E-09
4605	440712.6	3768733	7.59E-09	9.25E-09	0.00E+00	1.68E-08	8.55E-09	1.34E-08	0.00E+00	2.20E-08	1.43E-09	2.29E-09	0.00E+00	3.73E-09	6.27E-10	9.18E-10	0.00E+00	1.55E-09
4606	440712.7	3768743	7.45E-09	9.09E-09	0.00E+00	1.65E-08	8.40E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.25E-09	0.00E+00	3.66E-09	6.16E-10	9.02E-10	0.00E+00	1.52E-09
4607	440712.7	3768753	7.32E-09	8.92E-09	0.00E+00	1.62E-08	8.25E-09	1.30E-08	0.00E+00	2.12E-08	1.38E-09	2.21E-09	0.00E+00	3.59E-09	6.05E-10	8.86E-10	0.00E+00	1.49E-09
4608	440712.8	3768783	6.91E-09	8.42E-09	0.00E+00	1.53E-08	7.79E-09	1.22E-08	0.00E+00	2.00E-08	1.31E-09	2.09E-09	0.00E+00	3.39E-09	5.71E-10	8.36E-10	0.00E+00	1.41E-09
4609	440712.8	3768793	6.77E-09	8.26E-09	0.00E+00	1.50E-08	7.63E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.05E-09	0.00E+00	3.33E-09	5.60E-10	8.20E-10	0.00E+00	1.38E-09
4610	440679.8	3768595	8.48E-09	1.03E-08	0.00E+00	1.88E-08	9.56E-09	1.50E-08	0.00E+00	2.46E-08	1.60E-09	2.56E-09	0.00E+00	4.17E-09	7.01E-10	1.03E-09	0.00E+00	1.73E-09
4611	440683.6	3768586	8.65E-09	1.05E-08	0.00E+00	1.92E-08	9.75E-09	1.53E-08	0.00E+00	2.51E-08	1.64E-09	2.61E-09	0.00E+00	4.25E-09	7.16E-10	1.05E-09	0.00E+00	1.76E-09
4612	440687.4	3768577	8.82E-09	1.07E-08	0.00E+00	1.96E-08	9.94E-09	1.56E-08	0.00E+00	2.56E-08	1.67E-09	2.66E-09	0.00E+00	4.33E-09	7.29E-10	1.07E-09	0.00E+00	1.80E-09
4613	440691.2	3768568	8.97E-09	1.09E-08	0.00E+00	1.99E-08	1.01E-08	1.59E-08	0.00E+00	2.60E-08	1.70E-09	2.71E-09	0.00E+00	4.41E-09	7.42E-10	1.09E-09	0.00E+00	1.83E-09
4614	440695	3768559	9.13E-09	1.11E-08	0.00E+00	2.03E-08	1.03E-08	1.62E-08	0.00E+00	2.65E-08	1.73E-09	2.76E-09	0.00E+00	4.48E-09	7.55E-10	1.10E-09	0.00E+00	1.86E-09
4615	440672.3	3768633	7.89E-09	9.62E-09	0.00E+00	1.75E-08	8.89E-09	1.40E-08	0.00E+00	2.29E-08	1.49E-09	2.38E-09	0.00E+00	3.87E-09	6.52E-10	9.55E-10	0.00E+00	1.61E-09
4616	440672.4	3768643	7.80E-09	9.50E-09	0.00E+00	1.73E-08	8.79E-09	1.38E-08	0.00E+00	2.26E-08	1.47E-09	2.36E-09	0.00E+00	3.83E-09	6.45E-10	9.44E-10	0.00E+00	1.59E-09
4617	440672.4	3768653	7.70E-09	9.39E-09	0.00E+00	1.71E-08	8.68E-09	1.36E-08	0.00E+00	2.23E-08	1.46E-09	2.33E-09	0.00E+00	3.78E-09	6.37E-10	9.32E-10	0.00E+00	1.57E-09
4618	440672.4	3768663	7.60E-09	9.27E-09	0.00E+00	1.69E-08	8.57E-09	1.35E-08	0.00E+00	2.20E-08	1.44E-09	2.30E-09	0.00E+00	3.73E-09	6.29E-10	9.20E-10	0.00E+00	1.55E-09
4619	440672.4	3768673	7.50E-09	9.14E-09	0.00E+00	1.66E-08	8.46E-09	1.33E-08	0.00E+00	2.17E-08	1.42E-09	2.27E-09	0.00E+00	3.68E-09	6.20E-10	9.08E-10	0.00E+00	1.53E-09
4620	440672.5	3768683	7.43E-09	9.06E-09	0.00E+00	1.65E-08	8.38E-09	1.32E-08	0.00E+00	2.15E-08	1.40E-09	2.25E-09	0.00E+00	3.65E-09	6.15E-10	8.99E-10	0.00E+00	1.51E-09
4621	440672.5	3768693	7.32E-09	8.93E-09	0.00E+00	1.63E-08	8.26E-09	1.30E-08	0.00E+00	2.12E-08	1.38E-09	2.21E-09	0.00E+00	3.60E-09	6.06E-10	8.86E-10	0.00E+00	1.49E-09
4622	440672.5	3768703	7.21E-09	8.79E-09	0.00E+00	1.60E-08	8.13E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.54E-09	5.96E-10	8.73E-10	0.00E+00	1.47E-09
4623	440672.6	3768713	7.10E-09	8.65E-09	0.00E+00	1.58E-08	8.00E-09	1.26E-08	0.00E+00	2.06E-08	1.34E-09	2.14E-09	0.00E+00	3.49E-09	5.87E-10	8.59E-10	0.00E+00	1.45E-09
4624	440672.6	3768723	6.99E-09	8.52E-09	0.00E+00	1.55E-08	7.87E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.11E-09	0.00E+00	3.43E-09	5.78E-10	8.45E-10	0.00E+00	1.42E-09
4625	440672.6	3768733	6.88E-09	8.38E-09	0.00E+00	1.53E-08	7.75E-09	1.22E-08	0.00E+00	1.99E-08	1.30E-09	2.08E-09	0.00E+00	3.38E-09	5.69E-10	8.32E-10	0.00E+00	1.40E-09
4626	440672.7	3768743	6.76E-09	8.25E-09	0.00E+00	1.50E-08	7.62E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.59E-10	8.19E-10	0.00E+00	1.38E-09
4627	440672.7	3768753	6.65E-09	8.11E-09	0.00E+00	1.48E-08	7.50E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.01E-09	0.00E+00	3.27E-09	5.50E-10	8.05E-10	0.00E+00	1.35E-09
4628	440672.8	3768783	6.30E-09	7.68E-09	0.00E+00	1.40E-08	7.10E-09	1.12E-08	0.00E+00	1.83E-08	1.19E-09	1.90E-09	0.00E+00	3.09E-09	5.21E-10	7.62E-10	0.00E+00	1.28E-09
4629	440672.8	3768793	6.18E-09	7.54E-09	0.00E+00	1.37E-08	6.97E-09	1.10E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.04E-09	5.11E-10	7.48E-10	0.00E+00	1.26E-09
4630	440639.9	3768595	7.66E-09	9.34E-09	0.00E+00	1.70E-08	8.63E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.31E-09	0.00E+00	3.76E-09	6.33E-10	9.27E-10	0.00E+00	1.56E-09
4631	440643.7	3768586	7.80E-09	9.51E-09	0.00E+00	1.73E-08	8.79E-09	1.38E-08	0.00E+00	2.26E-08	1.47E-09	2.36E-09	0.00E+00	3.83E-09	6.45E-10	9.44E-10	0.00E+00	1.59E-09
4632	440647.5	3768577	7.94E-09	9.68E-09	0.00E+00	1.76E-08	8.95E-09	1.41E-08	0.00E+00	2.30E-08	1.50E-09	2.40E-09	0.00E+00	3.90E-09	6.56E-10	9.61E-10	0.00E+00	1.62E-09
4633	440651.3	3768568	8.08E-09	9.85E-09	0.00E+00	1.79E-08	9.10E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.68E-10	9.78E-10	0.00E+00	1.65E-09
4634	440655	3768559	8.21E-09	1.00E-08	0.00E+00	1.82E-08	9.26E-09	1.46E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.03E-09	6.79E-10	9.94E-10	0.00E+00	1.67E-09
4635	441210	3768011	1.01E-08	1.23E-08	0.00E+00	2.23E-08	1.13E-08	1.78E-08	0.00E+00	2.92E-08	1.90E-09	3.04E-09	0.00E+00	4.94E-09	8.32E-10	1.22E-09	0.00E+00	2.05E-09
4636	441219.2	3768007	9.87E-09	1.20E-08	0.00E+00	2.19E-08	1.11E-08	1.75E-08	0.00E+00	2.86E-08	1.87E-09	2.98E-09	0.00E+00	4.85E-09	8.16E-10	1.19E-09	0.00E+00	2.01E-09
4637	441228.4	3768003	9.67E-09	1.18E-08	0.00E+00	2.15E-08	1.09E-08	1.71E-08	0.00E+00	2.80E-08	1.83E-09	2.92E-09	0.00E+00	4.75E-09	8.00E-10	1.17E-09	0.00E+00	1.97E-09
4638	441237.6	3767999	9.48E-09	1.16E-08	0.00E+00	2.10E-08	1.07E-08	1.68E-08	0.00E+00	2.75E-08	1.79E-09	2.86E-09	0.00E+00	4.65E-09	7.83E-10	1.15E-09	0.00E+00	1.93E-09
4639	441246.8	3767996	9.27E-09	1.13E-08	0.00E+00	2.06E-08	1.04E-08	1.64E-08	0.00E+00	2.69E-08	1.75E-09	2.80E-09	0.00E+00	4.55E-09	7.66E-10	1.12E-09	0.00E+00	1.89E-09
4640	440632.3	3768634	7.21E-09	8.79E-09	0.00E+00	1.60E-08	8.13E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.54E-09	5.96E-10	8.73E-10	0.00E+00	1.47E-09
4641	440632.4	3768644	7.13E-09	8.69E-09	0.00E+00	1.58E-08	8.04E-09	1.26E-08	0.00E+00	2.07E-08	1.35E-09	2.15E-09	0.00E+00	3.50E-09	5.89E-10	8.63E-10	0.00E+00	1.45E-09
4642	440632.4	3768654	7.04E-09	8.59E-09	0.00E+00	1.56E-08	7.94E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.13E-09	0.00E+00	3.46E-09	5.82E-10	8.52E-10	0.00E+00	1.43E-09
4643	440632.4	3768664	6.95E-09	8.48E-09	0.00E+00	1.54E-08	7.84E-09	1.23E-08	0.00E+00	2.02E-08	1.31E-09	2.10E-09	0.00E+00	3.41E-09	5.75E-10	8.41E-10	0.00E+00	1.42E-09
4644	440632.4	3768674	6.86E-09	8.36E-09	0.00E+00	1.52E-08	7.73E-09	1.22E-08	0.00E+00	1.99E-08	1.30E-09	2.07E-09	0.00E+00	3.37E-09	5.67E-10	8.30E-10	0.00E+00	1.40E-09
4645	440632.5	3768684	6.77E-09	8.25E-09	0.00E+00	1.50E-08	7.63E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.60E-10	8.19E-10	0.00E+00	1.38E-09
4646	440632.5	3768693	6.67E-09	8.13E-09	0.00E+00	1.48E-08	7.52E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.52E-10	8.07E-10	0.00E+00	1.36E-09
4647	440632.5	3768703	6.57E-09	8.01E-09	0.00E+00	1.46E-08	7.41E-09	1.16E-08	0.00E+00	1.91E-08	1.24E-09	1.99E-09	0.00E+00	3.23E-09	5.44E-10	7.96E-10	0.00E+00	1.34E-09
4648	440632.6	3768713	6.47E-09	7.89E-09	0.00E+00	1.44E-08	7.30E-09	1.15E-08	0.00E+00	1.88E-08	1.22E-09	1.96E-09	0.00E+00	3.18E-09	5.35E-10	7.84E-10	0.00E+00	1.32E-09
4649	440632.6	3768723	6.38E-09	7.77E-09	0.00E+00	1.41E-08	7.19E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.13E-09	5.27E-10	7.72E-10	0.00E+00	1.30E-09
4650	440632.6	3768733	6.28E-09	7.65E-09	0.00E+00	1.39E-08	7.07E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.90E-09	0.00E+00	3.08E-09	5.19E-10	7.60E-10	0.00E+00	1.28E-09
4651	440632.7	3768743	6.18E-09	7.53E-09	0.00E+00	1.37E-08	6.96E-09	1.09E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.03E-09	5.11E-10	7.47E-10	0.00E+00	1.26E-09
4652	440632.7	3768753	6.07E-09	7.40E-09	0.00E+00	1.35E-08	6.84E-09	1.08E-08	0.00E+00	1.76E-08	1.15E-09	1.83E-09	0.00E+00	2.98E-09	5.02E-10	7.35E-10	0.00E+00	1.24E-09
4653	440632.8	3768783	5.76E-09	7.02E-09	0.00E+00	1.28E-08	6.49E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.76E-10	6.97E-10	0.00E+00	1.17E-09
4654	440632.8	3768793	5.66E-09	6.90E-09	0.00E+00	1.26E-08	6.38E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.85E-10	0.00E+00	1.15E-09
4655	440615.1	3768559	7.44E-09	9.07E-09	0.00E+00	1.65E-08	8.38E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.25E-09	0.00E+00	3.65E-09	6.15E-10	9.00E-10	0.00E+00	1.51E-09
4656	441200.9	3767974	9.09E-09	1.11E-08	0.00E+00	2.02E-08	1.03E-08	1.61E-08	0.00E+00	2.64E-08	1.72E-09	2.75E-09	0.00E+00	4.47E-09	7.52E-10	1.10E-09	0.00E+00	1.85E-09
4657	441210.1	3767971	8.93E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.39E-09	7.39E-10	1.08E-09	0.00E+00	1.82E-09
4658	441219.3	3767967	8.76E-09	1.07E-08	0.00E+00	1.94E-08	9.88E-09	1.55E-08	0.00E+00	2.54E-08	1.66E-09	2.65E-09	0.00E+00	4.30E-09	7.24E-10	1.06E-09	0.00E+00	1.78E-09
4659	441228.6	3767963	8.59E-09	1.05E-08	0.00E+00	1.91E-08	9.68E-09	1.52E-08	0.00E+00	2.49E-08	1.62E-09	2.59E-09	0.00E+00	4.22E-09	7.10E-10	1.04E-09	0.00E+00	1.75E-09
4660	441237.8	3767959	8.41E-09	1.03E-08	0.00E+00	1.87E-08	9.48E-09	1.49E-08	0.00E+00	2.44E-08	1.59E-09	2.54E-09	0.00E+00	4.13E-09	6.95E-10	1.02E-09	0.00E+00	1.71E-09
4661	441247	3767956	8.23E-09	1.00E-08	0.00E+00	1.83E-08	9.28E-09	1.46E-08	0.00E+00	2.39E-08	1.56E-09	2.49E-09	0.00E+00	4.04E-09	6.81E-10	9.96E-10	0.00E+00	1.68E-09
4662	440592.3	3768634	6.55E-09	7.99E-09	0.00E+00	1.45E-08	7.39E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.42E-10	7.93E-10	0.00E+00	1.34E-09
4663	440592.4	3768644	6.48E-09	7.90E-09	0.00E+00	1.44E-08	7.30E-09	1.15E-08	0.00E+00	1.88E-08	1.22E-09	1.96E-09	0.00E+00	3.18E-09	5.36E-10	7.84E-10	0.00E+00	1.32E-09
4664	440559.9	3768595	6.35E-09	7.74E-09	0.00E+00	1.41E-08	7.15E-09	1.12E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.12E-09	5.25E-10	7.68E-10	0.00E+00	1.29E-09
4665	440563.7	3768586	6.46E-09	7.87E-09	0.00E+00	1.43E-08	7.28E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.17E-09	5.34E-10	7.81E-10	0.00E+00	1.32E-09
4666	440567.5	3768577	6.57E-09	8.00E-09	0.00E+00	1.46E-08	7.40E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.43E-10	7.95E-10	0.00E+00	1.34E-09
4667	440571.3	3768568	6.67E-09	8.13E-09	0.00E+00	1.48E-08	7.52E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.52E-10	8.08E-10	0.00E+00	1.36E-09
4668	440575.1	3768559	6.78E-09	8.26E-09	0.00E+00	1.50E-08	7.64E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.05E-09	0.00E+00	3.33E-09	5.60E-10	8.20E-10	0.00E+00	1.38E-09
4669	441191.8	3767938	8.29E-09	1.01E-08	0.00E+00	1.84E-08	9.35E-09	1.47E-08	0.00E+00	2.40E-08	1.57E-09	2.50E-09	0.00E+00	4.07E-09	6.86E-10	1.00E-09	0.00E+00	1.69E-09
4670	441201.1	3767934	8.16E-09	9.94E-09	0.00E+00	1.81E-08	9.19E-09	1.45E-08	0.00E+00	2.36E-08	1.54E-09	2.46E-09	0.00E+00	4.01E-09	6.74E-10	9.87E-10	0.00E+00	1.66E-09
4671	441210.3	3767931	8.02E-09	9.78E-09	0.00E+00	1.78E-08	9.04E-09	1.42E-08	0.00E+00	2.33E-08	1.52E-09	2.42E-09	0.00E+00	3.94E-09	6.63E-10	9.71E-10	0.00E+00	1.63E-09
4672	441219.5	3767927	7.86E-09	9.58E-09	0.00E+00	1.74E-08	8.86E-09	1.39E-08	0.00E+00	2.28E-08	1.49E-09	2.37E-09	0.00E+00	3.86E-09	6.50E-10	9.51E-10	0.00E+00	1.60E-09
4673	441228.7	3767923	7.70E-09	9.38E-09	0.00E+00	1.71E-08	8.68E-09	1.36E-08	0.00E+00	2.23E-08	1.45E-09	2.33E-09	0.00E+00	3.78E-09	6.36E-10	9.31E-10	0.00E+00	1.57E-09
4674	441238	3767919	7.54E-09	9.19E-09	0.00E+00	1.67E-08	8.50E-09	1.34E-08	0.00E+00	2.19E-08	1.42E-09	2.28E-09	0.00E+00	3.70E-09	6.23E-10	9.12E-10	0.00E+00	1.54E-09
4675	441247.2	3767916	7.39E-09	9.01E-09	0.00E+00	1.64E-08	8.33E-09	1.31E-08	0.00E+00	2.14E-08	1.40E-09	2.23E-09	0.00E+00	3.63E-09	6.11E-10	8.94E-10	0.00E+00	1.51E-09
4676	440552.3	3768634	6.00E-09	7.31E-09	0.00E+00	1.33E-08	6.76E-09	1.06E-08	0.00E+00	1.74E-08	1.13E-09	1.81E-09	0.00E+00	2.95E-09	4.96E-10	7.26E-10	0.00E+00	1.22E-09
4677	440519.8	3768596	5.82E-09	7.09E-09	0.00E+00	1.29E-08	6.56E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.81E-10	7.04E-10	0.00E+00	1.19E-09
4678	440523.5	3768587	5.91E-09	7.21E-09	0.00E+00	1.31E-08	6.66E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.79E-09	0.00E+00	2.90E-09	4.89E-10	7.15E-10	0.00E+00	1.20E-09
4679	440527.3	3768578	6.01E-09	7.32E-09	0.00E+00	1.33E-08	6.77E-09	1.06E-08	0.00E+00	1.74E-08	1.14E-09	1.81E-09	0.00E+00	2.95E-09	4.97E-10	7.27E-10	0.00E+00	1.22E-09
4680	440531	3768569	6.10E-09	7.44E-09	0.00E+00	1.35E-08	6.88E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	3.00E-09	5.04E-10	7.38E-10	0.00E+00	1.24E-09
4681	441193.1	3767898	7.46E-09	9.10E-09	0.00E+00	1.66E-08	8.41E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.26E-09	0.00E+00	3.67E-09	6.17E-10	9.03E-10	0.00E+00	1.52E-09
4682	441202.2	3767894	7.35E-09	8.96E-09	0.00E+00	1.63E-08	8.28E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.22E-09	0.00E+00	3.61E-09	6.08E-10	8.89E-10	0.00E+00	1.50E-09
4683	441211.3	3767890	7.23E-09	8.81E-09	0.00E+00	1.60E-08	8.15E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.18E-09	0.00E+00	3.55E-09	5.98E-10	8.75E-10	0.00E+00	1.47E-09
4684	441220.3	3767887	7.10E-09	8.65E-09	0.00E+00	1.57E-08	8.00E-09	1.26E-08	0.00E+00	2.06E-08	1.34E-09	2.14E-09	0.00E+00	3.49E-09	5.87E-10	8.59E-10	0.00E+00	1.45E-09
4685	441229.4	3767883	6.97E-09	8.50E-09	0.00E+00	1.55E-08	7.86E-09	1.24E-08	0.00E+00	2.02E-08	1.32E-09	2.11E-09	0.00E+00	3.42E-09	5.76E-10	8.44E-10	0.00E+00	1.42E-09
4686	441238.5	3767879	6.85E-09	8.35E-09	0.00E+00	1.52E-08	7.72E-09	1.21E-08	0.00E+00	1.99E-08	1.29E-09	2.07E-09	0.00E+00	3.36E-09	5.66E-10	8.29E-10	0.00E+00	1.40E-09
4687	441247.6	3767876	6.73E-09	8.21E-09	0.00E+00	1.49E-08	7.59E-09	1.19E-08	0.00E+00	1.95E-08	1.27E-09	2.03E-09	0.00E+00	3.31E-09	5.57E-10	8.15E-10	0.00E+00	1.37E-09
4688	440512.3	3768634	5.52E-09	6.73E-09	0.00E+00	1.22E-08	6.22E-09	9.78E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.56E-10	6.68E-10	0.00E+00	1.12E-09
4689	440476	3768605	5.27E-09	6.43E-09	0.00E+00	1.17E-08	5.94E-09	9.35E-09	0.00E+00	1.53E-08	9.97E-10	1.59E-09	0.00E+00	2.59E-09	4.36E-10	6.38E-10	0.00E+00	1.07E-09
4690	440479.8	3768596	5.36E-09	6.53E-09	0.00E+00	1.19E-08	6.04E-09	9.49E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.48E-10	0.00E+00	1.09E-09
4691	440483.5	3768587	5.44E-09	6.63E-09	0.00E+00	1.21E-08	6.13E-09	9.64E-09	0.00E+00	1.58E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.50E-10	6.59E-10	0.00E+00	1.11E-09
4692	440487.3	3768578	5.53E-09	6.74E-09	0.00E+00	1.23E-08	6.23E-09	9.79E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.57E-10	6.69E-10	0.00E+00	1.13E-09
4693	440491.1	3768569	5.61E-09	6.84E-09	0.00E+00	1.25E-08	6.32E-09	9.94E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.64E-10	6.79E-10	0.00E+00	1.14E-09
4694	441193.2	3767858	6.79E-09	8.28E-09	0.00E+00	1.51E-08	7.66E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.34E-09	5.62E-10	8.22E-10	0.00E+00	1.38E-09
4695	441202.3	3767854	6.71E-09	8.18E-09	0.00E+00	1.49E-08	7.56E-09	1.19E-08	0.00E+00	1.95E-08	1.27E-09	2.03E-09	0.00E+00	3.30E-09	5.55E-10	8.12E-10	0.00E+00	1.37E-09
4696	441211.4	3767850	6.63E-09	8.08E-09	0.00E+00	1.47E-08	7.47E-09	1.17E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.26E-09	5.48E-10	8.02E-10	0.00E+00	1.35E-09
4697	441220.5	3767847	6.52E-09	7.95E-09	0.00E+00	1.45E-08	7.35E-09	1.16E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.39E-10	7.89E-10	0.00E+00	1.33E-09
4698	441229.6	3767843	6.41E-09	7.81E-09	0.00E+00	1.42E-08	7.22E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.30E-10	7.76E-10	0.00E+00	1.31E-09
4699	441238.7	3767839	6.30E-09	7.68E-09	0.00E+00	1.40E-08	7.10E-09	1.12E-08	0.00E+00	1.83E-08	1.19E-09	1.90E-09	0.00E+00	3.09E-09	5.21E-10	7.63E-10	0.00E+00	1.28E-09
4700	441247.8	3767836	6.19E-09	7.55E-09	0.00E+00	1.37E-08	6.98E-09	1.10E-08	0.00E+00	1.80E-08	1.17E-09	1.87E-09	0.00E+00	3.04E-09	5.12E-10	7.50E-10	0.00E+00	1.26E-09
4701	440472.3	3768614	5.19E-09	6.33E-09	0.00E+00	1.15E-08	5.85E-09	9.20E-09	0.00E+00	1.50E-08	9.81E-10	1.57E-09	0.00E+00	2.55E-09	4.29E-10	6.28E-10	0.00E+00	1.06E-09

4702	440472.3	3768624	5.14E-09	6.27E-09	0.00E+00	1.14E-08	5.80E-09	9.11E-09	0.00E+00	1.49E-08	9.72E-10	1.55E-09	0.00E+00	2.53E-09	4.25E-10	6.22E-10	0.00E+00	1.05E-09
4703	440472.3	3768634	5.09E-09	6.21E-09	0.00E+00	1.13E-08	5.74E-09	9.02E-09	0.00E+00	1.48E-08	9.63E-10	1.54E-09	0.00E+00	2.50E-09	4.21E-10	6.16E-10	0.00E+00	1.04E-09
4704	440436	3768605	4.87E-09	5.94E-09	0.00E+00	1.08E-08	5.49E-09	8.64E-09	0.00E+00	1.41E-08	9.21E-10	1.47E-09	0.00E+00	2.39E-09	4.03E-10	5.90E-10	0.00E+00	9.93E-10
4705	440439.8	3768596	4.95E-09	6.03E-09	0.00E+00	1.10E-08	5.58E-09	8.77E-09	0.00E+00	1.43E-08	9.35E-10	1.49E-09	0.00E+00	2.43E-09	4.09E-10	5.99E-10	0.00E+00	1.01E-09
4706	440443.6	3768587	5.02E-09	6.12E-09	0.00E+00	1.11E-08	5.66E-09	8.90E-09	0.00E+00	1.46E-08	9.49E-10	1.52E-09	0.00E+00	2.47E-09	4.15E-10	6.08E-10	0.00E+00	1.02E-09
4707	440447.3	3768578	5.10E-09	6.21E-09	0.00E+00	1.13E-08	5.74E-09	9.03E-09	0.00E+00	1.48E-08	9.63E-10	1.54E-09	0.00E+00	2.50E-09	4.21E-10	6.17E-10	0.00E+00	1.04E-09
4708	440451.1	3768569	5.17E-09	6.30E-09	0.00E+00	1.15E-08	5.83E-09	9.16E-09	0.00E+00	1.50E-08	9.77E-10	1.56E-09	0.00E+00	2.54E-09	4.27E-10	6.26E-10	0.00E+00	1.05E-09
4709	440473.7	3768514	5.60E-09	6.83E-09	0.00E+00	1.24E-08	6.32E-09	9.93E-09	0.00E+00	1.62E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.63E-10	6.78E-10	0.00E+00	1.14E-09
4710	440477.5	3768505	5.67E-09	6.92E-09	0.00E+00	1.26E-08	6.40E-09	1.01E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.79E-09	4.69E-10	6.87E-10	0.00E+00	1.16E-09
4711	440481.2	3768496	5.74E-09	7.00E-09	0.00E+00	1.27E-08	6.47E-09	1.02E-08	0.00E+00	1.66E-08	1.09E-09	1.73E-09	0.00E+00	2.82E-09	4.75E-10	6.95E-10	0.00E+00	1.17E-09
4712	440485	3768487	5.81E-09	7.08E-09	0.00E+00	1.29E-08	6.55E-09	1.03E-08	0.00E+00	1.68E-08	1.10E-09	1.75E-09	0.00E+00	2.85E-09	4.80E-10	7.03E-10	0.00E+00	1.18E-09
4713	440488.8	3768478	5.87E-09	7.16E-09	0.00E+00	1.30E-08	6.62E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.77E-09	0.00E+00	2.88E-09	4.86E-10	7.11E-10	0.00E+00	1.20E-09
4714	440492.5	3768468	5.94E-09	7.25E-09	0.00E+00	1.32E-08	6.70E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.80E-09	0.00E+00	2.92E-09	4.91E-10	7.19E-10	0.00E+00	1.21E-09
4715	440515.1	3768414	6.37E-09	7.76E-09	0.00E+00	1.41E-08	7.18E-09	1.13E-08	0.00E+00	1.85E-08	1.20E-09	1.92E-09	0.00E+00	3.13E-09	5.26E-10	7.70E-10	0.00E+00	1.30E-09
4716	440518.9	3768405	6.43E-09	7.84E-09	0.00E+00	1.43E-08	7.25E-09	1.14E-08	0.00E+00	1.86E-08	1.22E-09	1.94E-09	0.00E+00	3.16E-09	5.32E-10	7.78E-10	0.00E+00	1.31E-09
4717	440522.7	3768396	6.49E-09	7.91E-09	0.00E+00	1.44E-08	7.32E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.19E-09	5.37E-10	7.86E-10	0.00E+00	1.32E-09
4718	440526.4	3768386	6.56E-09	7.99E-09	0.00E+00	1.45E-08	7.39E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.42E-10	7.93E-10	0.00E+00	1.34E-09
4719	440530.2	3768377	6.62E-09	8.07E-09	0.00E+00	1.47E-08	7.46E-09	1.17E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.25E-09	5.47E-10	8.01E-10	0.00E+00	1.35E-09
4720	440534	3768368	6.68E-09	8.15E-09	0.00E+00	1.48E-08	7.53E-09	1.18E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.53E-10	8.09E-10	0.00E+00	1.36E-09
4721	440537.7	3768359	6.75E-09	8.22E-09	0.00E+00	1.50E-08	7.60E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.31E-09	5.58E-10	8.16E-10	0.00E+00	1.37E-09
4722	440541.5	3768350	6.81E-09	8.30E-09	0.00E+00	1.51E-08	7.68E-09	1.21E-08	0.00E+00	1.97E-08	1.29E-09	2.06E-09	0.00E+00	3.34E-09	5.63E-10	8.24E-10	0.00E+00	1.39E-09
4723	440545.2	3768341	6.87E-09	8.38E-09	0.00E+00	1.52E-08	7.75E-09	1.22E-08	0.00E+00	1.99E-08	1.30E-09	2.08E-09	0.00E+00	3.38E-09	5.68E-10	8.32E-10	0.00E+00	1.40E-09
4724	440549	3768332	6.93E-09	8.45E-09	0.00E+00	1.54E-08	7.82E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.09E-09	0.00E+00	3.41E-09	5.73E-10	8.39E-10	0.00E+00	1.41E-09
4725	440552.8	3768323	7.00E-09	8.53E-09	0.00E+00	1.55E-08	7.89E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.11E-09	0.00E+00	3.44E-09	5.78E-10	8.47E-10	0.00E+00	1.43E-09
4726	440556.5	3768314	7.06E-09	8.60E-09	0.00E+00	1.57E-08	7.96E-09	1.25E-08	0.00E+00	2.05E-08	1.33E-09	2.13E-09	0.00E+00	3.47E-09	5.84E-10	8.54E-10	0.00E+00	1.44E-09
4727	440560.3	3768304	7.12E-09	8.68E-09	0.00E+00	1.58E-08	8.03E-09	1.26E-08	0.00E+00	2.06E-08	1.35E-09	2.15E-09	0.00E+00	3.50E-09	5.89E-10	8.62E-10	0.00E+00	1.45E-09
4728	440564.1	3768295	7.18E-09	8.75E-09	0.00E+00	1.59E-08	8.09E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.94E-10	8.69E-10	0.00E+00	1.46E-09
4729	440567.8	3768286	7.23E-09	8.82E-09	0.00E+00	1.61E-08	8.15E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.19E-09	0.00E+00	3.55E-09	5.98E-10	8.75E-10	0.00E+00	1.47E-09
4730	440571.6	3768277	7.29E-09	8.88E-09	0.00E+00	1.62E-08	8.21E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.58E-09	6.02E-10	8.82E-10	0.00E+00	1.48E-09
4731	440575.4	3768268	7.34E-09	8.94E-09	0.00E+00	1.63E-08	8.27E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.22E-09	0.00E+00	3.60E-09	6.07E-10	8.88E-10	0.00E+00	1.49E-09
4732	441156.8	3767833	6.63E-09	8.08E-09	0.00E+00	1.47E-08	7.47E-09	1.18E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.26E-09	5.48E-10	8.03E-10	0.00E+00	1.35E-09
4733	441165.9	3767829	6.53E-09	7.96E-09	0.00E+00	1.45E-08	7.36E-09	1.16E-08	0.00E+00	1.89E-08	1.24E-09	1.97E-09	0.00E+00	3.21E-09	5.40E-10	7.91E-10	0.00E+00	1.33E-09
4734	441193.3	3767818	6.27E-09	7.64E-09	0.00E+00	1.39E-08	7.06E-09	1.11E-08	0.00E+00	1.82E-08	1.18E-09	1.89E-09	0.00E+00	3.08E-09	5.18E-10	7.59E-10	0.00E+00	1.28E-09
4735	441202.4	3767814	6.18E-09	7.54E-09	0.00E+00	1.37E-08	6.97E-09	1.10E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.04E-09	5.11E-10	7.48E-10	0.00E+00	1.26E-09
4736	441211.5	3767810	6.09E-09	7.43E-09	0.00E+00	1.35E-08	6.87E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.04E-10	7.37E-10	0.00E+00	1.24E-09
4737	441220.7	3767807	5.99E-09	7.30E-09	0.00E+00	1.33E-08	6.75E-09	1.06E-08	0.00E+00	1.74E-08	1.13E-09	1.81E-09	0.00E+00	2.94E-09	4.95E-10	7.25E-10	0.00E+00	1.22E-09
4738	441229.8	3767803	5.89E-09	7.18E-09	0.00E+00	1.31E-08	6.64E-09	1.04E-08	0.00E+00	1.71E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.87E-10	7.13E-10	0.00E+00	1.20E-09
4739	441238.9	3767799	5.79E-09	7.06E-09	0.00E+00	1.29E-08	6.53E-09	1.03E-08	0.00E+00	1.68E-08	1.09E-09	1.75E-09	0.00E+00	2.84E-09	4.79E-10	7.01E-10	0.00E+00	1.18E-09
4740	441248	3767796	5.69E-09	6.94E-09	0.00E+00	1.26E-08	6.41E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.79E-09	4.70E-10	6.89E-10	0.00E+00	1.16E-09
4741	440432.3	3768614	4.80E-09	5.85E-09	0.00E+00	1.06E-08	5.41E-09	8.50E-09	0.00E+00	1.39E-08	9.07E-10	1.45E-09	0.00E+00	2.36E-09	3.97E-10	5.81E-10	0.00E+00	9.78E-10
4742	440432.3	3768624	4.75E-09	5.80E-09	0.00E+00	1.06E-08	5.36E-09	8.43E-09	0.00E+00	1.38E-08	8.99E-10	1.44E-09	0.00E+00	2.34E-09	3.93E-10	5.75E-10	0.00E+00	9.69E-10
4743	440432.3	3768634	4.71E-09	5.74E-09	0.00E+00	1.05E-08	5.31E-09	8.35E-09	0.00E+00	1.37E-08	8.90E-10	1.42E-09	0.00E+00	2.31E-09	3.89E-10	5.70E-10	0.00E+00	9.59E-10
4744	440396	3768605	4.52E-09	5.52E-09	0.00E+00	1.00E-08	5.10E-09	8.02E-09	0.00E+00	1.31E-08	8.55E-10	1.37E-09	0.00E+00	2.22E-09	3.74E-10	5.48E-10	0.00E+00	9.22E-10
4745	440399.8	3768596	4.59E-09	5.60E-09	0.00E+00	1.02E-08	5.18E-09	8.14E-09	0.00E+00	1.33E-08	8.68E-10	1.39E-09	0.00E+00	2.25E-09	3.80E-10	5.56E-10	0.00E+00	9.35E-10
4746	440403.6	3768587	4.66E-09	5.68E-09	0.00E+00	1.03E-08	5.25E-09	8.25E-09	0.00E+00	1.35E-08	8.81E-10	1.41E-09	0.00E+00	2.29E-09	3.85E-10	5.64E-10	0.00E+00	9.49E-10
4747	440407.4	3768578	4.72E-09	5.76E-09	0.00E+00	1.05E-08	5.33E-09	8.37E-09	0.00E+00	1.37E-08	8.93E-10	1.43E-09	0.00E+00	2.32E-09	3.91E-10	5.72E-10	0.00E+00	9.62E-10
4748	440411.1	3768569	4.79E-09	5.84E-09	0.00E+00	1.06E-08	5.40E-09	8.49E-09	0.00E+00	1.39E-08	9.06E-10	1.45E-09	0.00E+00	2.35E-09	3.96E-10	5.80E-10	0.00E+00	9.76E-10
4749	440414.9	3768560	4.86E-09	5.92E-09	0.00E+00	1.08E-08	5.47E-09	8.61E-09	0.00E+00	1.41E-08	9.18E-10	1.47E-09	0.00E+00	2.39E-09	4.02E-10	5.88E-10	0.00E+00	9.89E-10
4750	440418.7	3768550	4.92E-09	6.00E-09	0.00E+00	1.09E-08	5.55E-09	8.72E-09	0.00E+00	1.43E-08	9.31E-10	1.49E-09	0.00E+00	2.42E-09	4.07E-10	5.96E-10	0.00E+00	1.00E-09
4751	440422.5	3768541	4.99E-09	6.08E-09	0.00E+00	1.11E-08	5.62E-09	8.84E-09	0.00E+00	1.45E-08	9.43E-10	1.51E-09	0.00E+00	2.45E-09	4.13E-10	6.04E-10	0.00E+00	1.02E-09
4752	440433.8	3768514	5.19E-09	6.32E-09	0.00E+00	1.15E-08	5.85E-09	9.19E-09	0.00E+00	1.50E-08	9.81E-10	1.57E-09	0.00E+00	2.55E-09	4.29E-10	6.28E-10	0.00E+00	1.06E-09
4753	440437.5	3768505	5.25E-09	6.40E-09	0.00E+00	1.17E-08	5.92E-09	9.30E-09	0.00E+00	1.52E-08	9.93E-10	1.59E-09	0.00E+00	2.58E-09	4.34E-10	6.35E-10	0.00E+00	1.07E-09
4754	440441.3	3768496	5.31E-09	6.48E-09	0.00E+00	1.18E-08	5.99E-09	9.42E-09	0.00E+00	1.54E-08	1.00E-09	1.61E-09	0.00E+00	2.61E-09	4.39E-10	6.43E-10	0.00E+00	1.08E-09
4755	440445.1	3768487	5.38E-09	6.55E-09	0.00E+00	1.19E-08	6.06E-09	9.53E-09	0.00E+00	1.56E-08	1.02E-09	1.62E-09	0.00E+00	2.64E-09	4.44E-10	6.51E-10	0.00E+00	1.09E-09
4756	440448.9	3768477	5.44E-09	6.63E-09	0.00E+00	1.21E-08	6.13E-09	9.63E-09	0.00E+00	1.58E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.50E-10	6.58E-10	0.00E+00	1.11E-09
4757	440452.6	3768468	5.50E-09	6.71E-09	0.00E+00	1.22E-08	6.20E-09	9.75E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.55E-10	6.66E-10	0.00E+00	1.12E-09
4758	440475.3	3768414	5.88E-09	7.17E-09	0.00E+00	1.30E-08	6.63E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.86E-10	7.11E-10	0.00E+00	1.20E-09
4759	440479	3768404	5.94E-09	7.24E-09	0.00E+00	1.32E-08	6.69E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.79E-09	0.00E+00	2.92E-09	4.91E-10	7.19E-10	0.00E+00	1.21E-09
4760	440482.8	3768395	6.00E-09	7.31E-09	0.00E+00	1.33E-08	6.76E-09	1.06E-08	0.00E+00	1.74E-08	1.13E-09	1.81E-09	0.00E+00	2.95E-09	4.96E-10	7.26E-10	0.00E+00	1.22E-09
4761	440486.6	3768386	6.05E-09	7.38E-09	0.00E+00	1.34E-08	6.82E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.83E-09	0.00E+00	2.97E-09	5.00E-10	7.33E-10	0.00E+00	1.23E-09
4762	440490.4	3768377	6.11E-09	7.45E-09	0.00E+00	1.36E-08	6.89E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.85E-09	0.00E+00	3.00E-09	5.05E-10	7.39E-10	0.00E+00	1.24E-09
4763	440494.1	3768368	6.16E-09	7.51E-09	0.00E+00	1.37E-08	6.95E-09	1.09E-08	0.00E+00	1.79E-08	1.17E-09	1.86E-09	0.00E+00	3.03E-09	5.10E-10	7.46E-10	0.00E+00	1.26E-09
4764	440497.9	3768359	6.22E-09	7.58E-09	0.00E+00	1.38E-08	7.01E-09	1.10E-08	0.00E+00	1.80E-08	1.18E-09	1.88E-09	0.00E+00	3.06E-09	5.14E-10	7.53E-10	0.00E+00	1.27E-09
4765	440501.7	3768350	6.28E-09	7.66E-09	0.00E+00	1.39E-08	7.08E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.90E-09	0.00E+00	3.08E-09	5.19E-10	7.60E-10	0.00E+00	1.28E-09
4766	440505.5	3768341	6.34E-09	7.73E-09	0.00E+00	1.41E-08	7.15E-09	1.12E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.11E-09	5.24E-10	7.67E-10	0.00E+00	1.29E-09
4767	440509.2	3768331	6.40E-09	7.80E-09	0.00E+00	1.42E-08	7.21E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.29E-10	7.74E-10	0.00E+00	1.30E-09
4768	440513	3768322	6.46E-09	7.87E-09	0.00E+00	1.43E-08	7.28E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.17E-09	5.34E-10	7.82E-10	0.00E+00	1.32E-09
4769	440516.8	3768313	6.52E-09	7.95E-09	0.00E+00	1.45E-08	7.35E-09	1.16E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.39E-10	7.89E-10	0.00E+00	1.33E-09
4770	440520.5	3768304	6.58E-09	8.03E-09	0.00E+00	1.46E-08	7.42E-09	1.17E-08	0.00E+00	1.91E-08	1.24E-09	1.99E-09	0.00E+00	3.23E-09	5.44E-10	7.97E-10	0.00E+00	1.34E-09
4771	440524.3	3768295	6.64E-09	8.09E-09	0.00E+00	1.47E-08	7.48E-09	1.18E-08	0.00E+00	1.92E-08	1.25E-09	2.01E-09	0.00E+00	3.26E-09	5.49E-10	8.03E-10	0.00E+00	1.35E-09
4772	440528.1	3768286	6.69E-09	8.15E-09	0.00E+00	1.48E-08	7.54E-09	1.19E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.29E-09	5.53E-10	8.10E-10	0.00E+00	1.36E-09
4773	440531.9	3768277	6.74E-09	8.22E-09	0.00E+00	1.50E-08	7.60E-09	1.19E-08	0.00E+00	1.95E-08	1.27E-09	2.04E-09	0.00E+00	3.31E-09	5.57E-10	8.16E-10	0.00E+00	1.37E-09
4774	440535.6	3768267	6.79E-09	8.28E-09	0.00E+00	1.51E-08	7.65E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.33E-09	5.61E-10	8.22E-10	0.00E+00	1.38E-09
4775	440539.4	3768258	6.84E-09	8.33E-09	0.00E+00	1.52E-08	7.70E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.07E-09	0.00E+00	3.36E-09	5.65E-10	8.27E-10	0.00E+00	1.39E-09
4776	440543.2	3768249	6.88E-09	8.39E-09	0.00E+00	1.53E-08	7.76E-09	1.22E-08	0.00E+00	2.00E-08	1.30E-09	2.08E-09	0.00E+00	3.38E-09	5.69E-10	8.33E-10	0.00E+00	1.40E-09
4777	440547	3768240	6.93E-09	8.45E-09	0.00E+00	1.54E-08	7.81E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.09E-09	0.00E+00	3.40E-09	5.73E-10	8.38E-10	0.00E+00	1.41E-09
4778	440550.7	3768231	6.96E-09	8.49E-09	0.00E+00	1.55E-08	7.85E-09	1.23E-08	0.00E+00	2.02E-08	1.32E-09	2.10E-09	0.00E+00	3.42E-09	5.76E-10	8.43E-10	0.00E+00	1.42E-09
4779	440554.5	3768222	7.00E-09	8.53E-09	0.00E+00	1.55E-08	7.89E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.11E-09	0.00E+00	3.44E-09	5.78E-10	8.47E-10	0.00E+00	1.43E-09
4780	440558.3	3768213	7.03E-09	8.57E-09	0.00E+00	1.56E-08	7.92E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.81E-10	8.51E-10	0.00E+00	1.43E-09
4781	440562	3768204	7.07E-09	8.62E-09	0.00E+00	1.57E-08	7.97E-09	1.25E-08	0.00E+00	2.05E-08	1.34E-09	2.14E-09	0.00E+00	3.47E-09	5.85E-10	8.56E-10	0.00E+00	1.44E-09
4782	440565.8	3768194	7.11E-09	8.67E-09	0.00E+00	1.58E-08	8.02E-09	1.26E-08	0.00E+00	2.06E-08	1.34E-09	2.15E-09	0.00E+00	3.49E-09	5.88E-10	8.61E-10	0.00E+00	1.45E-09
4783	440569.6	3768185	7.15E-09	8.72E-09	0.00E+00	1.59E-08	8.06E-09	1.27E-08	0.00E+00	2.07E-08	1.35E-09	2.16E-09	0.00E+00	3.51E-09	5.91E-10	8.65E-10	0.00E+00	1.46E-09
4784	440573.4	3768176	7.19E-09	8.76E-09	0.00E+00	1.59E-08	8.10E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.94E-10	8.70E-10	0.00E+00	1.46E-09
4785	440699.9	3767980	7.78E-09	9.49E-09	0.00E+00	1.73E-08	8.77E-09	1.38E-08	0.00E+00	2.26E-08	1.47E-09	2.35E-09	0.00E+00	3.82E-09	6.44E-10	9.42E-10	0.00E+00	1.59E-09
4786	440709	3767977	7.83E-09	9.55E-09	0.00E+00	1.74E-08	8.83E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.37E-09	0.00E+00	3.85E-09	6.48E-10	9.48E-10	0.00E+00	1.60E-09
4787	440718.2	3767973	7.88E-09	9.61E-09	0.00E+00	1.75E-08	8.89E-09	1.40E-08	0.00E+00	2.29E-08	1.49E-09	2.38E-09	0.00E+00	3.87E-09	6.52E-10	9.54E-10	0.00E+00	1.61E-09
4788	440727.3	3767969	7.93E-09	9.66E-09	0.00E+00	1.76E-08	8.94E-09	1.40E-08	0.00E+00	2.30E-08	1.50E-09	2.40E-09	0.00E+00	3.89E-09	6.55E-10	9.59E-10	0.00E+00	1.61E-09
4789	440736.4	3767965	7.97E-09	9.72E-09	0.00E+00	1.77E-08	8.98E-09	1.41E-08	0.00E+00	2.31E-08	1.51E-09	2.41E-09	0.00E+00	3.91E-09	6.59E-10	9.65E-10	0.00E+00	1.62E-09
4790	440763.9	3767954	8.11E-09	9.88E-09	0.00E+00	1.80E-08	9.14E-09	1.44E-08	0.00E+00	2.35E-08	1.53E-09	2.45E-09	0.00E+00	3.98E-09	6.70E-10	9.81E-10	0.00E+00	1.65E-09
4791	440773	3767950	8.14E-09	9.93E-09	0.00E+00	1.81E-08	9.18E-09	1.44E-08	0.00E+00	2.36E-08	1.54E-09	2.46E-09	0.00E+00	4.00E-09	6.73E-10	9.86E-10	0.00E+00	1.66E-09
4792	440837	3767924	8.23E-09	1.00E-08	0.00E+00	1.83E-08	9.28E-09	1.46E-08	0.00E+00	2.39E-08	1.56E-09	2.49E-09	0.00E+00	4.04E-09	6.81E-10	9.96E-10	0.00E+00	1.68E-09
4793	440846.1	3767920	8.23E-09	1.00E-08	0.00E+00	1.83E-08	9.28E-09	1.46E-08	0.00E+00	2.39E-08	1.56E-09	2.49E-09	0.00E+00	4.04E-09	6.81E-10	9.97E-10	0.00E+00	1.68E-09
4794	440855.3	3767917	8.23E-09	1.00E-08	0.00E+00	1.83E-08	9.28E-09	1.46E-08	0.00E+00	2.39E-08	1.56E-09	2.49E-09	0.00E+00	4.04E-09	6.81E-10	9.96E-10	0.00E+00	1.68E-09
4795	440864.4	3767913	8.22E-09	1.00E-08	0.00E+00	1.82E-08	9.27E-09	1.46E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.04E-09	6.80E-10	9.95E-10	0.00E+00	1.68E-09
4796	440873.5	3767909	8.21E-09	1.00E-08	0.00E+00	1.82E-08	9.25E-09	1.45E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.03E-09	6.79E-10	9.94E-10	0.00E+00	1.67E-09
4797	440882.7	3767905	8.19E-09	9.98E-09	0.00E+00	1.82E-08	9.23E-09	1.45E-08	0.00E+00	2.37E-08	1.55E-09	2.47E-09	0.00E+00	4.02E-09	6.77E-10	9.91E-10	0.00E+00	1.67E-09
4798	440891.8	3767902	8.17E-09	9.96E-09	0.00E+00	1.81E-08	9.21E-09	1.45E-08	0.00E+00	2.37E-08	1.54E-09	2.47E-09	0.00E+00	4.01E-09	6.75E-10	9.88E-10	0.00E+00	1.66E-09
4799	440901	3767898	8.14E-09	9.93E-09	0.00E+00	1.81E-08	9.18E-09	1.44E-08	0.00E+00	2.36E-08	1.54E-09	2.46E-09	0.00E+00	4.00E-09	6.73E-10	9.86E-10	0.00E+00	1.66E-09
4800	440910.1	3767894	8.12E-09	9.90E-09	0.00E+00	1.80E-08	9.15E-09	1.44E-08	0.00E+00	2.35E-08	1.53E-09	2.45E-09	0.00E+00	3.99E-09	6.71E-10	9.82E-10	0.00E+00	1.65E-09
4801	440928.4	3767887	8.05E-09	9.82E-09	0.00E+00	1.79E-08	9.08E-09	1.43E-08	0.00E+00	2.33E-08	1.52E-09	2.43E-09	0.00E+00	3.95E-09	6.66E-10	9.74E-10	0.00E+00	1.64E-09
4802	440937.5	3767883	8.01E-09	9.76E-09	0.00E+00	1.78E-08	9.03E-09	1.42E-08	0.00E+00	2.32E-08	1.51E-09	2.42E-09	0.00E+00	3.93E-09	6.62E-10	9.69E-10	0.00E+00	1.63E-09
4803	440946.7	3767879	7.95E-09	9.69E-09	0.00E+00	1.76E-08	8.96E-09	1.41E-08	0.00E+00	2.30E-08	1.50E-09	2.40E-09	0.00E+00	3.90E-09	6.57E-10	9.62E-10	0.00E+00	1.62E-09
4804	440955.8	3767875	7.89E-09	9.62E-09	0.00E+00	1.75E-08	8.89E-09	1.40E-08	0.00E+00	2.29E-08	1.49E-09	2.38E-09	0.00E+00	3.88E-09	6.52E-10	9.55E-10	0.00E+00	1.61E-09
4805	440964.9	3767872	7.83E-09	9.55E-09	0.00E+00	1.74E-08	8.83E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.37E-09	0.00E+00	3.85E-09	6.48E-10	9.48E-10	0.00E+00	1.60E-09
4806	440974.1	3767868	7.77E-09	9.48E-09	0.00E+00	1.73E-08	8.76E-09	1.38E-08	0.00E+00	2.25E-08	1.47E-09	2.35E-09	0.00E+00	3.82E-09	6.43E-10	9.41E-10	0.00E+00	1.58E-09
4807	441001.5	3767857	7.57E-09	9.23E-09	0.00E+00	1.68E-08	8.53E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.29E-09	0.00E+00	3.72E-09	6.26E-10	9.16E-10	0.00E+00	1.54E-09
4808	441010.6	3767853	7.49E-09	9.13E-09	0.00E+00	1.66E-08	8.44E-09	1.33E-08	0.00E+00	2.17E-08	1.42E-09	2.26E-09	0.00E+00	3.68E-09	6.19E-10	9.06E-10	0.00E+00	1.53E-09
4809	441019.8	3767849	7.41E-09	9.03E-09	0.00E+00	1.64E-08	8.35E-09	1.31E-08	0.00E+00	2.15E-08	1.40E-09	2.24E-09	0.00E+00	3.64E-09	6.12E-10	8.96E-10	0.00E+00	1.51E-09
4810	441028.9	3767845	7.32E-09	8.92E-09	0.00E+00	1.62E-08	8.25E-09	1.30E-08	0.00E+00	2.12E-08	1.38E-09	2.21E-09	0.00E+00	3.60E-09	6.05E-10	8.86E-10	0.00E+00	1.49E-09
4811	441038	3767842	7.24E-09	8.83E-09	0.00E+00	1.61E-08	8.16E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.19E-09	0.00E+00	3.56E-09	5.99E-10	8.76E-10	0.00E+00	1.48E-09
4812	441047.2	3767838	7.16E-09	8.73E-09	0.00E+00	1.59E-08	8.07E-09	1.27E-08	0.00E+00	2.08E-08	1.35E-09	2.16E-09	0.00E+00	3.52E-09	5.92E-10	8.67E-10	0.00E+00	1.46E-09
4813	441056.3	3767834	7.08E-09	8.63E-09	0.00E+00	1.57E-08	7.98E-09	1.25E-08	0.00E+00	2.05E-08	1.34E-09	2.14E-09	0.00E+00	3.48E-09	5.86E-10	8.57E-10	0.00E+00	1.44E-09

4814	441065.5	3767830	7.00E-09	8.54E-09	0.00E+00	1.55E-08	7.90E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.12E-09	0.00E+00	3.44E-09	5.79E-10	8.48E-10	0.00E+00	1.43E-09
4815	441074.6	3767827	6.93E-09	8.45E-09	0.00E+00	1.54E-08	7.81E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.09E-09	0.00E+00	3.40E-09	5.73E-10	8.39E-10	0.00E+00	1.41E-09
4816	441083.7	3767823	6.85E-09	8.36E-09	0.00E+00	1.52E-08	7.73E-09	1.21E-08	0.00E+00	1.99E-08	1.30E-09	2.07E-09	0.00E+00	3.37E-09	5.67E-10	8.29E-10	0.00E+00	1.40E-09
4817	441092.9	3767819	6.77E-09	8.26E-09	0.00E+00	1.50E-08	7.63E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.05E-09	0.00E+00	3.33E-09	5.60E-10	8.20E-10	0.00E+00	1.38E-09
4818	441102	3767815	6.68E-09	8.15E-09	0.00E+00	1.48E-08	7.53E-09	1.18E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.53E-10	8.09E-10	0.00E+00	1.36E-09
4819	441111.2	3767812	6.60E-09	8.04E-09	0.00E+00	1.46E-08	7.43E-09	1.17E-08	0.00E+00	1.91E-08	1.25E-09	1.99E-09	0.00E+00	3.24E-09	5.45E-10	7.98E-10	0.00E+00	1.34E-09
4820	441120.3	3767808	6.50E-09	7.93E-09	0.00E+00	1.44E-08	7.33E-09	1.15E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.19E-09	5.38E-10	7.87E-10	0.00E+00	1.33E-09
4821	441129.4	3767804	6.41E-09	7.82E-09	0.00E+00	1.42E-08	7.23E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.30E-10	7.76E-10	0.00E+00	1.31E-09
4822	441138.6	3767800	6.33E-09	7.72E-09	0.00E+00	1.40E-08	7.13E-09	1.12E-08	0.00E+00	1.84E-08	1.20E-09	1.91E-09	0.00E+00	3.11E-09	5.23E-10	7.66E-10	0.00E+00	1.29E-09
4823	441147.7	3767797	6.25E-09	7.62E-09	0.00E+00	1.39E-08	7.04E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.17E-10	7.56E-10	0.00E+00	1.27E-09
4824	441156.9	3767793	6.17E-09	7.52E-09	0.00E+00	1.37E-08	6.95E-09	1.09E-08	0.00E+00	1.79E-08	1.17E-09	1.86E-09	0.00E+00	3.03E-09	5.10E-10	7.47E-10	0.00E+00	1.26E-09
4825	441166	3767789	6.09E-09	7.43E-09	0.00E+00	1.35E-08	6.87E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.04E-10	7.37E-10	0.00E+00	1.24E-09
4826	441193.4	3767778	5.83E-09	7.10E-09	0.00E+00	1.29E-08	6.57E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.82E-10	7.05E-10	0.00E+00	1.19E-09
4827	441202.6	3767774	5.73E-09	6.98E-09	0.00E+00	1.27E-08	6.45E-09	1.01E-08	0.00E+00	1.66E-08	1.08E-09	1.73E-09	0.00E+00	2.81E-09	4.73E-10	6.93E-10	0.00E+00	1.17E-09
4828	441211.7	3767771	5.63E-09	6.86E-09	0.00E+00	1.25E-08	6.34E-09	9.97E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.65E-10	6.81E-10	0.00E+00	1.15E-09
4829	441220.8	3767767	5.52E-09	6.73E-09	0.00E+00	1.23E-08	6.23E-09	9.79E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.57E-10	6.69E-10	0.00E+00	1.13E-09
4830	441230	3767763	5.42E-09	6.61E-09	0.00E+00	1.20E-08	6.11E-09	9.61E-09	0.00E+00	1.57E-08	1.03E-09	1.64E-09	0.00E+00	2.66E-09	4.48E-10	6.56E-10	0.00E+00	1.10E-09
4831	441239.1	3767759	5.32E-09	6.48E-09	0.00E+00	1.18E-08	5.99E-09	9.42E-09	0.00E+00	1.54E-08	1.01E-09	1.61E-09	0.00E+00	2.61E-09	4.40E-10	6.44E-10	0.00E+00	1.08E-09
4832	441248.3	3767756	5.22E-09	6.36E-09	0.00E+00	1.16E-08	5.88E-09	9.25E-09	0.00E+00	1.51E-08	9.86E-10	1.58E-09	0.00E+00	2.56E-09	4.31E-10	6.31E-10	0.00E+00	1.06E-09
4833	440392.3	3768614	4.46E-09	5.43E-09	0.00E+00	9.89E-09	5.02E-09	7.90E-09	0.00E+00	1.29E-08	8.43E-10	1.35E-09	0.00E+00	2.19E-09	3.69E-10	5.39E-10	0.00E+00	9.08E-10
4834	440392.3	3768624	4.42E-09	5.39E-09	0.00E+00	9.80E-09	4.98E-09	7.83E-09	0.00E+00	1.28E-08	8.35E-10	1.33E-09	0.00E+00	2.17E-09	3.65E-10	5.35E-10	0.00E+00	9.00E-10
4835	440392.3	3768634	4.38E-09	5.34E-09	0.00E+00	9.71E-09	4.93E-09	7.76E-09	0.00E+00	1.27E-08	8.27E-10	1.32E-09	0.00E+00	2.15E-09	3.62E-10	5.30E-10	0.00E+00	8.92E-10
4836	440356	3768605	4.21E-09	5.14E-09	0.00E+00	9.35E-09	4.75E-09	7.47E-09	0.00E+00	1.22E-08	7.97E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.10E-10	0.00E+00	8.59E-10
4837	440359.8	3768596	4.27E-09	5.21E-09	0.00E+00	9.49E-09	4.82E-09	7.58E-09	0.00E+00	1.24E-08	8.08E-10	1.29E-09	0.00E+00	2.10E-09	3.53E-10	5.17E-10	0.00E+00	8.71E-10
4838	440363.6	3768587	4.34E-09	5.29E-09	0.00E+00	9.62E-09	4.89E-09	7.68E-09	0.00E+00	1.26E-08	8.20E-10	1.31E-09	0.00E+00	2.13E-09	3.59E-10	5.25E-10	0.00E+00	8.83E-10
4839	440367.4	3768578	4.40E-09	5.36E-09	0.00E+00	9.76E-09	4.96E-09	7.79E-09	0.00E+00	1.28E-08	8.31E-10	1.33E-09	0.00E+00	2.16E-09	3.64E-10	5.32E-10	0.00E+00	8.96E-10
4840	440390.1	3768523	4.76E-09	5.80E-09	0.00E+00	1.06E-08	5.36E-09	8.43E-09	0.00E+00	1.38E-08	8.99E-10	1.44E-09	0.00E+00	2.34E-09	3.93E-10	5.76E-10	0.00E+00	9.69E-10
4841	440393.8	3768514	4.81E-09	5.87E-09	0.00E+00	1.07E-08	5.43E-09	8.53E-09	0.00E+00	1.40E-08	9.10E-10	1.45E-09	0.00E+00	2.36E-09	3.98E-10	5.83E-10	0.00E+00	9.81E-10
4842	440397.6	3768505	4.87E-09	5.94E-09	0.00E+00	1.08E-08	5.49E-09	8.63E-09	0.00E+00	1.41E-08	9.21E-10	1.47E-09	0.00E+00	2.39E-09	4.03E-10	5.90E-10	0.00E+00	9.92E-10
4843	440401.4	3768496	4.93E-09	6.01E-09	0.00E+00	1.09E-08	5.56E-09	8.73E-09	0.00E+00	1.43E-08	9.32E-10	1.49E-09	0.00E+00	2.42E-09	4.08E-10	5.97E-10	0.00E+00	1.00E-09
4844	440405.2	3768486	4.99E-09	6.08E-09	0.00E+00	1.11E-08	5.62E-09	8.84E-09	0.00E+00	1.45E-08	9.43E-10	1.51E-09	0.00E+00	2.45E-09	4.12E-10	6.03E-10	0.00E+00	1.02E-09
4845	440409	3768477	5.04E-09	6.15E-09	0.00E+00	1.12E-08	5.68E-09	8.94E-09	0.00E+00	1.46E-08	9.53E-10	1.52E-09	0.00E+00	2.48E-09	4.17E-10	6.10E-10	0.00E+00	1.03E-09
4846	440412.7	3768468	5.10E-09	6.22E-09	0.00E+00	1.13E-08	5.75E-09	9.04E-09	0.00E+00	1.48E-08	9.64E-10	1.54E-09	0.00E+00	2.50E-09	4.22E-10	6.17E-10	0.00E+00	1.04E-09
4847	440435.4	3768413	5.43E-09	6.62E-09	0.00E+00	1.20E-08	6.12E-09	9.62E-09	0.00E+00	1.57E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.49E-10	6.57E-10	0.00E+00	1.11E-09
4848	440439.2	3768404	5.49E-09	6.69E-09	0.00E+00	1.22E-08	6.19E-09	9.72E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.54E-10	6.64E-10	0.00E+00	1.12E-09
4849	440443	3768395	5.54E-09	6.76E-09	0.00E+00	1.23E-08	6.25E-09	9.83E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.72E-09	4.58E-10	6.71E-10	0.00E+00	1.13E-09
4850	440446.7	3768386	5.60E-09	6.83E-09	0.00E+00	1.24E-08	6.31E-09	9.92E-09	0.00E+00	1.62E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.63E-10	6.78E-10	0.00E+00	1.14E-09
4851	440450.5	3768377	5.66E-09	6.89E-09	0.00E+00	1.25E-08	6.37E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.84E-10	0.00E+00	1.15E-09
4852	440454.3	3768368	5.71E-09	6.96E-09	0.00E+00	1.27E-08	6.43E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.72E-10	6.91E-10	0.00E+00	1.16E-09
4853	440458.1	3768358	5.76E-09	7.02E-09	0.00E+00	1.28E-08	6.49E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.76E-10	6.97E-10	0.00E+00	1.17E-09
4854	440461.9	3768349	5.81E-09	7.08E-09	0.00E+00	1.29E-08	6.55E-09	1.03E-08	0.00E+00	1.68E-08	1.10E-09	1.76E-09	0.00E+00	2.85E-09	4.80E-10	7.03E-10	0.00E+00	1.18E-09
4855	440465.6	3768340	5.86E-09	7.14E-09	0.00E+00	1.30E-08	6.60E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.77E-09	0.00E+00	2.88E-09	4.84E-10	7.09E-10	0.00E+00	1.19E-09
4856	440469.4	3768331	5.91E-09	7.20E-09	0.00E+00	1.31E-08	6.66E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.79E-09	0.00E+00	2.90E-09	4.89E-10	7.15E-10	0.00E+00	1.20E-09
4857	440473.2	3768322	5.96E-09	7.27E-09	0.00E+00	1.32E-08	6.72E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.93E-09	4.93E-10	7.22E-10	0.00E+00	1.21E-09
4858	440477	3768313	6.01E-09	7.33E-09	0.00E+00	1.33E-08	6.78E-09	1.07E-08	0.00E+00	1.74E-08	1.14E-09	1.82E-09	0.00E+00	2.95E-09	4.97E-10	7.28E-10	0.00E+00	1.23E-09
4859	440480.8	3768304	6.07E-09	7.40E-09	0.00E+00	1.35E-08	6.84E-09	1.08E-08	0.00E+00	1.76E-08	1.15E-09	1.83E-09	0.00E+00	2.98E-09	5.02E-10	7.34E-10	0.00E+00	1.24E-09
4860	440484.5	3768294	6.12E-09	7.46E-09	0.00E+00	1.36E-08	6.90E-09	1.08E-08	0.00E+00	1.77E-08	1.16E-09	1.85E-09	0.00E+00	3.01E-09	5.06E-10	7.41E-10	0.00E+00	1.25E-09
4861	440488.3	3768285	6.18E-09	7.53E-09	0.00E+00	1.37E-08	6.96E-09	1.09E-08	0.00E+00	1.79E-08	1.17E-09	1.87E-09	0.00E+00	3.03E-09	5.11E-10	7.47E-10	0.00E+00	1.26E-09
4862	440492.1	3768276	6.23E-09	7.60E-09	0.00E+00	1.38E-08	7.02E-09	1.10E-08	0.00E+00	1.81E-08	1.18E-09	1.88E-09	0.00E+00	3.06E-09	5.15E-10	7.54E-10	0.00E+00	1.27E-09
4863	440495.9	3768267	6.28E-09	7.66E-09	0.00E+00	1.39E-08	7.08E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.90E-09	0.00E+00	3.09E-09	5.19E-10	7.60E-10	0.00E+00	1.28E-09
4864	440499.7	3768258	6.33E-09	7.71E-09	0.00E+00	1.40E-08	7.13E-09	1.12E-08	0.00E+00	1.83E-08	1.20E-09	1.91E-09	0.00E+00	3.11E-09	5.23E-10	7.66E-10	0.00E+00	1.29E-09
4865	440503.4	3768249	6.37E-09	7.77E-09	0.00E+00	1.41E-08	7.18E-09	1.13E-08	0.00E+00	1.85E-08	1.20E-09	1.92E-09	0.00E+00	3.13E-09	5.27E-10	7.71E-10	0.00E+00	1.30E-09
4866	440507.2	3768240	6.41E-09	7.82E-09	0.00E+00	1.42E-08	7.23E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.30E-10	7.76E-10	0.00E+00	1.31E-09
4867	440511	3768230	6.46E-09	7.87E-09	0.00E+00	1.43E-08	7.28E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.17E-09	5.34E-10	7.81E-10	0.00E+00	1.32E-09
4868	440514.8	3768221	6.50E-09	7.92E-09	0.00E+00	1.44E-08	7.32E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.19E-09	5.37E-10	7.86E-10	0.00E+00	1.32E-09
4869	440518.6	3768212	6.54E-09	7.97E-09	0.00E+00	1.45E-08	7.37E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.97E-09	0.00E+00	3.21E-09	5.40E-10	7.91E-10	0.00E+00	1.33E-09
4870	440522.3	3768203	6.57E-09	8.01E-09	0.00E+00	1.46E-08	7.41E-09	1.16E-08	0.00E+00	1.91E-08	1.24E-09	1.99E-09	0.00E+00	3.23E-09	5.43E-10	7.95E-10	0.00E+00	1.34E-09
4871	440526.1	3768194	6.60E-09	8.05E-09	0.00E+00	1.47E-08	7.45E-09	1.17E-08	0.00E+00	1.91E-08	1.25E-09	2.00E-09	0.00E+00	3.24E-09	5.46E-10	7.99E-10	0.00E+00	1.35E-09
4872	440529.9	3768185	6.64E-09	8.09E-09	0.00E+00	1.47E-08	7.48E-09	1.18E-08	0.00E+00	1.92E-08	1.25E-09	2.01E-09	0.00E+00	3.26E-09	5.49E-10	8.03E-10	0.00E+00	1.35E-09
4873	440533.7	3768176	6.67E-09	8.13E-09	0.00E+00	1.48E-08	7.52E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.01E-09	0.00E+00	3.28E-09	5.51E-10	8.07E-10	0.00E+00	1.36E-09
4874	440537.4	3768166	6.70E-09	8.16E-09	0.00E+00	1.49E-08	7.55E-09	1.19E-08	0.00E+00	1.94E-08	1.27E-09	2.02E-09	0.00E+00	3.29E-09	5.54E-10	8.11E-10	0.00E+00	1.36E-09
4875	440541.2	3768157	6.72E-09	8.20E-09	0.00E+00	1.49E-08	7.58E-09	1.19E-08	0.00E+00	1.95E-08	1.27E-09	2.03E-09	0.00E+00	3.30E-09	5.56E-10	8.14E-10	0.00E+00	1.37E-09
4876	440545	3768148	6.75E-09	8.23E-09	0.00E+00	1.50E-08	7.61E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.31E-09	5.58E-10	8.17E-10	0.00E+00	1.37E-09
4877	440548.8	3768139	6.78E-09	8.26E-09	0.00E+00	1.50E-08	7.64E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.05E-09	0.00E+00	3.33E-09	5.60E-10	8.20E-10	0.00E+00	1.38E-09
4878	440552.6	3768130	6.81E-09	8.30E-09	0.00E+00	1.51E-08	7.67E-09	1.21E-08	0.00E+00	1.97E-08	1.29E-09	2.06E-09	0.00E+00	3.34E-09	5.63E-10	8.24E-10	0.00E+00	1.39E-09
4879	440556.3	3768121	6.83E-09	8.33E-09	0.00E+00	1.52E-08	7.70E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.36E-09	5.65E-10	8.27E-10	0.00E+00	1.39E-09
4880	440560.1	3768112	6.86E-09	8.36E-09	0.00E+00	1.52E-08	7.73E-09	1.22E-08	0.00E+00	1.99E-08	1.30E-09	2.07E-09	0.00E+00	3.37E-09	5.67E-10	8.30E-10	0.00E+00	1.40E-09
4881	440563.9	3768102	6.89E-09	8.40E-09	0.00E+00	1.53E-08	7.76E-09	1.22E-08	0.00E+00	2.00E-08	1.30E-09	2.08E-09	0.00E+00	3.38E-09	5.69E-10	8.34E-10	0.00E+00	1.40E-09
4882	440567.7	3768093	6.91E-09	8.43E-09	0.00E+00	1.53E-08	7.79E-09	1.23E-08	0.00E+00	2.00E-08	1.31E-09	2.09E-09	0.00E+00	3.40E-09	5.72E-10	8.37E-10	0.00E+00	1.41E-09
4883	440571.5	3768084	6.93E-09	8.45E-09	0.00E+00	1.54E-08	7.81E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.09E-09	0.00E+00	3.40E-09	5.73E-10	8.39E-10	0.00E+00	1.41E-09
4884	440575.2	3768075	6.94E-09	8.46E-09	0.00E+00	1.54E-08	7.83E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.10E-09	0.00E+00	3.41E-09	5.74E-10	8.40E-10	0.00E+00	1.41E-09
4885	440626	3767971	6.91E-09	8.43E-09	0.00E+00	1.53E-08	7.79E-09	1.22E-08	0.00E+00	2.00E-08	1.31E-09	2.09E-09	0.00E+00	3.40E-09	5.72E-10	8.37E-10	0.00E+00	1.41E-09
4886	440635.1	3767967	6.97E-09	8.49E-09	0.00E+00	1.55E-08	7.85E-09	1.23E-08	0.00E+00	2.02E-08	1.32E-09	2.10E-09	0.00E+00	3.42E-09	5.76E-10	8.43E-10	0.00E+00	1.42E-09
4887	440644.3	3767963	7.03E-09	8.56E-09	0.00E+00	1.56E-08	7.92E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.81E-10	8.50E-10	0.00E+00	1.43E-09
4888	440653.4	3767959	7.09E-09	8.65E-09	0.00E+00	1.57E-08	8.00E-09	1.26E-08	0.00E+00	2.06E-08	1.34E-09	2.14E-09	0.00E+00	3.48E-09	5.87E-10	8.58E-10	0.00E+00	1.45E-09
4889	440662.6	3767956	7.16E-09	8.73E-09	0.00E+00	1.59E-08	8.07E-09	1.27E-08	0.00E+00	2.08E-08	1.35E-09	2.16E-09	0.00E+00	3.52E-09	5.92E-10	8.66E-10	0.00E+00	1.46E-09
4890	440671.7	3767952	7.22E-09	8.80E-09	0.00E+00	1.60E-08	8.14E-09	1.28E-08	0.00E+00	2.09E-08	1.37E-09	2.18E-09	0.00E+00	3.55E-09	5.97E-10	8.74E-10	0.00E+00	1.47E-09
4891	440680.9	3767948	7.28E-09	8.87E-09	0.00E+00	1.62E-08	8.20E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.58E-09	6.02E-10	8.81E-10	0.00E+00	1.48E-09
4892	440690	3767944	7.33E-09	8.93E-09	0.00E+00	1.63E-08	8.26E-09	1.30E-08	0.00E+00	2.12E-08	1.39E-09	2.21E-09	0.00E+00	3.60E-09	6.06E-10	8.87E-10	0.00E+00	1.49E-09
4893	440699.2	3767941	7.37E-09	8.99E-09	0.00E+00	1.64E-08	8.31E-09	1.31E-08	0.00E+00	2.14E-08	1.39E-09	2.23E-09	0.00E+00	3.62E-09	6.10E-10	8.92E-10	0.00E+00	1.50E-09
4894	440708.4	3767937	7.41E-09	9.03E-09	0.00E+00	1.64E-08	8.35E-09	1.31E-08	0.00E+00	2.15E-08	1.40E-09	2.24E-09	0.00E+00	3.64E-09	6.12E-10	8.96E-10	0.00E+00	1.51E-09
4895	440717.5	3767933	7.44E-09	9.07E-09	0.00E+00	1.65E-08	8.39E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.25E-09	0.00E+00	3.65E-09	6.15E-10	9.00E-10	0.00E+00	1.52E-09
4896	440726.7	3767929	7.47E-09	9.11E-09	0.00E+00	1.66E-08	8.42E-09	1.32E-08	0.00E+00	2.17E-08	1.41E-09	2.26E-09	0.00E+00	3.67E-09	6.18E-10	9.04E-10	0.00E+00	1.52E-09
4897	440735.8	3767926	7.51E-09	9.16E-09	0.00E+00	1.67E-08	8.47E-09	1.33E-08	0.00E+00	2.18E-08	1.42E-09	2.27E-09	0.00E+00	3.69E-09	6.21E-10	9.09E-10	0.00E+00	1.53E-09
4898	440745	3767922	7.55E-09	9.21E-09	0.00E+00	1.68E-08	8.52E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.28E-09	0.00E+00	3.71E-09	6.25E-10	9.14E-10	0.00E+00	1.54E-09
4899	440754.1	3767918	7.59E-09	9.26E-09	0.00E+00	1.69E-08	8.56E-09	1.35E-08	0.00E+00	2.20E-08	1.44E-09	2.29E-09	0.00E+00	3.73E-09	6.28E-10	9.19E-10	0.00E+00	1.55E-09
4900	440790.7	3767903	7.69E-09	9.38E-09	0.00E+00	1.71E-08	8.67E-09	1.36E-08	0.00E+00	2.23E-08	1.45E-09	2.32E-09	0.00E+00	3.78E-09	6.36E-10	9.31E-10	0.00E+00	1.57E-09
4901	440799.9	3767899	7.70E-09	9.39E-09	0.00E+00	1.71E-08	8.68E-09	1.36E-08	0.00E+00	2.23E-08	1.46E-09	2.33E-09	0.00E+00	3.78E-09	6.37E-10	9.32E-10	0.00E+00	1.57E-09
4902	440809.1	3767896	7.70E-09	9.39E-09	0.00E+00	1.71E-08	8.68E-09	1.37E-08	0.00E+00	2.23E-08	1.46E-09	2.33E-09	0.00E+00	3.78E-09	6.37E-10	9.32E-10	0.00E+00	1.57E-09
4903	440818.2	3767892	7.70E-09	9.39E-09	0.00E+00	1.71E-08	8.68E-09	1.37E-08	0.00E+00	2.23E-08	1.46E-09	2.33E-09	0.00E+00	3.78E-09	6.37E-10	9.32E-10	0.00E+00	1.57E-09
4904	440827.4	3767888	7.70E-09	9.39E-09	0.00E+00	1.71E-08	8.68E-09	1.36E-08	0.00E+00	2.23E-08	1.46E-09	2.33E-09	0.00E+00	3.78E-09	6.37E-10	9.32E-10	0.00E+00	1.57E-09
4905	440836.5	3767884	7.69E-09	9.38E-09	0.00E+00	1.71E-08	8.67E-09	1.36E-08	0.00E+00	2.23E-08	1.45E-09	2.32E-09	0.00E+00	3.78E-09	6.36E-10	9.31E-10	0.00E+00	1.57E-09
4906	440845.7	3767881	7.68E-09	9.36E-09	0.00E+00	1.70E-08	8.66E-09	1.36E-08	0.00E+00	2.23E-08	1.45E-09	2.32E-09	0.00E+00	3.77E-09	6.35E-10	9.29E-10	0.00E+00	1.56E-09
4907	440854.8	3767877	7.66E-09	9.34E-09	0.00E+00	1.70E-08	8.63E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.31E-09	0.00E+00	3.76E-09	6.33E-10	9.27E-10	0.00E+00	1.56E-09
4908	440864	3767873	7.64E-09	9.31E-09	0.00E+00	1.70E-08	8.61E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.31E-09	0.00E+00	3.75E-09	6.32E-10	9.24E-10	0.00E+00	1.56E-09
4909	440873.1	3767869	7.62E-09	9.28E-09	0.00E+00	1.69E-08	8.58E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.30E-09	0.00E+00	3.74E-09	6.30E-10	9.22E-10	0.00E+00	1.55E-09
4910	440882.3	3767866	7.59E-09	9.26E-09	0.00E+00	1.68E-08	8.56E-09	1.35E-08	0.00E+00	2.20E-08	1.44E-09	2.29E-09	0.00E+00	3.73E-09	6.28E-10	9.19E-10	0.00E+00	1.55E-09
4911	440891.4	3767862	7.56E-09	9.22E-09	0.00E+00	1.68E-08	8.53E-09	1.34E-08	0.00E+00	2.19E-08	1.43E-09	2.29E-09	0.00E+00	3.72E-09	6.25E-10	9.15E-10	0.00E+00	1.54E-09
4912	440900.6	3767858	7.53E-09	9.18E-09	0.00E+00	1.67E-08	8.49E-09	1.33E-08	0.00E+00	2.18E-08	1.42E-09	2.28E-09	0.00E+00	3.70E-09	6.23E-10	9.11E-10	0.00E+00	1.53E-09
4913	440909.8	3767854	7.49E-09	9.13E-09	0.00E+00	1.66E-08	8.44E-09	1.33E-08	0.00E+00	2.17E-08	1.42E-09	2.26E-09	0.00E+00	3.68E-09	6.19E-10	9.07E-10	0.00E+00	1.53E-09
4914	440918.9	3767851	7.45E-09	9.09E-09	0.00E+00	1.65E-08	8.40E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.25E-09	0.00E+00	3.66E-09	6.16E-10	9.02E-10	0.00E+00	1.52E-09
4915	440928.1	3767847	7.42E-09	9.05E-09	0.00E+00	1.65E-08	8.37E-09	1.32E-08	0.00E+00	2.15E-08	1.40E-09	2.24E-09	0.00E+00	3.65E-09	6.14E-10	8.98E-10	0.00E+00	1.51E-09
4916	440937.2	3767843	7.39E-09	9.00E-09	0.00E+00	1.64E-08	8.33E-09	1.31E-08	0.00E+00	2.14E-08	1.40E-09	2.23E-09	0.00E+00	3.63E-09	6.11E-10	8.94E-10	0.00E+00	1.50E-09
4917	440946.4	3767839	7.35E-09	8.95E-09	0.00E+00	1.63E-08	8.28E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.22E-09	0.00E+00	3.61E-09	6.07E-10	8.89E-10	0.00E+00	1.50E-09
4918	440955.5	3767836	7.30E-09	8.90E-09	0.00E+00	1.62E-08	8.23E-09	1.29E-08	0.00E+00	2.12E-08	1.38E-09	2.21E-09	0.00E+00	3.58E-09	6.03E-10	8.83E-10	0.00E+00	1.49E-09
4919	440964.7	3767832	7.25E-09	8.83E-09	0.00E+00	1.61E-08	8.17E-09	1.28E-08	0.00E+00	2.10E-08	1.37E-09	2.19E-09	0.00E+00	3.56E-09	5.99E-10	8.77E-10	0.00E+00	1.48E-09
4920	440973.8	3767828	7.19E-09	8.76E-09	0.00E+00	1.59E-08	8.10E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.94E-10	8.70E-10	0.00E+00	1.46E-09
4921	440983	3767824	7.12E-09	8.68E-09	0.00E+00	1.58E-08	8.03E-09	1.26E-08	0.00E+00	2.06E-08	1.35E-09	2.15E-09	0.00E+00	3.50E-09	5.89E-10	8.62E-10	0.00E+00	1.45E-09
4922	440992.1	3767821	7.06E-09	8.60E-09	0.00E+00	1.57E-08	7.95E-09	1.25E-08	0.00E+00	2.05E-08	1.33E-09	2.13E-09	0.00E+00	3.47E-09	5.83E-10	8.54E-10	0.00E+00	1.44E-09
4923	441001.3	3767817	6.99E-09	8.52E-09	0.00E+00	1.55E-08	7.88E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.11E-09	0.00E+00	3.43E-09	5.78E-10	8.46E-10	0.00E+00	1.42E-09
4924	441010.5	3767813	6.91E-09	8.43E-09	0.00E+00	1.53E-08	7.79E-09	1.22E-08	0.00E+00	2.00E-08	1.31E-09	2.09E-09	0.00E+00	3.39E-09	5.72E-10	8.37E-10	0.00E+00	1.41E-09
4925	441019.6	3767809	6.83E-09	8.33E-09	0.00E+00	1.52E-08	7.70E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.36E-09	5.65E-10	8.27E-10	0.00E+00	1.39E-09

4926	441028.8	3767806	6.75E-09	8.23E-09	0.00E+00	1.50E-08	7.61E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.58E-10	8.17E-10	0.00E+00	1.38E-09
4927	441037.9	3767802	6.68E-09	8.15E-09	0.00E+00	1.48E-08	7.53E-09	1.18E-08	0.00E+00	1.94E-08	1.26E-09	2.02E-09	0.00E+00	3.28E-09	5.53E-10	8.09E-10	0.00E+00	1.36E-09
4928	441047.1	3767798	6.62E-09	8.07E-09	0.00E+00	1.47E-08	7.46E-09	1.17E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.25E-09	5.47E-10	8.01E-10	0.00E+00	1.35E-09
4929	441056.2	3767794	6.55E-09	7.98E-09	0.00E+00	1.45E-08	7.38E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.42E-10	7.93E-10	0.00E+00	1.33E-09
4930	441065.4	3767791	6.48E-09	7.90E-09	0.00E+00	1.44E-08	7.30E-09	1.15E-08	0.00E+00	1.88E-08	1.22E-09	1.96E-09	0.00E+00	3.18E-09	5.36E-10	7.84E-10	0.00E+00	1.32E-09
4931	441074.5	3767787	6.40E-09	7.80E-09	0.00E+00	1.42E-08	7.21E-09	1.13E-08	0.00E+00	1.86E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.29E-10	7.74E-10	0.00E+00	1.30E-09
4932	441083.7	3767783	6.32E-09	7.70E-09	0.00E+00	1.40E-08	7.12E-09	1.12E-08	0.00E+00	1.83E-08	1.19E-09	1.91E-09	0.00E+00	3.10E-09	5.22E-10	7.64E-10	0.00E+00	1.29E-09
4933	441092.8	3767779	6.23E-09	7.59E-09	0.00E+00	1.38E-08	7.02E-09	1.10E-08	0.00E+00	1.81E-08	1.18E-09	1.88E-09	0.00E+00	3.06E-09	5.15E-10	7.54E-10	0.00E+00	1.27E-09
4934	441102	3767776	6.15E-09	7.49E-09	0.00E+00	1.36E-08	6.93E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.86E-09	0.00E+00	3.02E-09	5.08E-10	7.44E-10	0.00E+00	1.25E-09
4935	441111.2	3767772	6.06E-09	7.39E-09	0.00E+00	1.34E-08	6.83E-09	1.07E-08	0.00E+00	1.76E-08	1.15E-09	1.83E-09	0.00E+00	2.98E-09	5.01E-10	7.33E-10	0.00E+00	1.23E-09
4936	441120.3	3767768	5.98E-09	7.28E-09	0.00E+00	1.33E-08	6.74E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.81E-09	0.00E+00	2.93E-09	4.94E-10	7.23E-10	0.00E+00	1.22E-09
4937	441129.5	3767764	5.90E-09	7.20E-09	0.00E+00	1.31E-08	6.66E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.78E-09	0.00E+00	2.90E-09	4.88E-10	7.15E-10	0.00E+00	1.20E-09
4938	441138.6	3767761	5.84E-09	7.11E-09	0.00E+00	1.29E-08	6.58E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.87E-09	4.83E-10	7.06E-10	0.00E+00	1.19E-09
4939	441147.8	3767757	5.77E-09	7.03E-09	0.00E+00	1.28E-08	6.50E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.77E-10	6.98E-10	0.00E+00	1.17E-09
4940	441156.9	3767753	5.70E-09	6.95E-09	0.00E+00	1.26E-08	6.42E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.71E-10	6.90E-10	0.00E+00	1.16E-09
4941	441193.5	3767738	5.36E-09	6.54E-09	0.00E+00	1.19E-08	6.04E-09	9.50E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.49E-10	0.00E+00	1.09E-09
4942	441202.7	3767734	5.26E-09	6.41E-09	0.00E+00	1.17E-08	5.93E-09	9.32E-09	0.00E+00	1.52E-08	9.94E-10	1.59E-09	0.00E+00	2.58E-09	4.35E-10	6.36E-10	0.00E+00	1.07E-09
4943	441211.9	3767731	5.15E-09	6.28E-09	0.00E+00	1.14E-08	5.81E-09	9.13E-09	0.00E+00	1.49E-08	9.74E-10	1.56E-09	0.00E+00	2.53E-09	4.26E-10	6.24E-10	0.00E+00	1.05E-09
4944	441221	3767727	5.05E-09	6.16E-09	0.00E+00	1.12E-08	5.69E-09	8.95E-09	0.00E+00	1.46E-08	9.55E-10	1.53E-09	0.00E+00	2.48E-09	4.18E-10	6.11E-10	0.00E+00	1.03E-09
4945	441230.2	3767723	4.95E-09	6.04E-09	0.00E+00	1.10E-08	5.58E-09	8.77E-09	0.00E+00	1.44E-08	9.36E-10	1.50E-09	0.00E+00	2.43E-09	4.09E-10	5.99E-10	0.00E+00	1.01E-09
4946	441239.3	3767719	4.86E-09	5.92E-09	0.00E+00	1.08E-08	5.48E-09	8.61E-09	0.00E+00	1.41E-08	9.18E-10	1.47E-09	0.00E+00	2.39E-09	4.02E-10	5.88E-10	0.00E+00	9.89E-10
4947	440352.3	3768614	4.15E-09	5.06E-09	0.00E+00	9.22E-09	4.68E-09	7.36E-09	0.00E+00	1.20E-08	7.85E-10	1.26E-09	0.00E+00	2.04E-09	3.43E-10	5.03E-10	0.00E+00	8.46E-10
4948	440352.3	3768624	4.12E-09	5.02E-09	0.00E+00	9.14E-09	4.64E-09	7.30E-09	0.00E+00	1.19E-08	7.78E-10	1.24E-09	0.00E+00	2.02E-09	3.40E-10	4.98E-10	0.00E+00	8.39E-10
4949	440352.3	3768634	4.08E-09	4.97E-09	0.00E+00	9.06E-09	4.60E-09	7.23E-09	0.00E+00	1.18E-08	7.71E-10	1.23E-09	0.00E+00	2.00E-09	3.37E-10	4.94E-10	0.00E+00	8.31E-10
4950	441260.9	3768811	9.26E-08	1.13E-07	0.00E+00	2.05E-07	1.04E-07	1.64E-07	0.00E+00	2.68E-07	1.75E-08	2.80E-08	0.00E+00	4.55E-08	7.66E-09	1.12E-08	0.00E+00	1.89E-08
4951	441277	3768811	1.20E-07	1.46E-07	0.00E+00	2.67E-07	1.35E-07	2.13E-07	0.00E+00	3.48E-07	2.27E-08	3.63E-08	0.00E+00	5.90E-08	9.93E-09	1.45E-08	0.00E+00	2.45E-08
4952	441231.6	3768823	5.28E-08	6.44E-08	0.00E+00	1.17E-07	5.95E-08	9.36E-08	0.00E+00	1.53E-07	9.99E-09	1.60E-08	0.00E+00	2.59E-08	4.37E-09	6.39E-09	0.00E+00	1.08E-08
4953	441221.6	3768813	5.45E-08	6.65E-08	0.00E+00	1.21E-07	6.15E-08	9.66E-08	0.00E+00	1.58E-07	1.03E-08	1.65E-08	0.00E+00	2.68E-08	4.51E-09	6.60E-09	0.00E+00	1.11E-08
4954	441217.5	3768837	3.95E-08	4.81E-08	0.00E+00	8.76E-08	4.45E-08	6.99E-08	0.00E+00	1.14E-07	7.46E-09	1.19E-08	0.00E+00	1.94E-08	3.26E-09	4.78E-09	0.00E+00	8.04E-09
4955	441207.5	3768827	4.07E-08	4.97E-08	0.00E+00	9.04E-08	4.59E-08	7.22E-08	0.00E+00	1.18E-07	7.70E-09	1.23E-08	0.00E+00	2.00E-08	3.37E-09	4.93E-09	0.00E+00	8.30E-09
4956	441201.6	3768813	4.52E-08	5.51E-08	0.00E+00	1.00E-07	5.10E-08	8.02E-08	0.00E+00	1.31E-07	8.55E-09	1.37E-08	0.00E+00	2.22E-08	3.74E-09	5.47E-09	0.00E+00	9.21E-09
4957	441193.4	3768841	3.24E-08	3.95E-08	0.00E+00	7.18E-08	3.65E-08	5.74E-08	0.00E+00	9.39E-08	6.12E-09	9.78E-09	0.00E+00	1.59E-08	2.68E-09	3.92E-09	0.00E+00	6.60E-09
4958	441187.5	3768827	3.55E-08	4.33E-08	0.00E+00	7.88E-08	4.00E-08	6.29E-08	0.00E+00	1.03E-07	6.71E-09	1.07E-08	0.00E+00	1.74E-08	2.94E-09	4.30E-09	0.00E+00	7.23E-09
4959	441277	3768871	3.73E-08	4.54E-08	0.00E+00	8.27E-08	4.20E-08	6.60E-08	0.00E+00	1.08E-07	7.05E-09	1.13E-08	0.00E+00	1.83E-08	3.08E-09	4.51E-09	0.00E+00	7.59E-09
4960	441179.3	3768855	2.66E-08	3.25E-08	0.00E+00	5.91E-08	3.00E-08	4.72E-08	0.00E+00	7.72E-08	5.03E-09	8.04E-09	0.00E+00	1.31E-08	2.20E-09	3.22E-09	0.00E+00	5.42E-09
4961	441173.4	3768841	2.89E-08	3.52E-08	0.00E+00	6.41E-08	3.26E-08	5.12E-08	0.00E+00	8.38E-08	5.46E-09	8.73E-09	0.00E+00	1.42E-08	2.39E-09	3.50E-09	0.00E+00	5.89E-09
4962	441260.9	3768891	2.80E-08	3.41E-08	0.00E+00	6.21E-08	3.15E-08	4.96E-08	0.00E+00	8.11E-08	5.29E-09	8.46E-09	0.00E+00	1.37E-08	2.31E-09	3.39E-09	0.00E+00	5.70E-09
4963	441277	3768891	3.00E-08	3.66E-08	0.00E+00	6.66E-08	3.38E-08	5.31E-08	0.00E+00	8.70E-08	5.67E-09	9.06E-09	0.00E+00	1.47E-08	2.48E-09	3.63E-09	0.00E+00	6.11E-09
4964	441231.6	3768903	2.26E-08	2.76E-08	0.00E+00	5.02E-08	2.55E-08	4.01E-08	0.00E+00	6.56E-08	4.28E-09	6.84E-09	0.00E+00	1.11E-08	1.87E-09	2.74E-09	0.00E+00	4.61E-09
4965	441217.5	3768897	2.26E-08	2.75E-08	0.00E+00	5.01E-08	2.54E-08	4.00E-08	0.00E+00	6.54E-08	4.26E-09	6.81E-09	0.00E+00	1.11E-08	1.87E-09	2.73E-09	0.00E+00	4.60E-09
4966	441159.3	3768855	2.42E-08	2.95E-08	0.00E+00	5.36E-08	2.72E-08	4.28E-08	0.00E+00	7.01E-08	4.57E-09	7.30E-09	0.00E+00	1.19E-08	2.00E-09	2.92E-09	0.00E+00	4.92E-09
4967	441153.4	3768841	2.60E-08	3.17E-08	0.00E+00	5.77E-08	2.93E-08	4.61E-08	0.00E+00	7.54E-08	4.92E-09	7.86E-09	0.00E+00	1.28E-08	2.15E-09	3.15E-09	0.00E+00	5.30E-09
4968	441231.6	3768923	1.95E-08	2.38E-08	0.00E+00	4.32E-08	2.20E-08	3.45E-08	0.00E+00	5.65E-08	3.68E-09	5.89E-09	0.00E+00	9.57E-09	1.61E-09	2.36E-09	0.00E+00	3.97E-09
4969	441217.5	3768917	1.94E-08	2.37E-08	0.00E+00	4.31E-08	2.19E-08	3.44E-08	0.00E+00	5.63E-08	3.67E-09	5.87E-09	0.00E+00	9.54E-09	1.61E-09	2.35E-09	0.00E+00	3.96E-09
4970	441203.4	3768911	1.93E-08	2.36E-08	0.00E+00	4.29E-08	2.18E-08	3.43E-08	0.00E+00	5.60E-08	3.65E-09	5.84E-09	0.00E+00	9.49E-09	1.60E-09	2.34E-09	0.00E+00	3.94E-09
4971	441189.3	3768905	1.92E-08	2.34E-08	0.00E+00	4.25E-08	2.16E-08	3.40E-08	0.00E+00	5.56E-08	3.62E-09	5.79E-09	0.00E+00	9.41E-09	1.58E-09	2.32E-09	0.00E+00	3.90E-09
4972	441145.1	3768869	2.06E-08	2.51E-08	0.00E+00	4.56E-08	2.32E-08	3.64E-08	0.00E+00	5.96E-08	3.89E-09	6.21E-09	0.00E+00	1.01E-08	1.70E-09	2.49E-09	0.00E+00	4.19E-09
4973	441139.3	3768855	2.20E-08	2.68E-08	0.00E+00	4.88E-08	2.48E-08	3.90E-08	0.00E+00	6.38E-08	4.16E-09	6.64E-09	0.00E+00	1.08E-08	1.82E-09	2.66E-09	0.00E+00	4.48E-09
4974	441231.6	3768943	1.70E-08	2.07E-08	0.00E+00	3.76E-08	1.91E-08	3.00E-08	0.00E+00	4.92E-08	3.20E-09	5.12E-09	0.00E+00	8.33E-09	1.40E-09	2.05E-09	0.00E+00	3.45E-09
4975	441217.5	3768937	1.70E-08	2.07E-08	0.00E+00	3.76E-08	1.91E-08	3.00E-08	0.00E+00	4.91E-08	3.20E-09	5.12E-09	0.00E+00	8.33E-09	1.40E-09	2.05E-09	0.00E+00	3.45E-09
4976	441203.4	3768931	1.69E-08	2.06E-08	0.00E+00	3.75E-08	1.91E-08	3.00E-08	0.00E+00	4.90E-08	3.20E-09	5.11E-09	0.00E+00	8.30E-09	1.40E-09	2.05E-09	0.00E+00	3.44E-09
4977	441189.3	3768925	1.68E-08	2.05E-08	0.00E+00	3.73E-08	1.89E-08	2.98E-08	0.00E+00	4.87E-08	3.18E-09	5.08E-09	0.00E+00	8.25E-09	1.39E-09	2.03E-09	0.00E+00	3.42E-09
4978	441175.1	3768919	1.67E-08	2.03E-08	0.00E+00	3.70E-08	1.88E-08	2.95E-08	0.00E+00	4.83E-08	3.15E-09	5.04E-09	0.00E+00	8.19E-09	1.38E-09	2.02E-09	0.00E+00	3.40E-09
4979	441161	3768914	1.65E-08	2.01E-08	0.00E+00	3.66E-08	1.86E-08	2.93E-08	0.00E+00	4.79E-08	3.12E-09	4.99E-09	0.00E+00	8.11E-09	1.37E-09	2.00E-09	0.00E+00	3.36E-09
4980	441125.1	3768870	1.89E-08	2.30E-08	0.00E+00	4.19E-08	2.13E-08	3.35E-08	0.00E+00	5.48E-08	3.57E-09	5.71E-09	0.00E+00	9.28E-09	1.56E-09	2.29E-09	0.00E+00	3.85E-09
4981	441119.3	3768855	2.01E-08	2.45E-08	0.00E+00	4.46E-08	2.27E-08	3.56E-08	0.00E+00	5.83E-08	3.80E-09	6.07E-09	0.00E+00	9.87E-09	1.66E-09	2.43E-09	0.00E+00	4.09E-09
4982	441260.9	3768951	1.72E-08	2.10E-08	0.00E+00	3.83E-08	1.94E-08	3.05E-08	0.00E+00	5.00E-08	3.26E-09	5.21E-09	0.00E+00	8.47E-09	1.43E-09	2.09E-09	0.00E+00	3.51E-09
4983	441277	3768951	1.80E-08	2.19E-08	0.00E+00	3.99E-08	2.03E-08	3.18E-08	0.00E+00	5.21E-08	3.40E-09	5.43E-09	0.00E+00	8.82E-09	1.49E-09	2.17E-09	0.00E+00	3.66E-09
4984	441231.6	3768963	1.49E-08	1.82E-08	0.00E+00	3.31E-08	1.68E-08	2.64E-08	0.00E+00	4.32E-08	2.82E-09	4.50E-09	0.00E+00	7.32E-09	1.23E-09	1.80E-09	0.00E+00	3.03E-09
4985	441217.5	3768957	1.49E-08	1.82E-08	0.00E+00	3.31E-08	1.68E-08	2.65E-08	0.00E+00	4.33E-08	2.82E-09	4.51E-09	0.00E+00	7.34E-09	1.23E-09	1.81E-09	0.00E+00	3.04E-09
4986	441203.4	3768951	1.49E-08	1.82E-08	0.00E+00	3.31E-08	1.68E-08	2.65E-08	0.00E+00	4.33E-08	2.82E-09	4.51E-09	0.00E+00	7.33E-09	1.23E-09	1.81E-09	0.00E+00	3.04E-09
4987	441189.3	3768945	1.49E-08	1.82E-08	0.00E+00	3.30E-08	1.68E-08	2.64E-08	0.00E+00	4.32E-08	2.81E-09	4.50E-09	0.00E+00	7.31E-09	1.23E-09	1.80E-09	0.00E+00	3.03E-09
4988	441175.1	3768939	1.48E-08	1.80E-08	0.00E+00	3.29E-08	1.67E-08	2.62E-08	0.00E+00	4.29E-08	2.80E-09	4.47E-09	0.00E+00	7.27E-09	1.22E-09	1.79E-09	0.00E+00	3.02E-09
4989	441161	3768934	1.47E-08	1.79E-08	0.00E+00	3.26E-08	1.65E-08	2.60E-08	0.00E+00	4.26E-08	2.78E-09	4.44E-09	0.00E+00	7.21E-09	1.21E-09	1.78E-09	0.00E+00	2.99E-09
4990	441146.9	3768928	1.45E-08	1.77E-08	0.00E+00	3.23E-08	1.64E-08	2.58E-08	0.00E+00	4.22E-08	2.75E-09	4.39E-09	0.00E+00	7.14E-09	1.20E-09	1.76E-09	0.00E+00	2.96E-09
4991	441132.8	3768922	1.44E-08	1.75E-08	0.00E+00	3.19E-08	1.62E-08	2.55E-08	0.00E+00	4.17E-08	2.72E-09	4.35E-09	0.00E+00	7.07E-09	1.19E-09	1.74E-09	0.00E+00	2.93E-09
4992	441111	3768884	1.65E-08	2.01E-08	0.00E+00	3.66E-08	1.86E-08	2.92E-08	0.00E+00	4.78E-08	3.12E-09	4.98E-09	0.00E+00	8.10E-09	1.36E-09	2.00E-09	0.00E+00	3.36E-09
4993	441105.1	3768870	1.75E-08	2.13E-08	0.00E+00	3.87E-08	1.97E-08	3.09E-08	0.00E+00	5.06E-08	3.30E-09	5.27E-09	0.00E+00	8.57E-09	1.44E-09	2.11E-09	0.00E+00	3.56E-09
4994	441099.3	3768855	1.84E-08	2.25E-08	0.00E+00	4.09E-08	2.08E-08	3.27E-08	0.00E+00	5.35E-08	3.49E-09	5.57E-09	0.00E+00	9.06E-09	1.53E-09	2.23E-09	0.00E+00	3.76E-09
4995	441081.6	3768813	2.15E-08	2.62E-08	0.00E+00	4.77E-08	2.42E-08	3.81E-08	0.00E+00	6.24E-08	4.07E-09	6.50E-09	0.00E+00	1.06E-08	1.78E-09	2.60E-09	0.00E+00	4.38E-09
4996	441260.9	3768971	1.51E-08	1.84E-08	0.00E+00	3.35E-08	1.70E-08	2.68E-08	0.00E+00	4.38E-08	2.86E-09	4.56E-09	0.00E+00	7.42E-09	1.25E-09	1.83E-09	0.00E+00	3.08E-09
4997	441277	3768971	1.57E-08	1.91E-08	0.00E+00	3.48E-08	1.77E-08	2.78E-08	0.00E+00	4.54E-08	2.96E-09	4.73E-09	0.00E+00	7.70E-09	1.30E-09	1.90E-09	0.00E+00	3.19E-09
4998	441230.5	3768982	1.32E-08	1.61E-08	0.00E+00	2.94E-08	1.49E-08	2.34E-08	0.00E+00	3.84E-08	2.50E-09	4.00E-09	0.00E+00	6.50E-09	1.09E-09	1.60E-09	0.00E+00	2.70E-09
4999	441215.6	3768976	1.33E-08	1.62E-08	0.00E+00	2.94E-08	1.50E-08	2.35E-08	0.00E+00	3.85E-08	2.51E-09	4.01E-09	0.00E+00	6.52E-09	1.10E-09	1.61E-09	0.00E+00	2.70E-09
5000	441200.8	3768970	1.33E-08	1.62E-08	0.00E+00	2.95E-08	1.50E-08	2.36E-08	0.00E+00	3.85E-08	2.51E-09	4.02E-09	0.00E+00	6.53E-09	1.10E-09	1.61E-09	0.00E+00	2.71E-09
5001	441185.9	3768964	1.33E-08	1.62E-08	0.00E+00	2.95E-08	1.50E-08	2.36E-08	0.00E+00	3.85E-08	2.51E-09	4.02E-09	0.00E+00	6.53E-09	1.10E-09	1.61E-09	0.00E+00	2.71E-09
5002	441171.1	3768958	1.32E-08	1.61E-08	0.00E+00	2.94E-08	1.49E-08	2.34E-08	0.00E+00	3.84E-08	2.50E-09	4.00E-09	0.00E+00	6.50E-09	1.09E-09	1.60E-09	0.00E+00	2.70E-09
5003	441156.2	3768952	1.31E-08	1.60E-08	0.00E+00	2.91E-08	1.48E-08	2.33E-08	0.00E+00	3.81E-08	2.48E-09	3.97E-09	0.00E+00	6.45E-09	1.09E-09	1.59E-09	0.00E+00	2.67E-09
5004	441141.3	3768945	1.30E-08	1.59E-08	0.00E+00	2.89E-08	1.47E-08	2.31E-08	0.00E+00	3.77E-08	2.46E-09	3.93E-09	0.00E+00	6.39E-09	1.08E-09	1.57E-09	0.00E+00	2.65E-09
5005	441126.5	3768939	1.29E-08	1.57E-08	0.00E+00	2.86E-08	1.45E-08	2.28E-08	0.00E+00	3.73E-08	2.43E-09	3.89E-09	0.00E+00	6.32E-09	1.06E-09	1.56E-09	0.00E+00	2.62E-09
5006	441089.9	3768881	1.55E-08	1.89E-08	0.00E+00	3.44E-08	1.75E-08	2.74E-08	0.00E+00	4.49E-08	2.93E-09	4.68E-09	0.00E+00	7.60E-09	1.28E-09	1.87E-09	0.00E+00	3.15E-09
5007	441083.7	3768866	1.64E-08	1.99E-08	0.00E+00	3.63E-08	1.84E-08	2.90E-08	0.00E+00	4.74E-08	3.09E-09	4.94E-09	0.00E+00	8.03E-09	1.35E-09	1.98E-09	0.00E+00	3.33E-09
5008	441077.6	3768851	1.72E-08	2.10E-08	0.00E+00	3.83E-08	1.94E-08	3.06E-08	0.00E+00	5.00E-08	3.26E-09	5.21E-09	0.00E+00	8.47E-09	1.43E-09	2.09E-09	0.00E+00	3.51E-09
5009	441071.4	3768837	1.82E-08	2.21E-08	0.00E+00	4.03E-08	2.05E-08	3.22E-08	0.00E+00	5.26E-08	3.43E-09	5.48E-09	0.00E+00	8.92E-09	1.50E-09	2.20E-09	0.00E+00	3.70E-09
5010	441065.2	3768822	1.91E-08	2.32E-08	0.00E+00	4.23E-08	2.15E-08	3.38E-08	0.00E+00	5.53E-08	3.60E-09	5.76E-09	0.00E+00	9.36E-09	1.58E-09	2.31E-09	0.00E+00	3.88E-09
5011	441059	3768807	1.99E-08	2.43E-08	0.00E+00	4.42E-08	2.25E-08	3.53E-08	0.00E+00	5.78E-08	3.77E-09	6.02E-09	0.00E+00	9.79E-09	1.65E-09	2.41E-09	0.00E+00	4.06E-09
5012	441201	3768990	1.19E-08	1.45E-08	0.00E+00	2.64E-08	1.34E-08	2.11E-08	0.00E+00	3.46E-08	2.25E-09	3.60E-09	0.00E+00	5.85E-09	9.85E-10	1.44E-09	0.00E+00	2.43E-09
5013	441186.2	3768984	1.19E-08	1.46E-08	0.00E+00	2.65E-08	1.35E-08	2.12E-08	0.00E+00	3.46E-08	2.26E-09	3.61E-09	0.00E+00	5.87E-09	9.88E-10	1.45E-09	0.00E+00	2.43E-09
5014	441171.4	3768978	1.19E-08	1.45E-08	0.00E+00	2.64E-08	1.34E-08	2.11E-08	0.00E+00	3.45E-08	2.25E-09	3.60E-09	0.00E+00	5.85E-09	9.85E-10	1.44E-09	0.00E+00	2.43E-09
5015	441156.6	3768972	1.18E-08	1.44E-08	0.00E+00	2.63E-08	1.34E-08	2.10E-08	0.00E+00	3.44E-08	2.24E-09	3.58E-09	0.00E+00	5.82E-09	9.80E-10	1.43E-09	0.00E+00	2.41E-09
5016	441141.9	3768966	1.18E-08	1.43E-08	0.00E+00	2.61E-08	1.33E-08	2.08E-08	0.00E+00	3.41E-08	2.22E-09	3.55E-09	0.00E+00	5.78E-09	9.72E-10	1.42E-09	0.00E+00	2.40E-09
5017	441127.1	3768959	1.17E-08	1.42E-08	0.00E+00	2.59E-08	1.31E-08	2.06E-08	0.00E+00	3.38E-08	2.20E-09	3.52E-09	0.00E+00	5.72E-09	9.63E-10	1.41E-09	0.00E+00	2.37E-09
5018	441112.3	3768953	1.15E-08	1.41E-08	0.00E+00	2.56E-08	1.30E-08	2.05E-08	0.00E+00	3.35E-08	2.18E-09	3.49E-09	0.00E+00	5.67E-09	9.54E-10	1.40E-09	0.00E+00	2.35E-09
5019	441094.4	3768940	1.17E-08	1.43E-08	0.00E+00	2.60E-08	1.32E-08	2.08E-08	0.00E+00	3.40E-08	2.22E-09	3.54E-09	0.00E+00	5.76E-09	9.70E-10	1.42E-09	0.00E+00	2.39E-09
5020	441075.9	3768896	1.37E-08	1.67E-08	0.00E+00	3.05E-08	1.55E-08	2.43E-08	0.00E+00	3.98E-08	2.59E-09	4.15E-09	0.00E+00	6.74E-09	1.13E-09	1.66E-09	0.00E+00	2.80E-09
5021	441069.8	3768881	1.44E-08	1.76E-08	0.00E+00	3.20E-08	1.63E-08	2.56E-08	0.00E+00	4.19E-08	2.73E-09	4.36E-09	0.00E+00	7.09E-09	1.19E-09	1.75E-09	0.00E+00	2.94E-09
5022	441063.6	3768866	1.52E-08	1.85E-08	0.00E+00	3.37E-08	1.71E-08	2.69E-08	0.00E+00	4.40E-08	2.87E-09	4.59E-09	0.00E+00	7.46E-09	1.26E-09	1.84E-09	0.00E+00	3.09E-09
5023	441057.4	3768851	1.59E-08	1.94E-08	0.00E+00	3.54E-08	1.80E-08	2.83E-08	0.00E+00	4.62E-08	3.01E-09	4.82E-09	0.00E+00	7.83E-09	1.32E-09	1.93E-09	0.00E+00	3.25E-09
5024	441051.3	3768836	1.67E-08	2.04E-08	0.00E+00	3.71E-08	1.88E-08	2.96E-08	0.00E+00	4.85E-08	3.16E-09	5.05E-09	0.00E+00	8.21E-09	1.38E-09	2.02E-09	0.00E+00	3.41E-09
5025	441045.1	3768822	1.75E-08	2.13E-08	0.00E+00	3.88E-08	1.97E-08	3.10E-08	0.00E+00	5.07E-08	3.30E-09	5.28E-09	0.00E+00	8.58E-09	1.45E-09	2.12E-09	0.00E+00	3.56E-09
5026	441039	3768807	1.82E-08	2.22E-08	0.00E+00	4.04E-08	2.05E-08	3.23E-08	0.00E+00	5.28E-08	3.44E-09	5.50E-09	0.00E+00	8.94E-09	1.51E-09	2.20E-09	0.00E+00	3.71E-09
5027	441230.7	3769022	1.06E-08	1.30E-08	0.00E+00	2.36E-08	1.20E-08	1.89E-08	0.00E+00	3.09E-08	2.01E-09	3.22E-09	0.00E+00	5.23E-09	8.80E-10	1.29E-09	0.00E+00	2.17E-09
5028	441216	3769016	1.07E-08	1.30E-08	0.00E+00	2.37E-08	1.21E-08	1.90E-08	0.00E+00	3.10E-08	2.02E-09	3.23E-09	0.00E+00	5.25E-09	8.84E-10	1.29E-09	0.00E+00	2.18E-09
5029	441157	3768992	1.07E-08	1.31E-08	0.00E+00	2.39E-08	1.21E-08	1.90E-08	0.00E+00	3.12E-08	2.03E-09	3.25E-09	0.00E+00	5.28E-09	8.89E-10	1.30E-09	0.00E+00	2.19E-09
5030	441142.3	3768986	1.07E-08	1.30E-08	0.00E+00	2.37E-08	1.21E-08	1.90E-08	0.00E+00	3.10E-08	2.02E-09	3.23E-09	0.00E+00	5.25E-09	8.84E-10	1.29E-09	0.00E+00	2.18E-09
5031	441127.6	3768980	1.06E-08	1.29E-08	0.00E+00	2.36E-08	1.20E-08	1.88E-08	0.00E+00	3.08E-08	2.01E-09	3.21E-09	0.00E+00	5.22E-09	8.78E-10	1.29E-09	0.00E+00	2.16E-09
5032	441112.8	3768974	1.05E-08	1.28E-08	0.00E+00	2.34E-08	1.19E-08	1.87E-08	0.00E+00	3.06E-08	1.99E-09	3.18E-09	0.00E+00	5.18E-09	8.71E-10	1.28E-09	0.00E+00	2.15E-09
5033	441098.1	3768968	1.04E-08	1.27E-08	0.00E+00	2.32E-08	1.18E-08	1.85E-08	0.00E+00	3.03E-08	1.97E-09	3.16E-09	0.00E+00	5.13E-09	8.64E-10	1.26E-09	0.00E+00	2.13E-09
5034	441080.3	3768954	1.06E-08	1.29E-08	0.00E+00	2.35E-08	1.19E-08	1.88E-08	0.00E+00	3.07E-08	2.00E-09	3.20E-09	0.00E+00	5.20E-09	8.76E-10	1.28E-09	0.00E+00	2.16E-09
5035	441055.7	3768895	1.29E-08	1.57E-08	0.00E+00	2.86E-08	1.45E-08	2.28E-08	0.00E+00	3.73E-08	2.43E-09	3.89E-09	0.00E+00	6.32E-09	1.06E-09	1.56E-09	0.00E+00	2.62E-09
5036	441049.6	3768880	1.35E-08	1.65E-08	0.00E+00	3.00E-08	1.52E-08	2.39E-08	0.00E+00	3.91E-08	2.55E-09	4.08E-09	0.00E+00	6.63E-09	1.12E-09	1.63E-09	0.00E+00	2.75E-09
5037	441043.5	3768866	1.41E-08	1.72E-08	0.00E+00	3.14E-08	1.59E-08	2.51E-08	0.00E+00	4.10E-08	2.67E-09	4.27E-09	0.00E+00	6.95E-09	1.17E-09	1.71E-09	0.00E+00	2.88E-09

5038	441018.9	3768807	1.67E-08	2.04E-08	0.00E+00	3.71E-08	1.88E-08	2.96E-08	0.00E+00	4.85E-08	3.16E-09	5.05E-09	0.00E+00	8.21E-09	1.38E-09	2.02E-09	0.00E+00	3.40E-09
5039	441230.8	3769042	9.66E-09	1.18E-08	0.00E+00	2.14E-08	1.09E-08	1.71E-08	0.00E+00	2.80E-08	1.83E-09	2.92E-09	0.00E+00	4.75E-09	7.99E-10	1.17E-09	0.00E+00	1.97E-09
5040	441216.1	3769036	9.71E-09	1.18E-08	0.00E+00	2.15E-08	1.09E-08	1.72E-08	0.00E+00	2.81E-08	1.83E-09	2.93E-09	0.00E+00	4.77E-09	8.03E-10	1.17E-09	0.00E+00	1.98E-09
5041	441201.4	3769030	9.74E-09	1.19E-08	0.00E+00	2.16E-08	1.10E-08	1.73E-08	0.00E+00	2.83E-08	1.84E-09	2.94E-09	0.00E+00	4.79E-09	8.06E-10	1.18E-09	0.00E+00	1.99E-09
5042	441186.7	3769024	9.78E-09	1.19E-08	0.00E+00	2.17E-08	1.10E-08	1.73E-08	0.00E+00	2.83E-08	1.85E-09	2.95E-09	0.00E+00	4.80E-09	8.08E-10	1.18E-09	0.00E+00	1.99E-09
5043	441172	3769018	9.79E-09	1.19E-08	0.00E+00	2.17E-08	1.10E-08	1.73E-08	0.00E+00	2.84E-08	1.85E-09	2.96E-09	0.00E+00	4.81E-09	8.10E-10	1.18E-09	0.00E+00	1.99E-09
5044	441098.6	3768988	9.60E-09	1.17E-08	0.00E+00	2.13E-08	1.08E-08	1.70E-08	0.00E+00	2.78E-08	1.81E-09	2.90E-09	0.00E+00	4.71E-09	7.94E-10	1.16E-09	0.00E+00	1.96E-09
5045	441083.9	3768982	9.52E-09	1.16E-08	0.00E+00	2.11E-08	1.07E-08	1.69E-08	0.00E+00	2.76E-08	1.80E-09	2.87E-09	0.00E+00	4.67E-09	7.87E-10	1.15E-09	0.00E+00	1.94E-09
5046	441066.2	3768968	9.64E-09	1.18E-08	0.00E+00	2.14E-08	1.09E-08	1.71E-08	0.00E+00	2.79E-08	1.82E-09	2.91E-09	0.00E+00	4.73E-09	7.97E-10	1.17E-09	0.00E+00	1.96E-09
5047	441060.1	3768954	1.01E-08	1.23E-08	0.00E+00	2.24E-08	1.14E-08	1.79E-08	0.00E+00	2.92E-08	1.91E-09	3.05E-09	0.00E+00	4.95E-09	8.34E-10	1.22E-09	0.00E+00	2.06E-09
5048	441041.7	3768910	1.16E-08	1.41E-08	0.00E+00	2.57E-08	1.30E-08	2.05E-08	0.00E+00	3.35E-08	2.19E-09	3.49E-09	0.00E+00	5.68E-09	9.56E-10	1.40E-09	0.00E+00	2.35E-09
5049	441017.3	3768851	1.38E-08	1.68E-08	0.00E+00	3.06E-08	1.55E-08	2.44E-08	0.00E+00	3.99E-08	2.60E-09	4.16E-09	0.00E+00	6.76E-09	1.14E-09	1.67E-09	0.00E+00	2.80E-09
5050	441011.1	3768836	1.43E-08	1.75E-08	0.00E+00	3.18E-08	1.62E-08	2.54E-08	0.00E+00	4.16E-08	2.71E-09	4.33E-09	0.00E+00	7.04E-09	1.19E-09	1.73E-09	0.00E+00	2.92E-09
5051	441005	3768822	1.49E-08	1.81E-08	0.00E+00	3.30E-08	1.68E-08	2.64E-08	0.00E+00	4.32E-08	2.81E-09	4.50E-09	0.00E+00	7.31E-09	1.23E-09	1.80E-09	0.00E+00	3.03E-09
5052	440998.9	3768807	1.54E-08	1.88E-08	0.00E+00	3.42E-08	1.74E-08	2.73E-08	0.00E+00	4.47E-08	2.91E-09	4.66E-09	0.00E+00	7.57E-09	1.27E-09	1.87E-09	0.00E+00	3.14E-09
5053	441230.8	3769062	8.82E-09	1.07E-08	0.00E+00	1.96E-08	9.94E-09	1.56E-08	0.00E+00	2.56E-08	1.67E-09	2.66E-09	0.00E+00	4.33E-09	7.29E-10	1.07E-09	0.00E+00	1.80E-09
5054	441216.2	3769056	8.86E-09	1.08E-08	0.00E+00	1.97E-08	9.99E-09	1.57E-08	0.00E+00	2.57E-08	1.68E-09	2.68E-09	0.00E+00	4.35E-09	7.33E-10	1.07E-09	0.00E+00	1.81E-09
5055	441201.6	3769050	8.89E-09	1.08E-08	0.00E+00	1.97E-08	1.00E-08	1.58E-08	0.00E+00	2.58E-08	1.68E-09	2.69E-09	0.00E+00	4.37E-09	7.35E-10	1.08E-09	0.00E+00	1.81E-09
5056	441186.9	3769044	8.92E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.38E-09	7.38E-10	1.08E-09	0.00E+00	1.82E-09
5057	441172.3	3769038	8.94E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.39E-09	7.39E-10	1.08E-09	0.00E+00	1.82E-09
5058	441157.6	3769032	8.94E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.39E-09	7.40E-10	1.08E-09	0.00E+00	1.82E-09
5059	441143	3769026	8.94E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.39E-09	7.39E-10	1.08E-09	0.00E+00	1.82E-09
5060	441128.3	3769020	8.92E-09	1.09E-08	0.00E+00	1.98E-08	1.01E-08	1.58E-08	0.00E+00	2.59E-08	1.69E-09	2.70E-09	0.00E+00	4.38E-09	7.38E-10	1.08E-09	0.00E+00	1.82E-09
5061	441113.7	3769014	8.88E-09	1.08E-08	0.00E+00	1.97E-08	1.00E-08	1.57E-08	0.00E+00	2.58E-08	1.68E-09	2.68E-09	0.00E+00	4.36E-09	7.35E-10	1.08E-09	0.00E+00	1.81E-09
5062	441052.1	3768982	8.81E-09	1.07E-08	0.00E+00	1.95E-08	9.93E-09	1.56E-08	0.00E+00	2.55E-08	1.66E-09	2.66E-09	0.00E+00	4.33E-09	7.28E-10	1.07E-09	0.00E+00	1.79E-09
5063	441046	3768968	9.19E-09	1.12E-08	0.00E+00	2.04E-08	1.04E-08	1.63E-08	0.00E+00	2.67E-08	1.74E-09	2.78E-09	0.00E+00	4.51E-09	7.60E-10	1.11E-09	0.00E+00	1.87E-09
5064	441003.3	3768865	1.24E-08	1.51E-08	0.00E+00	2.74E-08	1.39E-08	2.19E-08	0.00E+00	3.58E-08	2.34E-09	3.73E-09	0.00E+00	6.07E-09	1.02E-09	1.50E-09	0.00E+00	2.52E-09
5065	440997.2	3768851	1.29E-08	1.57E-08	0.00E+00	2.85E-08	1.45E-08	2.28E-08	0.00E+00	3.73E-08	2.43E-09	3.88E-09	0.00E+00	6.31E-09	1.06E-09	1.56E-09	0.00E+00	2.62E-09
5066	440991.1	3768836	1.33E-08	1.63E-08	0.00E+00	2.96E-08	1.50E-08	2.36E-08	0.00E+00	3.87E-08	2.52E-09	4.03E-09	0.00E+00	6.55E-09	1.10E-09	1.61E-09	0.00E+00	2.72E-09
5067	440985	3768822	1.38E-08	1.68E-08	0.00E+00	3.07E-08	1.56E-08	2.45E-08	0.00E+00	4.01E-08	2.61E-09	4.18E-09	0.00E+00	6.79E-09	1.14E-09	1.67E-09	0.00E+00	2.82E-09
5068	440978.9	3768807	1.43E-08	1.74E-08	0.00E+00	3.17E-08	1.61E-08	2.53E-08	0.00E+00	4.14E-08	2.70E-09	4.32E-09	0.00E+00	7.02E-09	1.18E-09	1.73E-09	0.00E+00	2.91E-09
5069	441260.9	3769071	8.83E-09	1.08E-08	0.00E+00	1.96E-08	9.95E-09	1.56E-08	0.00E+00	2.56E-08	1.67E-09	2.67E-09	0.00E+00	4.34E-09	7.30E-10	1.07E-09	0.00E+00	1.80E-09
5070	441277	3769071	9.04E-09	1.10E-08	0.00E+00	2.01E-08	1.02E-08	1.60E-08	0.00E+00	2.62E-08	1.71E-09	2.73E-09	0.00E+00	4.44E-09	7.47E-10	1.09E-09	0.00E+00	1.84E-09
5071	441230.9	3769082	8.09E-09	9.86E-09	0.00E+00	1.79E-08	9.12E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.69E-10	9.79E-10	0.00E+00	1.65E-09
5072	441216.3	3769076	8.14E-09	9.92E-09	0.00E+00	1.81E-08	9.17E-09	1.44E-08	0.00E+00	2.36E-08	1.54E-09	2.46E-09	0.00E+00	4.00E-09	6.73E-10	9.85E-10	0.00E+00	1.66E-09
5073	441201.7	3769070	8.17E-09	9.96E-09	0.00E+00	1.81E-08	9.21E-09	1.45E-08	0.00E+00	2.37E-08	1.54E-09	2.47E-09	0.00E+00	4.01E-09	6.76E-10	9.89E-10	0.00E+00	1.66E-09
5074	441187.1	3769064	8.19E-09	9.99E-09	0.00E+00	1.82E-08	9.23E-09	1.45E-08	0.00E+00	2.37E-08	1.55E-09	2.47E-09	0.00E+00	4.02E-09	6.77E-10	9.91E-10	0.00E+00	1.67E-09
5075	441172.5	3769058	8.21E-09	1.00E-08	0.00E+00	1.82E-08	9.25E-09	1.45E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.03E-09	6.78E-10	9.93E-10	0.00E+00	1.67E-09
5076	441157.9	3769052	8.21E-09	1.00E-08	0.00E+00	1.82E-08	9.26E-09	1.46E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.03E-09	6.79E-10	9.94E-10	0.00E+00	1.67E-09
5077	441143.2	3769046	8.21E-09	1.00E-08	0.00E+00	1.82E-08	9.26E-09	1.46E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.03E-09	6.79E-10	9.94E-10	0.00E+00	1.67E-09
5078	441128.6	3769040	8.20E-09	1.00E-08	0.00E+00	1.82E-08	9.25E-09	1.45E-08	0.00E+00	2.38E-08	1.55E-09	2.48E-09	0.00E+00	4.03E-09	6.78E-10	9.93E-10	0.00E+00	1.67E-09
5079	441114	3769034	8.18E-09	9.98E-09	0.00E+00	1.82E-08	9.22E-09	1.45E-08	0.00E+00	2.37E-08	1.55E-09	2.47E-09	0.00E+00	4.02E-09	6.77E-10	9.90E-10	0.00E+00	1.67E-09
5080	441099.4	3769028	8.15E-09	9.94E-09	0.00E+00	1.81E-08	9.19E-09	1.44E-08	0.00E+00	2.36E-08	1.54E-09	2.46E-09	0.00E+00	4.00E-09	6.74E-10	9.86E-10	0.00E+00	1.66E-09
5081	441084.8	3769022	8.10E-09	9.88E-09	0.00E+00	1.80E-08	9.14E-09	1.44E-08	0.00E+00	2.35E-08	1.53E-09	2.45E-09	0.00E+00	3.98E-09	6.70E-10	9.81E-10	0.00E+00	1.65E-09
5082	441070.2	3769016	8.04E-09	9.81E-09	0.00E+00	1.79E-08	9.07E-09	1.43E-08	0.00E+00	2.33E-08	1.52E-09	2.43E-09	0.00E+00	3.95E-09	6.65E-10	9.74E-10	0.00E+00	1.64E-09
5083	441031.9	3768982	8.41E-09	1.03E-08	0.00E+00	1.87E-08	9.49E-09	1.49E-08	0.00E+00	2.44E-08	1.59E-09	2.54E-09	0.00E+00	4.13E-09	6.96E-10	1.02E-09	0.00E+00	1.71E-09
5084	441025.8	3768967	8.77E-09	1.07E-08	0.00E+00	1.95E-08	9.88E-09	1.55E-08	0.00E+00	2.54E-08	1.66E-09	2.65E-09	0.00E+00	4.31E-09	7.25E-10	1.06E-09	0.00E+00	1.79E-09
5085	440983.2	3768865	1.16E-08	1.41E-08	0.00E+00	2.57E-08	1.31E-08	2.05E-08	0.00E+00	3.36E-08	2.19E-09	3.50E-09	0.00E+00	5.69E-09	9.58E-10	1.40E-09	0.00E+00	2.36E-09
5086	440977.1	3768851	1.20E-08	1.47E-08	0.00E+00	2.67E-08	1.36E-08	2.13E-08	0.00E+00	3.49E-08	2.27E-09	3.63E-09	0.00E+00	5.91E-09	9.94E-10	1.46E-09	0.00E+00	2.45E-09
5087	440971.1	3768836	1.25E-08	1.52E-08	0.00E+00	2.76E-08	1.40E-08	2.21E-08	0.00E+00	3.61E-08	2.35E-09	3.76E-09	0.00E+00	6.12E-09	1.03E-09	1.51E-09	0.00E+00	2.54E-09
5088	440965	3768822	1.29E-08	1.57E-08	0.00E+00	2.86E-08	1.45E-08	2.28E-08	0.00E+00	3.73E-08	2.43E-09	3.89E-09	0.00E+00	6.32E-09	1.06E-09	1.56E-09	0.00E+00	2.62E-09
5089	440958.9	3768807	1.33E-08	1.62E-08	0.00E+00	2.95E-08	1.50E-08	2.35E-08	0.00E+00	3.85E-08	2.51E-09	4.01E-09	0.00E+00	6.52E-09	1.10E-09	1.61E-09	0.00E+00	2.70E-09
5090	441260.9	3769091	8.09E-09	9.86E-09	0.00E+00	1.80E-08	9.12E-09	1.43E-08	0.00E+00	2.35E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.69E-10	9.79E-10	0.00E+00	1.65E-09
5091	441277	3769091	8.26E-09	1.01E-08	0.00E+00	1.83E-08	9.31E-09	1.46E-08	0.00E+00	2.40E-08	1.56E-09	2.50E-09	0.00E+00	4.06E-09	6.83E-10	1.00E-09	0.00E+00	1.68E-09
5092	441231	3769122	6.88E-09	8.39E-09	0.00E+00	1.53E-08	7.76E-09	1.22E-08	0.00E+00	2.00E-08	1.30E-09	2.08E-09	0.00E+00	3.38E-09	5.69E-10	8.33E-10	0.00E+00	1.40E-09
5093	441216.4	3769116	6.93E-09	8.45E-09	0.00E+00	1.54E-08	7.81E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.09E-09	0.00E+00	3.40E-09	5.73E-10	8.39E-10	0.00E+00	1.41E-09
5094	441201.9	3769110	6.96E-09	8.49E-09	0.00E+00	1.55E-08	7.85E-09	1.23E-08	0.00E+00	2.02E-08	1.32E-09	2.10E-09	0.00E+00	3.42E-09	5.76E-10	8.43E-10	0.00E+00	1.42E-09
5095	441187.3	3769104	6.99E-09	8.52E-09	0.00E+00	1.55E-08	7.87E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.11E-09	0.00E+00	3.43E-09	5.78E-10	8.45E-10	0.00E+00	1.42E-09
5096	441172.8	3769098	7.00E-09	8.54E-09	0.00E+00	1.55E-08	7.89E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.12E-09	0.00E+00	3.44E-09	5.79E-10	8.48E-10	0.00E+00	1.43E-09
5097	441158.2	3769092	7.01E-09	8.55E-09	0.00E+00	1.56E-08	7.90E-09	1.24E-08	0.00E+00	2.03E-08	1.33E-09	2.12E-09	0.00E+00	3.44E-09	5.80E-10	8.49E-10	0.00E+00	1.43E-09
5098	441143.7	3769086	7.02E-09	8.55E-09	0.00E+00	1.56E-08	7.91E-09	1.24E-08	0.00E+00	2.03E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.80E-10	8.49E-10	0.00E+00	1.43E-09
5099	441129.1	3769080	7.02E-09	8.55E-09	0.00E+00	1.56E-08	7.91E-09	1.24E-08	0.00E+00	2.03E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.80E-10	8.49E-10	0.00E+00	1.43E-09
5100	441114.6	3769074	7.01E-09	8.55E-09	0.00E+00	1.56E-08	7.90E-09	1.24E-08	0.00E+00	2.03E-08	1.33E-09	2.12E-09	0.00E+00	3.44E-09	5.80E-10	8.49E-10	0.00E+00	1.43E-09
5101	441100	3769068	7.00E-09	8.53E-09	0.00E+00	1.55E-08	7.89E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.11E-09	0.00E+00	3.44E-09	5.79E-10	8.47E-10	0.00E+00	1.43E-09
5102	441085.5	3769062	6.97E-09	8.50E-09	0.00E+00	1.55E-08	7.86E-09	1.24E-08	0.00E+00	2.02E-08	1.32E-09	2.11E-09	0.00E+00	3.43E-09	5.77E-10	8.44E-10	0.00E+00	1.42E-09
5103	441070.9	3769056	6.93E-09	8.45E-09	0.00E+00	1.54E-08	7.82E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.09E-09	0.00E+00	3.41E-09	5.73E-10	8.39E-10	0.00E+00	1.41E-09
5104	441056.4	3769050	6.89E-09	8.40E-09	0.00E+00	1.53E-08	7.76E-09	1.22E-08	0.00E+00	2.00E-08	1.30E-09	2.08E-09	0.00E+00	3.38E-09	5.69E-10	8.34E-10	0.00E+00	1.40E-09
5105	441041.8	3769044	6.84E-09	8.34E-09	0.00E+00	1.52E-08	7.71E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.07E-09	0.00E+00	3.36E-09	5.66E-10	8.28E-10	0.00E+00	1.39E-09
5106	441027.3	3769038	6.79E-09	8.28E-09	0.00E+00	1.51E-08	7.65E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.34E-09	5.61E-10	8.22E-10	0.00E+00	1.38E-09
5107	441009.7	3769025	6.86E-09	8.37E-09	0.00E+00	1.52E-08	7.74E-09	1.22E-08	0.00E+00	1.99E-08	1.30E-09	2.07E-09	0.00E+00	3.37E-09	5.68E-10	8.31E-10	0.00E+00	1.40E-09
5108	440991.6	3768981	7.69E-09	9.38E-09	0.00E+00	1.71E-08	8.67E-09	1.36E-08	0.00E+00	2.23E-08	1.45E-09	2.32E-09	0.00E+00	3.78E-09	6.36E-10	9.31E-10	0.00E+00	1.57E-09
5109	440943.1	3768865	1.03E-08	1.25E-08	0.00E+00	2.28E-08	1.16E-08	1.82E-08	0.00E+00	2.98E-08	1.94E-09	3.10E-09	0.00E+00	5.04E-09	8.49E-10	1.24E-09	0.00E+00	2.09E-09
5110	440937	3768851	1.06E-08	1.29E-08	0.00E+00	2.35E-08	1.20E-08	1.88E-08	0.00E+00	3.07E-08	2.01E-09	3.20E-09	0.00E+00	5.21E-09	8.77E-10	1.28E-09	0.00E+00	2.16E-09
5111	440931	3768836	1.09E-08	1.33E-08	0.00E+00	2.43E-08	1.23E-08	1.94E-08	0.00E+00	3.17E-08	2.07E-09	3.30E-09	0.00E+00	5.37E-09	9.04E-10	1.32E-09	0.00E+00	2.23E-09
5112	440924.9	3768822	1.13E-08	1.37E-08	0.00E+00	2.50E-08	1.27E-08	2.00E-08	0.00E+00	3.26E-08	2.13E-09	3.40E-09	0.00E+00	5.53E-09	9.31E-10	1.36E-09	0.00E+00	2.29E-09
5113	440918.9	3768807	1.16E-08	1.41E-08	0.00E+00	2.57E-08	1.30E-08	2.05E-08	0.00E+00	3.36E-08	2.19E-09	3.50E-09	0.00E+00	5.68E-09	9.57E-10	1.40E-09	0.00E+00	2.36E-09
5114	441231.1	3769162	5.93E-09	7.23E-09	0.00E+00	1.32E-08	6.68E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.79E-09	0.00E+00	2.91E-09	4.90E-10	7.18E-10	0.00E+00	1.21E-09
5115	441216.5	3769156	5.97E-09	7.28E-09	0.00E+00	1.33E-08	6.73E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.93E-09	4.94E-10	7.23E-10	0.00E+00	1.22E-09
5116	441202	3769150	6.01E-09	7.33E-09	0.00E+00	1.33E-08	6.78E-09	1.07E-08	0.00E+00	1.74E-08	1.14E-09	1.82E-09	0.00E+00	2.95E-09	4.97E-10	7.27E-10	0.00E+00	1.22E-09
5117	441187.5	3769144	6.04E-09	7.37E-09	0.00E+00	1.34E-08	6.81E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.83E-09	0.00E+00	2.97E-09	5.00E-10	7.32E-10	0.00E+00	1.23E-09
5118	441173	3769138	6.07E-09	7.40E-09	0.00E+00	1.35E-08	6.84E-09	1.08E-08	0.00E+00	1.76E-08	1.15E-09	1.83E-09	0.00E+00	2.98E-09	5.02E-10	7.34E-10	0.00E+00	1.24E-09
5119	441158.5	3769132	6.08E-09	7.41E-09	0.00E+00	1.35E-08	6.86E-09	1.08E-08	0.00E+00	1.76E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.03E-10	7.36E-10	0.00E+00	1.24E-09
5120	441144	3769126	6.09E-09	7.43E-09	0.00E+00	1.35E-08	6.87E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.04E-10	7.37E-10	0.00E+00	1.24E-09
5121	441129.5	3769121	6.10E-09	7.43E-09	0.00E+00	1.35E-08	6.87E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.04E-10	7.38E-10	0.00E+00	1.24E-09
5122	441115	3769115	6.10E-09	7.43E-09	0.00E+00	1.35E-08	6.87E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.04E-10	7.38E-10	0.00E+00	1.24E-09
5123	441100.5	3769109	6.10E-09	7.43E-09	0.00E+00	1.35E-08	6.87E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.04E-10	7.38E-10	0.00E+00	1.24E-09
5124	441086	3769103	6.09E-09	7.42E-09	0.00E+00	1.35E-08	6.86E-09	1.08E-08	0.00E+00	1.76E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.03E-10	7.37E-10	0.00E+00	1.24E-09
5125	441071.5	3769097	6.06E-09	7.39E-09	0.00E+00	1.35E-08	6.83E-09	1.07E-08	0.00E+00	1.76E-08	1.15E-09	1.83E-09	0.00E+00	2.98E-09	5.01E-10	7.34E-10	0.00E+00	1.24E-09
5126	441057	3769091	6.03E-09	7.35E-09	0.00E+00	1.34E-08	6.80E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.82E-09	0.00E+00	2.96E-09	4.99E-10	7.30E-10	0.00E+00	1.23E-09
5127	441042.5	3769085	5.90E-09	7.19E-09	0.00E+00	1.31E-08	6.65E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.78E-09	0.00E+00	2.90E-09	4.88E-10	7.14E-10	0.00E+00	1.20E-09
5128	441028	3769079	5.82E-09	7.09E-09	0.00E+00	1.29E-08	6.56E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.81E-10	7.04E-10	0.00E+00	1.19E-09
5129	441013.5	3769073	5.79E-09	7.06E-09	0.00E+00	1.28E-08	6.52E-09	1.03E-08	0.00E+00	1.68E-08	1.09E-09	1.75E-09	0.00E+00	2.84E-09	4.79E-10	7.00E-10	0.00E+00	1.18E-09
5130	440999	3769067	5.75E-09	7.01E-09	0.00E+00	1.28E-08	6.48E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.82E-09	4.75E-10	6.96E-10	0.00E+00	1.17E-09
5131	440981.5	3769053	5.85E-09	7.14E-09	0.00E+00	1.30E-08	6.60E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.77E-09	0.00E+00	2.88E-09	4.84E-10	7.08E-10	0.00E+00	1.19E-09
5132	440975.5	3769039	6.15E-09	7.50E-09	0.00E+00	1.36E-08	6.93E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.86E-09	0.00E+00	3.02E-09	5.08E-10	7.44E-10	0.00E+00	1.25E-09
5133	440969.4	3769024	6.36E-09	7.76E-09	0.00E+00	1.41E-08	7.17E-09	1.13E-08	0.00E+00	1.84E-08	1.20E-09	1.92E-09	0.00E+00	3.12E-09	5.26E-10	7.70E-10	0.00E+00	1.30E-09
5134	440933.2	3768937	7.82E-09	9.53E-09	0.00E+00	1.74E-08	8.82E-09	1.39E-08	0.00E+00	2.27E-08	1.48E-09	2.36E-09	0.00E+00	3.84E-09	6.47E-10	9.47E-10	0.00E+00	1.59E-09
5135	440927.1	3768923	8.09E-09	9.86E-09	0.00E+00	1.79E-08	9.12E-09	1.43E-08	0.00E+00	2.34E-08	1.53E-09	2.44E-09	0.00E+00	3.97E-09	6.69E-10	9.79E-10	0.00E+00	1.65E-09
5136	440884.9	3768822	9.95E-09	1.21E-08	0.00E+00	2.21E-08	1.12E-08	1.76E-08	0.00E+00	2.89E-08	1.88E-09	3.01E-09	0.00E+00	4.89E-09	8.23E-10	1.20E-09	0.00E+00	2.03E-09
5137	440878.8	3768807	1.02E-08	1.24E-08	0.00E+00	2.26E-08	1.15E-08	1.81E-08	0.00E+00	2.96E-08	1.93E-09	3.08E-09	0.00E+00	5.01E-09	8.43E-10	1.23E-09	0.00E+00	2.08E-09
5138	441171.3	3769178	5.31E-09	6.47E-09	0.00E+00	1.18E-08	5.98E-09	9.40E-09	0.00E+00	1.54E-08	1.00E-09	1.60E-09	0.00E+00	2.61E-09	4.39E-10	6.42E-10	0.00E+00	1.08E-09
5139	441156.4	3769172	5.33E-09	6.50E-09	0.00E+00	1.18E-08	6.01E-09	9.45E-09	0.00E+00	1.55E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.41E-10	6.45E-10	0.00E+00	1.09E-09
5140	441141.6	3769165	5.35E-09	6.52E-09	0.00E+00	1.19E-08	6.03E-09	9.47E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.42E-10	6.47E-10	0.00E+00	1.09E-09
5141	441126.8	3769159	5.35E-09	6.52E-09	0.00E+00	1.19E-08	6.03E-09	9.48E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.48E-10	0.00E+00	1.09E-09
5142	441111.9	3769153	5.35E-09	6.53E-09	0.00E+00	1.19E-08	6.04E-09	9.49E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.48E-10	0.00E+00	1.09E-09
5143	441097.1	3769147	5.35E-09	6.53E-09	0.00E+00	1.19E-08	6.03E-09	9.49E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.48E-10	0.00E+00	1.09E-09
5144	441082.3	3769141	5.35E-09	6.52E-09	0.00E+00	1.19E-08	6.03E-09	9.48E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.42E-10	6.48E-10	0.00E+00	1.09E-09
5145	441067.5	3769135	5.34E-09	6.51E-09	0.00E+00	1.19E-08	6.02E-09	9.47E-09	0.00E+00	1.55E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.42E-10	6.46E-10	0.00E+00	1.09E-09
5146	441052.6	3769129	5.32E-09	6.49E-09	0.00E+00	1.18E-08	6.00E-09	9.43E-09	0.00E+00	1.54E-08	1.01E-09	1.61E-09	0.00E+00	2.61E-09	4.40E-10	6.44E-10	0.00E+00	1.08E-09
5147	441037.8	3769123	5.23E-09	6.38E-09	0.00E+00	1.16E-08	5.90E-09	9.27E-09	0.00E+00	1.52E-08	9.89E-10	1.58E-09	0.00E+00	2.57E-09	4.32E-10	6.33E-10	0.00E+00	1.07E-09
5148	441023	3769116	5.18E-09	6.31E-09	0.00E+00	1.15E-08	5.84E-09	9.17E-09	0.00E+00	1.50E-08	9.79E-10	1.56E-09	0.00E+00	2.54E-09	4.28E-10	6.26E-10	0.00E+00	1.05E-09
5149	441008.2	3769110	5.13E-09	6.26E-09	0.00E+00	1.14E-08	5.78E-09	9.09E-09	0.00E+00	1.49E-08	9.70E-10	1.55E-09	0.00E+00	2.52E-09	4.24E-10	6.21E-10	0.00E+00	1.05E-09

5150	440993.3	3769104	5.11E-09	6.24E-09	0.00E+00	1.14E-08	5.77E-09	9.06E-09	0.00E+00	1.48E-08	9.67E-10	1.55E-09	0.00E+00	2.51E-09	4.23E-10	6.19E-10	0.00E+00	1.04E-09
5151	440978.5	3769098	5.11E-09	6.23E-09	0.00E+00	1.13E-08	5.76E-09	9.06E-09	0.00E+00	1.48E-08	9.67E-10	1.54E-09	0.00E+00	2.51E-09	4.23E-10	6.19E-10	0.00E+00	1.04E-09
5152	440963.7	3769092	5.09E-09	6.21E-09	0.00E+00	1.13E-08	5.74E-09	9.03E-09	0.00E+00	1.48E-08	9.63E-10	1.54E-09	0.00E+00	2.50E-09	4.21E-10	6.16E-10	0.00E+00	1.04E-09
5153	440953.2	3769081	5.22E-09	6.36E-09	0.00E+00	1.16E-08	5.88E-09	9.25E-09	0.00E+00	1.51E-08	9.86E-10	1.58E-09	0.00E+00	2.56E-09	4.31E-10	6.31E-10	0.00E+00	1.06E-09
5154	440947	3769067	5.39E-09	6.57E-09	0.00E+00	1.20E-08	6.07E-09	9.55E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.65E-09	4.45E-10	6.52E-10	0.00E+00	1.10E-09
5155	440940.8	3769052	5.56E-09	6.78E-09	0.00E+00	1.23E-08	6.27E-09	9.85E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.73E-09	4.60E-10	6.73E-10	0.00E+00	1.13E-09
5156	440934.7	3769037	5.75E-09	7.00E-09	0.00E+00	1.28E-08	6.48E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.82E-09	4.75E-10	6.95E-10	0.00E+00	1.17E-09
5157	440928.5	3769022	5.94E-09	7.24E-09	0.00E+00	1.32E-08	6.69E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.79E-09	0.00E+00	2.92E-09	4.91E-10	7.19E-10	0.00E+00	1.21E-09
5158	440897.6	3768948	6.97E-09	8.50E-09	0.00E+00	1.55E-08	7.86E-09	1.24E-08	0.00E+00	2.02E-08	1.32E-09	2.11E-09	0.00E+00	3.43E-09	5.77E-10	8.44E-10	0.00E+00	1.42E-09
5159	440891.5	3768933	7.20E-09	8.78E-09	0.00E+00	1.60E-08	8.11E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.17E-09	0.00E+00	3.54E-09	5.95E-10	8.71E-10	0.00E+00	1.47E-09
5160	440842.1	3768815	8.96E-09	1.09E-08	0.00E+00	1.99E-08	1.01E-08	1.59E-08	0.00E+00	2.60E-08	1.69E-09	2.71E-09	0.00E+00	4.40E-09	7.41E-10	1.08E-09	0.00E+00	1.83E-09
5161	441260.9	3769211	5.16E-09	6.29E-09	0.00E+00	1.15E-08	5.82E-09	9.15E-09	0.00E+00	1.50E-08	9.76E-10	1.56E-09	0.00E+00	2.53E-09	4.27E-10	6.25E-10	0.00E+00	1.05E-09
5162	441277	3769211	5.24E-09	6.39E-09	0.00E+00	1.16E-08	5.91E-09	9.28E-09	0.00E+00	1.52E-08	9.90E-10	1.58E-09	0.00E+00	2.57E-09	4.33E-10	6.34E-10	0.00E+00	1.07E-09
5163	441230.7	3769242	4.56E-09	5.56E-09	0.00E+00	1.01E-08	5.14E-09	8.08E-09	0.00E+00	1.32E-08	8.62E-10	1.38E-09	0.00E+00	2.24E-09	3.77E-10	5.52E-10	0.00E+00	9.29E-10
5164	441215.9	3769236	4.59E-09	5.60E-09	0.00E+00	1.02E-08	5.18E-09	8.14E-09	0.00E+00	1.33E-08	8.69E-10	1.39E-09	0.00E+00	2.26E-09	3.80E-10	5.56E-10	0.00E+00	9.36E-10
5165	441201.1	3769230	4.63E-09	5.64E-09	0.00E+00	1.03E-08	5.21E-09	8.20E-09	0.00E+00	1.34E-08	8.74E-10	1.40E-09	0.00E+00	2.27E-09	3.82E-10	5.60E-10	0.00E+00	9.42E-10
5166	441186.4	3769224	4.65E-09	5.67E-09	0.00E+00	1.03E-08	5.24E-09	8.24E-09	0.00E+00	1.35E-08	8.79E-10	1.40E-09	0.00E+00	2.28E-09	3.84E-10	5.63E-10	0.00E+00	9.47E-10
5167	441171.6	3769218	4.67E-09	5.69E-09	0.00E+00	1.04E-08	5.26E-09	8.28E-09	0.00E+00	1.35E-08	8.83E-10	1.41E-09	0.00E+00	2.29E-09	3.86E-10	5.65E-10	0.00E+00	9.51E-10
5168	441068.3	3769175	4.69E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.31E-09	0.00E+00	1.36E-08	8.86E-10	1.42E-09	0.00E+00	2.30E-09	3.88E-10	5.67E-10	0.00E+00	9.55E-10
5169	441053.5	3769169	4.69E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.30E-09	0.00E+00	1.36E-08	8.86E-10	1.42E-09	0.00E+00	2.30E-09	3.87E-10	5.67E-10	0.00E+00	9.55E-10
5170	441038.7	3769163	4.68E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.30E-09	0.00E+00	1.36E-08	8.86E-10	1.42E-09	0.00E+00	2.30E-09	3.87E-10	5.67E-10	0.00E+00	9.54E-10
5171	441024	3769157	4.67E-09	5.70E-09	0.00E+00	1.04E-08	5.27E-09	8.28E-09	0.00E+00	1.36E-08	8.84E-10	1.41E-09	0.00E+00	2.30E-09	3.86E-10	5.66E-10	0.00E+00	9.52E-10
5172	441009.2	3769151	4.70E-09	5.73E-09	0.00E+00	1.04E-08	5.30E-09	8.33E-09	0.00E+00	1.36E-08	8.88E-10	1.42E-09	0.00E+00	2.31E-09	3.88E-10	5.69E-10	0.00E+00	9.57E-10
5173	440994.5	3769145	4.68E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.29E-09	0.00E+00	1.36E-08	8.85E-10	1.41E-09	0.00E+00	2.30E-09	3.87E-10	5.66E-10	0.00E+00	9.53E-10
5174	440979.7	3769139	4.66E-09	5.68E-09	0.00E+00	1.03E-08	5.25E-09	8.25E-09	0.00E+00	1.35E-08	8.80E-10	1.41E-09	0.00E+00	2.29E-09	3.85E-10	5.64E-10	0.00E+00	9.49E-10
5175	440964.9	3769132	4.63E-09	5.65E-09	0.00E+00	1.03E-08	5.22E-09	8.21E-09	0.00E+00	1.34E-08	8.75E-10	1.40E-09	0.00E+00	2.27E-09	3.83E-10	5.60E-10	0.00E+00	9.43E-10
5176	440950.2	3769126	4.60E-09	5.61E-09	0.00E+00	1.02E-08	5.19E-09	8.16E-09	0.00E+00	1.33E-08	8.70E-10	1.39E-09	0.00E+00	2.26E-09	3.81E-10	5.57E-10	0.00E+00	9.38E-10
5177	440935.4	3769120	4.57E-09	5.58E-09	0.00E+00	1.02E-08	5.16E-09	8.11E-09	0.00E+00	1.33E-08	8.65E-10	1.38E-09	0.00E+00	2.25E-09	3.78E-10	5.54E-10	0.00E+00	9.32E-10
5178	440925	3769110	4.63E-09	5.64E-09	0.00E+00	1.03E-08	5.21E-09	8.20E-09	0.00E+00	1.34E-08	8.74E-10	1.40E-09	0.00E+00	2.27E-09	3.82E-10	5.60E-10	0.00E+00	9.42E-10
5179	440918.8	3769095	4.76E-09	5.80E-09	0.00E+00	1.06E-08	5.36E-09	8.43E-09	0.00E+00	1.38E-08	9.00E-10	1.44E-09	0.00E+00	2.34E-09	3.93E-10	5.76E-10	0.00E+00	9.69E-10
5180	440912.7	3769080	4.82E-09	5.88E-09	0.00E+00	1.07E-08	5.44E-09	8.55E-09	0.00E+00	1.40E-08	9.12E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.84E-10	0.00E+00	9.83E-10
5181	440906.5	3769066	5.05E-09	6.15E-09	0.00E+00	1.12E-08	5.69E-09	8.95E-09	0.00E+00	1.46E-08	9.54E-10	1.53E-09	0.00E+00	2.48E-09	4.17E-10	6.11E-10	0.00E+00	1.03E-09
5182	440900.4	3769051	5.21E-09	6.35E-09	0.00E+00	1.16E-08	5.87E-09	9.23E-09	0.00E+00	1.51E-08	9.84E-10	1.57E-09	0.00E+00	2.56E-09	4.31E-10	6.30E-10	0.00E+00	1.06E-09
5183	440894.2	3769036	5.37E-09	6.54E-09	0.00E+00	1.19E-08	6.05E-09	9.51E-09	0.00E+00	1.56E-08	1.01E-09	1.62E-09	0.00E+00	2.64E-09	4.44E-10	6.50E-10	0.00E+00	1.09E-09
5184	440888.1	3769021	5.53E-09	6.74E-09	0.00E+00	1.23E-08	6.24E-09	9.80E-09	0.00E+00	1.60E-08	1.05E-09	1.67E-09	0.00E+00	2.72E-09	4.57E-10	6.70E-10	0.00E+00	1.13E-09
5185	440863.5	3768962	6.23E-09	7.59E-09	0.00E+00	1.38E-08	7.02E-09	1.10E-08	0.00E+00	1.80E-08	1.18E-09	1.88E-09	0.00E+00	3.06E-09	5.15E-10	7.53E-10	0.00E+00	1.27E-09
5186	440857.3	3768948	6.41E-09	7.81E-09	0.00E+00	1.42E-08	7.22E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.30E-10	7.75E-10	0.00E+00	1.31E-09
5187	440851.2	3768933	6.59E-09	8.04E-09	0.00E+00	1.46E-08	7.43E-09	1.17E-08	0.00E+00	1.91E-08	1.25E-09	1.99E-09	0.00E+00	3.24E-09	5.45E-10	7.98E-10	0.00E+00	1.34E-09
5188	440845.1	3768918	6.78E-09	8.27E-09	0.00E+00	1.51E-08	7.65E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.33E-09	5.61E-10	8.21E-10	0.00E+00	1.38E-09
5189	440838.9	3768903	6.98E-09	8.50E-09	0.00E+00	1.55E-08	7.86E-09	1.24E-08	0.00E+00	2.02E-08	1.32E-09	2.11E-09	0.00E+00	3.43E-09	5.77E-10	8.44E-10	0.00E+00	1.42E-09
5190	440832.8	3768889	7.16E-09	8.73E-09	0.00E+00	1.59E-08	8.07E-09	1.27E-08	0.00E+00	2.08E-08	1.35E-09	2.16E-09	0.00E+00	3.52E-09	5.92E-10	8.66E-10	0.00E+00	1.46E-09
5191	440826.6	3768874	7.33E-09	8.94E-09	0.00E+00	1.63E-08	8.26E-09	1.30E-08	0.00E+00	2.13E-08	1.39E-09	2.21E-09	0.00E+00	3.60E-09	6.06E-10	8.87E-10	0.00E+00	1.49E-09
5192	441260.9	3769251	4.54E-09	5.54E-09	0.00E+00	1.01E-08	5.12E-09	8.05E-09	0.00E+00	1.32E-08	8.59E-10	1.37E-09	0.00E+00	2.23E-09	3.76E-10	5.50E-10	0.00E+00	9.26E-10
5193	441277	3769251	4.60E-09	5.61E-09	0.00E+00	1.02E-08	5.19E-09	8.16E-09	0.00E+00	1.33E-08	8.70E-10	1.39E-09	0.00E+00	2.26E-09	3.81E-10	5.57E-10	0.00E+00	9.38E-10
5194	441245.5	3769288	3.95E-09	4.81E-09	0.00E+00	8.76E-09	4.45E-09	6.99E-09	0.00E+00	1.14E-08	7.46E-10	1.19E-09	0.00E+00	1.94E-09	3.26E-10	4.78E-10	0.00E+00	8.04E-10
5195	441230.7	3769282	3.98E-09	4.85E-09	0.00E+00	8.83E-09	4.48E-09	7.05E-09	0.00E+00	1.15E-08	7.52E-10	1.20E-09	0.00E+00	1.95E-09	3.29E-10	4.82E-10	0.00E+00	8.10E-10
5196	441216	3769276	4.01E-09	4.89E-09	0.00E+00	8.90E-09	4.52E-09	7.11E-09	0.00E+00	1.16E-08	7.58E-10	1.21E-09	0.00E+00	1.97E-09	3.32E-10	4.85E-10	0.00E+00	8.17E-10
5197	441201.3	3769270	4.05E-09	4.94E-09	0.00E+00	8.99E-09	4.56E-09	7.18E-09	0.00E+00	1.17E-08	7.66E-10	1.22E-09	0.00E+00	1.99E-09	3.35E-10	4.90E-10	0.00E+00	8.25E-10
5198	441186.6	3769264	4.09E-09	4.98E-09	0.00E+00	9.07E-09	4.61E-09	7.25E-09	0.00E+00	1.19E-08	7.73E-10	1.24E-09	0.00E+00	2.01E-09	3.38E-10	4.95E-10	0.00E+00	8.33E-10
5199	441171.9	3769258	4.12E-09	5.02E-09	0.00E+00	9.14E-09	4.65E-09	7.30E-09	0.00E+00	1.19E-08	7.79E-10	1.24E-09	0.00E+00	2.02E-09	3.41E-10	4.99E-10	0.00E+00	8.39E-10
5200	440966	3769173	4.18E-09	5.10E-09	0.00E+00	9.28E-09	4.71E-09	7.41E-09	0.00E+00	1.21E-08	7.90E-10	1.26E-09	0.00E+00	2.05E-09	3.46E-10	5.06E-10	0.00E+00	8.51E-10
5201	440951.3	3769167	4.16E-09	5.07E-09	0.00E+00	9.23E-09	4.69E-09	7.37E-09	0.00E+00	1.21E-08	7.87E-10	1.26E-09	0.00E+00	2.04E-09	3.44E-10	5.04E-10	0.00E+00	8.48E-10
5202	440936.6	3769161	4.14E-09	5.04E-09	0.00E+00	9.18E-09	4.66E-09	7.33E-09	0.00E+00	1.20E-08	7.82E-10	1.25E-09	0.00E+00	2.03E-09	3.42E-10	5.01E-10	0.00E+00	8.43E-10
5203	440921.8	3769155	4.11E-09	5.01E-09	0.00E+00	9.13E-09	4.64E-09	7.29E-09	0.00E+00	1.19E-08	7.78E-10	1.24E-09	0.00E+00	2.02E-09	3.40E-10	4.98E-10	0.00E+00	8.38E-10
5204	440907.1	3769149	4.09E-09	4.98E-09	0.00E+00	9.07E-09	4.61E-09	7.25E-09	0.00E+00	1.19E-08	7.73E-10	1.24E-09	0.00E+00	2.01E-09	3.38E-10	4.95E-10	0.00E+00	8.33E-10
5205	440896.7	3769138	4.13E-09	5.04E-09	0.00E+00	9.17E-09	4.66E-09	7.32E-09	0.00E+00	1.20E-08	7.81E-10	1.25E-09	0.00E+00	2.03E-09	3.42E-10	5.00E-10	0.00E+00	8.41E-10
5206	440890.6	3769124	4.24E-09	5.17E-09	0.00E+00	9.42E-09	4.78E-09	7.52E-09	0.00E+00	1.23E-08	8.02E-10	1.28E-09	0.00E+00	2.08E-09	3.51E-10	5.14E-10	0.00E+00	8.65E-10
5207	440884.5	3769109	4.36E-09	5.32E-09	0.00E+00	9.68E-09	4.92E-09	7.73E-09	0.00E+00	1.26E-08	8.25E-10	1.32E-09	0.00E+00	2.14E-09	3.61E-10	5.28E-10	0.00E+00	8.89E-10
5208	440878.3	3769094	4.48E-09	5.46E-09	0.00E+00	9.95E-09	5.05E-09	7.94E-09	0.00E+00	1.30E-08	8.47E-10	1.35E-09	0.00E+00	2.20E-09	3.71E-10	5.43E-10	0.00E+00	9.13E-10
5209	440872.2	3769079	4.61E-09	5.62E-09	0.00E+00	1.02E-08	5.20E-09	8.17E-09	0.00E+00	1.34E-08	8.71E-10	1.39E-09	0.00E+00	2.26E-09	3.81E-10	5.58E-10	0.00E+00	9.39E-10
5210	440866.1	3769065	4.74E-09	5.78E-09	0.00E+00	1.05E-08	5.34E-09	8.40E-09	0.00E+00	1.37E-08	8.96E-10	1.43E-09	0.00E+00	2.33E-09	3.92E-10	5.74E-10	0.00E+00	9.66E-10
5211	440860	3769050	4.88E-09	5.94E-09	0.00E+00	1.08E-08	5.50E-09	8.64E-09	0.00E+00	1.41E-08	9.22E-10	1.47E-09	0.00E+00	2.39E-09	4.03E-10	5.90E-10	0.00E+00	9.93E-10
5212	440853.9	3769035	5.02E-09	6.11E-09	0.00E+00	1.11E-08	5.65E-09	8.89E-09	0.00E+00	1.45E-08	9.48E-10	1.52E-09	0.00E+00	2.46E-09	4.15E-10	6.07E-10	0.00E+00	1.02E-09
5213	440847.7	3769021	5.16E-09	6.29E-09	0.00E+00	1.14E-08	5.82E-09	9.14E-09	0.00E+00	1.50E-08	9.75E-10	1.56E-09	0.00E+00	2.53E-09	4.27E-10	6.24E-10	0.00E+00	1.05E-09
5214	440829.4	3768977	5.59E-09	6.82E-09	0.00E+00	1.24E-08	6.31E-09	9.91E-09	0.00E+00	1.62E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.63E-10	6.77E-10	0.00E+00	1.14E-09
5215	440823.2	3768962	5.75E-09	7.01E-09	0.00E+00	1.28E-08	6.48E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.82E-09	4.75E-10	6.96E-10	0.00E+00	1.17E-09
5216	440786.5	3768874	6.69E-09	8.16E-09	0.00E+00	1.48E-08	7.54E-09	1.19E-08	0.00E+00	1.94E-08	1.27E-09	2.02E-09	0.00E+00	3.29E-09	5.53E-10	8.10E-10	0.00E+00	1.36E-09
5217	440780.4	3768859	6.84E-09	8.34E-09	0.00E+00	1.52E-08	7.71E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.07E-09	0.00E+00	3.36E-09	5.66E-10	8.28E-10	0.00E+00	1.39E-09
5218	440774.2	3768844	6.99E-09	8.52E-09	0.00E+00	1.55E-08	7.88E-09	1.24E-08	0.00E+00	2.03E-08	1.32E-09	2.11E-09	0.00E+00	3.43E-09	5.78E-10	8.46E-10	0.00E+00	1.42E-09
5219	440768.1	3768830	7.13E-09	8.70E-09	0.00E+00	1.58E-08	8.04E-09	1.26E-08	0.00E+00	2.07E-08	1.35E-09	2.16E-09	0.00E+00	3.50E-09	5.90E-10	8.63E-10	0.00E+00	1.45E-09
5220	440762	3768815	7.27E-09	8.87E-09	0.00E+00	1.61E-08	8.20E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.57E-09	6.01E-10	8.80E-10	0.00E+00	1.48E-09
5221	441260.9	3769291	3.96E-09	4.82E-09	0.00E+00	8.78E-09	4.46E-09	7.01E-09	0.00E+00	1.15E-08	7.48E-10	1.20E-09	0.00E+00	1.94E-09	3.27E-10	4.79E-10	0.00E+00	8.06E-10
5222	441277	3769291	4.01E-09	4.88E-09	0.00E+00	8.89E-09	4.52E-09	7.10E-09	0.00E+00	1.16E-08	7.57E-10	1.21E-09	0.00E+00	1.97E-09	3.31E-10	4.85E-10	0.00E+00	8.16E-10
5223	441245.5	3769328	3.47E-09	4.23E-09	0.00E+00	7.69E-09	3.91E-09	6.14E-09	0.00E+00	1.00E-08	6.55E-10	1.05E-09	0.00E+00	1.70E-09	2.87E-10	4.19E-10	0.00E+00	7.06E-10
5224	441230.8	3769322	3.49E-09	4.26E-09	0.00E+00	7.75E-09	3.94E-09	6.19E-09	0.00E+00	1.01E-08	6.60E-10	1.06E-09	0.00E+00	1.72E-09	2.89E-10	4.23E-10	0.00E+00	7.12E-10
5225	441201.5	3769310	3.57E-09	4.36E-09	0.00E+00	7.93E-09	4.03E-09	6.33E-09	0.00E+00	1.04E-08	6.76E-10	1.08E-09	0.00E+00	1.76E-09	2.95E-10	4.32E-10	0.00E+00	7.28E-10
5226	441186.8	3769304	3.62E-09	4.42E-09	0.00E+00	8.04E-09	4.08E-09	6.42E-09	0.00E+00	1.05E-08	6.85E-10	1.09E-09	0.00E+00	1.78E-09	3.00E-10	4.38E-10	0.00E+00	7.38E-10
5227	441172.2	3769298	3.66E-09	4.47E-09	0.00E+00	8.13E-09	4.13E-09	6.49E-09	0.00E+00	1.06E-08	6.93E-10	1.11E-09	0.00E+00	1.80E-09	3.03E-10	4.43E-10	0.00E+00	7.46E-10
5228	441157.5	3769292	3.70E-09	4.51E-09	0.00E+00	8.21E-09	4.17E-09	6.55E-09	0.00E+00	1.07E-08	6.99E-10	1.12E-09	0.00E+00	1.82E-09	3.06E-10	4.48E-10	0.00E+00	7.53E-10
5229	441142.8	3769286	3.73E-09	4.54E-09	0.00E+00	8.27E-09	4.20E-09	6.60E-09	0.00E+00	1.08E-08	7.04E-10	1.13E-09	0.00E+00	1.83E-09	3.08E-10	4.51E-10	0.00E+00	7.59E-10
5230	441128.2	3769280	3.75E-09	4.57E-09	0.00E+00	8.32E-09	4.22E-09	6.64E-09	0.00E+00	1.09E-08	7.08E-10	1.13E-09	0.00E+00	1.84E-09	3.10E-10	4.53E-10	0.00E+00	7.63E-10
5231	441113.5	3769274	3.76E-09	4.59E-09	0.00E+00	8.35E-09	4.24E-09	6.67E-09	0.00E+00	1.09E-08	7.12E-10	1.14E-09	0.00E+00	1.85E-09	3.11E-10	4.56E-10	0.00E+00	7.67E-10
5232	440868.5	3769167	3.65E-09	4.45E-09	0.00E+00	8.09E-09	4.11E-09	6.46E-09	0.00E+00	1.06E-08	6.89E-10	1.10E-09	0.00E+00	1.79E-09	3.02E-10	4.41E-10	0.00E+00	7.43E-10
5233	440862.4	3769152	3.74E-09	4.56E-09	0.00E+00	8.30E-09	4.22E-09	6.63E-09	0.00E+00	1.08E-08	7.07E-10	1.13E-09	0.00E+00	1.84E-09	3.09E-10	4.53E-10	0.00E+00	7.62E-10
5234	440856.3	3769137	3.84E-09	4.68E-09	0.00E+00	8.52E-09	4.33E-09	6.81E-09	0.00E+00	1.11E-08	7.26E-10	1.16E-09	0.00E+00	1.89E-09	3.18E-10	4.65E-10	0.00E+00	7.83E-10
5235	440850.2	3769123	3.95E-09	4.82E-09	0.00E+00	8.77E-09	4.46E-09	7.01E-09	0.00E+00	1.15E-08	7.47E-10	1.19E-09	0.00E+00	1.94E-09	3.27E-10	4.78E-10	0.00E+00	8.05E-10
5236	440844.1	3769108	4.12E-09	5.02E-09	0.00E+00	9.14E-09	4.64E-09	7.30E-09	0.00E+00	1.19E-08	7.79E-10	1.24E-09	0.00E+00	2.02E-09	3.41E-10	4.99E-10	0.00E+00	8.39E-10
5237	440838	3769093	4.23E-09	5.16E-09	0.00E+00	9.39E-09	4.77E-09	7.50E-09	0.00E+00	1.23E-08	8.00E-10	1.28E-09	0.00E+00	2.08E-09	3.50E-10	5.12E-10	0.00E+00	8.62E-10
5238	440831.9	3769079	4.34E-09	5.30E-09	0.00E+00	9.64E-09	4.90E-09	7.70E-09	0.00E+00	1.26E-08	8.21E-10	1.31E-09	0.00E+00	2.13E-09	3.59E-10	5.26E-10	0.00E+00	8.85E-10
5239	440789.1	3768976	5.20E-09	6.34E-09	0.00E+00	1.15E-08	5.86E-09	9.22E-09	0.00E+00	1.51E-08	9.83E-10	1.57E-09	0.00E+00	2.55E-09	4.30E-10	6.29E-10	0.00E+00	1.06E-09
5240	440783	3768962	5.33E-09	6.50E-09	0.00E+00	1.18E-08	6.01E-09	9.45E-09	0.00E+00	1.55E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.41E-10	6.45E-10	0.00E+00	1.09E-09
5241	440776.9	3768947	5.47E-09	6.67E-09	0.00E+00	1.21E-08	6.16E-09	9.69E-09	0.00E+00	1.59E-08	1.03E-09	1.65E-09	0.00E+00	2.69E-09	4.52E-10	6.62E-10	0.00E+00	1.11E-09
5242	440746.4	3768874	6.12E-09	7.47E-09	0.00E+00	1.36E-08	6.90E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.85E-09	0.00E+00	3.01E-09	5.06E-10	7.41E-10	0.00E+00	1.25E-09
5243	440740.3	3768859	6.25E-09	7.62E-09	0.00E+00	1.39E-08	7.04E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.17E-10	7.56E-10	0.00E+00	1.27E-09
5244	440734.2	3768844	6.37E-09	7.77E-09	0.00E+00	1.41E-08	7.19E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.13E-09	5.27E-10	7.71E-10	0.00E+00	1.30E-09
5245	440728.1	3768830	6.50E-09	7.92E-09	0.00E+00	1.44E-08	7.32E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.19E-09	5.37E-10	7.86E-10	0.00E+00	1.32E-09
5246	440722	3768815	6.61E-09	8.06E-09	0.00E+00	1.47E-08	7.45E-09	1.17E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.25E-09	5.47E-10	8.00E-10	0.00E+00	1.35E-09
5247	441260.9	3769331	3.48E-09	4.24E-09	0.00E+00	7.72E-09	3.92E-09	6.17E-09	0.00E+00	1.01E-08	6.58E-10	1.05E-09	0.00E+00	1.71E-09	2.88E-10	4.21E-10	0.00E+00	7.09E-10
5248	441277	3769331	3.53E-09	4.30E-09	0.00E+00	7.82E-09	3.97E-09	6.25E-09	0.00E+00	1.02E-08	6.67E-10	1.07E-09	0.00E+00	1.73E-09	2.92E-10	4.27E-10	0.00E+00	7.18E-10
5249	441185.8	3769344	3.25E-09	3.96E-09	0.00E+00	7.22E-09	3.67E-09	5.76E-09	0.00E+00	9.43E-09	6.15E-10	9.83E-10	0.00E+00	1.60E-09	2.69E-10	3.94E-10	0.00E+00	6.63E-10
5250	441170.9	3769338	3.28E-09	4.00E-09	0.00E+00	7.29E-09	3.70E-09	5.82E-09	0.00E+00	9.52E-09	6.21E-10	9.92E-10	0.00E+00	1.61E-09	2.72E-10	3.97E-10	0.00E+00	6.69E-10
5251	441156	3769331	3.32E-09	4.05E-09	0.00E+00	7.37E-09	3.74E-09	5.88E-09	0.00E+00	9.63E-09	6.28E-10	1.00E-09	0.00E+00	1.63E-09	2.74E-10	4.02E-10	0.00E+00	6.76E-10
5252	441141.1	3769325	3.35E-09	4.09E-09	0.00E+00	7.44E-09	3.78E-09	5.94E-09	0.00E+00	9.72E-09	6.34E-10	1.01E-09	0.00E+00	1.65E-09	2.77E-10	4.06E-10	0.00E+00	6.83E-10
5253	441126.2	3769319	3.37E-09	4.11E-09	0.00E+00	7.48E-09	3.80E-09	5.98E-09	0.00E+00	9.78E-09	6.38E-10	1.02E-09	0.00E+00	1.66E-09	2.79E-10	4.08E-10	0.00E+00	6.87E-10
5254	441111.3	3769313	3.39E-09	4.13E-09	0.00E+00	7.52E-09	3.82E-09	6.01E-09	0.00E+00	9.83E-09	6.41E-10	1.02E-09	0.00E+00	1.66E-09	2.80E-10	4.10E-10	0.00E+00	6.90E-10
5255	440796.8	3769091	4.01E-09	4.89E-09	0.00E+00	8.90E-09	4.52E-09	7.11E-09	0.00E+00	1.16E-08	7.58E-10	1.21E-09	0.00E+00	1.97E-09	3.32E-10	4.85E-10	0.00E+00	8.17E-10
5256	440790.6	3769076	4.11E-09	5.02E-09	0.00E+00	9.13E-09	4.64E-09	7.29E-09	0.00E+00	1.19E-08	7.78E-10	1.24E-09	0.00E+00	2.02E-09	3.40E-10	4.98E-10	0.00E+00	8.38E-10
5257	440784.4	3769061	4.22E-09	5.14E-09	0.00E+00	9.36E-09	4.76E-09	7.48E-09	0.00E+00	1.22E-08	7.98E-10	1.27E-09	0.00E+00	2.07E-09	3.49E-10	5.11E-10	0.00E+00	8.59E-10
5258	440778.2	3769046	4.33E-09	5.27E-09	0.00E+00	9.60E-09	4.88E-09	7.66E-09	0.00E+00	1.25E-08	8.18E-10	1.31E-09	0.00E+00	2.12E-09	3.58E-10	5.23E-10	0.00E+00	8.81E-10
5259	440753.4	3768987	4.76E-09	5.81E-09	0.00E+00	1.06E-08	5.37E-09	8.44E-09	0.00E+00	1.38E-08	9.00E-10	1.44E-09	0.00E+00	2.34E-09	3.94E-10	5.76E-10	0.00E+00	9.70E-10
5260	440747.2	3768972	4.88E-09	5.95E-09	0.00E+00	1.08E-08	5.50E-09	8.64E-09	0.00E+00	1.41E-08	9.22E-10	1.47E-09	0.00E+00	2.40E-09	4.03E-10	5.90E-10	0.00E+00	9.94E-10
5261	440741	3768957	4.99E-09	6.09E-09	0.00E+00	1.11E-08	5.63E-09	8.85E-09	0.00E+00	1.45E-08	9.44E-10	1.51E-09	0.00E+00	2.45E-09	4.13E-10	6.04E-10	0.00E+00	1.02E-09

5262	440703.8	3768868	5.68E-09	6.92E-09	0.00E+00	1.26E-08	6.40E-09	1.01E-08	0.00E+00	1.65E-08	1.07E-09	1.71E-09	0.00E+00	2.79E-09	4.69E-10	6.87E-10	0.00E+00	1.16E-09
5263	440697.6	3768853	5.78E-09	7.05E-09	0.00E+00	1.28E-08	6.52E-09	1.03E-08	0.00E+00	1.68E-08	1.09E-09	1.75E-09	0.00E+00	2.84E-09	4.78E-10	7.00E-10	0.00E+00	1.18E-09
5264	440691.4	3768838	5.89E-09	7.18E-09	0.00E+00	1.31E-08	6.64E-09	1.04E-08	0.00E+00	1.71E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.87E-10	7.13E-10	0.00E+00	1.20E-09
5265	440685.2	3768823	5.99E-09	7.30E-09	0.00E+00	1.33E-08	6.75E-09	1.06E-08	0.00E+00	1.74E-08	1.13E-09	1.81E-09	0.00E+00	2.94E-09	4.95E-10	7.25E-10	0.00E+00	1.22E-09
5266	440679	3768808	6.09E-09	7.42E-09	0.00E+00	1.35E-08	6.86E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.03E-10	7.37E-10	0.00E+00	1.24E-09
5267	441245.4	3769408	2.87E-09	3.50E-09	0.00E+00	6.36E-09	3.23E-09	5.08E-09	0.00E+00	8.31E-09	5.42E-10	8.66E-10	0.00E+00	1.41E-09	2.37E-10	3.47E-10	0.00E+00	5.84E-10
5268	441230.5	3769402	2.88E-09	3.51E-09	0.00E+00	6.39E-09	3.24E-09	5.10E-09	0.00E+00	8.34E-09	5.44E-10	8.70E-10	0.00E+00	1.41E-09	2.38E-10	3.48E-10	0.00E+00	5.86E-10
5269	441215.7	3769396	2.90E-09	3.53E-09	0.00E+00	6.43E-09	3.27E-09	5.14E-09	0.00E+00	8.41E-09	5.48E-10	8.76E-10	0.00E+00	1.42E-09	2.40E-10	3.51E-10	0.00E+00	5.91E-10
5270	441126.7	3769359	3.04E-09	3.70E-09	0.00E+00	6.74E-09	3.42E-09	5.38E-09	0.00E+00	8.80E-09	5.74E-10	9.17E-10	0.00E+00	1.49E-09	2.51E-10	3.67E-10	0.00E+00	6.18E-10
5271	441111.8	3769353	3.07E-09	3.74E-09	0.00E+00	6.80E-09	3.46E-09	5.43E-09	0.00E+00	8.89E-09	5.80E-10	9.26E-10	0.00E+00	1.51E-09	2.54E-10	3.71E-10	0.00E+00	6.25E-10
5272	441097	3769347	3.09E-09	3.77E-09	0.00E+00	6.86E-09	3.48E-09	5.47E-09	0.00E+00	8.96E-09	5.84E-10	9.33E-10	0.00E+00	1.52E-09	2.55E-10	3.74E-10	0.00E+00	6.29E-10
5273	441082.2	3769341	3.11E-09	3.79E-09	0.00E+00	6.90E-09	3.50E-09	5.51E-09	0.00E+00	9.01E-09	5.88E-10	9.39E-10	0.00E+00	1.53E-09	2.57E-10	3.76E-10	0.00E+00	6.33E-10
5274	441067.3	3769335	3.12E-09	3.81E-09	0.00E+00	6.93E-09	3.52E-09	5.54E-09	0.00E+00	9.06E-09	5.91E-10	9.44E-10	0.00E+00	1.53E-09	2.58E-10	3.78E-10	0.00E+00	6.37E-10
5275	441052.5	3769329	3.13E-09	3.82E-09	0.00E+00	6.95E-09	3.53E-09	5.55E-09	0.00E+00	9.08E-09	5.92E-10	9.47E-10	0.00E+00	1.54E-09	2.59E-10	3.79E-10	0.00E+00	6.38E-10
5276	441037.6	3769323	3.13E-09	3.82E-09	0.00E+00	6.95E-09	3.53E-09	5.55E-09	0.00E+00	9.08E-09	5.92E-10	9.47E-10	0.00E+00	1.54E-09	2.59E-10	3.79E-10	0.00E+00	6.38E-10
5277	440963.4	3769292	3.10E-09	3.78E-09	0.00E+00	6.87E-09	3.49E-09	5.49E-09	0.00E+00	8.98E-09	5.85E-10	9.36E-10	0.00E+00	1.52E-09	2.56E-10	3.75E-10	0.00E+00	6.31E-10
5278	440948.6	3769286	3.09E-09	3.77E-09	0.00E+00	6.87E-09	3.49E-09	5.48E-09	0.00E+00	8.97E-09	5.85E-10	9.35E-10	0.00E+00	1.52E-09	2.56E-10	3.75E-10	0.00E+00	6.30E-10
5279	440933.8	3769280	3.09E-09	3.77E-09	0.00E+00	6.86E-09	3.48E-09	5.48E-09	0.00E+00	8.96E-09	5.84E-10	9.34E-10	0.00E+00	1.52E-09	2.56E-10	3.74E-10	0.00E+00	6.30E-10
5280	440918.9	3769273	3.08E-09	3.76E-09	0.00E+00	6.84E-09	3.48E-09	5.47E-09	0.00E+00	8.94E-09	5.83E-10	9.32E-10	0.00E+00	1.51E-09	2.55E-10	3.73E-10	0.00E+00	6.28E-10
5281	440904.1	3769267	3.08E-09	3.75E-09	0.00E+00	6.83E-09	3.47E-09	5.45E-09	0.00E+00	8.92E-09	5.82E-10	9.30E-10	0.00E+00	1.51E-09	2.54E-10	3.72E-10	0.00E+00	6.27E-10
5282	440787.3	3769164	3.32E-09	4.05E-09	0.00E+00	7.37E-09	3.74E-09	5.88E-09	0.00E+00	9.62E-09	6.28E-10	1.00E-09	0.00E+00	1.63E-09	2.74E-10	4.02E-10	0.00E+00	6.76E-10
5283	440781.1	3769149	3.44E-09	4.20E-09	0.00E+00	7.64E-09	3.88E-09	6.10E-09	0.00E+00	9.98E-09	6.51E-10	1.04E-09	0.00E+00	1.69E-09	2.85E-10	4.17E-10	0.00E+00	7.01E-10
5284	440774.9	3769134	3.53E-09	4.30E-09	0.00E+00	7.82E-09	3.97E-09	6.25E-09	0.00E+00	1.02E-08	6.66E-10	1.07E-09	0.00E+00	1.73E-09	2.91E-10	4.27E-10	0.00E+00	7.18E-10
5285	440768.7	3769119	3.61E-09	4.40E-09	0.00E+00	8.01E-09	4.07E-09	6.40E-09	0.00E+00	1.05E-08	6.83E-10	1.09E-09	0.00E+00	1.77E-09	2.99E-10	4.37E-10	0.00E+00	7.36E-10
5286	440762.5	3769105	3.70E-09	4.51E-09	0.00E+00	8.21E-09	4.17E-09	6.56E-09	0.00E+00	1.07E-08	6.99E-10	1.12E-09	0.00E+00	1.82E-09	3.06E-10	4.48E-10	0.00E+00	7.54E-10
5287	440756.4	3769090	3.79E-09	4.62E-09	0.00E+00	8.41E-09	4.27E-09	6.71E-09	0.00E+00	1.10E-08	7.16E-10	1.14E-09	0.00E+00	1.86E-09	3.13E-10	4.59E-10	0.00E+00	7.72E-10
5288	440750.2	3769075	3.88E-09	4.73E-09	0.00E+00	8.61E-09	4.37E-09	6.88E-09	0.00E+00	1.13E-08	7.34E-10	1.17E-09	0.00E+00	1.91E-09	3.21E-10	4.70E-10	0.00E+00	7.90E-10
5289	440744	3769060	3.97E-09	4.84E-09	0.00E+00	8.81E-09	4.48E-09	7.04E-09	0.00E+00	1.15E-08	7.51E-10	1.20E-09	0.00E+00	1.95E-09	3.28E-10	4.81E-10	0.00E+00	8.09E-10
5290	440737.8	3769045	4.06E-09	4.95E-09	0.00E+00	9.02E-09	4.58E-09	7.20E-09	0.00E+00	1.18E-08	7.68E-10	1.23E-09	0.00E+00	2.00E-09	3.36E-10	4.92E-10	0.00E+00	8.28E-10
5291	440713.1	3768986	4.45E-09	5.42E-09	0.00E+00	9.87E-09	5.01E-09	7.88E-09	0.00E+00	1.29E-08	8.41E-10	1.34E-09	0.00E+00	2.19E-09	3.68E-10	5.38E-10	0.00E+00	9.06E-10
5292	440706.9	3768971	4.55E-09	5.55E-09	0.00E+00	1.01E-08	5.13E-09	8.06E-09	0.00E+00	1.32E-08	8.60E-10	1.37E-09	0.00E+00	2.23E-09	3.76E-10	5.51E-10	0.00E+00	9.27E-10
5293	440700.8	3768956	4.65E-09	5.67E-09	0.00E+00	1.03E-08	5.24E-09	8.24E-09	0.00E+00	1.35E-08	8.79E-10	1.41E-09	0.00E+00	2.28E-09	3.85E-10	5.63E-10	0.00E+00	9.47E-10
5294	440694.6	3768942	4.75E-09	5.79E-09	0.00E+00	1.05E-08	5.36E-09	8.42E-09	0.00E+00	1.38E-08	8.98E-10	1.44E-09	0.00E+00	2.33E-09	3.93E-10	5.75E-10	0.00E+00	9.68E-10
5295	440688.4	3768927	4.85E-09	5.92E-09	0.00E+00	1.08E-08	5.47E-09	8.60E-09	0.00E+00	1.41E-08	9.17E-10	1.47E-09	0.00E+00	2.38E-09	4.01E-10	5.87E-10	0.00E+00	9.88E-10
5296	440682.2	3768912	4.95E-09	6.04E-09	0.00E+00	1.10E-08	5.58E-09	8.77E-09	0.00E+00	1.44E-08	9.36E-10	1.50E-09	0.00E+00	2.43E-09	4.09E-10	5.99E-10	0.00E+00	1.01E-09
5297	440676.1	3768897	5.05E-09	6.15E-09	0.00E+00	1.12E-08	5.69E-09	8.95E-09	0.00E+00	1.46E-08	9.54E-10	1.53E-09	0.00E+00	2.48E-09	4.17E-10	6.11E-10	0.00E+00	1.03E-09
5298	440663.7	3768867	5.23E-09	6.38E-09	0.00E+00	1.16E-08	5.90E-09	9.28E-09	0.00E+00	1.52E-08	9.90E-10	1.58E-09	0.00E+00	2.57E-09	4.33E-10	6.34E-10	0.00E+00	1.07E-09
5299	440657.5	3768853	5.32E-09	6.49E-09	0.00E+00	1.18E-08	6.00E-09	9.44E-09	0.00E+00	1.54E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.40E-10	6.44E-10	0.00E+00	1.08E-09
5300	440651.3	3768838	5.41E-09	6.60E-09	0.00E+00	1.20E-08	6.10E-09	9.59E-09	0.00E+00	1.57E-08	1.02E-09	1.63E-09	0.00E+00	2.66E-09	4.47E-10	6.55E-10	0.00E+00	1.10E-09
5301	440645.2	3768823	5.50E-09	6.70E-09	0.00E+00	1.22E-08	6.20E-09	9.74E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.55E-10	6.65E-10	0.00E+00	1.12E-09
5302	440639	3768808	5.58E-09	6.80E-09	0.00E+00	1.24E-08	6.29E-09	9.89E-09	0.00E+00	1.62E-08	1.06E-09	1.69E-09	0.00E+00	2.74E-09	4.61E-10	6.75E-10	0.00E+00	1.14E-09
5303	441260.9	3769411	2.89E-09	3.52E-09	0.00E+00	6.41E-09	3.26E-09	5.12E-09	0.00E+00	8.37E-09	5.46E-10	8.73E-10	0.00E+00	1.42E-09	2.39E-10	3.50E-10	0.00E+00	5.88E-10
5304	441277	3769411	2.93E-09	3.57E-09	0.00E+00	6.49E-09	3.30E-09	5.18E-09	0.00E+00	8.48E-09	5.53E-10	8.84E-10	0.00E+00	1.44E-09	2.42E-10	3.54E-10	0.00E+00	5.96E-10
5305	441245.4	3769448	2.63E-09	3.20E-09	0.00E+00	5.83E-09	2.96E-09	4.66E-09	0.00E+00	7.62E-09	4.97E-10	7.94E-10	0.00E+00	1.29E-09	2.17E-10	3.18E-10	0.00E+00	5.35E-10
5306	441230.6	3769442	2.64E-09	3.22E-09	0.00E+00	5.85E-09	2.97E-09	4.67E-09	0.00E+00	7.65E-09	4.99E-10	7.97E-10	0.00E+00	1.30E-09	2.18E-10	3.19E-10	0.00E+00	5.37E-10
5307	441215.8	3769436	2.66E-09	3.24E-09	0.00E+00	5.89E-09	2.99E-09	4.71E-09	0.00E+00	7.70E-09	5.02E-10	8.02E-10	0.00E+00	1.30E-09	2.20E-10	3.21E-10	0.00E+00	5.41E-10
5308	441186.2	3769424	2.69E-09	3.28E-09	0.00E+00	5.97E-09	3.03E-09	4.76E-09	0.00E+00	7.80E-09	5.08E-10	8.12E-10	0.00E+00	1.32E-09	2.22E-10	3.25E-10	0.00E+00	5.48E-10
5309	441171.4	3769418	2.71E-09	3.30E-09	0.00E+00	6.01E-09	3.06E-09	4.80E-09	0.00E+00	7.86E-09	5.12E-10	8.19E-10	0.00E+00	1.33E-09	2.24E-10	3.28E-10	0.00E+00	5.52E-10
5310	441156.6	3769412	2.73E-09	3.33E-09	0.00E+00	6.07E-09	3.08E-09	4.85E-09	0.00E+00	7.93E-09	5.17E-10	8.26E-10	0.00E+00	1.34E-09	2.26E-10	3.31E-10	0.00E+00	5.57E-10
5311	441141.9	3769406	2.76E-09	3.36E-09	0.00E+00	6.12E-09	3.11E-09	4.88E-09	0.00E+00	7.99E-09	5.21E-10	8.33E-10	0.00E+00	1.35E-09	2.28E-10	3.34E-10	0.00E+00	5.61E-10
5312	441127.1	3769399	2.78E-09	3.38E-09	0.00E+00	6.16E-09	3.13E-09	4.92E-09	0.00E+00	8.05E-09	5.25E-10	8.39E-10	0.00E+00	1.36E-09	2.30E-10	3.36E-10	0.00E+00	5.66E-10
5313	441112.3	3769393	2.79E-09	3.41E-09	0.00E+00	6.20E-09	3.15E-09	4.95E-09	0.00E+00	8.10E-09	5.28E-10	8.44E-10	0.00E+00	1.37E-09	2.31E-10	3.38E-10	0.00E+00	5.69E-10
5314	441097.5	3769387	2.81E-09	3.43E-09	0.00E+00	6.24E-09	3.17E-09	4.98E-09	0.00E+00	8.15E-09	5.31E-10	8.49E-10	0.00E+00	1.38E-09	2.32E-10	3.40E-10	0.00E+00	5.73E-10
5315	441023.5	3769357	2.87E-09	3.50E-09	0.00E+00	6.37E-09	3.24E-09	5.09E-09	0.00E+00	8.33E-09	5.43E-10	8.68E-10	0.00E+00	1.41E-09	2.38E-10	3.48E-10	0.00E+00	5.85E-10
5316	441008.7	3769351	2.88E-09	3.51E-09	0.00E+00	6.38E-09	3.24E-09	5.10E-09	0.00E+00	8.34E-09	5.44E-10	8.69E-10	0.00E+00	1.41E-09	2.38E-10	3.48E-10	0.00E+00	5.86E-10
5317	440993.9	3769344	2.87E-09	3.50E-09	0.00E+00	6.38E-09	3.24E-09	5.09E-09	0.00E+00	8.33E-09	5.43E-10	8.68E-10	0.00E+00	1.41E-09	2.38E-10	3.48E-10	0.00E+00	5.85E-10
5318	440979.1	3769338	2.87E-09	3.50E-09	0.00E+00	6.36E-09	3.23E-09	5.08E-09	0.00E+00	8.31E-09	5.42E-10	8.66E-10	0.00E+00	1.41E-09	2.37E-10	3.47E-10	0.00E+00	5.84E-10
5319	440905.2	3769308	2.84E-09	3.46E-09	0.00E+00	6.31E-09	3.20E-09	5.04E-09	0.00E+00	8.24E-09	5.37E-10	8.59E-10	0.00E+00	1.40E-09	2.35E-10	3.44E-10	0.00E+00	5.79E-10
5320	440890.4	3769302	2.83E-09	3.45E-09	0.00E+00	6.29E-09	3.19E-09	5.02E-09	0.00E+00	8.22E-09	5.36E-10	8.56E-10	0.00E+00	1.39E-09	2.34E-10	3.43E-10	0.00E+00	5.77E-10
5321	440875.6	3769296	2.83E-09	3.44E-09	0.00E+00	6.27E-09	3.18E-09	5.01E-09	0.00E+00	8.19E-09	5.34E-10	8.54E-10	0.00E+00	1.39E-09	2.34E-10	3.42E-10	0.00E+00	5.76E-10
5322	440860.8	3769289	2.81E-09	3.43E-09	0.00E+00	6.24E-09	3.17E-09	4.99E-09	0.00E+00	8.16E-09	5.32E-10	8.50E-10	0.00E+00	1.38E-09	2.33E-10	3.41E-10	0.00E+00	5.73E-10
5323	440846	3769283	2.79E-09	3.41E-09	0.00E+00	6.20E-09	3.15E-09	4.95E-09	0.00E+00	8.10E-09	5.28E-10	8.44E-10	0.00E+00	1.37E-09	2.31E-10	3.38E-10	0.00E+00	5.69E-10
5324	440831.2	3769277	2.77E-09	3.38E-09	0.00E+00	6.15E-09	3.12E-09	4.91E-09	0.00E+00	8.03E-09	5.24E-10	8.37E-10	0.00E+00	1.36E-09	2.29E-10	3.35E-10	0.00E+00	5.64E-10
5325	440746.8	3769163	3.20E-09	3.91E-09	0.00E+00	7.11E-09	3.61E-09	5.68E-09	0.00E+00	9.29E-09	6.06E-10	9.68E-10	0.00E+00	1.57E-09	2.65E-10	3.88E-10	0.00E+00	6.53E-10
5326	440740.6	3769148	3.28E-09	3.99E-09	0.00E+00	7.27E-09	3.69E-09	5.80E-09	0.00E+00	9.50E-09	6.19E-10	9.90E-10	0.00E+00	1.61E-09	2.71E-10	3.96E-10	0.00E+00	6.67E-10
5327	440734.5	3769133	3.35E-09	4.08E-09	0.00E+00	7.43E-09	3.78E-09	5.94E-09	0.00E+00	9.71E-09	6.33E-10	1.01E-09	0.00E+00	1.65E-09	2.77E-10	4.05E-10	0.00E+00	6.82E-10
5328	440728.3	3769118	3.43E-09	4.18E-09	0.00E+00	7.61E-09	3.86E-09	6.07E-09	0.00E+00	9.94E-09	6.48E-10	1.04E-09	0.00E+00	1.68E-09	2.83E-10	4.15E-10	0.00E+00	6.98E-10
5329	440722.1	3769104	3.51E-09	4.27E-09	0.00E+00	7.78E-09	3.95E-09	6.21E-09	0.00E+00	1.02E-08	6.63E-10	1.06E-09	0.00E+00	1.72E-09	2.90E-10	4.24E-10	0.00E+00	7.14E-10
5330	440716	3769089	3.59E-09	4.37E-09	0.00E+00	7.96E-09	4.04E-09	6.35E-09	0.00E+00	1.04E-08	6.78E-10	1.08E-09	0.00E+00	1.76E-09	2.96E-10	4.34E-10	0.00E+00	7.30E-10
5331	440709.8	3769074	3.67E-09	4.47E-09	0.00E+00	8.13E-09	4.13E-09	6.49E-09	0.00E+00	1.06E-08	6.93E-10	1.11E-09	0.00E+00	1.80E-09	3.03E-10	4.44E-10	0.00E+00	7.47E-10
5332	440703.7	3769059	3.74E-09	4.56E-09	0.00E+00	8.31E-09	4.22E-09	6.64E-09	0.00E+00	1.09E-08	7.08E-10	1.13E-09	0.00E+00	1.84E-09	3.10E-10	4.53E-10	0.00E+00	7.63E-10
5333	440672.9	3768986	4.16E-09	5.08E-09	0.00E+00	9.24E-09	4.69E-09	7.38E-09	0.00E+00	1.21E-08	7.87E-10	1.26E-09	0.00E+00	2.05E-09	3.44E-10	5.04E-10	0.00E+00	8.48E-10
5334	440666.7	3768971	4.25E-09	5.18E-09	0.00E+00	9.44E-09	4.79E-09	7.54E-09	0.00E+00	1.23E-08	8.04E-10	1.28E-09	0.00E+00	2.09E-09	3.52E-10	5.15E-10	0.00E+00	8.66E-10
5335	440660.6	3768956	4.34E-09	5.29E-09	0.00E+00	9.63E-09	4.89E-09	7.69E-09	0.00E+00	1.26E-08	8.20E-10	1.31E-09	0.00E+00	2.13E-09	3.59E-10	5.25E-10	0.00E+00	8.84E-10
5336	440654.4	3768941	4.43E-09	5.40E-09	0.00E+00	9.83E-09	4.99E-09	7.85E-09	0.00E+00	1.28E-08	8.37E-10	1.34E-09	0.00E+00	2.18E-09	3.66E-10	5.36E-10	0.00E+00	9.02E-10
5337	440648.2	3768926	4.52E-09	5.51E-09	0.00E+00	1.00E-08	5.09E-09	8.00E-09	0.00E+00	1.31E-08	8.54E-10	1.36E-09	0.00E+00	2.22E-09	3.73E-10	5.47E-10	0.00E+00	9.20E-10
5338	440642.1	3768912	4.60E-09	5.61E-09	0.00E+00	1.02E-08	5.19E-09	8.16E-09	0.00E+00	1.33E-08	8.70E-10	1.39E-09	0.00E+00	2.26E-09	3.81E-10	5.57E-10	0.00E+00	9.38E-10
5339	440635.9	3768897	4.69E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.30E-09	0.00E+00	1.36E-08	8.86E-10	1.42E-09	0.00E+00	2.30E-09	3.87E-10	5.67E-10	0.00E+00	9.54E-10
5340	440623.6	3768867	4.84E-09	5.90E-09	0.00E+00	1.07E-08	5.46E-09	8.58E-09	0.00E+00	1.40E-08	9.16E-10	1.46E-09	0.00E+00	2.38E-09	4.00E-10	5.86E-10	0.00E+00	9.87E-10
5341	440617.4	3768853	4.92E-09	5.99E-09	0.00E+00	1.09E-08	5.54E-09	8.71E-09	0.00E+00	1.43E-08	9.30E-10	1.49E-09	0.00E+00	2.42E-09	4.07E-10	5.95E-10	0.00E+00	1.00E-09
5342	440611.3	3768838	4.99E-09	6.08E-09	0.00E+00	1.11E-08	5.62E-09	8.84E-09	0.00E+00	1.45E-08	9.43E-10	1.51E-09	0.00E+00	2.45E-09	4.12E-10	6.04E-10	0.00E+00	1.02E-09
5343	440605.1	3768823	5.07E-09	6.18E-09	0.00E+00	1.12E-08	5.71E-09	8.98E-09	0.00E+00	1.47E-08	9.58E-10	1.53E-09	0.00E+00	2.49E-09	4.19E-10	6.13E-10	0.00E+00	1.03E-09
5344	440599	3768808	5.14E-09	6.27E-09	0.00E+00	1.14E-08	5.80E-09	9.11E-09	0.00E+00	1.49E-08	9.72E-10	1.55E-09	0.00E+00	2.53E-09	4.25E-10	6.22E-10	0.00E+00	1.05E-09
5345	441260.9	3769451	2.64E-09	3.22E-09	0.00E+00	5.87E-09	2.98E-09	4.68E-09	0.00E+00	7.66E-09	5.00E-10	7.99E-10	0.00E+00	1.30E-09	2.19E-10	3.20E-10	0.00E+00	5.39E-10
5346	441277	3769451	2.68E-09	3.26E-09	0.00E+00	5.94E-09	3.02E-09	4.74E-09	0.00E+00	7.76E-09	5.06E-10	8.08E-10	0.00E+00	1.31E-09	2.21E-10	3.24E-10	0.00E+00	5.45E-10
5347	441186.4	3769464	2.47E-09	3.01E-09	0.00E+00	5.48E-09	2.79E-09	4.38E-09	0.00E+00	7.16E-09	4.67E-10	7.47E-10	0.00E+00	1.21E-09	2.04E-10	2.99E-10	0.00E+00	5.03E-10
5348	441171.7	3769458	2.49E-09	3.04E-09	0.00E+00	5.53E-09	2.81E-09	4.41E-09	0.00E+00	7.22E-09	4.71E-10	7.52E-10	0.00E+00	1.22E-09	2.06E-10	3.01E-10	0.00E+00	5.07E-10
5349	441156.9	3769452	2.51E-09	3.06E-09	0.00E+00	5.57E-09	2.83E-09	4.45E-09	0.00E+00	7.28E-09	4.75E-10	7.59E-10	0.00E+00	1.23E-09	2.08E-10	3.04E-10	0.00E+00	5.12E-10
5350	441142.2	3769446	2.53E-09	3.09E-09	0.00E+00	5.62E-09	2.85E-09	4.49E-09	0.00E+00	7.34E-09	4.79E-10	7.65E-10	0.00E+00	1.24E-09	2.09E-10	3.06E-10	0.00E+00	5.16E-10
5351	441127.4	3769440	2.55E-09	3.11E-09	0.00E+00	5.66E-09	2.88E-09	4.52E-09	0.00E+00	7.40E-09	4.83E-10	7.71E-10	0.00E+00	1.25E-09	2.11E-10	3.09E-10	0.00E+00	5.20E-10
5352	441112.7	3769434	2.57E-09	3.13E-09	0.00E+00	5.70E-09	2.90E-09	4.55E-09	0.00E+00	7.45E-09	4.86E-10	7.76E-10	0.00E+00	1.26E-09	2.12E-10	3.11E-10	0.00E+00	5.23E-10
5353	441097.9	3769427	2.58E-09	3.15E-09	0.00E+00	5.73E-09	2.91E-09	4.58E-09	0.00E+00	7.49E-09	4.88E-10	7.80E-10	0.00E+00	1.27E-09	2.14E-10	3.13E-10	0.00E+00	5.26E-10
5354	441083.1	3769421	2.59E-09	3.16E-09	0.00E+00	5.76E-09	2.92E-09	4.60E-09	0.00E+00	7.52E-09	4.91E-10	7.84E-10	0.00E+00	1.27E-09	2.15E-10	3.14E-10	0.00E+00	5.29E-10
5355	441068.4	3769415	2.61E-09	3.18E-09	0.00E+00	5.78E-09	2.94E-09	4.62E-09	0.00E+00	7.56E-09	4.93E-10	7.87E-10	0.00E+00	1.28E-09	2.15E-10	3.15E-10	0.00E+00	5.31E-10
5356	441053.6	3769409	2.62E-09	3.19E-09	0.00E+00	5.81E-09	2.95E-09	4.64E-09	0.00E+00	7.59E-09	4.95E-10	7.91E-10	0.00E+00	1.29E-09	2.17E-10	3.17E-10	0.00E+00	5.34E-10
5357	441038.9	3769403	2.63E-09	3.21E-09	0.00E+00	5.84E-09	2.97E-09	4.67E-09	0.00E+00	7.63E-09	4.98E-10	7.96E-10	0.00E+00	1.29E-09	2.18E-10	3.19E-10	0.00E+00	5.36E-10
5358	440935.6	3769360	2.64E-09	3.21E-09	0.00E+00	5.85E-09	2.97E-09	4.67E-09	0.00E+00	7.64E-09	4.98E-10	7.96E-10	0.00E+00	1.29E-09	2.18E-10	3.19E-10	0.00E+00	5.37E-10
5359	440920.9	3769354	2.63E-09	3.21E-09	0.00E+00	5.84E-09	2.96E-09	4.66E-09	0.00E+00	7.63E-09	4.97E-10	7.95E-10	0.00E+00	1.29E-09	2.17E-10	3.18E-10	0.00E+00	5.36E-10
5360	440906.1	3769348	2.62E-09	3.20E-09	0.00E+00	5.82E-09	2.96E-09	4.65E-09	0.00E+00	7.60E-09	4.96E-10	7.92E-10	0.00E+00	1.29E-09	2.17E-10	3.17E-10	0.00E+00	5.34E-10
5361	440891.4	3769342	2.61E-09	3.19E-09	0.00E+00	5.80E-09	2.95E-09	4.63E-09	0.00E+00	7.57E-09	4.94E-10	7.89E-10	0.00E+00	1.28E-09	2.16E-10	3.16E-10	0.00E+00	5.32E-10
5362	440876.6	3769336	2.60E-09	3.18E-09	0.00E+00	5.78E-09	2.94E-09	4.62E-09	0.00E+00	7.55E-09	4.92E-10	7.87E-10	0.00E+00	1.28E-09	2.15E-10	3.15E-10	0.00E+00	5.31E-10
5363	440861.8	3769330	2.60E-09	3.17E-09	0.00E+00	5.77E-09	2.93E-09	4.61E-09	0.00E+00	7.54E-09	4.91E-10	7.85E-10	0.00E+00	1.28E-09	2.15E-10	3.15E-10	0.00E+00	5.30E-10
5364	440847.1	3769324	2.59E-09	3.16E-09	0.00E+00	5.75E-09	2.92E-09	4.59E-09	0.00E+00	7.51E-09	4.90E-10	7.83E-10	0.00E+00	1.27E-09	2.14E-10	3.14E-10	0.00E+00	5.28E-10
5365	440832.3	3769318	2.57E-09	3.14E-09	0.00E+00	5.71E-09	2.90E-09	4.56E-09	0.00E+00	7.46E-09	4.87E-10	7.78E-10	0.00E+00	1.26E-09	2.13E-10	3.12E-10	0.00E+00	5.24E-10
5366	440802.8	3769305	2.54E-09	3.10E-09	0.00E+00	5.64E-09	2.87E-09	4.51E-09	0.00E+00	7.38E-09	4.81E-10	7.69E-10	0.00E+00	1.25E-09	2.10E-10	3.08E-10	0.00E+00	5.18E-10
5367	440788.1	3769299	2.53E-09	3.09E-09	0.00E+00	5.62E-09	2.85E-09	4.49E-09	0.00E+00	7.34E-09	4.78E-10	7.65E-10	0.00E+00	1.24E-09	2.09E-10	3.06E-10	0.00E+00	5.16E-10
5368	440706.4	3769162	3.02E-09	3.68E-09	0.00E+00	6.69E-09	3.40E-09	5.34E-09	0.00E+00	8.74E-09	5.70E-10	9.11E-10	0.00E+00	1.48E-09	2.49E-10	3.65E-10	0.00E+00	6.14E-10
5369	440700.2	3769147	3.12E-09	3.80E-09	0.00E+00	6.92E-09	3.52E-09	5.53E-09	0.00E+00	9.04E-09	5.90E-10	9.42E-10	0.00E+00	1.53E-09	2.58E-10	3.77E-10	0.00E+00	6.35E-10
5370	440694.1	3769132	3.19E-09	3.88E-09	0.00E+00	7.07E-09	3.59E-09	5.65E-09	0.00E+00	9.24E-09	6.02E-10	9.63E-10	0.00E+00	1.57E-09	2.63E-10	3.86E-10	0.00E+00	6.49E-10
5371	440687.9	3769118	3.26E-09	3.97E-09	0.00E+00	7.22E-09	3.67E-09	5.77E-09	0.00E+00	9.44E-09	6.15E-10	9.83E-10	0.00E+00	1.60E-09	2.69E-10	3.94E-10	0.00E+00	6.63E-10
5372	440681.8	3769103	3.32E-09	4.05E-09	0.00E+00	7.38E-09	3.75E-09	5.89E-09	0.00E+00	9.64E-09	6.28E-10	1.00E-09	0.00E+00	1.63E-09	2.75E-10	4.02E-10	0.00E+00	6.77E-10
5373	440675.7	3769088	3.39E-09	4.14E-09	0.00E+00	7.53E-09	3.83E-09	6.01E-09	0.00E+00	9.84E-09	6.42E-10	1.03E-09	0.00E+00	1.67E-09	2.81E-10	4.11E-10	0.00E+00	6.91E-10

5374	440669.5	3769074	3.47E-09	4.22E-09	0.00E+00	7.69E-09	3.91E-09	6.14E-09	0.00E+00	1.00E-08	6.55E-10	1.05E-09	0.00E+00	1.70E-09	2.87E-10	4.19E-10	0.00E+00	7.06E-10
5375	440663.4	3769059	3.54E-09	4.31E-09	0.00E+00	7.85E-09	3.99E-09	6.27E-09	0.00E+00	1.03E-08	6.69E-10	1.07E-09	0.00E+00	1.74E-09	2.93E-10	4.28E-10	0.00E+00	7.21E-10
5376	440632.7	3768985	3.91E-09	4.77E-09	0.00E+00	8.68E-09	4.41E-09	6.93E-09	0.00E+00	1.13E-08	7.40E-10	1.18E-09	0.00E+00	1.92E-09	3.24E-10	4.74E-10	0.00E+00	7.97E-10
5377	440626.5	3768970	3.99E-09	4.86E-09	0.00E+00	8.85E-09	4.50E-09	7.07E-09	0.00E+00	1.16E-08	7.54E-10	1.20E-09	0.00E+00	1.96E-09	3.30E-10	4.83E-10	0.00E+00	8.12E-10
5378	440620.4	3768956	4.06E-09	4.95E-09	0.00E+00	9.02E-09	4.58E-09	7.20E-09	0.00E+00	1.18E-08	7.68E-10	1.23E-09	0.00E+00	2.00E-09	3.36E-10	4.92E-10	0.00E+00	8.28E-10
5379	440614.2	3768941	4.14E-09	5.05E-09	0.00E+00	9.18E-09	4.67E-09	7.33E-09	0.00E+00	1.20E-08	7.82E-10	1.25E-09	0.00E+00	2.03E-09	3.42E-10	5.01E-10	0.00E+00	8.43E-10
5380	440608.1	3768926	4.21E-09	5.14E-09	0.00E+00	9.35E-09	4.75E-09	7.47E-09	0.00E+00	1.22E-08	7.97E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.10E-10	0.00E+00	8.58E-10
5381	440601.9	3768911	4.29E-09	5.23E-09	0.00E+00	9.52E-09	4.83E-09	7.60E-09	0.00E+00	1.24E-08	8.11E-10	1.30E-09	0.00E+00	2.11E-09	3.55E-10	5.19E-10	0.00E+00	8.74E-10
5382	441098.3	3769468	2.38E-09	2.90E-09	0.00E+00	5.28E-09	2.68E-09	4.22E-09	0.00E+00	6.90E-09	4.50E-10	7.19E-10	0.00E+00	1.17E-09	1.97E-10	2.88E-10	0.00E+00	4.85E-10
5383	441083.6	3769461	2.39E-09	2.91E-09	0.00E+00	5.30E-09	2.69E-09	4.24E-09	0.00E+00	6.93E-09	4.52E-10	7.22E-10	0.00E+00	1.17E-09	1.98E-10	2.89E-10	0.00E+00	4.87E-10
5384	441068.8	3769455	2.40E-09	2.92E-09	0.00E+00	5.32E-09	2.70E-09	4.25E-09	0.00E+00	6.96E-09	4.54E-10	7.25E-10	0.00E+00	1.18E-09	1.98E-10	2.90E-10	0.00E+00	4.89E-10
5385	441054.1	3769449	2.41E-09	2.94E-09	0.00E+00	5.34E-09	2.71E-09	4.27E-09	0.00E+00	6.98E-09	4.55E-10	7.27E-10	0.00E+00	1.18E-09	1.99E-10	2.91E-10	0.00E+00	4.90E-10
5386	441039.4	3769443	2.41E-09	2.94E-09	0.00E+00	5.36E-09	2.72E-09	4.28E-09	0.00E+00	7.00E-09	4.56E-10	7.29E-10	0.00E+00	1.19E-09	2.00E-10	2.92E-10	0.00E+00	4.92E-10
5387	440921.7	3769395	2.44E-09	2.98E-09	0.00E+00	5.42E-09	2.75E-09	4.32E-09	0.00E+00	7.08E-09	4.61E-10	7.37E-10	0.00E+00	1.20E-09	2.02E-10	2.95E-10	0.00E+00	4.97E-10
5388	440906.9	3769388	2.43E-09	2.96E-09	0.00E+00	5.40E-09	2.74E-09	4.31E-09	0.00E+00	7.05E-09	4.60E-10	7.35E-10	0.00E+00	1.19E-09	2.01E-10	2.94E-10	0.00E+00	4.95E-10
5389	440803.9	3769346	2.38E-09	2.91E-09	0.00E+00	5.29E-09	2.69E-09	4.22E-09	0.00E+00	6.91E-09	4.51E-10	7.20E-10	0.00E+00	1.17E-09	1.97E-10	2.88E-10	0.00E+00	4.86E-10
5390	440789.2	3769340	2.37E-09	2.89E-09	0.00E+00	5.26E-09	2.67E-09	4.20E-09	0.00E+00	6.87E-09	4.48E-10	7.16E-10	0.00E+00	1.16E-09	1.96E-10	2.87E-10	0.00E+00	4.83E-10
5391	440774.5	3769334	2.36E-09	2.87E-09	0.00E+00	5.23E-09	2.66E-09	4.18E-09	0.00E+00	6.83E-09	4.46E-10	7.12E-10	0.00E+00	1.16E-09	1.95E-10	2.85E-10	0.00E+00	4.80E-10
5392	440759.8	3769328	2.34E-09	2.86E-09	0.00E+00	5.20E-09	2.64E-09	4.15E-09	0.00E+00	6.79E-09	4.43E-10	7.08E-10	0.00E+00	1.15E-09	1.94E-10	2.84E-10	0.00E+00	4.77E-10
5393	440666	3769161	2.92E-09	3.55E-09	0.00E+00	6.47E-09	3.29E-09	5.17E-09	0.00E+00	8.45E-09	5.51E-10	8.81E-10	0.00E+00	1.43E-09	2.41E-10	3.53E-10	0.00E+00	5.94E-10
5394	440659.9	3769146	2.97E-09	3.63E-09	0.00E+00	6.60E-09	3.35E-09	5.27E-09	0.00E+00	8.62E-09	5.62E-10	8.99E-10	0.00E+00	1.46E-09	2.46E-10	3.60E-10	0.00E+00	6.06E-10
5395	440653.7	3769132	3.03E-09	3.70E-09	0.00E+00	6.73E-09	3.42E-09	5.38E-09	0.00E+00	8.80E-09	5.74E-10	9.17E-10	0.00E+00	1.49E-09	2.51E-10	3.67E-10	0.00E+00	6.18E-10
5396	440647.6	3769117	3.09E-09	3.77E-09	0.00E+00	6.87E-09	3.49E-09	5.48E-09	0.00E+00	8.97E-09	5.85E-10	9.35E-10	0.00E+00	1.52E-09	2.56E-10	3.75E-10	0.00E+00	6.30E-10
5397	440641.5	3769102	3.16E-09	3.85E-09	0.00E+00	7.00E-09	3.56E-09	5.59E-09	0.00E+00	9.15E-09	5.97E-10	9.54E-10	0.00E+00	1.55E-09	2.61E-10	3.82E-10	0.00E+00	6.43E-10
5398	440635.4	3769088	3.22E-09	3.93E-09	0.00E+00	7.15E-09	3.63E-09	5.71E-09	0.00E+00	9.34E-09	6.09E-10	9.73E-10	0.00E+00	1.58E-09	2.66E-10	3.90E-10	0.00E+00	6.56E-10
5399	440629.2	3769073	3.29E-09	4.01E-09	0.00E+00	7.29E-09	3.70E-09	5.82E-09	0.00E+00	9.53E-09	6.21E-10	9.93E-10	0.00E+00	1.61E-09	2.72E-10	3.98E-10	0.00E+00	6.69E-10
5400	440623.1	3769058	3.35E-09	4.09E-09	0.00E+00	7.44E-09	3.78E-09	5.94E-09	0.00E+00	9.72E-09	6.34E-10	1.01E-09	0.00E+00	1.65E-09	2.77E-10	4.06E-10	0.00E+00	6.83E-10
5401	440574.1	3768941	3.88E-09	4.73E-09	0.00E+00	8.61E-09	4.37E-09	6.87E-09	0.00E+00	1.12E-08	7.33E-10	1.17E-09	0.00E+00	1.90E-09	3.21E-10	4.69E-10	0.00E+00	7.90E-10
5402	440568	3768926	3.94E-09	4.81E-09	0.00E+00	8.75E-09	4.45E-09	6.99E-09	0.00E+00	1.14E-08	7.46E-10	1.19E-09	0.00E+00	1.94E-09	3.26E-10	4.77E-10	0.00E+00	8.03E-10
5403	440561.8	3768911	4.01E-09	4.89E-09	0.00E+00	8.89E-09	4.52E-09	7.10E-09	0.00E+00	1.16E-08	7.58E-10	1.21E-09	0.00E+00	1.97E-09	3.31E-10	4.85E-10	0.00E+00	8.17E-10
5404	440555.7	3768897	4.07E-09	4.96E-09	0.00E+00	9.04E-09	4.59E-09	7.22E-09	0.00E+00	1.18E-08	7.70E-10	1.23E-09	0.00E+00	2.00E-09	3.37E-10	4.93E-10	0.00E+00	8.30E-10
5405	441170.9	3769538	2.13E-09	2.60E-09	0.00E+00	4.74E-09	2.41E-09	3.78E-09	0.00E+00	6.19E-09	4.03E-10	6.45E-10	0.00E+00	1.05E-09	1.76E-10	2.58E-10	0.00E+00	4.35E-10
5406	441156.1	3769531	2.15E-09	2.62E-09	0.00E+00	4.77E-09	2.42E-09	3.81E-09	0.00E+00	6.23E-09	4.06E-10	6.49E-10	0.00E+00	1.05E-09	1.78E-10	2.60E-10	0.00E+00	4.38E-10
5407	440903	3769427	2.27E-09	2.77E-09	0.00E+00	5.04E-09	2.56E-09	4.02E-09	0.00E+00	6.58E-09	4.29E-10	6.86E-10	0.00E+00	1.12E-09	1.88E-10	2.75E-10	0.00E+00	4.63E-10
5408	440888.1	3769421	2.27E-09	2.76E-09	0.00E+00	5.03E-09	2.56E-09	4.02E-09	0.00E+00	6.57E-09	4.29E-10	6.85E-10	0.00E+00	1.11E-09	1.87E-10	2.74E-10	0.00E+00	4.62E-10
5409	440873.3	3769415	2.26E-09	2.75E-09	0.00E+00	5.01E-09	2.55E-09	4.00E-09	0.00E+00	6.55E-09	4.27E-10	6.83E-10	0.00E+00	1.11E-09	1.87E-10	2.73E-10	0.00E+00	4.60E-10
5410	440858.4	3769408	2.25E-09	2.74E-09	0.00E+00	4.99E-09	2.53E-09	3.98E-09	0.00E+00	6.52E-09	4.25E-10	6.79E-10	0.00E+00	1.10E-09	1.86E-10	2.72E-10	0.00E+00	4.58E-10
5411	440843.5	3769402	2.24E-09	2.73E-09	0.00E+00	4.98E-09	2.53E-09	3.97E-09	0.00E+00	6.50E-09	4.24E-10	6.77E-10	0.00E+00	1.10E-09	1.85E-10	2.71E-10	0.00E+00	4.57E-10
5412	440828.6	3769396	2.24E-09	2.73E-09	0.00E+00	4.98E-09	2.53E-09	3.97E-09	0.00E+00	6.50E-09	4.24E-10	6.77E-10	0.00E+00	1.10E-09	1.85E-10	2.71E-10	0.00E+00	4.57E-10
5413	440739.3	3769359	2.19E-09	2.67E-09	0.00E+00	4.86E-09	2.47E-09	3.88E-09	0.00E+00	6.34E-09	4.14E-10	6.61E-10	0.00E+00	1.07E-09	1.81E-10	2.65E-10	0.00E+00	4.46E-10
5414	440724.4	3769353	2.18E-09	2.65E-09	0.00E+00	4.83E-09	2.45E-09	3.85E-09	0.00E+00	6.31E-09	4.11E-10	6.57E-10	0.00E+00	1.07E-09	1.80E-10	2.63E-10	0.00E+00	4.43E-10
5415	440709.5	3769347	2.16E-09	2.63E-09	0.00E+00	4.79E-09	2.43E-09	3.83E-09	0.00E+00	6.26E-09	4.08E-10	6.53E-10	0.00E+00	1.06E-09	1.79E-10	2.61E-10	0.00E+00	4.40E-10
5416	440699	3769336	2.17E-09	2.65E-09	0.00E+00	4.82E-09	2.45E-09	3.85E-09	0.00E+00	6.30E-09	4.11E-10	6.56E-10	0.00E+00	1.07E-09	1.80E-10	2.63E-10	0.00E+00	4.42E-10
5417	440692.8	3769322	2.21E-09	2.70E-09	0.00E+00	4.91E-09	2.49E-09	3.92E-09	0.00E+00	6.41E-09	4.18E-10	6.68E-10	0.00E+00	1.09E-09	1.83E-10	2.68E-10	0.00E+00	4.51E-10
5418	440630.8	3769173	2.74E-09	3.34E-09	0.00E+00	6.08E-09	3.09E-09	4.86E-09	0.00E+00	7.94E-09	5.18E-10	8.28E-10	0.00E+00	1.35E-09	2.27E-10	3.32E-10	0.00E+00	5.58E-10
5419	440624.6	3769158	2.79E-09	3.40E-09	0.00E+00	6.20E-09	3.15E-09	4.95E-09	0.00E+00	8.10E-09	5.28E-10	8.44E-10	0.00E+00	1.37E-09	2.31E-10	3.38E-10	0.00E+00	5.69E-10
5420	440618.4	3769143	2.85E-09	3.47E-09	0.00E+00	6.32E-09	3.21E-09	5.04E-09	0.00E+00	8.25E-09	5.38E-10	8.60E-10	0.00E+00	1.40E-09	2.35E-10	3.44E-10	0.00E+00	5.80E-10
5421	440612.2	3769128	2.90E-09	3.54E-09	0.00E+00	6.44E-09	3.27E-09	5.14E-09	0.00E+00	8.41E-09	5.48E-10	8.76E-10	0.00E+00	1.42E-09	2.40E-10	3.51E-10	0.00E+00	5.91E-10
5422	440606	3769113	2.96E-09	3.61E-09	0.00E+00	6.56E-09	3.33E-09	5.24E-09	0.00E+00	8.58E-09	5.59E-10	8.94E-10	0.00E+00	1.45E-09	2.45E-10	3.58E-10	0.00E+00	6.03E-10
5423	440599.8	3769099	3.02E-09	3.68E-09	0.00E+00	6.69E-09	3.40E-09	5.34E-09	0.00E+00	8.74E-09	5.70E-10	9.11E-10	0.00E+00	1.48E-09	2.49E-10	3.65E-10	0.00E+00	6.14E-10
5424	440593.6	3769084	3.07E-09	3.75E-09	0.00E+00	6.82E-09	3.47E-09	5.45E-09	0.00E+00	8.91E-09	5.81E-10	9.29E-10	0.00E+00	1.51E-09	2.54E-10	3.72E-10	0.00E+00	6.26E-10
5425	440587.4	3769069	3.13E-09	3.82E-09	0.00E+00	6.95E-09	3.53E-09	5.55E-09	0.00E+00	9.08E-09	5.92E-10	9.47E-10	0.00E+00	1.54E-09	2.59E-10	3.79E-10	0.00E+00	6.38E-10
5426	440581.3	3769054	3.19E-09	3.89E-09	0.00E+00	7.08E-09	3.60E-09	5.66E-09	0.00E+00	9.25E-09	6.03E-10	9.64E-10	0.00E+00	1.57E-09	2.64E-10	3.86E-10	0.00E+00	6.50E-10
5427	440575.1	3769039	3.25E-09	3.96E-09	0.00E+00	7.22E-09	3.67E-09	5.76E-09	0.00E+00	9.43E-09	6.15E-10	9.82E-10	0.00E+00	1.60E-09	2.69E-10	3.93E-10	0.00E+00	6.62E-10
5428	440556.5	3768994	3.43E-09	4.18E-09	0.00E+00	7.61E-09	3.87E-09	6.08E-09	0.00E+00	9.95E-09	6.48E-10	1.04E-09	0.00E+00	1.68E-09	2.84E-10	4.15E-10	0.00E+00	6.99E-10
5429	440550.3	3768980	3.49E-09	4.25E-09	0.00E+00	7.74E-09	3.93E-09	6.18E-09	0.00E+00	1.01E-08	6.59E-10	1.05E-09	0.00E+00	1.71E-09	2.88E-10	4.22E-10	0.00E+00	7.11E-10
5430	440544.1	3768965	3.55E-09	4.32E-09	0.00E+00	7.87E-09	4.00E-09	6.28E-09	0.00E+00	1.03E-08	6.70E-10	1.07E-09	0.00E+00	1.74E-09	2.93E-10	4.29E-10	0.00E+00	7.22E-10
5431	440889.1	3769461	2.12E-09	2.59E-09	0.00E+00	4.71E-09	2.39E-09	3.76E-09	0.00E+00	6.15E-09	4.01E-10	6.41E-10	0.00E+00	1.04E-09	1.75E-10	2.57E-10	0.00E+00	4.32E-10
5432	440874.3	3769455	2.12E-09	2.58E-09	0.00E+00	4.70E-09	2.39E-09	3.75E-09	0.00E+00	6.14E-09	4.00E-10	6.40E-10	0.00E+00	1.04E-09	1.75E-10	2.56E-10	0.00E+00	4.31E-10
5433	440859.4	3769449	2.11E-09	2.57E-09	0.00E+00	4.68E-09	2.38E-09	3.74E-09	0.00E+00	6.12E-09	3.99E-10	6.38E-10	0.00E+00	1.04E-09	1.75E-10	2.56E-10	0.00E+00	4.30E-10
5434	440844.6	3769443	2.10E-09	2.57E-09	0.00E+00	4.67E-09	2.37E-09	3.73E-09	0.00E+00	6.10E-09	3.98E-10	6.36E-10	0.00E+00	1.03E-09	1.74E-10	2.55E-10	0.00E+00	4.29E-10
5435	440829.7	3769437	2.10E-09	2.56E-09	0.00E+00	4.66E-09	2.37E-09	3.72E-09	0.00E+00	6.09E-09	3.97E-10	6.34E-10	0.00E+00	1.03E-09	1.74E-10	2.54E-10	0.00E+00	4.28E-10
5436	440800	3769424	2.09E-09	2.55E-09	0.00E+00	4.64E-09	2.36E-09	3.70E-09	0.00E+00	6.06E-09	3.95E-10	6.31E-10	0.00E+00	1.03E-09	1.73E-10	2.53E-10	0.00E+00	4.26E-10
5437	440785.2	3769418	2.08E-09	2.54E-09	0.00E+00	4.62E-09	2.35E-09	3.69E-09	0.00E+00	6.04E-09	3.94E-10	6.29E-10	0.00E+00	1.02E-09	1.72E-10	2.52E-10	0.00E+00	4.24E-10
5438	440770.3	3769412	2.07E-09	2.53E-09	0.00E+00	4.60E-09	2.34E-09	3.67E-09	0.00E+00	6.01E-09	3.92E-10	6.26E-10	0.00E+00	1.02E-09	1.71E-10	2.51E-10	0.00E+00	4.22E-10
5439	440755.5	3769406	2.07E-09	2.52E-09	0.00E+00	4.58E-09	2.33E-09	3.66E-09	0.00E+00	5.99E-09	3.90E-10	6.24E-10	0.00E+00	1.01E-09	1.71E-10	2.50E-10	0.00E+00	4.21E-10
5440	440740.7	3769400	2.06E-09	2.51E-09	0.00E+00	4.56E-09	2.32E-09	3.64E-09	0.00E+00	5.96E-09	3.89E-10	6.21E-10	0.00E+00	1.01E-09	1.70E-10	2.49E-10	0.00E+00	4.19E-10
5441	440725.8	3769394	2.05E-09	2.49E-09	0.00E+00	4.54E-09	2.31E-09	3.62E-09	0.00E+00	5.93E-09	3.87E-10	6.18E-10	0.00E+00	1.00E-09	1.69E-10	2.48E-10	0.00E+00	4.17E-10
5442	440711	3769387	2.03E-09	2.48E-09	0.00E+00	4.51E-09	2.29E-09	3.60E-09	0.00E+00	5.89E-09	3.84E-10	6.14E-10	0.00E+00	9.98E-10	1.68E-10	2.46E-10	0.00E+00	4.14E-10
5443	440664.6	3769350	2.06E-09	2.52E-09	0.00E+00	4.58E-09	2.33E-09	3.66E-09	0.00E+00	5.99E-09	3.90E-10	6.24E-10	0.00E+00	1.01E-09	1.71E-10	2.50E-10	0.00E+00	4.21E-10
5444	440658.4	3769335	2.10E-09	2.56E-09	0.00E+00	4.66E-09	2.37E-09	3.72E-09	0.00E+00	6.09E-09	3.97E-10	6.35E-10	0.00E+00	1.03E-09	1.74E-10	2.54E-10	0.00E+00	4.28E-10
5445	440652.2	3769320	2.14E-09	2.61E-09	0.00E+00	4.75E-09	2.41E-09	3.79E-09	0.00E+00	6.21E-09	4.05E-10	6.47E-10	0.00E+00	1.05E-09	1.77E-10	2.59E-10	0.00E+00	4.36E-10
5446	440646	3769305	2.18E-09	2.66E-09	0.00E+00	4.84E-09	2.46E-09	3.86E-09	0.00E+00	6.32E-09	4.12E-10	6.59E-10	0.00E+00	1.07E-09	1.80E-10	2.64E-10	0.00E+00	4.44E-10
5447	440639.9	3769291	2.22E-09	2.71E-09	0.00E+00	4.93E-09	2.50E-09	3.94E-09	0.00E+00	6.44E-09	4.20E-10	6.71E-10	0.00E+00	1.09E-09	1.84E-10	2.69E-10	0.00E+00	4.52E-10
5448	440633.7	3769276	2.27E-09	2.76E-09	0.00E+00	5.03E-09	2.56E-09	4.02E-09	0.00E+00	6.57E-09	4.29E-10	6.85E-10	0.00E+00	1.11E-09	1.87E-10	2.74E-10	0.00E+00	4.62E-10
5449	440627.5	3769261	2.31E-09	2.82E-09	0.00E+00	5.13E-09	2.61E-09	4.10E-09	0.00E+00	6.70E-09	4.37E-10	6.98E-10	0.00E+00	1.14E-09	1.91E-10	2.80E-10	0.00E+00	4.71E-10
5450	440621.3	3769246	2.36E-09	2.87E-09	0.00E+00	5.23E-09	2.66E-09	4.18E-09	0.00E+00	6.83E-09	4.45E-10	7.12E-10	0.00E+00	1.16E-09	1.95E-10	2.85E-10	0.00E+00	4.80E-10
5451	440590.4	3769172	2.62E-09	3.19E-09	0.00E+00	5.81E-09	2.95E-09	4.64E-09	0.00E+00	7.59E-09	4.95E-10	7.91E-10	0.00E+00	1.29E-09	2.17E-10	3.17E-10	0.00E+00	5.33E-10
5452	440584.2	3769157	2.67E-09	3.25E-09	0.00E+00	5.92E-09	3.01E-09	4.73E-09	0.00E+00	7.73E-09	5.04E-10	8.06E-10	0.00E+00	1.31E-09	2.21E-10	3.23E-10	0.00E+00	5.43E-10
5453	440578.1	3769142	2.72E-09	3.31E-09	0.00E+00	6.03E-09	3.06E-09	4.81E-09	0.00E+00	7.88E-09	5.14E-10	8.21E-10	0.00E+00	1.33E-09	2.25E-10	3.29E-10	0.00E+00	5.53E-10
5454	440571.9	3769128	2.77E-09	3.37E-09	0.00E+00	6.14E-09	3.12E-09	4.91E-09	0.00E+00	8.03E-09	5.23E-10	8.36E-10	0.00E+00	1.36E-09	2.29E-10	3.35E-10	0.00E+00	5.64E-10
5455	440565.7	3769113	2.82E-09	3.44E-09	0.00E+00	6.26E-09	3.18E-09	5.00E-09	0.00E+00	8.18E-09	5.33E-10	8.52E-10	0.00E+00	1.39E-09	2.33E-10	3.41E-10	0.00E+00	5.75E-10
5456	440559.5	3769098	2.87E-09	3.50E-09	0.00E+00	6.37E-09	3.24E-09	5.09E-09	0.00E+00	8.33E-09	5.43E-10	8.68E-10	0.00E+00	1.41E-09	2.37E-10	3.48E-10	0.00E+00	5.85E-10
5457	440553.3	3769083	2.92E-09	3.56E-09	0.00E+00	6.49E-09	3.30E-09	5.18E-09	0.00E+00	8.48E-09	5.53E-10	8.83E-10	0.00E+00	1.44E-09	2.42E-10	3.54E-10	0.00E+00	5.96E-10
5458	440547.1	3769068	2.98E-09	3.63E-09	0.00E+00	6.60E-09	3.35E-09	5.27E-09	0.00E+00	8.63E-09	5.63E-10	8.99E-10	0.00E+00	1.46E-09	2.46E-10	3.60E-10	0.00E+00	6.06E-10
5459	440541	3769053	3.03E-09	3.69E-09	0.00E+00	6.72E-09	3.41E-09	5.37E-09	0.00E+00	8.78E-09	5.72E-10	9.15E-10	0.00E+00	1.49E-09	2.50E-10	3.66E-10	0.00E+00	6.17E-10
5460	440534.8	3769039	3.08E-09	3.76E-09	0.00E+00	6.84E-09	3.47E-09	5.46E-09	0.00E+00	8.93E-09	5.82E-10	9.31E-10	0.00E+00	1.51E-09	2.55E-10	3.73E-10	0.00E+00	6.28E-10
5461	440786.3	3769459	1.95E-09	2.38E-09	0.00E+00	4.34E-09	2.20E-09	3.46E-09	0.00E+00	5.67E-09	3.70E-10	5.91E-10	0.00E+00	9.60E-10	1.62E-10	2.37E-10	0.00E+00	3.98E-10
5462	440771.5	3769453	1.95E-09	2.38E-09	0.00E+00	4.32E-09	2.20E-09	3.45E-09	0.00E+00	5.65E-09	3.68E-10	5.89E-10	0.00E+00	9.57E-10	1.61E-10	2.36E-10	0.00E+00	3.97E-10
5463	440697.4	3769422	1.90E-09	2.32E-09	0.00E+00	4.22E-09	2.14E-09	3.37E-09	0.00E+00	5.51E-09	3.59E-10	5.74E-10	0.00E+00	9.34E-10	1.57E-10	2.30E-10	0.00E+00	3.87E-10
5464	440682.6	3769416	1.89E-09	2.30E-09	0.00E+00	4.20E-09	2.13E-09	3.35E-09	0.00E+00	5.48E-09	3.57E-10	5.71E-10	0.00E+00	9.29E-10	1.56E-10	2.29E-10	0.00E+00	3.85E-10
5465	440667.8	3769410	1.88E-09	2.29E-09	0.00E+00	4.17E-09	2.12E-09	3.33E-09	0.00E+00	5.45E-09	3.56E-10	5.68E-10	0.00E+00	9.24E-10	1.56E-10	2.28E-10	0.00E+00	3.83E-10
5466	440653	3769404	1.88E-09	2.29E-09	0.00E+00	4.16E-09	2.12E-09	3.33E-09	0.00E+00	5.44E-09	3.55E-10	5.67E-10	0.00E+00	9.22E-10	1.55E-10	2.27E-10	0.00E+00	3.82E-10
5467	440642.5	3769393	1.89E-09	2.30E-09	0.00E+00	4.19E-09	2.13E-09	3.35E-09	0.00E+00	5.48E-09	3.57E-10	5.71E-10	0.00E+00	9.28E-10	1.56E-10	2.29E-10	0.00E+00	3.85E-10
5468	440624	3769349	2.00E-09	2.44E-09	0.00E+00	4.44E-09	2.25E-09	3.54E-09	0.00E+00	5.80E-09	3.78E-10	6.04E-10	0.00E+00	9.82E-10	1.65E-10	2.42E-10	0.00E+00	4.07E-10
5469	440617.9	3769334	2.04E-09	2.49E-09	0.00E+00	4.53E-09	2.30E-09	3.61E-09	0.00E+00	5.91E-09	3.85E-10	6.16E-10	0.00E+00	1.00E-09	1.69E-10	2.47E-10	0.00E+00	4.15E-10
5470	440611.7	3769319	2.10E-09	2.56E-09	0.00E+00	4.66E-09	2.37E-09	3.72E-09	0.00E+00	6.09E-09	3.97E-10	6.35E-10	0.00E+00	1.03E-09	1.74E-10	2.54E-10	0.00E+00	4.28E-10
5471	440605.5	3769304	2.14E-09	2.61E-09	0.00E+00	4.74E-09	2.41E-09	3.79E-09	0.00E+00	6.20E-09	4.04E-10	6.46E-10	0.00E+00	1.05E-09	1.77E-10	2.59E-10	0.00E+00	4.35E-10
5472	440599.4	3769290	2.18E-09	2.65E-09	0.00E+00	4.83E-09	2.45E-09	3.86E-09	0.00E+00	6.31E-09	4.11E-10	6.57E-10	0.00E+00	1.07E-09	1.80E-10	2.63E-10	0.00E+00	4.43E-10
5473	440593.2	3769275	2.21E-09	2.70E-09	0.00E+00	4.91E-09	2.50E-09	3.92E-09	0.00E+00	6.42E-09	4.19E-10	6.69E-10	0.00E+00	1.09E-09	1.83E-10	2.68E-10	0.00E+00	4.51E-10
5474	440587	3769260	2.25E-09	2.75E-09	0.00E+00	5.00E-09	2.54E-09	3.99E-09	0.00E+00	6.53E-09	4.26E-10	6.81E-10	0.00E+00	1.11E-09	1.86E-10	2.73E-10	0.00E+00	4.59E-10
5475	440580.9	3769245	2.29E-09	2.80E-09	0.00E+00	5.09E-09	2.59E-09	4.07E-09	0.00E+00	6.65E-09	4.34E-10	6.93E-10	0.00E+00	1.13E-09	1.90E-10	2.78E-10	0.00E+00	4.67E-10
5476	440574.7	3769230	2.34E-09	2.85E-09	0.00E+00	5.18E-09	2.63E-09	4.14E-09	0.00E+00	6.77E-09	4.41E-10	7.06E-10	0.00E+00	1.15E-09	1.93E-10	2.83E-10	0.00E+00	4.76E-10
5477	440568.5	3769216	2.38E-09	2.90E-09	0.00E+00	5.27E-09	2.68E-09	4.21E-09	0.00E+00	6.89E-09	4.49E-10	7.18E-10	0.00E+00	1.17E-09	1.97E-10	2.88E-10	0.00E+00	4.84E-10
5478	440562.4	3769201	2.42E-09	2.95E-09	0.00E+00	5.37E-09	2.73E-09	4.29E-09	0.00E+00	7.01E-09	4.57E-10	7.31E-10	0.00E+00	1.19E-09	2.00E-10	2.93E-10	0.00E+00	4.93E-10
5479	440550	3769171	2.51E-09	3.06E-09	0.00E+00	5.56E-09	2.82E-09	4.44E-09	0.00E+00	7.27E-09	4.74E-10	7.57E-10	0.00E+00	1.23E-09	2.07E-10	3.03E-10	0.00E+00	5.11E-10
5480	440543.9	3769156	2.55E-09	3.11E-09	0.00E+00	5.66E-09	2.87E-09	4.52E-09	0.00E+00	7.39E-09	4.82E-10	7.71E-10	0.00E+00	1.25E-09	2.11E-10	3.09E-10	0.00E+00	5.20E-10
5481	440537.7	3769142	2.60E-09	3.16E-09	0.00E+00	5.76E-09	2.93E-09	4.60E-09	0.00E+00	7.52E-09	4.91E-10	7.84E-10	0.00E+00	1.27E-09	2.15E-10	3.14E-10	0.00E+00	5.29E-10
5482	440531.5	3769127	2.64E-09	3.22E-09	0.00E+00	5.86E-09	2.98E-09	4.68E-09	0.00E+00	7.66E-09	4.99E-10	7.98E-10	0.00E+00	1.30E-09	2.18E-10	3.20E-10	0.00E+00	5.38E-10
5483	440525.4	3769112	2.69E-09	3.28E-09	0.00E+00	5.97E-09	3.03E-09	4.76E-09	0.00E+00	7.79E-09	5.08E-10	8.12E-10	0.00E+00	1.32E-09	2.22E-10	3.25E-10	0.00E+00	5.48E-10
5484	440519.2	3769097	2.73E-09	3.33E-09	0.00E+00	6.07E-09	3.08E-09	4.85E-09	0.00E+00	7.93E-09	5.17E-10	8.26E-10	0.00E+00	1.34E-09	2.26E-10	3.31E-10	0.00E+00	5.57E-10
5485	440513	3769082	2.78E-09	3.39E-09	0.00E+00	6.17E-09	3.13E-09	4.93E-09	0.00E+00	8.06E-09	5.26E-10	8.40E-10	0.00E+00	1.37E-09	2.30E-10	3.37E-10	0.00E+00	5.67E-10

5486	440506.9	3769068	2.83E-09	3.45E-09	0.00E+00	6.27E-09	3.19E-09	5.01E-09	0.00E+00	8.20E-09	5.35E-10	8.54E-10	0.00E+00	1.39E-09	2.34E-10	3.42E-10	0.00E+00	5.76E-10
5487	440500.7	3769053	2.88E-09	3.51E-09	0.00E+00	6.38E-09	3.24E-09	5.10E-09	0.00E+00	8.34E-09	5.44E-10	8.69E-10	0.00E+00	1.41E-09	2.38E-10	3.48E-10	0.00E+00	5.86E-10
5488	440494.5	3769038	2.92E-09	3.56E-09	0.00E+00	6.49E-09	3.29E-09	5.18E-09	0.00E+00	8.47E-09	5.52E-10	8.83E-10	0.00E+00	1.44E-09	2.42E-10	3.54E-10	0.00E+00	5.95E-10
5489	440420.6	3768861	3.47E-09	4.23E-09	0.00E+00	7.70E-09	3.91E-09	6.15E-09	0.00E+00	1.01E-08	6.56E-10	1.05E-09	0.00E+00	1.70E-09	2.87E-10	4.20E-10	0.00E+00	7.07E-10
5490	441245.4	3769688	1.66E-09	2.03E-09	0.00E+00	3.69E-09	1.87E-09	2.95E-09	0.00E+00	4.82E-09	3.14E-10	5.02E-10	0.00E+00	8.16E-10	1.37E-10	2.01E-10	0.00E+00	3.39E-10
5491	441230.6	3769682	1.67E-09	2.04E-09	0.00E+00	3.71E-09	1.89E-09	2.97E-09	0.00E+00	4.85E-09	3.16E-10	5.06E-10	0.00E+00	8.22E-10	1.38E-10	2.03E-10	0.00E+00	3.41E-10
5492	440614.3	3769421	1.78E-09	2.16E-09	0.00E+00	3.94E-09	2.00E-09	3.15E-09	0.00E+00	5.15E-09	3.36E-10	5.36E-10	0.00E+00	8.72E-10	1.47E-10	2.15E-10	0.00E+00	3.62E-10
5493	440608.1	3769407	1.81E-09	2.20E-09	0.00E+00	4.01E-09	2.03E-09	3.20E-09	0.00E+00	5.23E-09	3.41E-10	5.45E-10	0.00E+00	8.87E-10	1.49E-10	2.18E-10	0.00E+00	3.68E-10
5494	440602	3769392	1.84E-09	2.24E-09	0.00E+00	4.08E-09	2.07E-09	3.25E-09	0.00E+00	5.32E-09	3.47E-10	5.55E-10	0.00E+00	9.02E-10	1.52E-10	2.22E-10	0.00E+00	3.74E-10
5495	440583.5	3769348	1.96E-09	2.39E-09	0.00E+00	4.35E-09	2.21E-09	3.48E-09	0.00E+00	5.69E-09	3.71E-10	5.93E-10	0.00E+00	9.64E-10	1.62E-10	2.37E-10	0.00E+00	4.00E-10
5496	440577.4	3769333	2.00E-09	2.43E-09	0.00E+00	4.43E-09	2.25E-09	3.54E-09	0.00E+00	5.79E-09	3.77E-10	6.03E-10	0.00E+00	9.80E-10	1.65E-10	2.42E-10	0.00E+00	4.07E-10
5497	440571.2	3769318	2.03E-09	2.47E-09	0.00E+00	4.50E-09	2.29E-09	3.60E-09	0.00E+00	5.88E-09	3.84E-10	6.13E-10	0.00E+00	9.97E-10	1.68E-10	2.46E-10	0.00E+00	4.13E-10
5498	440565.1	3769303	2.06E-09	2.52E-09	0.00E+00	4.58E-09	2.33E-09	3.66E-09	0.00E+00	5.98E-09	3.90E-10	6.24E-10	0.00E+00	1.01E-09	1.71E-10	2.50E-10	0.00E+00	4.20E-10
5499	440558.9	3769289	2.10E-09	2.56E-09	0.00E+00	4.66E-09	2.37E-09	3.72E-09	0.00E+00	6.08E-09	3.97E-10	6.34E-10	0.00E+00	1.03E-09	1.74E-10	2.54E-10	0.00E+00	4.27E-10
5500	440552.8	3769274	2.13E-09	2.60E-09	0.00E+00	4.73E-09	2.40E-09	3.78E-09	0.00E+00	6.19E-09	4.03E-10	6.45E-10	0.00E+00	1.05E-09	1.76E-10	2.58E-10	0.00E+00	4.35E-10
5501	440546.6	3769259	2.17E-09	2.64E-09	0.00E+00	4.81E-09	2.44E-09	3.84E-09	0.00E+00	6.29E-09	4.10E-10	6.55E-10	0.00E+00	1.07E-09	1.79E-10	2.62E-10	0.00E+00	4.42E-10
5502	440540.5	3769244	2.20E-09	2.69E-09	0.00E+00	4.89E-09	2.49E-09	3.91E-09	0.00E+00	6.39E-09	4.17E-10	6.66E-10	0.00E+00	1.08E-09	1.82E-10	2.67E-10	0.00E+00	4.49E-10
5503	440534.3	3769230	2.21E-09	2.70E-09	0.00E+00	4.91E-09	2.50E-09	3.92E-09	0.00E+00	6.42E-09	4.19E-10	6.69E-10	0.00E+00	1.09E-09	1.83E-10	2.68E-10	0.00E+00	4.51E-10
5504	440528.2	3769215	2.25E-09	2.75E-09	0.00E+00	5.00E-09	2.54E-09	3.99E-09	0.00E+00	6.53E-09	4.26E-10	6.80E-10	0.00E+00	1.11E-09	1.86E-10	2.73E-10	0.00E+00	4.59E-10
5505	440522	3769200	2.29E-09	2.80E-09	0.00E+00	5.09E-09	2.58E-09	4.06E-09	0.00E+00	6.65E-09	4.33E-10	6.93E-10	0.00E+00	1.13E-09	1.90E-10	2.78E-10	0.00E+00	4.67E-10
5506	440509.7	3769171	2.37E-09	2.89E-09	0.00E+00	5.27E-09	2.67E-09	4.21E-09	0.00E+00	6.88E-09	4.49E-10	7.17E-10	0.00E+00	1.17E-09	1.96E-10	2.87E-10	0.00E+00	4.83E-10
5507	440503.5	3769156	2.41E-09	2.94E-09	0.00E+00	5.35E-09	2.72E-09	4.27E-09	0.00E+00	6.99E-09	4.56E-10	7.29E-10	0.00E+00	1.18E-09	1.99E-10	2.92E-10	0.00E+00	4.91E-10
5508	440497.4	3769141	2.45E-09	2.99E-09	0.00E+00	5.44E-09	2.76E-09	4.34E-09	0.00E+00	7.10E-09	4.63E-10	7.40E-10	0.00E+00	1.20E-09	2.03E-10	2.97E-10	0.00E+00	4.99E-10
5509	440491.2	3769126	2.49E-09	3.04E-09	0.00E+00	5.53E-09	2.81E-09	4.41E-09	0.00E+00	7.22E-09	4.71E-10	7.53E-10	0.00E+00	1.22E-09	2.06E-10	3.01E-10	0.00E+00	5.07E-10
5510	440485.1	3769111	2.53E-09	3.09E-09	0.00E+00	5.62E-09	2.85E-09	4.49E-09	0.00E+00	7.34E-09	4.79E-10	7.65E-10	0.00E+00	1.24E-09	2.09E-10	3.06E-10	0.00E+00	5.16E-10
5511	440478.9	3769097	2.58E-09	3.14E-09	0.00E+00	5.72E-09	2.90E-09	4.56E-09	0.00E+00	7.47E-09	4.87E-10	7.78E-10	0.00E+00	1.26E-09	2.13E-10	3.12E-10	0.00E+00	5.25E-10
5512	440472.8	3769082	2.62E-09	3.19E-09	0.00E+00	5.81E-09	2.95E-09	4.64E-09	0.00E+00	7.60E-09	4.95E-10	7.92E-10	0.00E+00	1.29E-09	2.17E-10	3.17E-10	0.00E+00	5.34E-10
5513	440466.6	3769067	2.67E-09	3.25E-09	0.00E+00	5.92E-09	3.01E-09	4.73E-09	0.00E+00	7.73E-09	5.04E-10	8.06E-10	0.00E+00	1.31E-09	2.20E-10	3.23E-10	0.00E+00	5.43E-10
5514	440460.5	3769052	2.73E-09	3.33E-09	0.00E+00	6.07E-09	3.08E-09	4.85E-09	0.00E+00	7.93E-09	5.17E-10	8.26E-10	0.00E+00	1.34E-09	2.26E-10	3.31E-10	0.00E+00	5.57E-10
5515	440454.3	3769038	2.78E-09	3.39E-09	0.00E+00	6.16E-09	3.13E-09	4.92E-09	0.00E+00	8.05E-09	5.25E-10	8.39E-10	0.00E+00	1.36E-09	2.30E-10	3.36E-10	0.00E+00	5.66E-10
5516	440435.9	3768993	2.90E-09	3.54E-09	0.00E+00	6.44E-09	3.27E-09	5.14E-09	0.00E+00	8.42E-09	5.49E-10	8.77E-10	0.00E+00	1.43E-09	2.40E-10	3.51E-10	0.00E+00	5.91E-10
5517	440429.7	3768979	2.95E-09	3.59E-09	0.00E+00	6.54E-09	3.32E-09	5.22E-09	0.00E+00	8.54E-09	5.57E-10	8.90E-10	0.00E+00	1.45E-09	2.44E-10	3.56E-10	0.00E+00	6.00E-10
5518	440423.6	3768964	2.99E-09	3.64E-09	0.00E+00	6.63E-09	3.37E-09	5.29E-09	0.00E+00	8.66E-09	5.65E-10	9.03E-10	0.00E+00	1.47E-09	2.47E-10	3.62E-10	0.00E+00	6.09E-10
5519	440417.4	3768949	3.03E-09	3.69E-09	0.00E+00	6.72E-09	3.42E-09	5.37E-09	0.00E+00	8.78E-09	5.73E-10	9.15E-10	0.00E+00	1.49E-09	2.51E-10	3.67E-10	0.00E+00	6.17E-10
5520	440411.3	3768934	3.07E-09	3.74E-09	0.00E+00	6.82E-09	3.46E-09	5.44E-09	0.00E+00	8.90E-09	5.81E-10	9.28E-10	0.00E+00	1.51E-09	2.54E-10	3.72E-10	0.00E+00	6.26E-10
5521	440386.6	3768875	3.23E-09	3.94E-09	0.00E+00	7.17E-09	3.64E-09	5.72E-09	0.00E+00	9.36E-09	6.10E-10	9.76E-10	0.00E+00	1.59E-09	2.67E-10	3.91E-10	0.00E+00	6.58E-10
5522	440380.5	3768861	3.27E-09	3.98E-09	0.00E+00	7.25E-09	3.68E-09	5.79E-09	0.00E+00	9.47E-09	6.18E-10	9.87E-10	0.00E+00	1.60E-09	2.70E-10	3.95E-10	0.00E+00	6.66E-10
5523	441260.9	3769691	1.66E-09	2.02E-09	0.00E+00	3.68E-09	1.87E-09	2.94E-09	0.00E+00	4.81E-09	3.13E-10	5.01E-10	0.00E+00	8.14E-10	1.37E-10	2.01E-10	0.00E+00	3.38E-10
5524	441277	3769691	1.67E-09	2.03E-09	0.00E+00	3.70E-09	1.88E-09	2.95E-09	0.00E+00	4.83E-09	3.15E-10	5.03E-10	0.00E+00	8.18E-10	1.38E-10	2.02E-10	0.00E+00	3.39E-10
5525	441264.9	3768800	1.40E-07	1.71E-07	0.00E+00	3.11E-07	1.58E-07	2.49E-07	0.00E+00	4.07E-07	2.65E-08	4.24E-08	0.00E+00	6.89E-08	1.16E-08	1.70E-08	0.00E+00	2.86E-08
5526	441224.9	3768799	6.85E-08	8.35E-08	0.00E+00	1.52E-07	7.72E-08	1.21E-07	0.00E+00	1.99E-07	1.29E-08	2.07E-08	0.00E+00	3.36E-08	5.66E-09	8.29E-09	0.00E+00	1.39E-08
5527	441204.9	3768799	5.44E-08	6.63E-08	0.00E+00	1.21E-07	6.13E-08	9.63E-08	0.00E+00	1.58E-07	1.03E-08	1.64E-08	0.00E+00	2.67E-08	4.50E-09	6.58E-09	0.00E+00	1.11E-08
5528	441064.9	3768797	2.15E-08	2.63E-08	0.00E+00	4.78E-08	2.43E-08	3.82E-08	0.00E+00	6.24E-08	4.07E-09	6.51E-09	0.00E+00	1.06E-08	1.78E-09	2.61E-09	0.00E+00	4.39E-09
5529	441044.9	3768796	1.96E-08	2.39E-08	0.00E+00	4.35E-08	2.21E-08	3.47E-08	0.00E+00	5.68E-08	3.71E-09	5.92E-09	0.00E+00	9.63E-09	1.62E-09	2.37E-09	0.00E+00	3.99E-09
5530	441005.1	3768787	1.71E-08	2.08E-08	0.00E+00	3.79E-08	1.92E-08	3.03E-08	0.00E+00	4.95E-08	3.23E-09	5.16E-09	0.00E+00	8.39E-09	1.41E-09	2.07E-09	0.00E+00	3.48E-09
5531	440944.8	3768804	1.28E-08	1.56E-08	0.00E+00	2.84E-08	1.44E-08	2.26E-08	0.00E+00	3.71E-08	2.42E-09	3.86E-09	0.00E+00	6.28E-09	1.06E-09	1.55E-09	0.00E+00	2.60E-09
5532	440904.8	3768803	1.12E-08	1.37E-08	0.00E+00	2.49E-08	1.26E-08	1.98E-08	0.00E+00	3.25E-08	2.12E-09	3.38E-09	0.00E+00	5.50E-09	9.26E-10	1.36E-09	0.00E+00	2.28E-09
5533	440864.8	3768802	9.91E-09	1.21E-08	0.00E+00	2.20E-08	1.12E-08	1.76E-08	0.00E+00	2.87E-08	1.87E-09	2.99E-09	0.00E+00	4.87E-09	8.19E-10	1.20E-09	0.00E+00	2.02E-09
5534	440824.8	3768802	8.84E-09	1.08E-08	0.00E+00	1.96E-08	9.97E-09	1.57E-08	0.00E+00	2.56E-08	1.67E-09	2.67E-09	0.00E+00	4.34E-09	7.31E-10	1.07E-09	0.00E+00	1.80E-09
5535	440784.8	3768801	7.96E-09	9.70E-09	0.00E+00	1.77E-08	8.97E-09	1.41E-08	0.00E+00	2.31E-08	1.50E-09	2.40E-09	0.00E+00	3.91E-09	6.58E-10	9.63E-10	0.00E+00	1.62E-09
5536	440744.8	3768800	7.20E-09	8.78E-09	0.00E+00	1.60E-08	8.12E-09	1.28E-08	0.00E+00	2.09E-08	1.36E-09	2.18E-09	0.00E+00	3.54E-09	5.96E-10	8.72E-10	0.00E+00	1.47E-09
5537	440704.8	3768800	6.56E-09	7.99E-09	0.00E+00	1.46E-08	7.39E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.42E-10	7.94E-10	0.00E+00	1.34E-09
5538	440664.9	3768799	6.00E-09	7.32E-09	0.00E+00	1.33E-08	6.77E-09	1.06E-08	0.00E+00	1.74E-08	1.13E-09	1.81E-09	0.00E+00	2.95E-09	4.96E-10	7.27E-10	0.00E+00	1.22E-09
5539	440624.9	3768799	5.51E-09	6.72E-09	0.00E+00	1.22E-08	6.21E-09	9.77E-09	0.00E+00	1.60E-08	1.04E-09	1.67E-09	0.00E+00	2.71E-09	4.56E-10	6.67E-10	0.00E+00	1.12E-09
5540	441300.4	3768863	4.78E-08	5.83E-08	0.00E+00	1.06E-07	5.39E-08	8.47E-08	0.00E+00	1.39E-07	9.04E-09	1.44E-08	0.00E+00	2.35E-08	3.95E-09	5.79E-09	0.00E+00	9.74E-09
5541	441308	3768881	3.87E-08	4.72E-08	0.00E+00	8.58E-08	4.36E-08	6.85E-08	0.00E+00	1.12E-07	7.31E-09	1.17E-08	0.00E+00	1.90E-08	3.20E-09	4.68E-09	0.00E+00	7.88E-09
5542	441291.1	3768880	3.63E-08	4.42E-08	0.00E+00	8.05E-08	4.09E-08	6.43E-08	0.00E+00	1.05E-07	6.86E-09	1.10E-08	0.00E+00	1.78E-08	3.00E-09	4.39E-09	0.00E+00	7.39E-09
5543	441298.4	3768898	3.06E-08	3.73E-08	0.00E+00	6.79E-08	3.45E-08	5.42E-08	0.00E+00	8.87E-08	5.78E-09	9.24E-09	0.00E+00	1.50E-08	2.53E-09	3.70E-09	0.00E+00	6.23E-09
5544	441196.9	3768830	3.66E-08	4.46E-08	0.00E+00	8.12E-08	4.12E-08	6.48E-08	0.00E+00	1.06E-07	6.92E-09	1.11E-08	0.00E+00	1.80E-08	3.03E-09	4.43E-09	0.00E+00	7.45E-09
5545	441177.1	3768830	3.23E-08	3.93E-08	0.00E+00	7.16E-08	3.64E-08	5.72E-08	0.00E+00	9.36E-08	6.10E-09	9.75E-09	0.00E+00	1.58E-08	2.67E-09	3.91E-09	0.00E+00	6.57E-09
5546	441215.8	3768926	1.81E-08	2.21E-08	0.00E+00	4.03E-08	2.05E-08	3.22E-08	0.00E+00	5.26E-08	3.43E-09	5.48E-09	0.00E+00	8.91E-09	1.50E-09	2.20E-09	0.00E+00	3.70E-09
5547	441169.7	3768854	2.56E-08	3.13E-08	0.00E+00	5.69E-08	2.89E-08	4.54E-08	0.00E+00	7.43E-08	4.85E-09	7.74E-09	0.00E+00	1.26E-08	2.12E-09	3.10E-09	0.00E+00	5.22E-09
5548	441294.4	3768951	1.89E-08	2.30E-08	0.00E+00	4.19E-08	2.13E-08	3.34E-08	0.00E+00	5.47E-08	3.57E-09	5.70E-09	0.00E+00	9.27E-09	1.56E-09	2.28E-09	0.00E+00	3.85E-09
5549	441222.7	3768944	1.64E-08	2.00E-08	0.00E+00	3.64E-08	1.85E-08	2.90E-08	0.00E+00	4.75E-08	3.10E-09	4.95E-09	0.00E+00	8.05E-09	1.35E-09	1.98E-09	0.00E+00	3.34E-09
5550	441179.1	3768910	1.79E-08	2.19E-08	0.00E+00	3.98E-08	2.02E-08	3.18E-08	0.00E+00	5.20E-08	3.39E-09	5.42E-09	0.00E+00	8.81E-09	1.48E-09	2.17E-09	0.00E+00	3.65E-09
5551	441149.9	3768854	2.33E-08	2.84E-08	0.00E+00	5.17E-08	2.63E-08	4.13E-08	0.00E+00	6.76E-08	4.41E-09	7.04E-09	0.00E+00	1.14E-08	1.93E-09	2.82E-09	0.00E+00	4.75E-09
5552	441293	3768968	1.66E-08	2.02E-08	0.00E+00	3.68E-08	1.87E-08	2.94E-08	0.00E+00	4.81E-08	3.13E-09	5.01E-09	0.00E+00	8.14E-09	1.37E-09	2.01E-09	0.00E+00	3.38E-09
5553	441202.8	3768960	1.41E-08	1.72E-08	0.00E+00	3.14E-08	1.59E-08	2.51E-08	0.00E+00	4.10E-08	2.67E-09	4.27E-09	0.00E+00	6.94E-09	1.17E-09	1.71E-09	0.00E+00	2.88E-09
5554	441193.7	3768959	1.39E-08	1.69E-08	0.00E+00	3.08E-08	1.57E-08	2.46E-08	0.00E+00	4.03E-08	2.63E-09	4.20E-09	0.00E+00	6.83E-09	1.15E-09	1.68E-09	0.00E+00	2.83E-09
5555	441180.5	3768950	1.41E-08	1.72E-08	0.00E+00	3.13E-08	1.59E-08	2.50E-08	0.00E+00	4.09E-08	2.67E-09	4.27E-09	0.00E+00	6.94E-09	1.17E-09	1.71E-09	0.00E+00	2.88E-09
5556	441167.9	3768926	1.56E-08	1.90E-08	0.00E+00	3.47E-08	1.76E-08	2.77E-08	0.00E+00	4.53E-08	2.95E-09	4.72E-09	0.00E+00	7.67E-09	1.29E-09	1.89E-09	0.00E+00	3.18E-09
5557	441130	3768854	2.13E-08	2.59E-08	0.00E+00	4.72E-08	2.40E-08	3.77E-08	0.00E+00	6.16E-08	4.02E-09	6.42E-09	0.00E+00	1.04E-08	1.76E-09	2.57E-09	0.00E+00	4.33E-09
5558	441291.5	3768986	1.47E-08	1.80E-08	0.00E+00	3.27E-08	1.66E-08	2.61E-08	0.00E+00	4.27E-08	2.79E-09	4.45E-09	0.00E+00	7.24E-09	1.22E-09	1.78E-09	0.00E+00	3.00E-09
5559	441191.7	3768977	1.26E-08	1.53E-08	0.00E+00	2.79E-08	1.42E-08	2.23E-08	0.00E+00	3.64E-08	2.37E-09	3.79E-09	0.00E+00	6.17E-09	1.04E-09	1.52E-09	0.00E+00	2.56E-09
5560	441169.4	3768967	1.25E-08	1.53E-08	0.00E+00	2.78E-08	1.41E-08	2.22E-08	0.00E+00	3.63E-08	2.37E-09	3.79E-09	0.00E+00	6.16E-09	1.04E-09	1.52E-09	0.00E+00	2.55E-09
5561	441144	3768919	1.52E-08	1.85E-08	0.00E+00	3.37E-08	1.71E-08	2.69E-08	0.00E+00	4.40E-08	2.87E-09	4.58E-09	0.00E+00	7.45E-09	1.25E-09	1.84E-09	0.00E+00	3.09E-09
5562	441122.9	3768878	1.78E-08	2.17E-08	0.00E+00	3.95E-08	2.00E-08	3.15E-08	0.00E+00	5.15E-08	3.36E-09	5.37E-09	0.00E+00	8.73E-09	1.47E-09	2.15E-09	0.00E+00	3.62E-09
5563	441110.2	3768854	1.95E-08	2.37E-08	0.00E+00	4.32E-08	2.20E-08	3.45E-08	0.00E+00	5.65E-08	3.68E-09	5.88E-09	0.00E+00	9.57E-09	1.61E-09	2.36E-09	0.00E+00	3.97E-09
5564	441081.8	3768838	1.89E-08	2.30E-08	0.00E+00	4.19E-08	2.13E-08	3.34E-08	0.00E+00	5.47E-08	3.57E-09	5.70E-09	0.00E+00	9.27E-09	1.56E-09	2.28E-09	0.00E+00	3.84E-09
5565	441077.5	3768830	1.93E-08	2.36E-08	0.00E+00	4.29E-08	2.18E-08	3.43E-08	0.00E+00	5.61E-08	3.66E-09	5.84E-09	0.00E+00	9.50E-09	1.60E-09	2.34E-09	0.00E+00	3.94E-09
5566	441069	3768813	2.02E-08	2.47E-08	0.00E+00	4.49E-08	2.28E-08	3.58E-08	0.00E+00	5.86E-08	3.82E-09	6.11E-09	0.00E+00	9.93E-09	1.67E-09	2.45E-09	0.00E+00	4.12E-09
5567	441121.5	3768951	1.19E-08	1.46E-08	0.00E+00	2.65E-08	1.35E-08	2.12E-08	0.00E+00	3.46E-08	2.26E-09	3.61E-09	0.00E+00	5.87E-09	9.87E-10	1.45E-09	0.00E+00	2.43E-09
5568	441117.3	3768943	1.23E-08	1.50E-08	0.00E+00	2.73E-08	1.39E-08	2.18E-08	0.00E+00	3.56E-08	2.32E-09	3.71E-09	0.00E+00	6.04E-09	1.02E-09	1.49E-09	0.00E+00	2.50E-09
5569	441113	3768935	1.26E-08	1.54E-08	0.00E+00	2.81E-08	1.43E-08	2.24E-08	0.00E+00	3.67E-08	2.39E-09	3.82E-09	0.00E+00	6.21E-09	1.05E-09	1.53E-09	0.00E+00	2.58E-09
5570	441074.6	3768862	1.61E-08	1.97E-08	0.00E+00	3.58E-08	1.82E-08	2.86E-08	0.00E+00	4.68E-08	3.05E-09	4.88E-09	0.00E+00	7.93E-09	1.34E-09	1.95E-09	0.00E+00	3.29E-09
5571	441066.1	3768846	1.70E-08	2.07E-08	0.00E+00	3.76E-08	1.91E-08	3.00E-08	0.00E+00	4.92E-08	3.21E-09	5.12E-09	0.00E+00	8.33E-09	1.40E-09	2.05E-09	0.00E+00	3.45E-09
5572	441061.9	3768838	1.74E-08	2.12E-08	0.00E+00	3.85E-08	1.96E-08	3.08E-08	0.00E+00	5.03E-08	3.28E-09	5.24E-09	0.00E+00	8.53E-09	1.44E-09	2.10E-09	0.00E+00	3.54E-09
5573	441057.6	3768829	1.78E-08	2.16E-08	0.00E+00	3.94E-08	2.00E-08	3.15E-08	0.00E+00	5.15E-08	3.36E-09	5.36E-09	0.00E+00	8.72E-09	1.47E-09	2.15E-09	0.00E+00	3.62E-09
5574	441049.1	3768813	1.85E-08	2.25E-08	0.00E+00	4.10E-08	2.08E-08	3.28E-08	0.00E+00	5.36E-08	3.50E-09	5.59E-09	0.00E+00	9.08E-09	1.53E-09	2.24E-09	0.00E+00	3.77E-09
5575	441231.9	3769033	1.01E-08	1.23E-08	0.00E+00	2.24E-08	1.14E-08	1.79E-08	0.00E+00	2.93E-08	1.91E-09	3.05E-09	0.00E+00	4.97E-09	8.36E-10	1.22E-09	0.00E+00	2.06E-09
5576	441176.9	3769028	9.43E-09	1.15E-08	0.00E+00	2.09E-08	1.06E-08	1.67E-08	0.00E+00	2.73E-08	1.78E-09	2.85E-09	0.00E+00	4.63E-09	7.79E-10	1.14E-09	0.00E+00	1.92E-09
5577	441167.7	3769027	9.30E-09	1.13E-08	0.00E+00	2.06E-08	1.05E-08	1.65E-08	0.00E+00	2.70E-08	1.76E-09	2.81E-09	0.00E+00	4.57E-09	7.69E-10	1.13E-09	0.00E+00	1.90E-09
5578	441118.9	3768984	1.02E-08	1.24E-08	0.00E+00	2.26E-08	1.15E-08	1.81E-08	0.00E+00	2.96E-08	1.93E-09	3.08E-09	0.00E+00	5.01E-09	8.44E-10	1.23E-09	0.00E+00	2.08E-09
5579	441101.8	3768952	1.13E-08	1.38E-08	0.00E+00	2.51E-08	1.28E-08	2.01E-08	0.00E+00	3.28E-08	2.14E-09	3.42E-09	0.00E+00	5.56E-09	9.37E-10	1.37E-09	0.00E+00	2.31E-09
5580	441054.7	3768862	1.50E-08	1.83E-08	0.00E+00	3.33E-08	1.69E-08	2.66E-08	0.00E+00	4.35E-08	2.84E-09	4.53E-09	0.00E+00	7.37E-09	1.24E-09	1.82E-09	0.00E+00	3.06E-09
5581	441046.2	3768846	1.57E-08	1.91E-08	0.00E+00	3.48E-08	1.77E-08	2.78E-08	0.00E+00	4.55E-08	2.97E-09	4.74E-09	0.00E+00	7.71E-09	1.30E-09	1.90E-09	0.00E+00	3.20E-09
5582	441041.9	3768837	1.60E-08	1.95E-08	0.00E+00	3.56E-08	1.81E-08	2.84E-08	0.00E+00	4.65E-08	3.03E-09	4.84E-09	0.00E+00	7.87E-09	1.33E-09	1.94E-09	0.00E+00	3.27E-09
5583	441037.6	3768829	1.64E-08	2.00E-08	0.00E+00	3.63E-08	1.84E-08	2.90E-08	0.00E+00	4.74E-08	3.09E-09	4.94E-09	0.00E+00	8.04E-09	1.35E-09	1.98E-09	0.00E+00	3.33E-09
5584	441165.9	3769045	8.59E-09	1.05E-08	0.00E+00	1.91E-08	9.68E-09	1.52E-08	0.00E+00	2.49E-08	1.62E-09	2.59E-09	0.00E+00	4.22E-09	7.10E-10	1.04E-09	0.00E+00	1.75E-09
5585	441120.5	3769025	8.60E-09	1.05E-08	0.00E+00	1.91E-08	9.69E-09	1.52E-08	0.00E+00	2.49E-08	1.63E-09	2.60E-09	0.00E+00	4.22E-09	7.11E-10	1.04E-09	0.00E+00	1.75E-09
5586	441094.8	3768976	9.99E-09	1.22E-08	0.00E+00	2.22E-08	1.13E-08	1.77E-08	0.00E+00	2.90E-08	1.89E-09	3.02E-09	0.00E+00	4.91E-09	8.26E-10	1.21E-09	0.00E+00	2.03E-09
5587	441022	3768837	1.49E-08	1.81E-08	0.00E+00	3.30E-08	1.68E-08	2.63E-08	0.00E+00	4.31E-08	2.81E-09	4.49E-09	0.00E+00	7.30E-09	1.23E-09	1.80E-09	0.00E+00	3.03E-09
5588	441017.7	3768829	1.51E-08	1.85E-08	0.00E+00	3.36E-08	1.71E-08	2.68E-08	0.00E+00	4.39E-08	2.86E-09	4.58E-09	0.00E+00	7.44E-09	1.25E-09	1.83E-09	0.00E+00	3.09E-09
5589	441009.1	3768813	1.57E-08	1.91E-08	0.00E+00	3.48E-08	1.77E-08	2.78E-08	0.00E+00	4.55E-08	2.97E-09	4.74E-09	0.00E+00	7.70E-09	1.30E-09	1.90E-09	0.00E+00	3.20E-09
5590	441293.1	3769074	9.14E-09	1.11E-08	0.00E+00	2.03E-08	1.03E-08	1.62E-08	0.00E+00	2.65E-08	1.73E-09	2.76E-09	0.00E+00	4.49E-09	7.56E-10	1.11E-09	0.00E+00	1.86E-09
5591	441219.4	3769067	8.49E-09	1.03E-08	0.00E+00	1.88E-08	9.57E-09	1.50E-08	0.00E+00	2.46E-08	1.60E-09	2.56E-09	0.00E+00	4.17E-09	7.02E-10	1.03E-09	0.00E+00	1.73E-09
5592	441210.1	3769067	8.41E-09	1.02E-08	0.00E+00	1.87E-08	9.48E-09	1.49E-08	0.00E+00	2.44E-08	1.59E-09	2.54E-09	0.00E+00	4.13E-09	6.95E-10	1.02E-09	0.00E+00	1.71E-09
5593	441164.1	3769062	7.96E-09	9.70E-09	0.00E+00	1.77E-08	8.97E-09	1.41E-08	0.00E+00	2.31E-08	1.50E-09	2.40E-09	0.00E+00	3.91E-09	6.58E-10	9.63E-10	0.00E+00	1.62E-09
5594	441154.9	3769062	7.87E-09	9.59E-09	0.00E+00	1.75E-08	8.87E-09	1.39E-08	0.00E+00	2.28E-08	1.49E-09	2.38E-09	0.00E+00	3.86E-09	6.50E-10	9.52E-10	0.00E+00	1.60E-09
5595	441145.6	3769061	7.77E-09	9.48E-09	0.00E+00	1.72E-08	8.76E-09	1.38E-08	0.00E+00	2.25E-08	1.47E-09	2.35E-09	0.00E+00	3.82E-09	6.43E-10	9.41E-10	0.00E+00	1.58E-09
5596	441136.4	3769060	7.68E-09	9.36E-09	0.00E+00	1.70E-08	8.66E-09	1.36E-08	0.00E+00	2.23E-08	1.45E-09	2.32E-09	0.00E+00	3.77E-09	6.35E-10	9.30E-10	0.00E+00	1.56E-09
5597	441127.2	3769059	7.59E-09	9.25E-09	0.00E+00	1.68E-08	8.55E-09	1.34E-08	0.00E+00	2.20E-08	1.43E-09	2.29E-09	0.00E+00	3.73E-09	6.27E-10	9.18E-10	0.00E+00	1.55E-09

5598	441113.7	3769050	7.67E-09	9.36E-09	0.00E+00	1.70E-08	8.65E-09	1.36E-08	0.00E+00	2.22E-08	1.45E-09	2.32E-09	0.00E+00	3.77E-09	6.35E-10	9.29E-10	0.00E+00	1.56E-09
5599	441109.4	3769042	7.87E-09	9.59E-09	0.00E+00	1.75E-08	8.87E-09	1.39E-08	0.00E+00	2.28E-08	1.49E-09	2.38E-09	0.00E+00	3.86E-09	6.50E-10	9.52E-10	0.00E+00	1.60E-09
5600	441096.5	3769017	8.46E-09	1.03E-08	0.00E+00	1.88E-08	9.54E-09	1.50E-08	0.00E+00	2.45E-08	1.60E-09	2.56E-09	0.00E+00	4.16E-09	7.00E-10	1.02E-09	0.00E+00	1.72E-09
5601	441083.6	3768993	9.09E-09	1.11E-08	0.00E+00	2.02E-08	1.02E-08	1.61E-08	0.00E+00	2.64E-08	1.72E-09	2.75E-09	0.00E+00	4.47E-09	7.52E-10	1.10E-09	0.00E+00	1.85E-09
5602	441075	3768976	9.53E-09	1.16E-08	0.00E+00	2.11E-08	1.07E-08	1.69E-08	0.00E+00	2.76E-08	1.80E-09	2.88E-09	0.00E+00	4.68E-09	7.88E-10	1.15E-09	0.00E+00	1.94E-09
5603	441014.9	3768861	1.31E-08	1.59E-08	0.00E+00	2.90E-08	1.47E-08	2.31E-08	0.00E+00	3.78E-08	2.47E-09	3.94E-09	0.00E+00	6.41E-09	1.08E-09	1.58E-09	0.00E+00	2.66E-09
5604	441006.3	3768845	1.36E-08	1.65E-08	0.00E+00	3.01E-08	1.53E-08	2.41E-08	0.00E+00	3.94E-08	2.57E-09	4.10E-09	0.00E+00	6.67E-09	1.12E-09	1.64E-09	0.00E+00	2.77E-09
5605	441002	3768837	1.38E-08	1.69E-08	0.00E+00	3.07E-08	1.56E-08	2.45E-08	0.00E+00	4.01E-08	2.61E-09	4.18E-09	0.00E+00	6.79E-09	1.14E-09	1.67E-09	0.00E+00	2.82E-09
5606	440997.7	3768829	1.41E-08	1.72E-08	0.00E+00	3.12E-08	1.59E-08	2.49E-08	0.00E+00	4.08E-08	2.66E-09	4.25E-09	0.00E+00	6.91E-09	1.16E-09	1.70E-09	0.00E+00	2.87E-09
5607	440989.1	3768812	1.45E-08	1.77E-08	0.00E+00	3.23E-08	1.64E-08	2.58E-08	0.00E+00	4.22E-08	2.75E-09	4.39E-09	0.00E+00	7.14E-09	1.20E-09	1.76E-09	0.00E+00	2.96E-09
5608	441234.5	3769104	7.44E-09	9.06E-09	0.00E+00	1.65E-08	8.38E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.25E-09	0.00E+00	3.65E-09	6.15E-10	9.00E-10	0.00E+00	1.51E-09
5609	441225.3	3769103	7.38E-09	8.99E-09	0.00E+00	1.64E-08	8.31E-09	1.31E-08	0.00E+00	2.14E-08	1.39E-09	2.23E-09	0.00E+00	3.62E-09	6.10E-10	8.93E-10	0.00E+00	1.50E-09
5610	441216	3769102	7.32E-09	8.92E-09	0.00E+00	1.62E-08	8.25E-09	1.30E-08	0.00E+00	2.12E-08	1.38E-09	2.21E-09	0.00E+00	3.59E-09	6.05E-10	8.85E-10	0.00E+00	1.49E-09
5611	441206.8	3769102	7.25E-09	8.84E-09	0.00E+00	1.61E-08	8.18E-09	1.29E-08	0.00E+00	2.10E-08	1.37E-09	2.19E-09	0.00E+00	3.56E-09	6.00E-10	8.78E-10	0.00E+00	1.48E-09
5612	441197.5	3769101	7.19E-09	8.76E-09	0.00E+00	1.59E-08	8.10E-09	1.27E-08	0.00E+00	2.08E-08	1.36E-09	2.17E-09	0.00E+00	3.53E-09	5.94E-10	8.70E-10	0.00E+00	1.46E-09
5613	441142	3769096	6.76E-09	8.25E-09	0.00E+00	1.50E-08	7.62E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.32E-09	5.59E-10	8.19E-10	0.00E+00	1.38E-09
5614	441132.8	3769095	6.69E-09	8.16E-09	0.00E+00	1.49E-08	7.55E-09	1.19E-08	0.00E+00	1.94E-08	1.27E-09	2.02E-09	0.00E+00	3.29E-09	5.53E-10	8.10E-10	0.00E+00	1.36E-09
5615	441123.5	3769094	6.62E-09	8.07E-09	0.00E+00	1.47E-08	7.47E-09	1.17E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.25E-09	5.48E-10	8.02E-10	0.00E+00	1.35E-09
5616	441114.3	3769093	6.55E-09	7.99E-09	0.00E+00	1.45E-08	7.39E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.42E-10	7.93E-10	0.00E+00	1.33E-09
5617	441105	3769092	6.48E-09	7.90E-09	0.00E+00	1.44E-08	7.31E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.18E-09	5.36E-10	7.85E-10	0.00E+00	1.32E-09
5618	441091.4	3769083	6.55E-09	7.99E-09	0.00E+00	1.45E-08	7.39E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.22E-09	5.42E-10	7.93E-10	0.00E+00	1.33E-09
5619	441087.1	3769075	6.69E-09	8.16E-09	0.00E+00	1.49E-08	7.54E-09	1.19E-08	0.00E+00	1.94E-08	1.27E-09	2.02E-09	0.00E+00	3.29E-09	5.53E-10	8.10E-10	0.00E+00	1.36E-09
5620	441069.9	3769042	7.28E-09	8.88E-09	0.00E+00	1.62E-08	8.21E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.58E-09	6.02E-10	8.82E-10	0.00E+00	1.48E-09
5621	441065.6	3769034	7.45E-09	9.08E-09	0.00E+00	1.65E-08	8.39E-09	1.32E-08	0.00E+00	2.16E-08	1.41E-09	2.25E-09	0.00E+00	3.66E-09	6.16E-10	9.01E-10	0.00E+00	1.52E-09
5622	441061.3	3769026	7.61E-09	9.28E-09	0.00E+00	1.69E-08	8.58E-09	1.35E-08	0.00E+00	2.21E-08	1.44E-09	2.30E-09	0.00E+00	3.74E-09	6.29E-10	9.21E-10	0.00E+00	1.55E-09
5623	440975	3768861	1.15E-08	1.40E-08	0.00E+00	2.55E-08	1.29E-08	2.03E-08	0.00E+00	3.33E-08	2.17E-09	3.47E-09	0.00E+00	5.64E-09	9.49E-10	1.39E-09	0.00E+00	2.34E-09
5624	440966.4	3768845	1.19E-08	1.45E-08	0.00E+00	2.64E-08	1.34E-08	2.10E-08	0.00E+00	3.44E-08	2.25E-09	3.59E-09	0.00E+00	5.83E-09	9.82E-10	1.44E-09	0.00E+00	2.42E-09
5625	440957.8	3768828	1.23E-08	1.49E-08	0.00E+00	2.72E-08	1.38E-08	2.17E-08	0.00E+00	3.55E-08	2.32E-09	3.70E-09	0.00E+00	6.02E-09	1.01E-09	1.48E-09	0.00E+00	2.50E-09
5626	440953.4	3768820	1.24E-08	1.52E-08	0.00E+00	2.76E-08	1.40E-08	2.20E-08	0.00E+00	3.61E-08	2.35E-09	3.76E-09	0.00E+00	6.11E-09	1.03E-09	1.51E-09	0.00E+00	2.53E-09
5627	440949.1	3768812	1.26E-08	1.54E-08	0.00E+00	2.80E-08	1.42E-08	2.24E-08	0.00E+00	3.66E-08	2.38E-09	3.81E-09	0.00E+00	6.20E-09	1.04E-09	1.53E-09	0.00E+00	2.57E-09
5628	441231.2	3769139	6.46E-09	7.87E-09	0.00E+00	1.43E-08	7.28E-09	1.14E-08	0.00E+00	1.87E-08	1.22E-09	1.95E-09	0.00E+00	3.17E-09	5.34E-10	7.82E-10	0.00E+00	1.32E-09
5629	441222	3769138	6.42E-09	7.83E-09	0.00E+00	1.42E-08	7.24E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.31E-10	7.77E-10	0.00E+00	1.31E-09
5630	441212.7	3769137	6.38E-09	7.77E-09	0.00E+00	1.42E-08	7.19E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.13E-09	5.27E-10	7.72E-10	0.00E+00	1.30E-09
5631	441203.4	3769137	6.33E-09	7.72E-09	0.00E+00	1.40E-08	7.14E-09	1.12E-08	0.00E+00	1.84E-08	1.20E-09	1.91E-09	0.00E+00	3.11E-09	5.23E-10	7.66E-10	0.00E+00	1.29E-09
5632	441194.1	3769136	6.28E-09	7.66E-09	0.00E+00	1.39E-08	7.08E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.90E-09	0.00E+00	3.09E-09	5.20E-10	7.60E-10	0.00E+00	1.28E-09
5633	441184.9	3769135	6.23E-09	7.60E-09	0.00E+00	1.38E-08	7.03E-09	1.10E-08	0.00E+00	1.81E-08	1.18E-09	1.88E-09	0.00E+00	3.06E-09	5.15E-10	7.55E-10	0.00E+00	1.27E-09
5634	441129.2	3769130	5.91E-09	7.21E-09	0.00E+00	1.31E-08	6.66E-09	1.05E-08	0.00E+00	1.71E-08	1.12E-09	1.79E-09	0.00E+00	2.90E-09	4.89E-10	7.15E-10	0.00E+00	1.20E-09
5635	441119.9	3769129	5.86E-09	7.14E-09	0.00E+00	1.30E-08	6.60E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.77E-09	0.00E+00	2.88E-09	4.84E-10	7.09E-10	0.00E+00	1.19E-09
5636	441110.6	3769128	5.80E-09	7.07E-09	0.00E+00	1.29E-08	6.54E-09	1.03E-08	0.00E+00	1.68E-08	1.10E-09	1.75E-09	0.00E+00	2.85E-09	4.79E-10	7.02E-10	0.00E+00	1.18E-09
5637	441101.4	3769127	5.74E-09	7.00E-09	0.00E+00	1.27E-08	6.47E-09	1.02E-08	0.00E+00	1.66E-08	1.09E-09	1.73E-09	0.00E+00	2.82E-09	4.75E-10	6.95E-10	0.00E+00	1.17E-09
5638	441092.1	3769126	5.68E-09	6.93E-09	0.00E+00	1.26E-08	6.40E-09	1.01E-08	0.00E+00	1.65E-08	1.07E-09	1.72E-09	0.00E+00	2.79E-09	4.70E-10	6.88E-10	0.00E+00	1.16E-09
5639	441082.8	3769126	5.62E-09	6.85E-09	0.00E+00	1.25E-08	6.34E-09	9.96E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.65E-10	6.80E-10	0.00E+00	1.15E-09
5640	441069.2	3769116	5.67E-09	6.91E-09	0.00E+00	1.26E-08	6.39E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.69E-10	6.86E-10	0.00E+00	1.15E-09
5641	441064.9	3769108	5.78E-09	7.05E-09	0.00E+00	1.28E-08	6.51E-09	1.02E-08	0.00E+00	1.68E-08	1.09E-09	1.75E-09	0.00E+00	2.84E-09	4.78E-10	6.99E-10	0.00E+00	1.18E-09
5642	441060.5	3769100	5.89E-09	7.18E-09	0.00E+00	1.31E-08	6.64E-09	1.04E-08	0.00E+00	1.71E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.87E-10	7.13E-10	0.00E+00	1.20E-09
5643	441047.6	3769075	6.15E-09	7.50E-09	0.00E+00	1.37E-08	6.93E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.86E-09	0.00E+00	3.02E-09	5.09E-10	7.44E-10	0.00E+00	1.25E-09
5644	441043.2	3769067	6.26E-09	7.64E-09	0.00E+00	1.39E-08	7.06E-09	1.11E-08	0.00E+00	1.82E-08	1.18E-09	1.89E-09	0.00E+00	3.08E-09	5.18E-10	7.58E-10	0.00E+00	1.28E-09
5645	441038.9	3769059	6.39E-09	7.78E-09	0.00E+00	1.42E-08	7.20E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.28E-10	7.73E-10	0.00E+00	1.30E-09
5646	441034.6	3769050	6.52E-09	7.94E-09	0.00E+00	1.45E-08	7.34E-09	1.15E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.39E-10	7.88E-10	0.00E+00	1.33E-09
5647	441021.6	3769026	7.02E-09	8.55E-09	0.00E+00	1.56E-08	7.91E-09	1.24E-08	0.00E+00	2.03E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.80E-10	8.49E-10	0.00E+00	1.43E-09
5648	441017.3	3769017	7.16E-09	8.73E-09	0.00E+00	1.59E-08	8.07E-09	1.27E-08	0.00E+00	2.08E-08	1.35E-09	2.16E-09	0.00E+00	3.52E-09	5.92E-10	8.66E-10	0.00E+00	1.46E-09
5649	441000	3768984	7.76E-09	9.46E-09	0.00E+00	1.72E-08	8.74E-09	1.37E-08	0.00E+00	2.25E-08	1.47E-09	2.34E-09	0.00E+00	3.81E-09	6.41E-10	9.39E-10	0.00E+00	1.58E-09
5650	440935.1	3768861	1.02E-08	1.24E-08	0.00E+00	2.26E-08	1.15E-08	1.81E-08	0.00E+00	2.95E-08	1.93E-09	3.08E-09	0.00E+00	5.00E-09	8.42E-10	1.23E-09	0.00E+00	2.08E-09
5651	440926.4	3768844	1.05E-08	1.28E-08	0.00E+00	2.33E-08	1.18E-08	1.86E-08	0.00E+00	3.04E-08	1.98E-09	3.17E-09	0.00E+00	5.15E-09	8.68E-10	1.27E-09	0.00E+00	2.14E-09
5652	440917.8	3768828	1.08E-08	1.32E-08	0.00E+00	2.39E-08	1.22E-08	1.91E-08	0.00E+00	3.13E-08	2.04E-09	3.26E-09	0.00E+00	5.30E-09	8.92E-10	1.31E-09	0.00E+00	2.20E-09
5653	440913.5	3768819	1.09E-08	1.33E-08	0.00E+00	2.43E-08	1.23E-08	1.94E-08	0.00E+00	3.17E-08	2.07E-09	3.30E-09	0.00E+00	5.37E-09	9.04E-10	1.32E-09	0.00E+00	2.23E-09
5654	440909.1	3768811	1.11E-08	1.35E-08	0.00E+00	2.46E-08	1.25E-08	1.96E-08	0.00E+00	3.21E-08	2.09E-09	3.34E-09	0.00E+00	5.44E-09	9.15E-10	1.34E-09	0.00E+00	2.25E-09
5655	441237.3	3769175	5.71E-09	6.96E-09	0.00E+00	1.27E-08	6.44E-09	1.01E-08	0.00E+00	1.66E-08	1.08E-09	1.73E-09	0.00E+00	2.81E-09	4.72E-10	6.91E-10	0.00E+00	1.16E-09
5656	441228	3769174	5.68E-09	6.92E-09	0.00E+00	1.26E-08	6.40E-09	1.01E-08	0.00E+00	1.65E-08	1.07E-09	1.72E-09	0.00E+00	2.79E-09	4.69E-10	6.87E-10	0.00E+00	1.16E-09
5657	441218.7	3769173	5.64E-09	6.88E-09	0.00E+00	1.25E-08	6.36E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.70E-09	0.00E+00	2.77E-09	4.67E-10	6.83E-10	0.00E+00	1.15E-09
5658	441209.4	3769172	5.61E-09	6.84E-09	0.00E+00	1.24E-08	6.32E-09	9.94E-09	0.00E+00	1.63E-08	1.06E-09	1.69E-09	0.00E+00	2.75E-09	4.64E-10	6.79E-10	0.00E+00	1.14E-09
5659	441200.1	3769171	5.58E-09	6.80E-09	0.00E+00	1.24E-08	6.28E-09	9.88E-09	0.00E+00	1.62E-08	1.05E-09	1.68E-09	0.00E+00	2.74E-09	4.61E-10	6.75E-10	0.00E+00	1.14E-09
5660	441190.8	3769171	5.54E-09	6.76E-09	0.00E+00	1.23E-08	6.25E-09	9.82E-09	0.00E+00	1.61E-08	1.05E-09	1.67E-09	0.00E+00	2.72E-09	4.58E-10	6.71E-10	0.00E+00	1.13E-09
5661	441181.5	3769170	5.51E-09	6.72E-09	0.00E+00	1.22E-08	6.21E-09	9.76E-09	0.00E+00	1.60E-08	1.04E-09	1.66E-09	0.00E+00	2.71E-09	4.55E-10	6.67E-10	0.00E+00	1.12E-09
5662	441116.4	3769164	5.21E-09	6.35E-09	0.00E+00	1.16E-08	5.87E-09	9.23E-09	0.00E+00	1.51E-08	9.84E-10	1.57E-09	0.00E+00	2.56E-09	4.31E-10	6.30E-10	0.00E+00	1.06E-09
5663	441107.1	3769163	5.13E-09	6.25E-09	0.00E+00	1.14E-08	5.78E-09	9.08E-09	0.00E+00	1.49E-08	9.69E-10	1.55E-09	0.00E+00	2.52E-09	4.24E-10	6.20E-10	0.00E+00	1.04E-09
5664	441097.8	3769162	5.07E-09	6.18E-09	0.00E+00	1.13E-08	5.72E-09	8.99E-09	0.00E+00	1.47E-08	9.59E-10	1.53E-09	0.00E+00	2.49E-09	4.19E-10	6.14E-10	0.00E+00	1.03E-09
5665	441088.5	3769161	5.02E-09	6.12E-09	0.00E+00	1.11E-08	5.66E-09	8.89E-09	0.00E+00	1.45E-08	9.48E-10	1.52E-09	0.00E+00	2.46E-09	4.15E-10	6.07E-10	0.00E+00	1.02E-09
5666	441079.2	3769160	4.97E-09	6.06E-09	0.00E+00	1.10E-08	5.60E-09	8.81E-09	0.00E+00	1.44E-08	9.40E-10	1.50E-09	0.00E+00	2.44E-09	4.11E-10	6.02E-10	0.00E+00	1.01E-09
5667	441069.9	3769160	4.93E-09	6.00E-09	0.00E+00	1.09E-08	5.55E-09	8.73E-09	0.00E+00	1.43E-08	9.31E-10	1.49E-09	0.00E+00	2.42E-09	4.07E-10	5.96E-10	0.00E+00	1.00E-09
5668	441060.6	3769159	4.88E-09	5.95E-09	0.00E+00	1.08E-08	5.50E-09	8.65E-09	0.00E+00	1.41E-08	9.22E-10	1.47E-09	0.00E+00	2.40E-09	4.03E-10	5.90E-10	0.00E+00	9.94E-10
5669	441047	3769150	4.92E-09	6.00E-09	0.00E+00	1.09E-08	5.55E-09	8.73E-09	0.00E+00	1.43E-08	9.31E-10	1.49E-09	0.00E+00	2.42E-09	4.07E-10	5.96E-10	0.00E+00	1.00E-09
5670	441042.6	3769141	5.01E-09	6.11E-09	0.00E+00	1.11E-08	5.65E-09	8.89E-09	0.00E+00	1.45E-08	9.48E-10	1.51E-09	0.00E+00	2.46E-09	4.15E-10	6.07E-10	0.00E+00	1.02E-09
5671	441038.3	3769133	5.09E-09	6.21E-09	0.00E+00	1.13E-08	5.74E-09	9.02E-09	0.00E+00	1.48E-08	9.63E-10	1.54E-09	0.00E+00	2.50E-09	4.21E-10	6.16E-10	0.00E+00	1.04E-09
5672	441020.9	3769100	5.39E-09	6.57E-09	0.00E+00	1.20E-08	6.08E-09	9.56E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.65E-09	4.46E-10	6.53E-10	0.00E+00	1.10E-09
5673	441016.6	3769092	5.48E-09	6.69E-09	0.00E+00	1.22E-08	6.18E-09	9.72E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.69E-09	4.53E-10	6.64E-10	0.00E+00	1.12E-09
5674	441012.3	3769083	5.58E-09	6.80E-09	0.00E+00	1.24E-08	6.29E-09	9.88E-09	0.00E+00	1.62E-08	1.05E-09	1.69E-09	0.00E+00	2.74E-09	4.61E-10	6.75E-10	0.00E+00	1.14E-09
5675	440994.9	3769050	6.02E-09	7.34E-09	0.00E+00	1.34E-08	6.79E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.82E-09	0.00E+00	2.96E-09	4.98E-10	7.29E-10	0.00E+00	1.23E-09
5676	440990.6	3769042	6.15E-09	7.50E-09	0.00E+00	1.37E-08	6.94E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.86E-09	0.00E+00	3.02E-09	5.09E-10	7.45E-10	0.00E+00	1.25E-09
5677	440986.2	3769034	6.28E-09	7.66E-09	0.00E+00	1.39E-08	7.08E-09	1.11E-08	0.00E+00	1.82E-08	1.19E-09	1.90E-09	0.00E+00	3.09E-09	5.19E-10	7.60E-10	0.00E+00	1.28E-09
5678	440981.9	3769026	6.49E-09	7.91E-09	0.00E+00	1.44E-08	7.31E-09	1.15E-08	0.00E+00	1.88E-08	1.23E-09	1.96E-09	0.00E+00	3.19E-09	5.37E-10	7.85E-10	0.00E+00	1.32E-09
5679	440977.6	3769017	6.61E-09	8.06E-09	0.00E+00	1.47E-08	7.45E-09	1.17E-08	0.00E+00	1.92E-08	1.25E-09	2.00E-09	0.00E+00	3.25E-09	5.47E-10	8.00E-10	0.00E+00	1.35E-09
5680	440873.5	3768819	9.70E-09	1.18E-08	0.00E+00	2.15E-08	1.09E-08	1.72E-08	0.00E+00	2.81E-08	1.83E-09	2.93E-09	0.00E+00	4.77E-09	8.02E-10	1.17E-09	0.00E+00	1.98E-09
5681	440869.2	3768811	9.81E-09	1.20E-08	0.00E+00	2.18E-08	1.11E-08	1.74E-08	0.00E+00	2.84E-08	1.85E-09	2.96E-09	0.00E+00	4.82E-09	8.11E-10	1.19E-09	0.00E+00	2.00E-09
5682	441457.7	3769230	5.93E-09	7.23E-09	0.00E+00	1.32E-08	6.68E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.79E-09	0.00E+00	2.91E-09	4.90E-10	7.17E-10	0.00E+00	1.21E-09
5683	441448.4	3769229	5.88E-09	7.17E-09	0.00E+00	1.30E-08	6.63E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.86E-10	7.12E-10	0.00E+00	1.20E-09
5684	441439.1	3769229	5.84E-09	7.12E-09	0.00E+00	1.30E-08	6.58E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.87E-09	4.83E-10	7.06E-10	0.00E+00	1.19E-09
5685	441429.8	3769228	5.79E-09	7.06E-09	0.00E+00	1.29E-08	6.53E-09	1.03E-08	0.00E+00	1.68E-08	1.10E-09	1.75E-09	0.00E+00	2.85E-09	4.79E-10	7.01E-10	0.00E+00	1.18E-09
5686	441420.5	3769227	5.75E-09	7.01E-09	0.00E+00	1.28E-08	6.48E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.82E-09	4.76E-10	6.96E-10	0.00E+00	1.17E-09
5687	441411.1	3769226	5.70E-09	6.95E-09	0.00E+00	1.27E-08	6.43E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.72E-10	6.90E-10	0.00E+00	1.16E-09
5688	441401.8	3769225	5.66E-09	6.90E-09	0.00E+00	1.26E-08	6.38E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.85E-10	0.00E+00	1.15E-09
5689	441392.5	3769224	5.61E-09	6.84E-09	0.00E+00	1.25E-08	6.33E-09	9.95E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.64E-10	6.79E-10	0.00E+00	1.14E-09
5690	441383.2	3769223	5.57E-09	6.79E-09	0.00E+00	1.24E-08	6.28E-09	9.88E-09	0.00E+00	1.62E-08	1.05E-09	1.68E-09	0.00E+00	2.74E-09	4.61E-10	6.74E-10	0.00E+00	1.14E-09
5691	441373.9	3769223	5.53E-09	6.75E-09	0.00E+00	1.23E-08	6.24E-09	9.81E-09	0.00E+00	1.60E-08	1.05E-09	1.67E-09	0.00E+00	2.72E-09	4.58E-10	6.70E-10	0.00E+00	1.13E-09
5692	441364.5	3769222	5.50E-09	6.70E-09	0.00E+00	1.22E-08	6.19E-09	9.74E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.70E-09	4.54E-10	6.65E-10	0.00E+00	1.12E-09
5693	441355.2	3769221	5.46E-09	6.66E-09	0.00E+00	1.21E-08	6.15E-09	9.67E-09	0.00E+00	1.58E-08	1.03E-09	1.65E-09	0.00E+00	2.68E-09	4.51E-10	6.61E-10	0.00E+00	1.11E-09
5694	441345.9	3769220	5.43E-09	6.61E-09	0.00E+00	1.20E-08	6.12E-09	9.62E-09	0.00E+00	1.57E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.49E-10	6.57E-10	0.00E+00	1.11E-09
5695	441336.6	3769219	5.39E-09	6.58E-09	0.00E+00	1.20E-08	6.08E-09	9.56E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.65E-09	4.46E-10	6.53E-10	0.00E+00	1.10E-09
5696	441327.3	3769218	5.36E-09	6.54E-09	0.00E+00	1.19E-08	6.05E-09	9.50E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.49E-10	0.00E+00	1.09E-09
5697	441317.9	3769218	5.33E-09	6.50E-09	0.00E+00	1.18E-08	6.01E-09	9.45E-09	0.00E+00	1.55E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.41E-10	6.45E-10	0.00E+00	1.09E-09
5698	441308.6	3769217	5.30E-09	6.46E-09	0.00E+00	1.18E-08	5.98E-09	9.40E-09	0.00E+00	1.54E-08	1.00E-09	1.60E-09	0.00E+00	2.60E-09	4.38E-10	6.42E-10	0.00E+00	1.08E-09
5699	441299.3	3769216	5.27E-09	6.43E-09	0.00E+00	1.17E-08	5.94E-09	9.34E-09	0.00E+00	1.53E-08	9.97E-10	1.59E-09	0.00E+00	2.59E-09	4.36E-10	6.38E-10	0.00E+00	1.07E-09
5700	441290	3769215	5.24E-09	6.39E-09	0.00E+00	1.16E-08	5.91E-09	9.29E-09	0.00E+00	1.52E-08	9.91E-10	1.58E-09	0.00E+00	2.57E-09	4.33E-10	6.34E-10	0.00E+00	1.07E-09
5701	441020.4	3769175	4.44E-09	5.41E-09	0.00E+00	9.85E-09	5.00E-09	7.86E-09	0.00E+00	1.29E-08	8.39E-10	1.34E-09	0.00E+00	2.18E-09	3.67E-10	5.37E-10	0.00E+00	9.04E-10
5702	441016	3769166	4.51E-09	5.50E-09	0.00E+00	1.00E-08	5.09E-09	8.00E-09	0.00E+00	1.31E-08	8.53E-10	1.36E-09	0.00E+00	2.22E-09	3.73E-10	5.46E-10	0.00E+00	9.19E-10
5703	441003	3769141	4.78E-09	5.83E-09	0.00E+00	1.06E-08	5.39E-09	8.47E-09	0.00E+00	1.39E-08	9.03E-10	1.44E-09	0.00E+00	2.35E-09	3.95E-10	5.78E-10	0.00E+00	9.73E-10
5704	440998.6	3769133	4.81E-09	5.86E-09	0.00E+00	1.07E-08	5.42E-09	8.52E-09	0.00E+00	1.39E-08	9.09E-10	1.45E-09	0.00E+00	2.36E-09	3.97E-10	5.82E-10	0.00E+00	9.79E-10
5705	440994.3	3769125	4.87E-09	5.94E-09	0.00E+00	1.08E-08	5.49E-09	8.63E-09	0.00E+00	1.41E-08	9.21E-10	1.47E-09	0.00E+00	2.39E-09	4.03E-10	5.89E-10	0.00E+00	9.92E-10
5706	440989.9	3769117	4.94E-09	6.02E-09	0.00E+00	1.10E-08	5.57E-09	8.75E-09	0.00E+00	1.43E-08	9.34E-10	1.49E-09	0.00E+00	2.43E-09	4.08E-10	5.98E-10	0.00E+00	1.01E-09
5707	440972.6	3769083	5.28E-09	6.43E-09	0.00E+00	1.17E-08	5.95E-09	9.35E-09	0.00E+00	1.53E-08	9.97E-10	1.59E-09	0.00E+00	2.59E-09	4.36E-10	6.39E-10	0.00E+00	1.07E-09
5708	440968.2	3769075	5.37E-09	6.55E-09	0.00E+00	1.19E-08	6.05E-09	9.52E-09	0.00E+00	1.56E-08	1.02E-09	1.62E-09	0.00E+00	2.64E-09	4.44E-10	6.50E-10	0.00E+00	1.09E-09
5709	440963.9	3769067	5.47E-09	6.67E-09	0.00E+00	1.21E-08	6.16E-09	9.69E-09	0.00E+00	1.59E-08	1.03E-09	1.65E-09	0.00E+00	2.69E-09	4.52E-10	6.62E-10	0.00E+00	1.11E-09

5710	440959.5	3769059	5.63E-09	6.87E-09	0.00E+00	1.25E-08	6.35E-09	9.98E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.77E-09	4.66E-10	6.82E-10	0.00E+00	1.15E-09
5711	440955.2	3769050	5.73E-09	6.99E-09	0.00E+00	1.27E-08	6.46E-09	1.02E-08	0.00E+00	1.66E-08	1.08E-09	1.73E-09	0.00E+00	2.81E-09	4.74E-10	6.93E-10	0.00E+00	1.17E-09
5712	440950.8	3769042	5.83E-09	7.10E-09	0.00E+00	1.29E-08	6.57E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.82E-10	7.05E-10	0.00E+00	1.19E-09
5713	440946.5	3769034	5.93E-09	7.23E-09	0.00E+00	1.32E-08	6.68E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.79E-09	0.00E+00	2.91E-09	4.90E-10	7.17E-10	0.00E+00	1.21E-09
5714	440942.1	3769025	6.03E-09	7.35E-09	0.00E+00	1.34E-08	6.80E-09	1.07E-08	0.00E+00	1.75E-08	1.14E-09	1.82E-09	0.00E+00	2.96E-09	4.99E-10	7.30E-10	0.00E+00	1.23E-09
5715	440833.5	3768818	8.68E-09	1.06E-08	0.00E+00	1.93E-08	9.79E-09	1.54E-08	0.00E+00	2.52E-08	1.64E-09	2.62E-09	0.00E+00	4.26E-09	7.18E-10	1.05E-09	0.00E+00	1.77E-09
5716	440829.2	3768810	8.77E-09	1.07E-08	0.00E+00	1.95E-08	9.88E-09	1.55E-08	0.00E+00	2.54E-08	1.66E-09	2.65E-09	0.00E+00	4.31E-09	7.25E-10	1.06E-09	0.00E+00	1.79E-09
5717	441467	3769231	5.97E-09	7.28E-09	0.00E+00	1.33E-08	6.73E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.93E-09	4.94E-10	7.23E-10	0.00E+00	1.22E-09
5718	441475.7	3769227	6.12E-09	7.46E-09	0.00E+00	1.36E-08	6.90E-09	1.08E-08	0.00E+00	1.77E-08	1.16E-09	1.85E-09	0.00E+00	3.00E-09	5.06E-10	7.40E-10	0.00E+00	1.25E-09
5719	441484.4	3769224	6.26E-09	7.64E-09	0.00E+00	1.39E-08	7.06E-09	1.11E-08	0.00E+00	1.82E-08	1.18E-09	1.89E-09	0.00E+00	3.08E-09	5.18E-10	7.58E-10	0.00E+00	1.28E-09
5720	441493.1	3769220	6.42E-09	7.82E-09	0.00E+00	1.42E-08	7.23E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.30E-10	7.76E-10	0.00E+00	1.31E-09
5721	441501.8	3769216	6.57E-09	8.01E-09	0.00E+00	1.46E-08	7.41E-09	1.16E-08	0.00E+00	1.90E-08	1.24E-09	1.98E-09	0.00E+00	3.23E-09	5.43E-10	7.95E-10	0.00E+00	1.34E-09
5722	441473.6	3769267	5.29E-09	6.45E-09	0.00E+00	1.17E-08	5.96E-09	9.38E-09	0.00E+00	1.53E-08	1.00E-09	1.60E-09	0.00E+00	2.60E-09	4.38E-10	6.40E-10	0.00E+00	1.08E-09
5723	441464.2	3769266	5.25E-09	6.40E-09	0.00E+00	1.17E-08	5.92E-09	9.31E-09	0.00E+00	1.52E-08	9.93E-10	1.59E-09	0.00E+00	2.58E-09	4.34E-10	6.36E-10	0.00E+00	1.07E-09
5724	441454.9	3769265	5.21E-09	6.36E-09	0.00E+00	1.16E-08	5.88E-09	9.24E-09	0.00E+00	1.51E-08	9.86E-10	1.58E-09	0.00E+00	2.56E-09	4.31E-10	6.31E-10	0.00E+00	1.06E-09
5725	441445.6	3769264	5.18E-09	6.31E-09	0.00E+00	1.15E-08	5.84E-09	9.18E-09	0.00E+00	1.50E-08	9.79E-10	1.56E-09	0.00E+00	2.54E-09	4.28E-10	6.27E-10	0.00E+00	1.06E-09
5726	441436.2	3769264	5.15E-09	6.28E-09	0.00E+00	1.14E-08	5.80E-09	9.12E-09	0.00E+00	1.49E-08	9.73E-10	1.56E-09	0.00E+00	2.53E-09	4.26E-10	6.23E-10	0.00E+00	1.05E-09
5727	441426.9	3769263	5.12E-09	6.24E-09	0.00E+00	1.14E-08	5.77E-09	9.07E-09	0.00E+00	1.48E-08	9.67E-10	1.55E-09	0.00E+00	2.51E-09	4.23E-10	6.19E-10	0.00E+00	1.04E-09
5728	441417.6	3769262	5.08E-09	6.20E-09	0.00E+00	1.13E-08	5.73E-09	9.01E-09	0.00E+00	1.47E-08	9.61E-10	1.54E-09	0.00E+00	2.50E-09	4.20E-10	6.15E-10	0.00E+00	1.04E-09
5729	441408.2	3769261	5.05E-09	6.15E-09	0.00E+00	1.12E-08	5.69E-09	8.94E-09	0.00E+00	1.46E-08	9.54E-10	1.52E-09	0.00E+00	2.48E-09	4.17E-10	6.11E-10	0.00E+00	1.03E-09
5730	441398.9	3769260	5.01E-09	6.11E-09	0.00E+00	1.11E-08	5.65E-09	8.88E-09	0.00E+00	1.45E-08	9.47E-10	1.51E-09	0.00E+00	2.46E-09	4.14E-10	6.06E-10	0.00E+00	1.02E-09
5731	441389.5	3769259	4.97E-09	6.06E-09	0.00E+00	1.10E-08	5.60E-09	8.81E-09	0.00E+00	1.44E-08	9.40E-10	1.50E-09	0.00E+00	2.44E-09	4.11E-10	6.02E-10	0.00E+00	1.01E-09
5732	441380.2	3769258	4.94E-09	6.02E-09	0.00E+00	1.10E-08	5.56E-09	8.75E-09	0.00E+00	1.43E-08	9.33E-10	1.49E-09	0.00E+00	2.42E-09	4.08E-10	5.97E-10	0.00E+00	1.01E-09
5733	441370.9	3769258	4.83E-09	5.88E-09	0.00E+00	1.07E-08	5.44E-09	8.55E-09	0.00E+00	1.40E-08	9.12E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.84E-10	0.00E+00	9.83E-10
5734	441361.5	3769257	4.79E-09	5.84E-09	0.00E+00	1.06E-08	5.40E-09	8.48E-09	0.00E+00	1.39E-08	9.05E-10	1.45E-09	0.00E+00	2.35E-09	3.96E-10	5.79E-10	0.00E+00	9.75E-10
5735	441352.2	3769256	4.76E-09	5.80E-09	0.00E+00	1.06E-08	5.36E-09	8.43E-09	0.00E+00	1.38E-08	9.00E-10	1.44E-09	0.00E+00	2.34E-09	3.94E-10	5.76E-10	0.00E+00	9.69E-10
5736	441342.9	3769255	4.73E-09	5.77E-09	0.00E+00	1.05E-08	5.33E-09	8.39E-09	0.00E+00	1.37E-08	8.95E-10	1.43E-09	0.00E+00	2.32E-09	3.91E-10	5.73E-10	0.00E+00	9.64E-10
5737	441333.5	3769254	4.71E-09	5.74E-09	0.00E+00	1.04E-08	5.31E-09	8.34E-09	0.00E+00	1.36E-08	8.90E-10	1.42E-09	0.00E+00	2.31E-09	3.89E-10	5.70E-10	0.00E+00	9.59E-10
5738	441324.2	3769253	4.68E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.30E-09	0.00E+00	1.36E-08	8.86E-10	1.42E-09	0.00E+00	2.30E-09	3.87E-10	5.67E-10	0.00E+00	9.54E-10
5739	441314.9	3769253	4.66E-09	5.68E-09	0.00E+00	1.03E-08	5.26E-09	8.26E-09	0.00E+00	1.35E-08	8.82E-10	1.41E-09	0.00E+00	2.29E-09	3.86E-10	5.64E-10	0.00E+00	9.50E-10
5740	441305.5	3769252	4.64E-09	5.66E-09	0.00E+00	1.03E-08	5.23E-09	8.23E-09	0.00E+00	1.35E-08	8.78E-10	1.40E-09	0.00E+00	2.28E-09	3.84E-10	5.62E-10	0.00E+00	9.46E-10
5741	441296.2	3769251	4.68E-09	5.71E-09	0.00E+00	1.04E-08	5.28E-09	8.30E-09	0.00E+00	1.36E-08	8.85E-10	1.41E-09	0.00E+00	2.30E-09	3.87E-10	5.67E-10	0.00E+00	9.54E-10
5742	441286.9	3769250	4.66E-09	5.68E-09	0.00E+00	1.03E-08	5.25E-09	8.26E-09	0.00E+00	1.35E-08	8.81E-10	1.41E-09	0.00E+00	2.29E-09	3.85E-10	5.64E-10	0.00E+00	9.49E-10
5743	441221.5	3769244	4.50E-09	5.49E-09	0.00E+00	1.00E-08	5.08E-09	7.98E-09	0.00E+00	1.31E-08	8.52E-10	1.36E-09	0.00E+00	2.21E-09	3.72E-10	5.45E-10	0.00E+00	9.18E-10
5744	441202.8	3769242	4.46E-09	5.44E-09	0.00E+00	9.90E-09	5.03E-09	7.90E-09	0.00E+00	1.29E-08	8.43E-10	1.35E-09	0.00E+00	2.19E-09	3.69E-10	5.40E-10	0.00E+00	9.09E-10
5745	441193.5	3769241	4.44E-09	5.41E-09	0.00E+00	9.85E-09	5.00E-09	7.86E-09	0.00E+00	1.29E-08	8.39E-10	1.34E-09	0.00E+00	2.18E-09	3.67E-10	5.37E-10	0.00E+00	9.04E-10
5746	441184.2	3769241	4.41E-09	5.38E-09	0.00E+00	9.79E-09	4.98E-09	7.82E-09	0.00E+00	1.28E-08	8.34E-10	1.33E-09	0.00E+00	2.17E-09	3.65E-10	5.34E-10	0.00E+00	8.99E-10
5747	441174.8	3769240	4.39E-09	5.35E-09	0.00E+00	9.74E-09	4.95E-09	7.78E-09	0.00E+00	1.27E-08	8.30E-10	1.33E-09	0.00E+00	2.16E-09	3.63E-10	5.31E-10	0.00E+00	8.94E-10
5748	440976.3	3769166	4.31E-09	5.26E-09	0.00E+00	9.57E-09	4.86E-09	7.64E-09	0.00E+00	1.25E-08	8.15E-10	1.30E-09	0.00E+00	2.12E-09	3.56E-10	5.22E-10	0.00E+00	8.78E-10
5749	440972	3769158	4.38E-09	5.34E-09	0.00E+00	9.71E-09	4.93E-09	7.76E-09	0.00E+00	1.27E-08	8.28E-10	1.32E-09	0.00E+00	2.15E-09	3.62E-10	5.30E-10	0.00E+00	8.92E-10
5750	440967.6	3769150	4.44E-09	5.42E-09	0.00E+00	9.86E-09	5.01E-09	7.88E-09	0.00E+00	1.29E-08	8.40E-10	1.34E-09	0.00E+00	2.18E-09	3.68E-10	5.38E-10	0.00E+00	9.05E-10
5751	440963.3	3769141	4.51E-09	5.50E-09	0.00E+00	1.00E-08	5.09E-09	8.00E-09	0.00E+00	1.31E-08	8.53E-10	1.36E-09	0.00E+00	2.22E-09	3.73E-10	5.46E-10	0.00E+00	9.19E-10
5752	440950.2	3769116	4.73E-09	5.76E-09	0.00E+00	1.05E-08	5.33E-09	8.37E-09	0.00E+00	1.37E-08	8.93E-10	1.43E-09	0.00E+00	2.32E-09	3.91E-10	5.72E-10	0.00E+00	9.63E-10
5753	440945.9	3769108	4.80E-09	5.85E-09	0.00E+00	1.06E-08	5.41E-09	8.50E-09	0.00E+00	1.39E-08	9.07E-10	1.45E-09	0.00E+00	2.36E-09	3.97E-10	5.81E-10	0.00E+00	9.77E-10
5754	440941.5	3769100	4.87E-09	5.94E-09	0.00E+00	1.08E-08	5.49E-09	8.63E-09	0.00E+00	1.41E-08	9.21E-10	1.47E-09	0.00E+00	2.39E-09	4.03E-10	5.90E-10	0.00E+00	9.93E-10
5755	440937.2	3769092	4.95E-09	6.03E-09	0.00E+00	1.10E-08	5.58E-09	8.77E-09	0.00E+00	1.43E-08	9.35E-10	1.49E-09	0.00E+00	2.43E-09	4.09E-10	5.99E-10	0.00E+00	1.01E-09
5756	440932.8	3769083	5.02E-09	6.12E-09	0.00E+00	1.11E-08	5.66E-09	8.90E-09	0.00E+00	1.46E-08	9.50E-10	1.52E-09	0.00E+00	2.47E-09	4.15E-10	6.08E-10	0.00E+00	1.02E-09
5757	440928.5	3769075	5.10E-09	6.22E-09	0.00E+00	1.13E-08	5.75E-09	9.04E-09	0.00E+00	1.48E-08	9.64E-10	1.54E-09	0.00E+00	2.51E-09	4.22E-10	6.17E-10	0.00E+00	1.04E-09
5758	440924.1	3769067	5.18E-09	6.32E-09	0.00E+00	1.15E-08	5.84E-09	9.18E-09	0.00E+00	1.50E-08	9.80E-10	1.57E-09	0.00E+00	2.55E-09	4.29E-10	6.27E-10	0.00E+00	1.06E-09
5759	440919.8	3769058	5.27E-09	6.42E-09	0.00E+00	1.17E-08	5.94E-09	9.33E-09	0.00E+00	1.53E-08	9.96E-10	1.59E-09	0.00E+00	2.59E-09	4.36E-10	6.37E-10	0.00E+00	1.07E-09
5760	440915.4	3769050	5.35E-09	6.53E-09	0.00E+00	1.19E-08	6.03E-09	9.49E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.48E-10	0.00E+00	1.09E-09
5761	440911.1	3769042	5.44E-09	6.63E-09	0.00E+00	1.21E-08	6.13E-09	9.64E-09	0.00E+00	1.58E-08	1.03E-09	1.64E-09	0.00E+00	2.67E-09	4.50E-10	6.58E-10	0.00E+00	1.11E-09
5762	440906.7	3769033	5.53E-09	6.74E-09	0.00E+00	1.23E-08	6.23E-09	9.80E-09	0.00E+00	1.60E-08	1.05E-09	1.67E-09	0.00E+00	2.72E-09	4.57E-10	6.69E-10	0.00E+00	1.13E-09
5763	440902.4	3769025	5.62E-09	6.85E-09	0.00E+00	1.25E-08	6.33E-09	9.95E-09	0.00E+00	1.63E-08	1.06E-09	1.70E-09	0.00E+00	2.76E-09	4.64E-10	6.80E-10	0.00E+00	1.14E-09
5764	440871.9	3768967	6.25E-09	7.62E-09	0.00E+00	1.39E-08	7.05E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.17E-10	7.56E-10	0.00E+00	1.27E-09
5765	440797.9	3768826	7.75E-09	9.45E-09	0.00E+00	1.72E-08	8.73E-09	1.37E-08	0.00E+00	2.25E-08	1.46E-09	2.34E-09	0.00E+00	3.81E-09	6.41E-10	9.38E-10	0.00E+00	1.58E-09
5766	440789.2	3768809	7.89E-09	9.62E-09	0.00E+00	1.75E-08	8.90E-09	1.40E-08	0.00E+00	2.29E-08	1.49E-09	2.38E-09	0.00E+00	3.88E-09	6.53E-10	9.55E-10	0.00E+00	1.61E-09
5767	441482.9	3769268	5.33E-09	6.50E-09	0.00E+00	1.18E-08	6.01E-09	9.44E-09	0.00E+00	1.54E-08	1.01E-09	1.61E-09	0.00E+00	2.62E-09	4.41E-10	6.45E-10	0.00E+00	1.09E-09
5768	441491.6	3769264	5.45E-09	6.64E-09	0.00E+00	1.21E-08	6.14E-09	9.66E-09	0.00E+00	1.58E-08	1.03E-09	1.65E-09	0.00E+00	2.68E-09	4.51E-10	6.59E-10	0.00E+00	1.11E-09
5769	441500.3	3769260	5.57E-09	6.79E-09	0.00E+00	1.24E-08	6.28E-09	9.88E-09	0.00E+00	1.62E-08	1.05E-09	1.68E-09	0.00E+00	2.74E-09	4.61E-10	6.74E-10	0.00E+00	1.14E-09
5770	441508.9	3769257	5.70E-09	6.95E-09	0.00E+00	1.26E-08	6.42E-09	1.01E-08	0.00E+00	1.65E-08	1.08E-09	1.72E-09	0.00E+00	2.80E-09	4.71E-10	6.90E-10	0.00E+00	1.16E-09
5771	441517.6	3769253	5.82E-09	7.10E-09	0.00E+00	1.29E-08	6.57E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.86E-09	4.82E-10	7.05E-10	0.00E+00	1.19E-09
5772	441489.4	3769304	4.63E-09	5.64E-09	0.00E+00	1.03E-08	5.22E-09	8.20E-09	0.00E+00	1.34E-08	8.75E-10	1.40E-09	0.00E+00	2.27E-09	3.83E-10	5.60E-10	0.00E+00	9.43E-10
5773	441480.1	3769303	4.60E-09	5.61E-09	0.00E+00	1.02E-08	5.18E-09	8.15E-09	0.00E+00	1.33E-08	8.70E-10	1.39E-09	0.00E+00	2.26E-09	3.80E-10	5.57E-10	0.00E+00	9.37E-10
5774	441470.7	3769302	4.57E-09	5.58E-09	0.00E+00	1.01E-08	5.16E-09	8.10E-09	0.00E+00	1.33E-08	8.65E-10	1.38E-09	0.00E+00	2.25E-09	3.78E-10	5.54E-10	0.00E+00	9.32E-10
5775	441461.4	3769301	4.55E-09	5.54E-09	0.00E+00	1.01E-08	5.13E-09	8.06E-09	0.00E+00	1.32E-08	8.60E-10	1.37E-09	0.00E+00	2.23E-09	3.76E-10	5.50E-10	0.00E+00	9.26E-10
5776	441452	3769300	4.52E-09	5.51E-09	0.00E+00	1.00E-08	5.10E-09	8.01E-09	0.00E+00	1.31E-08	8.55E-10	1.37E-09	0.00E+00	2.22E-09	3.74E-10	5.47E-10	0.00E+00	9.21E-10
5777	441442.7	3769299	4.49E-09	5.48E-09	0.00E+00	9.97E-09	5.06E-09	7.96E-09	0.00E+00	1.30E-08	8.49E-10	1.36E-09	0.00E+00	2.21E-09	3.71E-10	5.44E-10	0.00E+00	9.15E-10
5778	441433.3	3769299	4.46E-09	5.44E-09	0.00E+00	9.90E-09	5.03E-09	7.91E-09	0.00E+00	1.29E-08	8.43E-10	1.35E-09	0.00E+00	2.19E-09	3.69E-10	5.40E-10	0.00E+00	9.09E-10
5779	441424	3769298	4.43E-09	5.40E-09	0.00E+00	9.84E-09	5.00E-09	7.86E-09	0.00E+00	1.29E-08	8.38E-10	1.34E-09	0.00E+00	2.18E-09	3.67E-10	5.36E-10	0.00E+00	9.03E-10
5780	441414.6	3769297	4.40E-09	5.37E-09	0.00E+00	9.77E-09	4.96E-09	7.80E-09	0.00E+00	1.28E-08	8.32E-10	1.33E-09	0.00E+00	2.16E-09	3.64E-10	5.33E-10	0.00E+00	8.97E-10
5781	441405.3	3769296	4.37E-09	5.33E-09	0.00E+00	9.71E-09	4.93E-09	7.75E-09	0.00E+00	1.27E-08	8.27E-10	1.32E-09	0.00E+00	2.15E-09	3.62E-10	5.29E-10	0.00E+00	8.91E-10
5782	441395.9	3769295	4.35E-09	5.30E-09	0.00E+00	9.65E-09	4.90E-09	7.70E-09	0.00E+00	1.26E-08	8.22E-10	1.31E-09	0.00E+00	2.14E-09	3.59E-10	5.26E-10	0.00E+00	8.86E-10
5783	441386.6	3769294	4.32E-09	5.26E-09	0.00E+00	9.58E-09	4.87E-09	7.65E-09	0.00E+00	1.25E-08	8.16E-10	1.30E-09	0.00E+00	2.12E-09	3.57E-10	5.23E-10	0.00E+00	8.80E-10
5784	441377.2	3769293	4.29E-09	5.23E-09	0.00E+00	9.51E-09	4.83E-09	7.60E-09	0.00E+00	1.24E-08	8.10E-10	1.29E-09	0.00E+00	2.11E-09	3.54E-10	5.19E-10	0.00E+00	8.73E-10
5785	441367.9	3769293	4.25E-09	5.19E-09	0.00E+00	9.44E-09	4.80E-09	7.54E-09	0.00E+00	1.23E-08	8.04E-10	1.29E-09	0.00E+00	2.09E-09	3.52E-10	5.15E-10	0.00E+00	8.67E-10
5786	441358.5	3769292	4.23E-09	5.15E-09	0.00E+00	9.38E-09	4.76E-09	7.49E-09	0.00E+00	1.23E-08	7.99E-10	1.28E-09	0.00E+00	2.08E-09	3.49E-10	5.11E-10	0.00E+00	8.61E-10
5787	441349.2	3769291	4.20E-09	5.13E-09	0.00E+00	9.33E-09	4.74E-09	7.45E-09	0.00E+00	1.22E-08	7.95E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.09E-10	0.00E+00	8.56E-10
5788	441339.8	3769290	4.18E-09	5.10E-09	0.00E+00	9.29E-09	4.72E-09	7.41E-09	0.00E+00	1.21E-08	7.91E-10	1.26E-09	0.00E+00	2.06E-09	3.46E-10	5.06E-10	0.00E+00	8.52E-10
5789	441330.5	3769289	4.17E-09	5.08E-09	0.00E+00	9.24E-09	4.70E-09	7.38E-09	0.00E+00	1.21E-08	7.88E-10	1.26E-09	0.00E+00	2.05E-09	3.44E-10	5.04E-10	0.00E+00	8.49E-10
5790	441321.1	3769288	4.16E-09	5.07E-09	0.00E+00	9.22E-09	4.68E-09	7.37E-09	0.00E+00	1.20E-08	7.86E-10	1.26E-09	0.00E+00	2.04E-09	3.44E-10	5.03E-10	0.00E+00	8.47E-10
5791	441311.8	3769288	4.15E-09	5.06E-09	0.00E+00	9.20E-09	4.67E-09	7.35E-09	0.00E+00	1.20E-08	7.84E-10	1.25E-09	0.00E+00	2.04E-09	3.43E-10	5.02E-10	0.00E+00	8.45E-10
5792	441302.4	3769287	4.14E-09	5.04E-09	0.00E+00	9.18E-09	4.66E-09	7.33E-09	0.00E+00	1.20E-08	7.82E-10	1.25E-09	0.00E+00	2.03E-09	3.42E-10	5.01E-10	0.00E+00	8.43E-10
5793	441293.1	3769286	4.12E-09	5.03E-09	0.00E+00	9.15E-09	4.65E-09	7.31E-09	0.00E+00	1.20E-08	7.79E-10	1.25E-09	0.00E+00	2.03E-09	3.41E-10	4.99E-10	0.00E+00	8.40E-10
5794	441283.7	3769285	4.11E-09	5.01E-09	0.00E+00	9.12E-09	4.63E-09	7.28E-09	0.00E+00	1.19E-08	7.77E-10	1.24E-09	0.00E+00	2.02E-09	3.40E-10	4.97E-10	0.00E+00	8.37E-10
5795	441265	3769283	4.08E-09	4.97E-09	0.00E+00	9.05E-09	4.60E-09	7.23E-09	0.00E+00	1.18E-08	7.71E-10	1.23E-09	0.00E+00	2.00E-09	3.37E-10	4.93E-10	0.00E+00	8.31E-10
5796	441255.7	3769282	4.06E-09	4.95E-09	0.00E+00	9.01E-09	4.57E-09	7.19E-09	0.00E+00	1.18E-08	7.67E-10	1.23E-09	0.00E+00	1.99E-09	3.36E-10	4.91E-10	0.00E+00	8.27E-10
5797	441190.2	3769276	3.94E-09	4.81E-09	0.00E+00	8.75E-09	4.44E-09	6.99E-09	0.00E+00	1.14E-08	7.45E-10	1.19E-09	0.00E+00	1.94E-09	3.26E-10	4.77E-10	0.00E+00	8.03E-10
5798	441180.9	3769276	3.93E-09	4.79E-09	0.00E+00	8.72E-09	4.43E-09	6.97E-09	0.00E+00	1.14E-08	7.43E-10	1.19E-09	0.00E+00	1.93E-09	3.25E-10	4.76E-10	0.00E+00	8.01E-10
5799	441171.5	3769275	3.92E-09	4.78E-09	0.00E+00	8.70E-09	4.42E-09	6.94E-09	0.00E+00	1.14E-08	7.41E-10	1.18E-09	0.00E+00	1.92E-09	3.24E-10	4.74E-10	0.00E+00	7.98E-10
5800	441162.2	3769274	3.91E-09	4.76E-09	0.00E+00	8.67E-09	4.40E-09	6.92E-09	0.00E+00	1.13E-08	7.38E-10	1.18E-09	0.00E+00	1.92E-09	3.23E-10	4.73E-10	0.00E+00	7.96E-10
5801	441152.9	3769273	3.89E-09	4.74E-09	0.00E+00	8.63E-09	4.39E-09	6.89E-09	0.00E+00	1.13E-08	7.35E-10	1.18E-09	0.00E+00	1.91E-09	3.22E-10	4.71E-10	0.00E+00	7.93E-10
5802	441143.5	3769272	3.87E-09	4.72E-09	0.00E+00	8.60E-09	4.37E-09	6.86E-09	0.00E+00	1.12E-08	7.32E-10	1.17E-09	0.00E+00	1.90E-09	3.20E-10	4.69E-10	0.00E+00	7.89E-10
5803	441134.2	3769271	3.86E-09	4.70E-09	0.00E+00	8.55E-09	4.35E-09	6.83E-09	0.00E+00	1.12E-08	7.29E-10	1.16E-09	0.00E+00	1.89E-09	3.19E-10	4.67E-10	0.00E+00	7.85E-10
5804	441124.8	3769270	3.84E-09	4.68E-09	0.00E+00	8.51E-09	4.32E-09	6.80E-09	0.00E+00	1.11E-08	7.25E-10	1.16E-09	0.00E+00	1.88E-09	3.17E-10	4.64E-10	0.00E+00	7.81E-10
5805	440923.6	3769141	4.26E-09	5.20E-09	0.00E+00	9.46E-09	4.80E-09	7.55E-09	0.00E+00	1.24E-08	8.06E-10	1.29E-09	0.00E+00	2.09E-09	3.52E-10	5.16E-10	0.00E+00	8.68E-10
5806	440919.2	3769133	4.32E-09	5.27E-09	0.00E+00	9.60E-09	4.87E-09	7.66E-09	0.00E+00	1.25E-08	8.18E-10	1.31E-09	0.00E+00	2.12E-09	3.58E-10	5.23E-10	0.00E+00	8.81E-10
5807	440914.8	3769125	4.39E-09	5.35E-09	0.00E+00	9.74E-09	4.95E-09	7.77E-09	0.00E+00	1.27E-08	8.29E-10	1.33E-09	0.00E+00	2.15E-09	3.63E-10	5.31E-10	0.00E+00	8.94E-10
5808	440910.5	3769116	4.45E-09	5.43E-09	0.00E+00	9.88E-09	5.02E-09	7.89E-09	0.00E+00	1.29E-08	8.41E-10	1.34E-09	0.00E+00	2.19E-09	3.68E-10	5.39E-10	0.00E+00	9.07E-10
5809	440906.1	3769108	4.52E-09	5.50E-09	0.00E+00	1.00E-08	5.09E-09	8.00E-09	0.00E+00	1.31E-08	8.54E-10	1.36E-09	0.00E+00	2.22E-09	3.73E-10	5.46E-10	0.00E+00	9.20E-10
5810	440901.8	3769100	4.58E-09	5.58E-09	0.00E+00	1.02E-08	5.16E-09	8.12E-09	0.00E+00	1.33E-08	8.66E-10	1.38E-09	0.00E+00	2.25E-09	3.79E-10	5.54E-10	0.00E+00	9.33E-10
5811	440897.4	3769091	4.65E-09	5.66E-09	0.00E+00	1.03E-08	5.24E-09	8.23E-09	0.00E+00	1.35E-08	8.78E-10	1.40E-09	0.00E+00	2.28E-09	3.84E-10	5.62E-10	0.00E+00	9.47E-10
5812	440893	3769083	4.71E-09	5.75E-09	0.00E+00	1.05E-08	5.31E-09	8.35E-09	0.00E+00	1.37E-08	8.91E-10	1.42E-09	0.00E+00	2.32E-09	3.90E-10	5.71E-10	0.00E+00	9.60E-10
5813	440888.7	3769075	4.79E-09	5.83E-09	0.00E+00	1.06E-08	5.39E-09	8.48E-09	0.00E+00	1.39E-08	9.05E-10	1.45E-09	0.00E+00	2.35E-09	3.96E-10	5.79E-10	0.00E+00	9.75E-10
5814	440884.3	3769066	4.86E-09	5.92E-09	0.00E+00	1.08E-08	5.48E-09	8.61E-09	0.00E+00	1.41E-08	9.19E-10	1.47E-09	0.00E+00	2.39E-09	4.02E-10	5.88E-10	0.00E+00	9.90E-10
5815	440880	3769058	4.93E-09	6.01E-09	0.00E+00	1.09E-08	5.56E-09	8.74E-09	0.00E+00	1.43E-08	9.33E-10	1.49E-09	0.00E+00	2.42E-09	4.08E-10	5.97E-10	0.00E+00	1.00E-09
5816	440875.6	3769050	5.01E-09	6.10E-09	0.00E+00	1.11E-08	5.64E-09	8.87E-09	0.00E+00	1.45E-08	9.47E-10	1.51E-09	0.00E+00	2.46E-09	4.14E-10	6.06E-10	0.00E+00	1.02E-09
5817	440871.2	3769041	5.08E-09	6.20E-09	0.00E+00	1.13E-08	5.73E-09	9.01E-09	0.00E+00	1.47E-08	9.61E-10	1.54E-09	0.00E+00	2.50E-09	4.20E-10	6.15E-10	0.00E+00	1.04E-09
5818	440866.9	3769033	5.16E-09	6.29E-09	0.00E+00	1.14E-08	5.81E-09	9.14E-09	0.00E+00	1.50E-08	9.75E-10	1.56E-09	0.00E+00	2.53E-09	4.27E-10	6.24E-10	0.00E+00	1.05E-09
5819	440862.5	3769025	5.24E-09	6.38E-09	0.00E+00	1.16E-08	5.90E-09	9.28E-09	0.00E+00	1.52E-08	9.90E-10	1.58E-09	0.00E+00	2.57E-09	4.33E-10	6.34E-10	0.00E+00	1.07E-09
5820	440832	3768967	5.78E-09	7.04E-09	0.00E+00	1.28E-08	6.51E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.84E-09	4.78E-10	6.99E-10	0.00E+00	1.18E-09
5821	440757.9	3768825	7.03E-09	8.57E-09	0.00E+00	1.56E-08	7.93E-09	1.25E-08	0.00E+00	2.04E-08	1.33E-09	2.12E-09	0.00E+00	3.45E-09	5.82E-10	8.51E-10	0.00E+00	1.43E-09

5822	440749.2	3768809	7.15E-09	8.72E-09	0.00E+00	1.59E-08	8.06E-09	1.27E-08	0.00E+00	2.07E-08	1.35E-09	2.16E-09	0.00E+00	3.51E-09	5.91E-10	8.65E-10	0.00E+00	1.46E-09
5823	441498.7	3769305	4.66E-09	5.68E-09	0.00E+00	1.03E-08	5.25E-09	8.26E-09	0.00E+00	1.35E-08	8.81E-10	1.41E-09	0.00E+00	2.29E-09	3.85E-10	5.64E-10	0.00E+00	9.49E-10
5824	441507.4	3769301	4.76E-09	5.81E-09	0.00E+00	1.06E-08	5.37E-09	8.44E-09	0.00E+00	1.38E-08	9.00E-10	1.44E-09	0.00E+00	2.34E-09	3.94E-10	5.76E-10	0.00E+00	9.70E-10
5825	441516.1	3769297	4.87E-09	5.94E-09	0.00E+00	1.08E-08	5.49E-09	8.63E-09	0.00E+00	1.41E-08	9.20E-10	1.47E-09	0.00E+00	2.39E-09	4.03E-10	5.89E-10	0.00E+00	9.92E-10
5826	441524.8	3769293	4.98E-09	6.07E-09	0.00E+00	1.10E-08	5.61E-09	8.82E-09	0.00E+00	1.44E-08	9.41E-10	1.50E-09	0.00E+00	2.44E-09	4.12E-10	6.02E-10	0.00E+00	1.01E-09
5827	441533.5	3769290	5.09E-09	6.20E-09	0.00E+00	1.13E-08	5.73E-09	9.02E-09	0.00E+00	1.48E-08	9.62E-10	1.54E-09	0.00E+00	2.50E-09	4.21E-10	6.16E-10	0.00E+00	1.04E-09
5828	441505.2	3769340	4.18E-09	5.09E-09	0.00E+00	9.27E-09	4.71E-09	7.41E-09	0.00E+00	1.21E-08	7.90E-10	1.26E-09	0.00E+00	2.05E-09	3.46E-10	5.06E-10	0.00E+00	8.51E-10
5829	441495.9	3769340	4.15E-09	5.06E-09	0.00E+00	9.21E-09	4.68E-09	7.36E-09	0.00E+00	1.20E-08	7.85E-10	1.25E-09	0.00E+00	2.04E-09	3.43E-10	5.02E-10	0.00E+00	8.46E-10
5830	441486.5	3769339	4.12E-09	5.03E-09	0.00E+00	9.15E-09	4.65E-09	7.31E-09	0.00E+00	1.20E-08	7.80E-10	1.25E-09	0.00E+00	2.03E-09	3.41E-10	4.99E-10	0.00E+00	8.40E-10
5831	441477.2	3769338	4.10E-09	4.99E-09	0.00E+00	9.09E-09	4.62E-09	7.26E-09	0.00E+00	1.19E-08	7.75E-10	1.24E-09	0.00E+00	2.01E-09	3.39E-10	4.96E-10	0.00E+00	8.35E-10
5832	441467.8	3769337	4.07E-09	4.97E-09	0.00E+00	9.04E-09	4.59E-09	7.22E-09	0.00E+00	1.18E-08	7.70E-10	1.23E-09	0.00E+00	2.00E-09	3.37E-10	4.93E-10	0.00E+00	8.30E-10
5833	441458.4	3769336	4.05E-09	4.94E-09	0.00E+00	8.99E-09	4.57E-09	7.18E-09	0.00E+00	1.17E-08	7.66E-10	1.22E-09	0.00E+00	1.99E-09	3.35E-10	4.90E-10	0.00E+00	8.25E-10
5834	441449.1	3769335	4.03E-09	4.91E-09	0.00E+00	8.94E-09	4.54E-09	7.14E-09	0.00E+00	1.17E-08	7.62E-10	1.22E-09	0.00E+00	1.98E-09	3.33E-10	4.88E-10	0.00E+00	8.21E-10
5835	441439.7	3769334	4.00E-09	4.87E-09	0.00E+00	8.87E-09	4.51E-09	7.09E-09	0.00E+00	1.16E-08	7.56E-10	1.21E-09	0.00E+00	1.96E-09	3.31E-10	4.84E-10	0.00E+00	8.15E-10
5836	441430.4	3769334	3.97E-09	4.84E-09	0.00E+00	8.81E-09	4.48E-09	7.04E-09	0.00E+00	1.15E-08	7.51E-10	1.20E-09	0.00E+00	1.95E-09	3.28E-10	4.80E-10	0.00E+00	8.09E-10
5837	441421	3769333	3.94E-09	4.81E-09	0.00E+00	8.75E-09	4.44E-09	6.99E-09	0.00E+00	1.14E-08	7.45E-10	1.19E-09	0.00E+00	1.94E-09	3.26E-10	4.77E-10	0.00E+00	8.03E-10
5838	441411.6	3769332	3.92E-09	4.77E-09	0.00E+00	8.69E-09	4.41E-09	6.94E-09	0.00E+00	1.14E-08	7.40E-10	1.18E-09	0.00E+00	1.92E-09	3.24E-10	4.74E-10	0.00E+00	7.98E-10
5839	441402.3	3769331	3.89E-09	4.74E-09	0.00E+00	8.63E-09	4.38E-09	6.89E-09	0.00E+00	1.13E-08	7.35E-10	1.17E-09	0.00E+00	1.91E-09	3.21E-10	4.70E-10	0.00E+00	7.92E-10
5840	441392.9	3769330	3.86E-09	4.71E-09	0.00E+00	8.57E-09	4.35E-09	6.84E-09	0.00E+00	1.12E-08	7.30E-10	1.17E-09	0.00E+00	1.90E-09	3.19E-10	4.67E-10	0.00E+00	7.86E-10
5841	441383.6	3769329	3.84E-09	4.68E-09	0.00E+00	8.52E-09	4.33E-09	6.81E-09	0.00E+00	1.11E-08	7.26E-10	1.16E-09	0.00E+00	1.89E-09	3.18E-10	4.65E-10	0.00E+00	7.82E-10
5842	441374.2	3769329	3.82E-09	4.66E-09	0.00E+00	8.48E-09	4.31E-09	6.78E-09	0.00E+00	1.11E-08	7.23E-10	1.16E-09	0.00E+00	1.88E-09	3.16E-10	4.63E-10	0.00E+00	7.79E-10
5843	441364.8	3769328	3.81E-09	4.64E-09	0.00E+00	8.45E-09	4.29E-09	6.75E-09	0.00E+00	1.10E-08	7.20E-10	1.15E-09	0.00E+00	1.87E-09	3.15E-10	4.61E-10	0.00E+00	7.75E-10
5844	441355.5	3769327	3.79E-09	4.62E-09	0.00E+00	8.41E-09	4.27E-09	6.72E-09	0.00E+00	1.10E-08	7.16E-10	1.14E-09	0.00E+00	1.86E-09	3.13E-10	4.59E-10	0.00E+00	7.72E-10
5845	441346.1	3769326	3.77E-09	4.60E-09	0.00E+00	8.37E-09	4.25E-09	6.68E-09	0.00E+00	1.09E-08	7.13E-10	1.14E-09	0.00E+00	1.85E-09	3.12E-10	4.56E-10	0.00E+00	7.68E-10
5846	441336.8	3769325	3.76E-09	4.58E-09	0.00E+00	8.33E-09	4.23E-09	6.65E-09	0.00E+00	1.09E-08	7.10E-10	1.13E-09	0.00E+00	1.84E-09	3.11E-10	4.54E-10	0.00E+00	7.65E-10
5847	441327.4	3769324	3.74E-09	4.56E-09	0.00E+00	8.30E-09	4.22E-09	6.63E-09	0.00E+00	1.08E-08	7.07E-10	1.13E-09	0.00E+00	1.84E-09	3.09E-10	4.53E-10	0.00E+00	7.62E-10
5848	441318	3769323	3.72E-09	4.54E-09	0.00E+00	8.26E-09	4.20E-09	6.60E-09	0.00E+00	1.08E-08	7.04E-10	1.13E-09	0.00E+00	1.83E-09	3.08E-10	4.51E-10	0.00E+00	7.59E-10
5849	441308.7	3769323	3.71E-09	4.52E-09	0.00E+00	8.23E-09	4.18E-09	6.57E-09	0.00E+00	1.08E-08	7.01E-10	1.12E-09	0.00E+00	1.82E-09	3.07E-10	4.49E-10	0.00E+00	7.56E-10
5850	441299.3	3769322	3.69E-09	4.50E-09	0.00E+00	8.20E-09	4.16E-09	6.55E-09	0.00E+00	1.07E-08	6.98E-10	1.12E-09	0.00E+00	1.81E-09	3.06E-10	4.47E-10	0.00E+00	7.53E-10
5851	441290	3769321	3.67E-09	4.48E-09	0.00E+00	8.15E-09	4.14E-09	6.51E-09	0.00E+00	1.07E-08	6.95E-10	1.11E-09	0.00E+00	1.80E-09	3.04E-10	4.45E-10	0.00E+00	7.49E-10
5852	441280.6	3769320	3.65E-09	4.46E-09	0.00E+00	8.11E-09	4.12E-09	6.48E-09	0.00E+00	1.06E-08	6.91E-10	1.10E-09	0.00E+00	1.80E-09	3.02E-10	4.42E-10	0.00E+00	7.45E-10
5853	441271.2	3769319	3.64E-09	4.43E-09	0.00E+00	8.07E-09	4.10E-09	6.44E-09	0.00E+00	1.05E-08	6.88E-10	1.10E-09	0.00E+00	1.79E-09	3.01E-10	4.40E-10	0.00E+00	7.41E-10
5854	441261.9	3769318	3.62E-09	4.41E-09	0.00E+00	8.03E-09	4.08E-09	6.41E-09	0.00E+00	1.05E-08	6.84E-10	1.09E-09	0.00E+00	1.78E-09	2.99E-10	4.38E-10	0.00E+00	7.37E-10
5855	441252.5	3769317	3.60E-09	4.39E-09	0.00E+00	7.99E-09	4.06E-09	6.38E-09	0.00E+00	1.04E-08	6.81E-10	1.09E-09	0.00E+00	1.77E-09	2.98E-10	4.36E-10	0.00E+00	7.34E-10
5856	441243.2	3769317	3.58E-09	4.37E-09	0.00E+00	7.95E-09	4.04E-09	6.35E-09	0.00E+00	1.04E-08	6.78E-10	1.08E-09	0.00E+00	1.76E-09	2.96E-10	4.34E-10	0.00E+00	7.30E-10
5857	441177.6	3769311	3.55E-09	4.33E-09	0.00E+00	7.87E-09	4.00E-09	6.29E-09	0.00E+00	1.03E-08	6.71E-10	1.07E-09	0.00E+00	1.74E-09	2.93E-10	4.29E-10	0.00E+00	7.23E-10
5858	441168.3	3769310	3.55E-09	4.32E-09	0.00E+00	7.87E-09	4.00E-09	6.28E-09	0.00E+00	1.03E-08	6.70E-10	1.07E-09	0.00E+00	1.74E-09	2.93E-10	4.29E-10	0.00E+00	7.22E-10
5859	441158.9	3769309	3.54E-09	4.32E-09	0.00E+00	7.86E-09	3.99E-09	6.27E-09	0.00E+00	1.03E-08	6.69E-10	1.07E-09	0.00E+00	1.74E-09	2.93E-10	4.29E-10	0.00E+00	7.21E-10
5860	441149.5	3769308	3.53E-09	4.31E-09	0.00E+00	7.84E-09	3.98E-09	6.26E-09	0.00E+00	1.02E-08	6.68E-10	1.07E-09	0.00E+00	1.74E-09	2.92E-10	4.28E-10	0.00E+00	7.20E-10
5861	441140.2	3769307	3.52E-09	4.29E-09	0.00E+00	7.80E-09	3.96E-09	6.23E-09	0.00E+00	1.02E-08	6.65E-10	1.06E-09	0.00E+00	1.73E-09	2.91E-10	4.26E-10	0.00E+00	7.16E-10
5862	441130.8	3769306	3.50E-09	4.27E-09	0.00E+00	7.77E-09	3.94E-09	6.20E-09	0.00E+00	1.01E-08	6.62E-10	1.06E-09	0.00E+00	1.72E-09	2.89E-10	4.24E-10	0.00E+00	7.13E-10
5863	441121.5	3769305	3.48E-09	4.24E-09	0.00E+00	7.73E-09	3.92E-09	6.17E-09	0.00E+00	1.01E-08	6.58E-10	1.05E-09	0.00E+00	1.71E-09	2.88E-10	4.21E-10	0.00E+00	7.09E-10
5864	440958	3769283	3.14E-09	3.83E-09	0.00E+00	6.98E-09	3.54E-09	5.57E-09	0.00E+00	9.11E-09	5.94E-10	9.50E-10	0.00E+00	1.54E-09	2.60E-10	3.80E-10	0.00E+00	6.40E-10
5865	440953.6	3769274	3.19E-09	3.89E-09	0.00E+00	7.07E-09	3.59E-09	5.65E-09	0.00E+00	9.24E-09	6.03E-10	9.63E-10	0.00E+00	1.57E-09	2.64E-10	3.86E-10	0.00E+00	6.49E-10
5866	440896.9	3769166	3.81E-09	4.65E-09	0.00E+00	8.46E-09	4.30E-09	6.76E-09	0.00E+00	1.11E-08	7.21E-10	1.15E-09	0.00E+00	1.87E-09	3.15E-10	4.61E-10	0.00E+00	7.77E-10
5867	440892.5	3769158	3.86E-09	4.71E-09	0.00E+00	8.58E-09	4.36E-09	6.85E-09	0.00E+00	1.12E-08	7.31E-10	1.17E-09	0.00E+00	1.90E-09	3.20E-10	4.68E-10	0.00E+00	7.87E-10
5868	440888.1	3769149	3.92E-09	4.78E-09	0.00E+00	8.69E-09	4.42E-09	6.94E-09	0.00E+00	1.14E-08	7.41E-10	1.18E-09	0.00E+00	1.92E-09	3.24E-10	4.74E-10	0.00E+00	7.98E-10
5869	440883.8	3769141	3.97E-09	4.84E-09	0.00E+00	8.81E-09	4.48E-09	7.04E-09	0.00E+00	1.15E-08	7.51E-10	1.20E-09	0.00E+00	1.95E-09	3.28E-10	4.81E-10	0.00E+00	8.09E-10
5870	440879.4	3769133	4.03E-09	4.91E-09	0.00E+00	8.94E-09	4.54E-09	7.14E-09	0.00E+00	1.17E-08	7.61E-10	1.22E-09	0.00E+00	1.98E-09	3.33E-10	4.87E-10	0.00E+00	8.21E-10
5871	440875.1	3769124	4.09E-09	4.98E-09	0.00E+00	9.07E-09	4.61E-09	7.24E-09	0.00E+00	1.18E-08	7.72E-10	1.23E-09	0.00E+00	2.01E-09	3.38E-10	4.95E-10	0.00E+00	8.32E-10
5872	440870.7	3769116	4.20E-09	5.12E-09	0.00E+00	9.31E-09	4.73E-09	7.44E-09	0.00E+00	1.22E-08	7.93E-10	1.27E-09	0.00E+00	2.06E-09	3.47E-10	5.08E-10	0.00E+00	8.55E-10
5873	440866.3	3769108	4.26E-09	5.19E-09	0.00E+00	9.45E-09	4.80E-09	7.54E-09	0.00E+00	1.23E-08	8.05E-10	1.29E-09	0.00E+00	2.09E-09	3.52E-10	5.15E-10	0.00E+00	8.67E-10
5874	440862	3769099	4.32E-09	5.26E-09	0.00E+00	9.58E-09	4.87E-09	7.65E-09	0.00E+00	1.25E-08	8.16E-10	1.30E-09	0.00E+00	2.12E-09	3.57E-10	5.22E-10	0.00E+00	8.79E-10
5875	440857.6	3769091	4.38E-09	5.34E-09	0.00E+00	9.71E-09	4.93E-09	7.76E-09	0.00E+00	1.27E-08	8.28E-10	1.32E-09	0.00E+00	2.15E-09	3.62E-10	5.30E-10	0.00E+00	8.92E-10
5876	440853.2	3769083	4.44E-09	5.41E-09	0.00E+00	9.85E-09	5.01E-09	7.87E-09	0.00E+00	1.29E-08	8.39E-10	1.34E-09	0.00E+00	2.18E-09	3.67E-10	5.37E-10	0.00E+00	9.05E-10
5877	440848.9	3769074	4.50E-09	5.49E-09	0.00E+00	9.99E-09	5.08E-09	7.98E-09	0.00E+00	1.31E-08	8.51E-10	1.36E-09	0.00E+00	2.21E-09	3.72E-10	5.45E-10	0.00E+00	9.17E-10
5878	440844.5	3769066	4.57E-09	5.57E-09	0.00E+00	1.01E-08	5.15E-09	8.09E-09	0.00E+00	1.32E-08	8.63E-10	1.38E-09	0.00E+00	2.24E-09	3.78E-10	5.53E-10	0.00E+00	9.30E-10
5879	440840.1	3769058	4.63E-09	5.64E-09	0.00E+00	1.03E-08	5.22E-09	8.20E-09	0.00E+00	1.34E-08	8.75E-10	1.40E-09	0.00E+00	2.27E-09	3.83E-10	5.60E-10	0.00E+00	9.43E-10
5880	440835.8	3769050	4.69E-09	5.72E-09	0.00E+00	1.04E-08	5.29E-09	8.32E-09	0.00E+00	1.36E-08	8.88E-10	1.42E-09	0.00E+00	2.31E-09	3.88E-10	5.68E-10	0.00E+00	9.56E-10
5881	440831.4	3769041	4.76E-09	5.80E-09	0.00E+00	1.06E-08	5.37E-09	8.43E-09	0.00E+00	1.38E-08	9.00E-10	1.44E-09	0.00E+00	2.34E-09	3.94E-10	5.76E-10	0.00E+00	9.70E-10
5882	440827	3769033	4.82E-09	5.88E-09	0.00E+00	1.07E-08	5.44E-09	8.55E-09	0.00E+00	1.40E-08	9.12E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.84E-10	0.00E+00	9.83E-10
5883	440800.9	3768983	5.22E-09	6.36E-09	0.00E+00	1.16E-08	5.89E-09	9.25E-09	0.00E+00	1.51E-08	9.87E-10	1.58E-09	0.00E+00	2.56E-09	4.32E-10	6.32E-10	0.00E+00	1.06E-09
5884	440792.1	3768966	5.36E-09	6.53E-09	0.00E+00	1.19E-08	6.04E-09	9.50E-09	0.00E+00	1.55E-08	1.01E-09	1.62E-09	0.00E+00	2.63E-09	4.43E-10	6.49E-10	0.00E+00	1.09E-09
5885	440717.9	3768825	6.42E-09	7.82E-09	0.00E+00	1.42E-08	7.23E-09	1.14E-08	0.00E+00	1.86E-08	1.21E-09	1.94E-09	0.00E+00	3.15E-09	5.31E-10	7.77E-10	0.00E+00	1.31E-09
5886	440709.2	3768808	6.51E-09	7.94E-09	0.00E+00	1.45E-08	7.34E-09	1.15E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.38E-10	7.88E-10	0.00E+00	1.33E-09
5887	441514.6	3769341	4.21E-09	5.13E-09	0.00E+00	9.33E-09	4.74E-09	7.45E-09	0.00E+00	1.22E-08	7.95E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.09E-10	0.00E+00	8.57E-10
5888	441523.3	3769338	4.29E-09	5.23E-09	0.00E+00	9.52E-09	4.83E-09	7.60E-09	0.00E+00	1.24E-08	8.11E-10	1.30E-09	0.00E+00	2.11E-09	3.55E-10	5.19E-10	0.00E+00	8.74E-10
5889	441532	3769334	4.37E-09	5.33E-09	0.00E+00	9.70E-09	4.93E-09	7.75E-09	0.00E+00	1.27E-08	8.27E-10	1.32E-09	0.00E+00	2.15E-09	3.62E-10	5.29E-10	0.00E+00	8.91E-10
5890	441540.6	3769330	4.46E-09	5.43E-09	0.00E+00	9.89E-09	5.02E-09	7.90E-09	0.00E+00	1.29E-08	8.43E-10	1.35E-09	0.00E+00	2.19E-09	3.69E-10	5.40E-10	0.00E+00	9.08E-10
5891	441549.3	3769326	4.56E-09	5.55E-09	0.00E+00	1.01E-08	5.13E-09	8.07E-09	0.00E+00	1.32E-08	8.61E-10	1.38E-09	0.00E+00	2.24E-09	3.77E-10	5.51E-10	0.00E+00	9.28E-10
5892	441324.3	3769359	3.40E-09	4.15E-09	0.00E+00	7.55E-09	3.83E-09	6.03E-09	0.00E+00	9.86E-09	6.43E-10	1.03E-09	0.00E+00	1.67E-09	2.81E-10	4.12E-10	0.00E+00	6.93E-10
5893	441314.9	3769358	3.38E-09	4.12E-09	0.00E+00	7.51E-09	3.81E-09	6.00E-09	0.00E+00	9.81E-09	6.40E-10	1.02E-09	0.00E+00	1.66E-09	2.80E-10	4.09E-10	0.00E+00	6.89E-10
5894	441305.6	3769358	3.37E-09	4.10E-09	0.00E+00	7.47E-09	3.79E-09	5.97E-09	0.00E+00	9.76E-09	6.36E-10	1.02E-09	0.00E+00	1.65E-09	2.78E-10	4.07E-10	0.00E+00	6.86E-10
5895	441296.2	3769357	3.35E-09	4.08E-09	0.00E+00	7.43E-09	3.77E-09	5.93E-09	0.00E+00	9.71E-09	6.33E-10	1.01E-09	0.00E+00	1.64E-09	2.77E-10	4.05E-10	0.00E+00	6.82E-10
5896	441286.8	3769356	3.33E-09	4.06E-09	0.00E+00	7.39E-09	3.75E-09	5.90E-09	0.00E+00	9.65E-09	6.29E-10	1.01E-09	0.00E+00	1.64E-09	2.75E-10	4.03E-10	0.00E+00	6.78E-10
5897	441277.4	3769355	3.31E-09	4.04E-09	0.00E+00	7.35E-09	3.73E-09	5.87E-09	0.00E+00	9.60E-09	6.26E-10	1.00E-09	0.00E+00	1.63E-09	2.74E-10	4.01E-10	0.00E+00	6.75E-10
5898	441268.1	3769354	3.29E-09	4.01E-09	0.00E+00	7.31E-09	3.71E-09	5.84E-09	0.00E+00	9.55E-09	6.23E-10	9.95E-10	0.00E+00	1.62E-09	2.72E-10	3.99E-10	0.00E+00	6.71E-10
5899	441258.7	3769353	3.27E-09	3.99E-09	0.00E+00	7.27E-09	3.69E-09	5.80E-09	0.00E+00	9.49E-09	6.19E-10	9.89E-10	0.00E+00	1.61E-09	2.71E-10	3.96E-10	0.00E+00	6.67E-10
5900	441249.3	3769352	3.26E-09	3.97E-09	0.00E+00	7.23E-09	3.67E-09	5.77E-09	0.00E+00	9.44E-09	6.16E-10	9.84E-10	0.00E+00	1.60E-09	2.69E-10	3.94E-10	0.00E+00	6.63E-10
5901	441240	3769352	3.24E-09	3.95E-09	0.00E+00	7.19E-09	3.65E-09	5.74E-09	0.00E+00	9.39E-09	6.12E-10	9.78E-10	0.00E+00	1.59E-09	2.68E-10	3.92E-10	0.00E+00	6.60E-10
5902	441230.6	3769351	3.24E-09	3.95E-09	0.00E+00	7.18E-09	3.65E-09	5.74E-09	0.00E+00	9.39E-09	6.12E-10	9.78E-10	0.00E+00	1.59E-09	2.68E-10	3.92E-10	0.00E+00	6.59E-10
5903	441165	3769345	3.21E-09	3.91E-09	0.00E+00	7.11E-09	3.61E-09	5.68E-09	0.00E+00	9.30E-09	6.06E-10	9.69E-10	0.00E+00	1.57E-09	2.65E-10	3.88E-10	0.00E+00	6.53E-10
5904	441155.6	3769344	3.19E-09	3.89E-09	0.00E+00	7.09E-09	3.60E-09	5.66E-09	0.00E+00	9.26E-09	6.04E-10	9.65E-10	0.00E+00	1.57E-09	2.64E-10	3.87E-10	0.00E+00	6.51E-10
5905	441146.3	3769343	3.19E-09	3.89E-09	0.00E+00	7.07E-09	3.59E-09	5.65E-09	0.00E+00	9.24E-09	6.03E-10	9.63E-10	0.00E+00	1.57E-09	2.64E-10	3.86E-10	0.00E+00	6.49E-10
5906	441136.9	3769342	3.19E-09	3.88E-09	0.00E+00	7.07E-09	3.59E-09	5.64E-09	0.00E+00	9.24E-09	6.02E-10	9.62E-10	0.00E+00	1.56E-09	2.63E-10	3.85E-10	0.00E+00	6.49E-10
5907	441127.5	3769341	3.18E-09	3.88E-09	0.00E+00	7.06E-09	3.59E-09	5.64E-09	0.00E+00	9.22E-09	6.01E-10	9.61E-10	0.00E+00	1.56E-09	2.63E-10	3.85E-10	0.00E+00	6.48E-10
5908	441118.1	3769340	3.17E-09	3.87E-09	0.00E+00	7.04E-09	3.58E-09	5.63E-09	0.00E+00	9.20E-09	6.00E-10	9.59E-10	0.00E+00	1.56E-09	2.62E-10	3.84E-10	0.00E+00	6.47E-10
5909	441108.8	3769340	3.17E-09	3.86E-09	0.00E+00	7.02E-09	3.57E-09	5.61E-09	0.00E+00	9.18E-09	5.98E-10	9.56E-10	0.00E+00	1.55E-09	2.62E-10	3.83E-10	0.00E+00	6.45E-10
5910	441043.2	3769334	3.07E-09	3.75E-09	0.00E+00	6.82E-09	3.46E-09	5.44E-09	0.00E+00	8.91E-09	5.81E-10	9.28E-10	0.00E+00	1.51E-09	2.54E-10	3.72E-10	0.00E+00	6.26E-10
5911	441033.8	3769333	3.05E-09	3.72E-09	0.00E+00	6.77E-09	3.44E-09	5.41E-09	0.00E+00	8.85E-09	5.77E-10	9.22E-10	0.00E+00	1.50E-09	2.52E-10	3.69E-10	0.00E+00	6.22E-10
5912	441024.4	3769332	3.03E-09	3.70E-09	0.00E+00	6.73E-09	3.42E-09	5.37E-09	0.00E+00	8.79E-09	5.73E-10	9.16E-10	0.00E+00	1.49E-09	2.51E-10	3.67E-10	0.00E+00	6.18E-10
5913	441015.1	3769331	3.01E-09	3.67E-09	0.00E+00	6.68E-09	3.39E-09	5.34E-09	0.00E+00	8.73E-09	5.69E-10	9.10E-10	0.00E+00	1.48E-09	2.49E-10	3.64E-10	0.00E+00	6.13E-10
5914	441005.7	3769330	2.99E-09	3.64E-09	0.00E+00	6.63E-09	3.37E-09	5.30E-09	0.00E+00	8.67E-09	5.65E-10	9.03E-10	0.00E+00	1.47E-09	2.47E-10	3.62E-10	0.00E+00	6.09E-10
5915	440996.3	3769329	2.97E-09	3.62E-09	0.00E+00	6.59E-09	3.35E-09	5.26E-09	0.00E+00	8.61E-09	5.61E-10	8.97E-10	0.00E+00	1.46E-09	2.45E-10	3.59E-10	0.00E+00	6.05E-10
5916	440987	3769328	2.95E-09	3.59E-09	0.00E+00	6.54E-09	3.32E-09	5.22E-09	0.00E+00	8.54E-09	5.57E-10	8.90E-10	0.00E+00	1.45E-09	2.44E-10	3.57E-10	0.00E+00	6.00E-10
5917	440977.6	3769328	2.93E-09	3.57E-09	0.00E+00	6.49E-09	3.30E-09	5.18E-09	0.00E+00	8.48E-09	5.53E-10	8.84E-10	0.00E+00	1.44E-09	2.42E-10	3.54E-10	0.00E+00	5.96E-10
5918	440931.4	3769307	2.91E-09	3.55E-09	0.00E+00	6.47E-09	3.29E-09	5.16E-09	0.00E+00	8.45E-09	5.51E-10	8.80E-10	0.00E+00	1.43E-09	2.41E-10	3.53E-10	0.00E+00	5.94E-10
5919	440927	3769299	2.95E-09	3.60E-09	0.00E+00	6.55E-09	3.33E-09	5.23E-09	0.00E+00	8.56E-09	5.58E-10	8.92E-10	0.00E+00	1.45E-09	2.44E-10	3.57E-10	0.00E+00	6.01E-10
5920	440922.6	3769291	2.99E-09	3.64E-09	0.00E+00	6.63E-09	3.37E-09	5.30E-09	0.00E+00	8.67E-09	5.65E-10	9.03E-10	0.00E+00	1.47E-09	2.47E-10	3.62E-10	0.00E+00	6.09E-10
5921	440918.3	3769282	3.03E-09	3.69E-09	0.00E+00	6.72E-09	3.41E-09	5.36E-09	0.00E+00	8.77E-09	5.72E-10	9.14E-10	0.00E+00	1.49E-09	2.50E-10	3.66E-10	0.00E+00	6.17E-10
5922	440857.1	3769166	3.59E-09	4.38E-09	0.00E+00	7.97E-09	4.05E-09	6.36E-09	0.00E+00	1.04E-08	6.79E-10	1.08E-09	0.00E+00	1.76E-09	2.97E-10	4.35E-10	0.00E+00	7.31E-10
5923	440852.7	3769157	3.64E-09	4.43E-09	0.00E+00	8.07E-09	4.10E-09	6.45E-09	0.00E+00	1.05E-08	6.88E-10	1.10E-09	0.00E+00	1.79E-09	3.01E-10	4.40E-10	0.00E+00	7.41E-10
5924	440848.4	3769149	3.69E-09	4.49E-09	0.00E+00	8.18E-09	4.16E-09	6.53E-09	0.00E+00	1.07E-08	6.97E-10	1.11E-09	0.00E+00	1.81E-09	3.05E-10	4.46E-10	0.00E+00	7.51E-10
5925	440844	3769141	3.74E-09	4.56E-09	0.00E+00	8.30E-09	4.21E-09	6.62E-09	0.00E+00	1.08E-08	7.07E-10	1.13E-09	0.00E+00	1.84E-09	3.09E-10	4.52E-10	0.00E+00	7.62E-10
5926	440839.6	3769132	3.80E-09	4.63E-09	0.00E+00	8.43E-09	4.28E-09	6.73E-09	0.00E+00	1.10E-08	7.18E-10	1.15E-09	0.00E+00	1.87E-09	3.14E-10	4.60E-10	0.00E+00	7.74E-10
5927	440835.2	3769124	3.86E-09	4.71E-09	0.00E+00	8.57E-09	4.35E-09	6.84E-09	0.00E+00	1.12E-08	7.30E-10	1.17E-09	0.00E+00	1.90E-09	3.19E-10	4.67E-10	0.00E+00	7.86E-10
5928	440830.9	3769116	3.97E-09	4.84E-09	0.00E+00	8.80E-09	4.47E-09	7.03E-09	0.00E+00	1.15E-08	7.50E-10	1.20E-09	0.00E+00	1.95E-09	3.28E-10	4.80E-10	0.00E+00	8.08E-10
5929	440795.9	3769049	4.42E-09	5.38E-09	0.00E+00	9.80E-09	4.98E-09	7.82E-09	0.00E+00	1.28E-08	8.35E-10	1.33E-09	0.00E+00	2.17E-09	3.65E-10	5.34E-10	0.00E+00	9.00E-10
5930	440765.3	3768991	4.81E-09	5.87E-09	0.00E+00	1.07E-08	5.43E-09	8.53E-09	0.00E+00	1.40E-08	9.10E-10	1.45E-09	0.00E+00	2.36E-09	3.98E-10	5.83E-10	0.00E+00	9.80E-10
5931	440756.6	3768974	4.93E-09	6.01E-09	0.00E+00	1.09E-08	5.56E-09	8.74E-09	0.00E+00	1.43E-08	9.32E-10	1.49E-09	0.00E+00	2.42E-09	4.08E-10	5.97E-10	0.00E+00	1.00E-09
5932	440682.3	3768832	5.84E-09	7.12E-09	0.00E+00	1.30E-08	6.58E-09	1.03E-08	0.00E+00	1.69E-08	1.10E-09	1.76E-09	0.00E+00	2.87E-09	4.83E-10	7.07E-10	0.00E+00	1.19E-09
5933	440673.6	3768816	5.92E-09	7.22E-09	0.00E+00	1.31E-08	6.68E-09	1.05E-08	0.00E+00	1.72E-08	1.12E-09	1.79E-09	0.00E+00	2.91E-09	4.90E-10	7.17E-10	0.00E+00	1.21E-09

5934	440669.2	3768807	5.96E-09	7.27E-09	0.00E+00	1.32E-08	6.72E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.93E-09	4.93E-10	7.22E-10	0.00E+00	1.22E-09
5935	441536.9	3769414	3.55E-09	4.33E-09	0.00E+00	7.89E-09	4.01E-09	6.30E-09	0.00E+00	1.03E-08	6.72E-10	1.07E-09	0.00E+00	1.75E-09	2.94E-10	4.30E-10	0.00E+00	7.24E-10
5936	441527.5	3769413	3.53E-09	4.30E-09	0.00E+00	7.83E-09	3.98E-09	6.25E-09	0.00E+00	1.02E-08	6.67E-10	1.07E-09	0.00E+00	1.73E-09	2.92E-10	4.27E-10	0.00E+00	7.19E-10
5937	441518.2	3769412	3.50E-09	4.27E-09	0.00E+00	7.77E-09	3.95E-09	6.20E-09	0.00E+00	1.01E-08	6.62E-10	1.06E-09	0.00E+00	1.72E-09	2.89E-10	4.24E-10	0.00E+00	7.13E-10
5938	441508.8	3769411	3.47E-09	4.23E-09	0.00E+00	7.71E-09	3.92E-09	6.16E-09	0.00E+00	1.01E-08	6.57E-10	1.05E-09	0.00E+00	1.71E-09	2.87E-10	4.20E-10	0.00E+00	7.08E-10
5939	441499.4	3769410	3.46E-09	4.22E-09	0.00E+00	7.67E-09	3.90E-09	6.13E-09	0.00E+00	1.00E-08	6.54E-10	1.04E-09	0.00E+00	1.70E-09	2.86E-10	4.18E-10	0.00E+00	7.04E-10
5940	441433.7	3769404	3.28E-09	4.00E-09	0.00E+00	7.28E-09	3.70E-09	5.82E-09	0.00E+00	9.52E-09	6.20E-10	9.92E-10	0.00E+00	1.61E-09	2.71E-10	3.97E-10	0.00E+00	6.69E-10
5941	441424.4	3769404	3.25E-09	3.96E-09	0.00E+00	7.21E-09	3.66E-09	5.76E-09	0.00E+00	9.43E-09	6.15E-10	9.82E-10	0.00E+00	1.60E-09	2.69E-10	3.93E-10	0.00E+00	6.62E-10
5942	441415	3769403	3.23E-09	3.93E-09	0.00E+00	7.16E-09	3.64E-09	5.72E-09	0.00E+00	9.35E-09	6.10E-10	9.75E-10	0.00E+00	1.58E-09	2.67E-10	3.90E-10	0.00E+00	6.57E-10
5943	441405.6	3769402	3.21E-09	3.91E-09	0.00E+00	7.12E-09	3.62E-09	5.68E-09	0.00E+00	9.30E-09	6.06E-10	9.69E-10	0.00E+00	1.58E-09	2.65E-10	3.88E-10	0.00E+00	6.53E-10
5944	441396.2	3769401	3.19E-09	3.89E-09	0.00E+00	7.08E-09	3.59E-09	5.65E-09	0.00E+00	9.25E-09	6.03E-10	9.63E-10	0.00E+00	1.57E-09	2.64E-10	3.86E-10	0.00E+00	6.50E-10
5945	441386.8	3769400	3.17E-09	3.87E-09	0.00E+00	7.04E-09	3.58E-09	5.62E-09	0.00E+00	9.20E-09	6.00E-10	9.59E-10	0.00E+00	1.56E-09	2.62E-10	3.84E-10	0.00E+00	6.46E-10
5946	441377.5	3769399	3.16E-09	3.86E-09	0.00E+00	7.02E-09	3.57E-09	5.61E-09	0.00E+00	9.17E-09	5.98E-10	9.56E-10	0.00E+00	1.55E-09	2.62E-10	3.83E-10	0.00E+00	6.45E-10
5947	441368.1	3769399	3.16E-09	3.85E-09	0.00E+00	7.00E-09	3.56E-09	5.59E-09	0.00E+00	9.15E-09	5.97E-10	9.54E-10	0.00E+00	1.55E-09	2.61E-10	3.82E-10	0.00E+00	6.43E-10
5948	441358.7	3769398	3.15E-09	3.84E-09	0.00E+00	6.99E-09	3.55E-09	5.58E-09	0.00E+00	9.13E-09	5.95E-10	9.51E-10	0.00E+00	1.55E-09	2.60E-10	3.81E-10	0.00E+00	6.41E-10
5949	441349.3	3769397	3.14E-09	3.83E-09	0.00E+00	6.97E-09	3.54E-09	5.57E-09	0.00E+00	9.11E-09	5.94E-10	9.49E-10	0.00E+00	1.54E-09	2.60E-10	3.80E-10	0.00E+00	6.40E-10
5950	441339.9	3769396	3.13E-09	3.82E-09	0.00E+00	6.95E-09	3.53E-09	5.55E-09	0.00E+00	9.08E-09	5.92E-10	9.47E-10	0.00E+00	1.54E-09	2.59E-10	3.79E-10	0.00E+00	6.38E-10
5951	441330.6	3769395	3.13E-09	3.81E-09	0.00E+00	6.94E-09	3.52E-09	5.54E-09	0.00E+00	9.06E-09	5.91E-10	9.44E-10	0.00E+00	1.54E-09	2.58E-10	3.78E-10	0.00E+00	6.37E-10
5952	441321.2	3769394	3.12E-09	3.80E-09	0.00E+00	6.92E-09	3.51E-09	5.53E-09	0.00E+00	9.04E-09	5.89E-10	9.42E-10	0.00E+00	1.53E-09	2.58E-10	3.77E-10	0.00E+00	6.35E-10
5953	441311.8	3769393	3.11E-09	3.79E-09	0.00E+00	6.90E-09	3.51E-09	5.51E-09	0.00E+00	9.02E-09	5.88E-10	9.40E-10	0.00E+00	1.53E-09	2.57E-10	3.76E-10	0.00E+00	6.34E-10
5954	441302.4	3769393	3.10E-09	3.78E-09	0.00E+00	6.88E-09	3.50E-09	5.50E-09	0.00E+00	8.99E-09	5.86E-10	9.37E-10	0.00E+00	1.52E-09	2.57E-10	3.75E-10	0.00E+00	6.32E-10
5955	441293.1	3769392	3.09E-09	3.77E-09	0.00E+00	6.85E-09	3.48E-09	5.47E-09	0.00E+00	8.96E-09	5.84E-10	9.33E-10	0.00E+00	1.52E-09	2.55E-10	3.74E-10	0.00E+00	6.29E-10
5956	441283.7	3769391	3.07E-09	3.75E-09	0.00E+00	6.82E-09	3.46E-09	5.45E-09	0.00E+00	8.91E-09	5.81E-10	9.29E-10	0.00E+00	1.51E-09	2.54E-10	3.72E-10	0.00E+00	6.26E-10
5957	441274.3	3769390	3.06E-09	3.73E-09	0.00E+00	6.79E-09	3.45E-09	5.42E-09	0.00E+00	8.87E-09	5.78E-10	9.24E-10	0.00E+00	1.50E-09	2.53E-10	3.70E-10	0.00E+00	6.23E-10
5958	441264.9	3769389	3.04E-09	3.71E-09	0.00E+00	6.75E-09	3.43E-09	5.39E-09	0.00E+00	8.82E-09	5.75E-10	9.19E-10	0.00E+00	1.49E-09	2.51E-10	3.68E-10	0.00E+00	6.19E-10
5959	441255.5	3769388	3.02E-09	3.68E-09	0.00E+00	6.70E-09	3.40E-09	5.35E-09	0.00E+00	8.75E-09	5.71E-10	9.12E-10	0.00E+00	1.48E-09	2.50E-10	3.65E-10	0.00E+00	6.15E-10
5960	441246.2	3769387	3.00E-09	3.65E-09	0.00E+00	6.65E-09	3.38E-09	5.31E-09	0.00E+00	8.69E-09	5.67E-10	9.06E-10	0.00E+00	1.47E-09	2.48E-10	3.63E-10	0.00E+00	6.11E-10
5961	441236.8	3769387	2.98E-09	3.63E-09	0.00E+00	6.62E-09	3.36E-09	5.28E-09	0.00E+00	8.64E-09	5.64E-10	9.01E-10	0.00E+00	1.46E-09	2.47E-10	3.61E-10	0.00E+00	6.07E-10
5962	441227.4	3769386	2.98E-09	3.63E-09	0.00E+00	6.61E-09	3.36E-09	5.28E-09	0.00E+00	8.64E-09	5.63E-10	9.00E-10	0.00E+00	1.46E-09	2.46E-10	3.61E-10	0.00E+00	6.07E-10
5963	440904.7	3769332	2.70E-09	3.30E-09	0.00E+00	6.00E-09	3.05E-09	4.79E-09	0.00E+00	7.84E-09	5.11E-10	8.17E-10	0.00E+00	1.33E-09	2.24E-10	3.27E-10	0.00E+00	5.51E-10
5964	440900.4	3769324	2.74E-09	3.34E-09	0.00E+00	6.08E-09	3.09E-09	4.85E-09	0.00E+00	7.94E-09	5.18E-10	8.27E-10	0.00E+00	1.34E-09	2.26E-10	3.31E-10	0.00E+00	5.58E-10
5965	440896	3769316	2.77E-09	3.38E-09	0.00E+00	6.15E-09	3.12E-09	4.91E-09	0.00E+00	8.04E-09	5.24E-10	8.37E-10	0.00E+00	1.36E-09	2.29E-10	3.35E-10	0.00E+00	5.65E-10
5966	440878.5	3769282	2.91E-09	3.55E-09	0.00E+00	6.46E-09	3.28E-09	5.16E-09	0.00E+00	8.44E-09	5.50E-10	8.79E-10	0.00E+00	1.43E-09	2.41E-10	3.52E-10	0.00E+00	5.93E-10
5967	440874.1	3769274	2.94E-09	3.59E-09	0.00E+00	6.53E-09	3.32E-09	5.21E-09	0.00E+00	8.53E-09	5.56E-10	8.89E-10	0.00E+00	1.44E-09	2.43E-10	3.56E-10	0.00E+00	5.99E-10
5968	440799.8	3769132	3.66E-09	4.46E-09	0.00E+00	8.12E-09	4.13E-09	6.49E-09	0.00E+00	1.06E-08	6.92E-10	1.11E-09	0.00E+00	1.80E-09	3.03E-10	4.43E-10	0.00E+00	7.46E-10
5969	440795.4	3769124	3.71E-09	4.52E-09	0.00E+00	8.23E-09	4.18E-09	6.57E-09	0.00E+00	1.08E-08	7.01E-10	1.12E-09	0.00E+00	1.82E-09	3.07E-10	4.49E-10	0.00E+00	7.56E-10
5970	440791	3769116	3.76E-09	4.58E-09	0.00E+00	8.34E-09	4.24E-09	6.66E-09	0.00E+00	1.09E-08	7.11E-10	1.14E-09	0.00E+00	1.85E-09	3.11E-10	4.55E-10	0.00E+00	7.66E-10
5971	440786.7	3769107	3.81E-09	4.64E-09	0.00E+00	8.45E-09	4.29E-09	6.75E-09	0.00E+00	1.10E-08	7.20E-10	1.15E-09	0.00E+00	1.87E-09	3.15E-10	4.61E-10	0.00E+00	7.76E-10
5972	440782.3	3769099	3.86E-09	4.70E-09	0.00E+00	8.56E-09	4.35E-09	6.83E-09	0.00E+00	1.12E-08	7.29E-10	1.16E-09	0.00E+00	1.89E-09	3.19E-10	4.67E-10	0.00E+00	7.85E-10
5973	440777.9	3769090	3.90E-09	4.76E-09	0.00E+00	8.66E-09	4.40E-09	6.92E-09	0.00E+00	1.13E-08	7.38E-10	1.18E-09	0.00E+00	1.92E-09	3.23E-10	4.72E-10	0.00E+00	7.95E-10
5974	440773.5	3769082	3.95E-09	4.82E-09	0.00E+00	8.77E-09	4.45E-09	7.00E-09	0.00E+00	1.15E-08	7.47E-10	1.19E-09	0.00E+00	1.94E-09	3.27E-10	4.78E-10	0.00E+00	8.05E-10
5975	440769.2	3769074	4.00E-09	4.88E-09	0.00E+00	8.88E-09	4.51E-09	7.09E-09	0.00E+00	1.16E-08	7.56E-10	1.21E-09	0.00E+00	1.97E-09	3.31E-10	4.84E-10	0.00E+00	8.15E-10
5976	440764.8	3769065	4.05E-09	4.94E-09	0.00E+00	8.99E-09	4.57E-09	7.18E-09	0.00E+00	1.17E-08	7.66E-10	1.22E-09	0.00E+00	1.99E-09	3.35E-10	4.90E-10	0.00E+00	8.25E-10
5977	440760.4	3769057	4.10E-09	5.00E-09	0.00E+00	9.10E-09	4.62E-09	7.27E-09	0.00E+00	1.19E-08	7.75E-10	1.24E-09	0.00E+00	2.01E-09	3.39E-10	4.96E-10	0.00E+00	8.35E-10
5978	440756.1	3769049	4.15E-09	5.06E-09	0.00E+00	9.21E-09	4.68E-09	7.36E-09	0.00E+00	1.20E-08	7.85E-10	1.25E-09	0.00E+00	2.04E-09	3.43E-10	5.02E-10	0.00E+00	8.46E-10
5979	440729.8	3768999	4.45E-09	5.42E-09	0.00E+00	9.87E-09	5.02E-09	7.89E-09	0.00E+00	1.29E-08	8.41E-10	1.34E-09	0.00E+00	2.19E-09	3.68E-10	5.39E-10	0.00E+00	9.06E-10
5980	440725.4	3768990	4.50E-09	5.49E-09	0.00E+00	9.99E-09	5.07E-09	7.98E-09	0.00E+00	1.30E-08	8.51E-10	1.36E-09	0.00E+00	2.21E-09	3.72E-10	5.45E-10	0.00E+00	9.17E-10
5981	440716.7	3768974	4.60E-09	5.61E-09	0.00E+00	1.02E-08	5.19E-09	8.15E-09	0.00E+00	1.33E-08	8.70E-10	1.39E-09	0.00E+00	2.26E-09	3.81E-10	5.57E-10	0.00E+00	9.37E-10
5982	440642.3	3768832	5.37E-09	6.55E-09	0.00E+00	1.19E-08	6.05E-09	9.52E-09	0.00E+00	1.56E-08	1.02E-09	1.62E-09	0.00E+00	2.64E-09	4.44E-10	6.50E-10	0.00E+00	1.09E-09
5983	440629.2	3768807	5.48E-09	6.68E-09	0.00E+00	1.22E-08	6.18E-09	9.71E-09	0.00E+00	1.59E-08	1.04E-09	1.66E-09	0.00E+00	2.69E-09	4.53E-10	6.63E-10	0.00E+00	1.12E-09
5984	441543.4	3769450	3.26E-09	3.98E-09	0.00E+00	7.24E-09	3.68E-09	5.78E-09	0.00E+00	9.46E-09	6.17E-10	9.86E-10	0.00E+00	1.60E-09	2.70E-10	3.95E-10	0.00E+00	6.65E-10
5985	441534	3769449	3.24E-09	3.95E-09	0.00E+00	7.20E-09	3.66E-09	5.75E-09	0.00E+00	9.40E-09	6.13E-10	9.80E-10	0.00E+00	1.59E-09	2.68E-10	3.92E-10	0.00E+00	6.61E-10
5986	441524.6	3769448	3.22E-09	3.93E-09	0.00E+00	7.15E-09	3.63E-09	5.71E-09	0.00E+00	9.34E-09	6.09E-10	9.74E-10	0.00E+00	1.58E-09	2.66E-10	3.90E-10	0.00E+00	6.56E-10
5987	441515.2	3769447	3.20E-09	3.90E-09	0.00E+00	7.11E-09	3.61E-09	5.67E-09	0.00E+00	9.28E-09	6.05E-10	9.67E-10	0.00E+00	1.57E-09	2.65E-10	3.88E-10	0.00E+00	6.52E-10
5988	441505.8	3769446	3.18E-09	3.88E-09	0.00E+00	7.06E-09	3.59E-09	5.64E-09	0.00E+00	9.23E-09	6.02E-10	9.62E-10	0.00E+00	1.56E-09	2.63E-10	3.85E-10	0.00E+00	6.48E-10
5989	441440.1	3769440	3.04E-09	3.71E-09	0.00E+00	6.75E-09	3.43E-09	5.39E-09	0.00E+00	8.82E-09	5.75E-10	9.19E-10	0.00E+00	1.49E-09	2.52E-10	3.68E-10	0.00E+00	6.20E-10
5990	441430.7	3769439	3.01E-09	3.67E-09	0.00E+00	6.68E-09	3.39E-09	5.33E-09	0.00E+00	8.72E-09	5.69E-10	9.09E-10	0.00E+00	1.48E-09	2.49E-10	3.64E-10	0.00E+00	6.13E-10
5991	441421.3	3769439	2.97E-09	3.63E-09	0.00E+00	6.60E-09	3.35E-09	5.27E-09	0.00E+00	8.62E-09	5.62E-10	8.99E-10	0.00E+00	1.46E-09	2.46E-10	3.60E-10	0.00E+00	6.06E-10
5992	441411.9	3769438	2.96E-09	3.61E-09	0.00E+00	6.56E-09	3.33E-09	5.24E-09	0.00E+00	8.57E-09	5.59E-10	8.93E-10	0.00E+00	1.45E-09	2.45E-10	3.58E-10	0.00E+00	6.02E-10
5993	441402.6	3769437	2.94E-09	3.59E-09	0.00E+00	6.53E-09	3.32E-09	5.22E-09	0.00E+00	8.53E-09	5.56E-10	8.89E-10	0.00E+00	1.45E-09	2.43E-10	3.56E-10	0.00E+00	6.00E-10
5994	441393.2	3769436	2.93E-09	3.57E-09	0.00E+00	6.50E-09	3.30E-09	5.19E-09	0.00E+00	8.49E-09	5.54E-10	8.85E-10	0.00E+00	1.44E-09	2.42E-10	3.55E-10	0.00E+00	5.97E-10
5995	441383.8	3769435	2.92E-09	3.56E-09	0.00E+00	6.48E-09	3.29E-09	5.18E-09	0.00E+00	8.47E-09	5.52E-10	8.82E-10	0.00E+00	1.43E-09	2.42E-10	3.53E-10	0.00E+00	5.95E-10
5996	441374.4	3769434	2.91E-09	3.55E-09	0.00E+00	6.47E-09	3.28E-09	5.16E-09	0.00E+00	8.45E-09	5.51E-10	8.80E-10	0.00E+00	1.43E-09	2.41E-10	3.53E-10	0.00E+00	5.94E-10
5997	441365	3769434	2.91E-09	3.54E-09	0.00E+00	6.45E-09	3.28E-09	5.15E-09	0.00E+00	8.43E-09	5.50E-10	8.78E-10	0.00E+00	1.43E-09	2.40E-10	3.52E-10	0.00E+00	5.92E-10
5998	441355.6	3769433	2.90E-09	3.54E-09	0.00E+00	6.44E-09	3.27E-09	5.14E-09	0.00E+00	8.41E-09	5.48E-10	8.76E-10	0.00E+00	1.42E-09	2.40E-10	3.51E-10	0.00E+00	5.91E-10
5999	441346.2	3769432	2.90E-09	3.53E-09	0.00E+00	6.43E-09	3.26E-09	5.13E-09	0.00E+00	8.40E-09	5.47E-10	8.75E-10	0.00E+00	1.42E-09	2.39E-10	3.50E-10	0.00E+00	5.90E-10
6000	441336.8	3769431	2.89E-09	3.52E-09	0.00E+00	6.41E-09	3.26E-09	5.12E-09	0.00E+00	8.38E-09	5.46E-10	8.73E-10	0.00E+00	1.42E-09	2.39E-10	3.50E-10	0.00E+00	5.89E-10
6001	441327.5	3769430	2.89E-09	3.52E-09	0.00E+00	6.40E-09	3.25E-09	5.11E-09	0.00E+00	8.37E-09	5.45E-10	8.72E-10	0.00E+00	1.42E-09	2.39E-10	3.49E-10	0.00E+00	5.88E-10
6002	441318.1	3769429	2.88E-09	3.51E-09	0.00E+00	6.39E-09	3.24E-09	5.10E-09	0.00E+00	8.34E-09	5.44E-10	8.69E-10	0.00E+00	1.41E-09	2.38E-10	3.48E-10	0.00E+00	5.86E-10
6003	441308.7	3769428	2.87E-09	3.50E-09	0.00E+00	6.37E-09	3.24E-09	5.09E-09	0.00E+00	8.32E-09	5.43E-10	8.67E-10	0.00E+00	1.41E-09	2.37E-10	3.47E-10	0.00E+00	5.85E-10
6004	441299.3	3769428	2.86E-09	3.49E-09	0.00E+00	6.35E-09	3.23E-09	5.07E-09	0.00E+00	8.30E-09	5.41E-10	8.65E-10	0.00E+00	1.41E-09	2.37E-10	3.47E-10	0.00E+00	5.83E-10
6005	441289.9	3769427	2.85E-09	3.48E-09	0.00E+00	6.33E-09	3.21E-09	5.05E-09	0.00E+00	8.26E-09	5.39E-10	8.61E-10	0.00E+00	1.40E-09	2.36E-10	3.45E-10	0.00E+00	5.81E-10
6006	441280.5	3769426	2.84E-09	3.46E-09	0.00E+00	6.30E-09	3.20E-09	5.03E-09	0.00E+00	8.23E-09	5.37E-10	8.57E-10	0.00E+00	1.39E-09	2.35E-10	3.43E-10	0.00E+00	5.78E-10
6007	441271.1	3769425	2.83E-09	3.45E-09	0.00E+00	6.27E-09	3.19E-09	5.01E-09	0.00E+00	8.19E-09	5.34E-10	8.54E-10	0.00E+00	1.39E-09	2.34E-10	3.42E-10	0.00E+00	5.76E-10
6008	441261.7	3769424	2.81E-09	3.43E-09	0.00E+00	6.23E-09	3.17E-09	4.98E-09	0.00E+00	8.15E-09	5.31E-10	8.49E-10	0.00E+00	1.38E-09	2.32E-10	3.40E-10	0.00E+00	5.72E-10
6009	441252.4	3769423	2.79E-09	3.40E-09	0.00E+00	6.20E-09	3.15E-09	4.95E-09	0.00E+00	8.10E-09	5.28E-10	8.44E-10	0.00E+00	1.37E-09	2.31E-10	3.38E-10	0.00E+00	5.69E-10
6010	441243	3769422	2.77E-09	3.38E-09	0.00E+00	6.16E-09	3.13E-09	4.92E-09	0.00E+00	8.04E-09	5.24E-10	8.38E-10	0.00E+00	1.36E-09	2.29E-10	3.36E-10	0.00E+00	5.65E-10
6011	441233.6	3769422	2.76E-09	3.37E-09	0.00E+00	6.13E-09	3.12E-09	4.90E-09	0.00E+00	8.01E-09	5.23E-10	8.35E-10	0.00E+00	1.36E-09	2.29E-10	3.35E-10	0.00E+00	5.63E-10
6012	441224.2	3769421	2.76E-09	3.36E-09	0.00E+00	6.12E-09	3.11E-09	4.89E-09	0.00E+00	7.99E-09	5.21E-10	8.33E-10	0.00E+00	1.35E-09	2.28E-10	3.34E-10	0.00E+00	5.62E-10
6013	441214.8	3769420	2.75E-09	3.35E-09	0.00E+00	6.10E-09	3.10E-09	4.87E-09	0.00E+00	7.97E-09	5.20E-10	8.31E-10	0.00E+00	1.35E-09	2.27E-10	3.33E-10	0.00E+00	5.60E-10
6014	441205.4	3769419	2.74E-09	3.34E-09	0.00E+00	6.09E-09	3.09E-09	4.86E-09	0.00E+00	7.95E-09	5.19E-10	8.29E-10	0.00E+00	1.35E-09	2.27E-10	3.32E-10	0.00E+00	5.59E-10
6015	441130.3	3769412	2.71E-09	3.30E-09	0.00E+00	6.01E-09	3.05E-09	4.80E-09	0.00E+00	7.85E-09	5.12E-10	8.18E-10	0.00E+00	1.33E-09	2.24E-10	3.28E-10	0.00E+00	5.52E-10
6016	441120.9	3769411	2.71E-09	3.30E-09	0.00E+00	6.00E-09	3.05E-09	4.79E-09	0.00E+00	7.84E-09	5.11E-10	8.17E-10	0.00E+00	1.33E-09	2.24E-10	3.27E-10	0.00E+00	5.51E-10
6017	441111.5	3769410	2.70E-09	3.29E-09	0.00E+00	5.98E-09	3.04E-09	4.78E-09	0.00E+00	7.82E-09	5.10E-10	8.15E-10	0.00E+00	1.32E-09	2.23E-10	3.26E-10	0.00E+00	5.49E-10
6018	441102.2	3769410	2.69E-09	3.28E-09	0.00E+00	5.96E-09	3.03E-09	4.76E-09	0.00E+00	7.79E-09	5.08E-10	8.12E-10	0.00E+00	1.32E-09	2.22E-10	3.25E-10	0.00E+00	5.48E-10
6019	441092.8	3769409	2.68E-09	3.27E-09	0.00E+00	5.95E-09	3.02E-09	4.75E-09	0.00E+00	7.77E-09	5.06E-10	8.09E-10	0.00E+00	1.32E-09	2.22E-10	3.24E-10	0.00E+00	5.46E-10
6020	441083.4	3769408	2.67E-09	3.26E-09	0.00E+00	5.93E-09	3.01E-09	4.73E-09	0.00E+00	7.74E-09	5.05E-10	8.07E-10	0.00E+00	1.31E-09	2.21E-10	3.23E-10	0.00E+00	5.44E-10
6021	441074	3769407	2.66E-09	3.24E-09	0.00E+00	5.90E-09	3.00E-09	4.72E-09	0.00E+00	7.71E-09	5.03E-10	8.04E-10	0.00E+00	1.31E-09	2.20E-10	3.22E-10	0.00E+00	5.42E-10
6022	441064.6	3769406	2.65E-09	3.23E-09	0.00E+00	5.88E-09	2.99E-09	4.70E-09	0.00E+00	7.69E-09	5.01E-10	8.01E-10	0.00E+00	1.30E-09	2.19E-10	3.21E-10	0.00E+00	5.40E-10
6023	440878.1	3769357	2.50E-09	3.05E-09	0.00E+00	5.55E-09	2.82E-09	4.43E-09	0.00E+00	7.25E-09	4.73E-10	7.55E-10	0.00E+00	1.23E-09	2.07E-10	3.03E-10	0.00E+00	5.09E-10
6024	440873.7	3769349	2.53E-09	3.08E-09	0.00E+00	5.61E-09	2.85E-09	4.48E-09	0.00E+00	7.33E-09	4.78E-10	7.64E-10	0.00E+00	1.24E-09	2.09E-10	3.06E-10	0.00E+00	5.15E-10
6025	440856.2	3769316	2.66E-09	3.24E-09	0.00E+00	5.90E-09	3.00E-09	4.71E-09	0.00E+00	7.71E-09	5.03E-10	8.03E-10	0.00E+00	1.31E-09	2.20E-10	3.22E-10	0.00E+00	5.42E-10
6026	440851.9	3769307	2.69E-09	3.28E-09	0.00E+00	5.97E-09	3.03E-09	4.77E-09	0.00E+00	7.80E-09	5.08E-10	8.13E-10	0.00E+00	1.32E-09	2.22E-10	3.26E-10	0.00E+00	5.48E-10
6027	440847.5	3769299	2.72E-09	3.32E-09	0.00E+00	6.04E-09	3.07E-09	4.82E-09	0.00E+00	7.89E-09	5.14E-10	8.22E-10	0.00E+00	1.34E-09	2.25E-10	3.29E-10	0.00E+00	5.54E-10
6028	440781.8	3769174	3.23E-09	3.94E-09	0.00E+00	7.17E-09	3.64E-09	5.73E-09	0.00E+00	9.37E-09	6.11E-10	9.76E-10	0.00E+00	1.59E-09	2.67E-10	3.91E-10	0.00E+00	6.58E-10
6029	440777.5	3769165	3.27E-09	3.99E-09	0.00E+00	7.26E-09	3.69E-09	5.80E-09	0.00E+00	9.48E-09	6.18E-10	9.88E-10	0.00E+00	1.61E-09	2.70E-10	3.96E-10	0.00E+00	6.66E-10
6030	440773.1	3769157	3.31E-09	4.04E-09	0.00E+00	7.35E-09	3.73E-09	5.87E-09	0.00E+00	9.60E-09	6.26E-10	1.00E-09	0.00E+00	1.63E-09	2.74E-10	4.01E-10	0.00E+00	6.74E-10
6031	440768.7	3769149	3.35E-09	4.08E-09	0.00E+00	7.43E-09	3.77E-09	5.93E-09	0.00E+00	9.71E-09	6.33E-10	1.01E-09	0.00E+00	1.64E-09	2.77E-10	4.05E-10	0.00E+00	6.82E-10
6032	440764.3	3769140	3.38E-09	4.12E-09	0.00E+00	7.51E-09	3.81E-09	6.00E-09	0.00E+00	9.81E-09	6.40E-10	1.02E-09	0.00E+00	1.66E-09	2.80E-10	4.09E-10	0.00E+00	6.89E-10
6033	440759.9	3769132	3.43E-09	4.18E-09	0.00E+00	7.61E-09	3.87E-09	6.08E-09	0.00E+00	9.94E-09	6.48E-10	1.04E-09	0.00E+00	1.68E-09	2.84E-10	4.15E-10	0.00E+00	6.99E-10
6034	440755.6	3769123	3.52E-09	4.29E-09	0.00E+00	7.80E-09	3.96E-09	6.23E-09	0.00E+00	1.02E-08	6.65E-10	1.06E-09	0.00E+00	1.73E-09	2.91E-10	4.25E-10	0.00E+00	7.16E-10
6035	440751.2	3769115	3.56E-09	4.34E-09	0.00E+00	7.90E-09	4.01E-09	6.31E-09	0.00E+00	1.03E-08	6.73E-10	1.08E-09	0.00E+00	1.75E-09	2.94E-10	4.31E-10	0.00E+00	7.25E-10
6036	440746.8	3769107	3.60E-09	4.39E-09	0.00E+00	7.99E-09	4.06E-09	6.38E-09	0.00E+00	1.04E-08	6.81E-10	1.09E-09	0.00E+00	1.77E-09	2.98E-10	4.36E-10	0.00E+00	7.34E-10
6037	440742.4	3769098	3.65E-09	4.44E-09	0.00E+00	8.09E-09	4.11E-09	6.46E-09	0.00E+00	1.06E-08	6.89E-10	1.10E-09	0.00E+00	1.79E-09	3.01E-10	4.41E-10	0.00E+00	7.43E-10
6038	440738.1	3769090	3.69E-09	4.50E-09	0.00E+00	8.19E-09	4.16E-09	6.54E-09	0.00E+00	1.07E-08	6.97E-10	1.11E-09	0.00E+00	1.81E-09	3.05E-10	4.47E-10	0.00E+00	7.52E-10
6039	440733.7	3769082	3.73E-09	4.55E-09	0.00E+00	8.28E-09	4.21E-09	6.62E-09	0.00E+00	1.08E-08	7.06E-10	1.13E-09	0.00E+00	1.83E-09	3.09E-10	4.52E-10	0.00E+00	7.61E-10
6040	440729.3	3769073	3.78E-09	4.60E-09	0.00E+00	8.38E-09	4.26E-09	6.69E-09	0.00E+00	1.09E-08	7.14E-10	1.14E-09	0.00E+00	1.85E-09	3.12E-10	4.57E-10	0.00E+00	7.69E-10
6041	440724.9	3769065	3.82E-09	4.66E-09	0.00E+00	8.47E-09	4.30E-09	6.77E-09	0.00E+00	1.11E-08	7.22E-10	1.15E-09	0.00E+00	1.88E-09	3.16E-10	4.62E-10	0.00E+00	7.78E-10
6042	440720.5	3769057	3.86E-09	4.71E-09	0.00E+00	8.57E-09	4.35E-09	6.84E-09	0.00E+00	1.12E-08	7.30E-10	1.17E-09	0.00E+00	1.90E-09	3.19E-10	4.67E-10	0.00E+00	7.87E-10
6043	440716.2	3769048	3.90E-09	4.76E-09	0.00E+00	8.66E-09	4.40E-09	6.92E-09	0.00E+00	1.13E-08	7.38E-10	1.18E-09	0.00E+00	1.92E-09	3.23E-10	4.72E-10	0.00E+00	7.95E-10
6044	440689.9	3768998	4.17E-09	5.08E-09	0.00E+00	9.25E-09	4.70E-09	7.38E-09	0.00E+00	1.21E-08	7.88E-10	1.26E-09	0.00E+00	2.05E-09	3.45E-10	5.04E-10	0.00E+00	8.49E-10
6045	440685.5	3768990	4.21E-09	5.13E-09	0.00E+00	9.35E-09	4.75E-09	7.46E-09	0.00E+00	1.22E-08	7.96E-10	1.27E-09	0.00E+00	2.07E-09	3.48E-10	5.10E-10	0.00E+00	8.58E-10

6046	440681.2	3768982	4.26E-09	5.19E-09	0.00E+00	9.45E-09	4.80E-09	7.54E-09	0.00E+00	1.23E-08	8.05E-10	1.29E-09	0.00E+00	2.09E-09	3.52E-10	5.15E-10	0.00E+00	8.67E-10
6047	440676.8	3768973	4.30E-09	5.24E-09	0.00E+00	9.55E-09	4.85E-09	7.62E-09	0.00E+00	1.25E-08	8.13E-10	1.30E-09	0.00E+00	2.11E-09	3.56E-10	5.21E-10	0.00E+00	8.76E-10
6048	441549.8	3769486	3.00E-09	3.66E-09	0.00E+00	6.66E-09	3.38E-09	5.32E-09	0.00E+00	8.71E-09	5.68E-10	9.07E-10	0.00E+00	1.47E-09	2.48E-10	3.63E-10	0.00E+00	6.12E-10
6049	441540.4	3769485	2.98E-09	3.64E-09	0.00E+00	6.62E-09	3.36E-09	5.29E-09	0.00E+00	8.65E-09	5.64E-10	9.01E-10	0.00E+00	1.47E-09	2.47E-10	3.61E-10	0.00E+00	6.08E-10
6050	441531	3769484	2.96E-09	3.61E-09	0.00E+00	6.57E-09	3.34E-09	5.25E-09	0.00E+00	8.59E-09	5.60E-10	8.95E-10	0.00E+00	1.45E-09	2.45E-10	3.58E-10	0.00E+00	6.03E-10
6051	441521.6	3769483	2.94E-09	3.58E-09	0.00E+00	6.52E-09	3.31E-09	5.21E-09	0.00E+00	8.52E-09	5.56E-10	8.88E-10	0.00E+00	1.44E-09	2.43E-10	3.56E-10	0.00E+00	5.99E-10
6052	441512.2	3769482	2.92E-09	3.56E-09	0.00E+00	6.48E-09	3.29E-09	5.17E-09	0.00E+00	8.46E-09	5.52E-10	8.82E-10	0.00E+00	1.43E-09	2.41E-10	3.53E-10	0.00E+00	5.95E-10
6053	441465.3	3769478	2.84E-09	3.47E-09	0.00E+00	6.31E-09	3.21E-09	5.04E-09	0.00E+00	8.25E-09	5.38E-10	8.59E-10	0.00E+00	1.40E-09	2.35E-10	3.44E-10	0.00E+00	5.80E-10
6054	441455.9	3769477	2.82E-09	3.44E-09	0.00E+00	6.27E-09	3.18E-09	5.01E-09	0.00E+00	8.19E-09	5.34E-10	8.53E-10	0.00E+00	1.39E-09	2.34E-10	3.42E-10	0.00E+00	5.75E-10
6055	441446.5	3769476	2.81E-09	3.42E-09	0.00E+00	6.23E-09	3.16E-09	4.97E-09	0.00E+00	8.13E-09	5.30E-10	8.48E-10	0.00E+00	1.38E-09	2.32E-10	3.40E-10	0.00E+00	5.71E-10
6056	441437.1	3769475	2.79E-09	3.40E-09	0.00E+00	6.18E-09	3.14E-09	4.94E-09	0.00E+00	8.08E-09	5.27E-10	8.42E-10	0.00E+00	1.37E-09	2.30E-10	3.37E-10	0.00E+00	5.68E-10
6057	441427.7	3769475	2.77E-09	3.37E-09	0.00E+00	6.14E-09	3.12E-09	4.90E-09	0.00E+00	8.02E-09	5.23E-10	8.36E-10	0.00E+00	1.36E-09	2.29E-10	3.35E-10	0.00E+00	5.64E-10
6058	441418.3	3769474	2.75E-09	3.35E-09	0.00E+00	6.10E-09	3.10E-09	4.87E-09	0.00E+00	7.97E-09	5.20E-10	8.31E-10	0.00E+00	1.35E-09	2.27E-10	3.33E-10	0.00E+00	5.60E-10
6059	441408.9	3769473	2.73E-09	3.33E-09	0.00E+00	6.06E-09	3.08E-09	4.84E-09	0.00E+00	7.92E-09	5.17E-10	8.26E-10	0.00E+00	1.34E-09	2.26E-10	3.31E-10	0.00E+00	5.57E-10
6060	441399.5	3769472	2.72E-09	3.31E-09	0.00E+00	6.03E-09	3.06E-09	4.81E-09	0.00E+00	7.87E-09	5.13E-10	8.21E-10	0.00E+00	1.33E-09	2.25E-10	3.29E-10	0.00E+00	5.53E-10
6061	441390.1	3769471	2.70E-09	3.29E-09	0.00E+00	5.99E-09	3.04E-09	4.78E-09	0.00E+00	7.83E-09	5.10E-10	8.16E-10	0.00E+00	1.33E-09	2.23E-10	3.27E-10	0.00E+00	5.50E-10
6062	441380.7	3769470	2.69E-09	3.29E-09	0.00E+00	5.98E-09	3.04E-09	4.78E-09	0.00E+00	7.81E-09	5.09E-10	8.14E-10	0.00E+00	1.32E-09	2.23E-10	3.26E-10	0.00E+00	5.49E-10
6063	441371.3	3769469	2.69E-09	3.28E-09	0.00E+00	5.97E-09	3.03E-09	4.77E-09	0.00E+00	7.80E-09	5.09E-10	8.13E-10	0.00E+00	1.32E-09	2.22E-10	3.26E-10	0.00E+00	5.48E-10
6064	441361.9	3769468	2.69E-09	3.27E-09	0.00E+00	5.96E-09	3.03E-09	4.76E-09	0.00E+00	7.79E-09	5.08E-10	8.11E-10	0.00E+00	1.32E-09	2.22E-10	3.25E-10	0.00E+00	5.47E-10
6065	441352.5	3769468	2.68E-09	3.26E-09	0.00E+00	5.94E-09	3.02E-09	4.75E-09	0.00E+00	7.76E-09	5.06E-10	8.09E-10	0.00E+00	1.32E-09	2.21E-10	3.24E-10	0.00E+00	5.46E-10
6066	441343.1	3769467	2.67E-09	3.26E-09	0.00E+00	5.93E-09	3.01E-09	4.73E-09	0.00E+00	7.74E-09	5.05E-10	8.07E-10	0.00E+00	1.31E-09	2.21E-10	3.23E-10	0.00E+00	5.44E-10
6067	441333.7	3769466	2.66E-09	3.25E-09	0.00E+00	5.91E-09	3.00E-09	4.72E-09	0.00E+00	7.72E-09	5.03E-10	8.05E-10	0.00E+00	1.31E-09	2.20E-10	3.22E-10	0.00E+00	5.42E-10
6068	441324.3	3769465	2.66E-09	3.24E-09	0.00E+00	5.90E-09	3.00E-09	4.71E-09	0.00E+00	7.71E-09	5.03E-10	8.03E-10	0.00E+00	1.31E-09	2.20E-10	3.22E-10	0.00E+00	5.41E-10
6069	441314.9	3769464	2.65E-09	3.24E-09	0.00E+00	5.89E-09	2.99E-09	4.70E-09	0.00E+00	7.70E-09	5.02E-10	8.02E-10	0.00E+00	1.30E-09	2.19E-10	3.21E-10	0.00E+00	5.41E-10
6070	441305.6	3769463	2.65E-09	3.23E-09	0.00E+00	5.88E-09	2.99E-09	4.70E-09	0.00E+00	7.69E-09	5.01E-10	8.01E-10	0.00E+00	1.30E-09	2.19E-10	3.21E-10	0.00E+00	5.40E-10
6071	441296.2	3769462	2.64E-09	3.22E-09	0.00E+00	5.87E-09	2.98E-09	4.69E-09	0.00E+00	7.67E-09	5.00E-10	7.99E-10	0.00E+00	1.30E-09	2.19E-10	3.20E-10	0.00E+00	5.39E-10
6072	441286.8	3769462	2.63E-09	3.21E-09	0.00E+00	5.84E-09	2.97E-09	4.67E-09	0.00E+00	7.63E-09	4.98E-10	7.95E-10	0.00E+00	1.29E-09	2.18E-10	3.19E-10	0.00E+00	5.36E-10
6073	441277.4	3769461	2.62E-09	3.20E-09	0.00E+00	5.82E-09	2.96E-09	4.65E-09	0.00E+00	7.60E-09	4.96E-10	7.92E-10	0.00E+00	1.29E-09	2.17E-10	3.17E-10	0.00E+00	5.34E-10
6074	441268	3769460	2.61E-09	3.18E-09	0.00E+00	5.79E-09	2.94E-09	4.63E-09	0.00E+00	7.57E-09	4.94E-10	7.89E-10	0.00E+00	1.28E-09	2.16E-10	3.16E-10	0.00E+00	5.32E-10
6075	441249.2	3769458	2.58E-09	3.15E-09	0.00E+00	5.73E-09	2.91E-09	4.57E-09	0.00E+00	7.48E-09	4.88E-10	7.80E-10	0.00E+00	1.27E-09	2.13E-10	3.12E-10	0.00E+00	5.26E-10
6076	441239.8	3769457	2.57E-09	3.13E-09	0.00E+00	5.69E-09	2.89E-09	4.55E-09	0.00E+00	7.44E-09	4.85E-10	7.75E-10	0.00E+00	1.26E-09	2.12E-10	3.10E-10	0.00E+00	5.23E-10
6077	441230.4	3769456	2.56E-09	3.12E-09	0.00E+00	5.68E-09	2.88E-09	4.54E-09	0.00E+00	7.42E-09	4.84E-10	7.73E-10	0.00E+00	1.26E-09	2.12E-10	3.10E-10	0.00E+00	5.21E-10
6078	441221	3769456	2.55E-09	3.11E-09	0.00E+00	5.67E-09	2.88E-09	4.52E-09	0.00E+00	7.40E-09	4.83E-10	7.71E-10	0.00E+00	1.25E-09	2.11E-10	3.09E-10	0.00E+00	5.20E-10
6079	441211.6	3769455	2.55E-09	3.11E-09	0.00E+00	5.65E-09	2.87E-09	4.51E-09	0.00E+00	7.39E-09	4.82E-10	7.70E-10	0.00E+00	1.25E-09	2.11E-10	3.08E-10	0.00E+00	5.19E-10
6080	441202.2	3769454	2.54E-09	3.10E-09	0.00E+00	5.64E-09	2.86E-09	4.50E-09	0.00E+00	7.37E-09	4.80E-10	7.68E-10	0.00E+00	1.25E-09	2.10E-10	3.08E-10	0.00E+00	5.18E-10
6081	441183.4	3769452	2.53E-09	3.08E-09	0.00E+00	5.61E-09	2.85E-09	4.48E-09	0.00E+00	7.33E-09	4.78E-10	7.64E-10	0.00E+00	1.24E-09	2.09E-10	3.06E-10	0.00E+00	5.15E-10
6082	441117.7	3769446	2.51E-09	3.06E-09	0.00E+00	5.57E-09	2.83E-09	4.45E-09	0.00E+00	7.27E-09	4.74E-10	7.58E-10	0.00E+00	1.23E-09	2.07E-10	3.04E-10	0.00E+00	5.11E-10
6083	441108.3	3769445	2.50E-09	3.05E-09	0.00E+00	5.55E-09	2.82E-09	4.43E-09	0.00E+00	7.25E-09	4.73E-10	7.56E-10	0.00E+00	1.23E-09	2.07E-10	3.03E-10	0.00E+00	5.10E-10
6084	441098.9	3769444	2.49E-09	3.04E-09	0.00E+00	5.54E-09	2.81E-09	4.42E-09	0.00E+00	7.23E-09	4.72E-10	7.54E-10	0.00E+00	1.23E-09	2.06E-10	3.02E-10	0.00E+00	5.08E-10
6085	441089.5	3769444	2.49E-09	3.03E-09	0.00E+00	5.52E-09	2.80E-09	4.41E-09	0.00E+00	7.21E-09	4.70E-10	7.51E-10	0.00E+00	1.22E-09	2.06E-10	3.01E-10	0.00E+00	5.07E-10
6086	441080.1	3769443	2.48E-09	3.02E-09	0.00E+00	5.50E-09	2.79E-09	4.39E-09	0.00E+00	7.19E-09	4.69E-10	7.49E-10	0.00E+00	1.22E-09	2.05E-10	3.00E-10	0.00E+00	5.05E-10
6087	441070.7	3769442	2.47E-09	3.01E-09	0.00E+00	5.48E-09	2.78E-09	4.38E-09	0.00E+00	7.16E-09	4.67E-10	7.46E-10	0.00E+00	1.21E-09	2.04E-10	2.99E-10	0.00E+00	5.03E-10
6088	441061.3	3769441	2.46E-09	3.00E-09	0.00E+00	5.46E-09	2.78E-09	4.36E-09	0.00E+00	7.14E-09	4.66E-10	7.44E-10	0.00E+00	1.21E-09	2.04E-10	2.98E-10	0.00E+00	5.02E-10
6089	441051.9	3769440	2.45E-09	2.99E-09	0.00E+00	5.44E-09	2.76E-09	4.34E-09	0.00E+00	7.11E-09	4.63E-10	7.41E-10	0.00E+00	1.20E-09	2.03E-10	2.97E-10	0.00E+00	4.99E-10
6090	440929.8	3769429	2.31E-09	2.82E-09	0.00E+00	5.13E-09	2.60E-09	4.10E-09	0.00E+00	6.70E-09	4.37E-10	6.98E-10	0.00E+00	1.14E-09	1.91E-10	2.80E-10	0.00E+00	4.71E-10
6091	440860.3	3769399	2.29E-09	2.79E-09	0.00E+00	5.08E-09	2.58E-09	4.06E-09	0.00E+00	6.63E-09	4.33E-10	6.91E-10	0.00E+00	1.12E-09	1.89E-10	2.77E-10	0.00E+00	4.66E-10
6092	440855.9	3769390	2.31E-09	2.82E-09	0.00E+00	5.13E-09	2.60E-09	4.09E-09	0.00E+00	6.70E-09	4.37E-10	6.98E-10	0.00E+00	1.13E-09	1.91E-10	2.80E-10	0.00E+00	4.71E-10
6093	440834	3769349	2.44E-09	2.98E-09	0.00E+00	5.42E-09	2.75E-09	4.33E-09	0.00E+00	7.08E-09	4.62E-10	7.38E-10	0.00E+00	1.20E-09	2.02E-10	2.96E-10	0.00E+00	4.98E-10
6094	440829.6	3769340	2.47E-09	3.01E-09	0.00E+00	5.48E-09	2.78E-09	4.37E-09	0.00E+00	7.15E-09	4.67E-10	7.46E-10	0.00E+00	1.21E-09	2.04E-10	2.99E-10	0.00E+00	5.03E-10
6095	440742	3769173	3.12E-09	3.80E-09	0.00E+00	6.92E-09	3.52E-09	5.53E-09	0.00E+00	9.04E-09	5.90E-10	9.43E-10	0.00E+00	1.53E-09	2.58E-10	3.78E-10	0.00E+00	6.35E-10
6096	440737.6	3769165	3.15E-09	3.85E-09	0.00E+00	7.00E-09	3.56E-09	5.59E-09	0.00E+00	9.15E-09	5.96E-10	9.53E-10	0.00E+00	1.55E-09	2.61E-10	3.82E-10	0.00E+00	6.43E-10
6097	440733.2	3769157	3.19E-09	3.89E-09	0.00E+00	7.08E-09	3.60E-09	5.65E-09	0.00E+00	9.25E-09	6.03E-10	9.64E-10	0.00E+00	1.57E-09	2.64E-10	3.86E-10	0.00E+00	6.50E-10
6098	440728.8	3769148	3.23E-09	3.93E-09	0.00E+00	7.16E-09	3.64E-09	5.72E-09	0.00E+00	9.36E-09	6.10E-10	9.75E-10	0.00E+00	1.58E-09	2.67E-10	3.91E-10	0.00E+00	6.57E-10
6099	440724.5	3769140	3.26E-09	3.98E-09	0.00E+00	7.24E-09	3.68E-09	5.78E-09	0.00E+00	9.46E-09	6.17E-10	9.86E-10	0.00E+00	1.60E-09	2.70E-10	3.95E-10	0.00E+00	6.65E-10
6100	440720.1	3769131	3.30E-09	4.02E-09	0.00E+00	7.32E-09	3.72E-09	5.85E-09	0.00E+00	9.57E-09	6.24E-10	9.97E-10	0.00E+00	1.62E-09	2.73E-10	3.99E-10	0.00E+00	6.72E-10
6101	440715.7	3769123	3.34E-09	4.07E-09	0.00E+00	7.41E-09	3.76E-09	5.92E-09	0.00E+00	9.68E-09	6.31E-10	1.01E-09	0.00E+00	1.64E-09	2.76E-10	4.04E-10	0.00E+00	6.80E-10
6102	440711.3	3769115	3.38E-09	4.12E-09	0.00E+00	7.49E-09	3.81E-09	5.99E-09	0.00E+00	9.79E-09	6.38E-10	1.02E-09	0.00E+00	1.66E-09	2.79E-10	4.09E-10	0.00E+00	6.88E-10
6103	440706.9	3769106	3.42E-09	4.16E-09	0.00E+00	7.58E-09	3.85E-09	6.05E-09	0.00E+00	9.90E-09	6.46E-10	1.03E-09	0.00E+00	1.68E-09	2.82E-10	4.13E-10	0.00E+00	6.96E-10
6104	440702.6	3769098	3.45E-09	4.21E-09	0.00E+00	7.66E-09	3.89E-09	6.12E-09	0.00E+00	1.00E-08	6.53E-10	1.04E-09	0.00E+00	1.70E-09	2.86E-10	4.18E-10	0.00E+00	7.04E-10
6105	440698.2	3769090	3.49E-09	4.26E-09	0.00E+00	7.75E-09	3.94E-09	6.19E-09	0.00E+00	1.01E-08	6.60E-10	1.05E-09	0.00E+00	1.72E-09	2.89E-10	4.23E-10	0.00E+00	7.11E-10
6106	440693.8	3769081	3.53E-09	4.30E-09	0.00E+00	7.83E-09	3.98E-09	6.26E-09	0.00E+00	1.02E-08	6.67E-10	1.07E-09	0.00E+00	1.73E-09	2.92E-10	4.27E-10	0.00E+00	7.19E-10
6107	440689.4	3769073	3.57E-09	4.35E-09	0.00E+00	7.92E-09	4.02E-09	6.32E-09	0.00E+00	1.03E-08	6.74E-10	1.08E-09	0.00E+00	1.75E-09	2.95E-10	4.32E-10	0.00E+00	7.27E-10
6108	440685	3769065	3.61E-09	4.40E-09	0.00E+00	8.00E-09	4.06E-09	6.39E-09	0.00E+00	1.05E-08	6.82E-10	1.09E-09	0.00E+00	1.77E-09	2.98E-10	4.36E-10	0.00E+00	7.35E-10
6109	440680.7	3769056	3.64E-09	4.44E-09	0.00E+00	8.09E-09	4.11E-09	6.46E-09	0.00E+00	1.06E-08	6.89E-10	1.10E-09	0.00E+00	1.79E-09	3.01E-10	4.41E-10	0.00E+00	7.42E-10
6110	440676.3	3769048	3.68E-09	4.49E-09	0.00E+00	8.17E-09	4.15E-09	6.53E-09	0.00E+00	1.07E-08	6.96E-10	1.11E-09	0.00E+00	1.81E-09	3.05E-10	4.46E-10	0.00E+00	7.50E-10
6111	440650	3768998	3.92E-09	4.78E-09	0.00E+00	8.70E-09	4.42E-09	6.95E-09	0.00E+00	1.14E-08	7.41E-10	1.18E-09	0.00E+00	1.93E-09	3.24E-10	4.74E-10	0.00E+00	7.98E-10
6112	440645.6	3768989	3.96E-09	4.83E-09	0.00E+00	8.78E-09	4.46E-09	7.01E-09	0.00E+00	1.15E-08	7.48E-10	1.20E-09	0.00E+00	1.94E-09	3.27E-10	4.79E-10	0.00E+00	8.06E-10
6113	440641.2	3768981	4.00E-09	4.87E-09	0.00E+00	8.87E-09	4.51E-09	7.08E-09	0.00E+00	1.16E-08	7.56E-10	1.21E-09	0.00E+00	1.96E-09	3.31E-10	4.84E-10	0.00E+00	8.14E-10
6114	440636.9	3768973	4.04E-09	4.92E-09	0.00E+00	8.96E-09	4.55E-09	7.15E-09	0.00E+00	1.17E-08	7.63E-10	1.22E-09	0.00E+00	1.98E-09	3.34E-10	4.88E-10	0.00E+00	8.22E-10
6115	441546.8	3769521	2.75E-09	3.35E-09	0.00E+00	6.09E-09	3.09E-09	4.86E-09	0.00E+00	7.96E-09	5.19E-10	8.29E-10	0.00E+00	1.35E-09	2.27E-10	3.32E-10	0.00E+00	5.59E-10
6116	441537.4	3769520	2.73E-09	3.33E-09	0.00E+00	6.06E-09	3.08E-09	4.84E-09	0.00E+00	7.91E-09	5.16E-10	8.25E-10	0.00E+00	1.34E-09	2.26E-10	3.30E-10	0.00E+00	5.56E-10
6117	441528	3769519	2.71E-09	3.31E-09	0.00E+00	6.02E-09	3.06E-09	4.81E-09	0.00E+00	7.86E-09	5.13E-10	8.19E-10	0.00E+00	1.33E-09	2.24E-10	3.28E-10	0.00E+00	5.53E-10
6118	441481	3769515	2.63E-09	3.21E-09	0.00E+00	5.84E-09	2.97E-09	4.67E-09	0.00E+00	7.63E-09	4.98E-10	7.95E-10	0.00E+00	1.29E-09	2.18E-10	3.19E-10	0.00E+00	5.36E-10
6119	441471.6	3769514	2.62E-09	3.19E-09	0.00E+00	5.80E-09	2.95E-09	4.63E-09	0.00E+00	7.58E-09	4.94E-10	7.90E-10	0.00E+00	1.28E-09	2.16E-10	3.17E-10	0.00E+00	5.33E-10
6120	441462.2	3769513	2.60E-09	3.17E-09	0.00E+00	5.76E-09	2.93E-09	4.60E-09	0.00E+00	7.53E-09	4.91E-10	7.85E-10	0.00E+00	1.28E-09	2.15E-10	3.14E-10	0.00E+00	5.29E-10
6121	441452.8	3769512	2.58E-09	3.15E-09	0.00E+00	5.73E-09	2.91E-09	4.57E-09	0.00E+00	7.48E-09	4.88E-10	7.79E-10	0.00E+00	1.27E-09	2.13E-10	3.12E-10	0.00E+00	5.26E-10
6122	441443.4	3769511	2.56E-09	3.13E-09	0.00E+00	5.69E-09	2.89E-09	4.54E-09	0.00E+00	7.44E-09	4.85E-10	7.75E-10	0.00E+00	1.26E-09	2.12E-10	3.10E-10	0.00E+00	5.22E-10
6123	440860.6	3769458	2.08E-09	2.54E-09	0.00E+00	4.62E-09	2.35E-09	3.69E-09	0.00E+00	6.04E-09	3.94E-10	6.29E-10	0.00E+00	1.02E-09	1.72E-10	2.52E-10	0.00E+00	4.24E-10
6124	440838	3769432	2.13E-09	2.60E-09	0.00E+00	4.72E-09	2.40E-09	3.77E-09	0.00E+00	6.17E-09	4.02E-10	6.43E-10	0.00E+00	1.05E-09	1.76E-10	2.58E-10	0.00E+00	4.34E-10
6125	440833.6	3769424	2.15E-09	2.62E-09	0.00E+00	4.77E-09	2.42E-09	3.81E-09	0.00E+00	6.23E-09	4.07E-10	6.50E-10	0.00E+00	1.06E-09	1.78E-10	2.60E-10	0.00E+00	4.38E-10
6126	440829.2	3769415	2.17E-09	2.65E-09	0.00E+00	4.82E-09	2.45E-09	3.85E-09	0.00E+00	6.30E-09	4.11E-10	6.57E-10	0.00E+00	1.07E-09	1.80E-10	2.63E-10	0.00E+00	4.43E-10
6127	440824.9	3769407	2.20E-09	2.68E-09	0.00E+00	4.87E-09	2.48E-09	3.89E-09	0.00E+00	6.37E-09	4.15E-10	6.64E-10	0.00E+00	1.08E-09	1.82E-10	2.66E-10	0.00E+00	4.47E-10
6128	440798.6	3769357	2.33E-09	2.84E-09	0.00E+00	5.17E-09	2.63E-09	4.13E-09	0.00E+00	6.76E-09	4.40E-10	7.04E-10	0.00E+00	1.14E-09	1.93E-10	2.82E-10	0.00E+00	4.75E-10
6129	440794.2	3769348	2.35E-09	2.87E-09	0.00E+00	5.22E-09	2.65E-09	4.17E-09	0.00E+00	6.82E-09	4.44E-10	7.10E-10	0.00E+00	1.15E-09	1.94E-10	2.84E-10	0.00E+00	4.79E-10
6130	440781	3769323	2.41E-09	2.94E-09	0.00E+00	5.35E-09	2.72E-09	4.27E-09	0.00E+00	6.99E-09	4.56E-10	7.28E-10	0.00E+00	1.18E-09	1.99E-10	2.92E-10	0.00E+00	4.91E-10
6131	440776.6	3769315	2.43E-09	2.97E-09	0.00E+00	5.40E-09	2.74E-09	4.31E-09	0.00E+00	7.06E-09	4.60E-10	7.35E-10	0.00E+00	1.20E-09	2.01E-10	2.95E-10	0.00E+00	4.96E-10
6132	440702.1	3769173	2.93E-09	3.58E-09	0.00E+00	6.51E-09	3.31E-09	5.20E-09	0.00E+00	8.50E-09	5.54E-10	8.86E-10	0.00E+00	1.44E-09	2.43E-10	3.55E-10	0.00E+00	5.97E-10
6133	440697.7	3769165	2.97E-09	3.62E-09	0.00E+00	6.59E-09	3.35E-09	5.26E-09	0.00E+00	8.60E-09	5.61E-10	8.97E-10	0.00E+00	1.46E-09	2.45E-10	3.59E-10	0.00E+00	6.05E-10
6134	440693.4	3769156	3.04E-09	3.70E-09	0.00E+00	6.74E-09	3.43E-09	5.38E-09	0.00E+00	8.81E-09	5.74E-10	9.18E-10	0.00E+00	1.49E-09	2.51E-10	3.68E-10	0.00E+00	6.19E-10
6135	440689	3769148	3.07E-09	3.75E-09	0.00E+00	6.82E-09	3.46E-09	5.44E-09	0.00E+00	8.91E-09	5.81E-10	9.28E-10	0.00E+00	1.51E-09	2.54E-10	3.72E-10	0.00E+00	6.26E-10
6136	440684.6	3769139	3.11E-09	3.79E-09	0.00E+00	6.89E-09	3.50E-09	5.50E-09	0.00E+00	9.00E-09	5.87E-10	9.38E-10	0.00E+00	1.53E-09	2.57E-10	3.76E-10	0.00E+00	6.33E-10
6137	440680.2	3769131	3.14E-09	3.83E-09	0.00E+00	6.97E-09	3.54E-09	5.56E-09	0.00E+00	9.10E-09	5.93E-10	9.48E-10	0.00E+00	1.54E-09	2.60E-10	3.80E-10	0.00E+00	6.39E-10
6138	440675.8	3769123	3.17E-09	3.87E-09	0.00E+00	7.04E-09	3.58E-09	5.62E-09	0.00E+00	9.20E-09	6.00E-10	9.59E-10	0.00E+00	1.56E-09	2.62E-10	3.84E-10	0.00E+00	6.46E-10
6139	440671.4	3769114	3.21E-09	3.91E-09	0.00E+00	7.12E-09	3.61E-09	5.68E-09	0.00E+00	9.30E-09	6.06E-10	9.69E-10	0.00E+00	1.57E-09	2.65E-10	3.88E-10	0.00E+00	6.53E-10
6140	440667.1	3769106	3.24E-09	3.95E-09	0.00E+00	7.19E-09	3.65E-09	5.74E-09	0.00E+00	9.39E-09	6.13E-10	9.79E-10	0.00E+00	1.59E-09	2.68E-10	3.92E-10	0.00E+00	6.60E-10
6141	440662.7	3769098	3.27E-09	3.99E-09	0.00E+00	7.27E-09	3.69E-09	5.80E-09	0.00E+00	9.49E-09	6.19E-10	9.89E-10	0.00E+00	1.61E-09	2.71E-10	3.96E-10	0.00E+00	6.67E-10
6142	440658.3	3769089	3.31E-09	4.03E-09	0.00E+00	7.34E-09	3.73E-09	5.86E-09	0.00E+00	9.59E-09	6.26E-10	1.00E-09	0.00E+00	1.63E-09	2.74E-10	4.00E-10	0.00E+00	6.74E-10
6143	440653.9	3769081	3.34E-09	4.08E-09	0.00E+00	7.42E-09	3.77E-09	5.92E-09	0.00E+00	9.69E-09	6.32E-10	1.01E-09	0.00E+00	1.64E-09	2.76E-10	4.05E-10	0.00E+00	6.81E-10
6144	440649.5	3769073	3.38E-09	4.12E-09	0.00E+00	7.50E-09	3.81E-09	5.99E-09	0.00E+00	9.80E-09	6.39E-10	1.02E-09	0.00E+00	1.66E-09	2.79E-10	4.09E-10	0.00E+00	6.88E-10
6145	440645.1	3769064	3.41E-09	4.16E-09	0.00E+00	7.58E-09	3.85E-09	6.05E-09	0.00E+00	9.90E-09	6.45E-10	1.03E-09	0.00E+00	1.68E-09	2.82E-10	4.13E-10	0.00E+00	6.96E-10
6146	440640.8	3769056	3.45E-09	4.21E-09	0.00E+00	7.66E-09	3.89E-09	6.11E-09	0.00E+00	1.00E-08	6.52E-10	1.04E-09	0.00E+00	1.69E-09	2.85E-10	4.18E-10	0.00E+00	7.03E-10
6147	440636.4	3769047	3.49E-09	4.25E-09	0.00E+00	7.73E-09	3.93E-09	6.18E-09	0.00E+00	1.01E-08	6.59E-10	1.05E-09	0.00E+00	1.71E-09	2.88E-10	4.22E-10	0.00E+00	7.10E-10
6148	440610.1	3768997	3.69E-09	4.50E-09	0.00E+00	8.20E-09	4.16E-09	6.55E-09	0.00E+00	1.07E-08	6.98E-10	1.12E-09	0.00E+00	1.81E-09	3.05E-10	4.47E-10	0.00E+00	7.53E-10
6149	440605.7	3768989	3.73E-09	4.54E-09	0.00E+00	8.27E-09	4.20E-09	6.61E-09	0.00E+00	1.08E-08	7.05E-10	1.13E-09	0.00E+00	1.83E-09	3.08E-10	4.51E-10	0.00E+00	7.59E-10
6150	441553.3	3769557	2.54E-09	3.09E-09	0.00E+00	5.63E-09	2.86E-09	4.49E-09	0.00E+00	7.35E-09	4.79E-10	7.66E-10	0.00E+00	1.25E-09	2.10E-10	3.07E-10	0.00E+00	5.17E-10
6151	441543.9	3769556	2.52E-09	3.07E-09	0.00E+00	5.60E-09	2.84E-09	4.47E-09	0.00E+00	7.31E-09	4.77E-10	7.62E-10	0.00E+00	1.24E-09	2.08E-10	3.05E-10	0.00E+00	5.14E-10
6152	441534.4	3769555	2.51E-09	3.06E-09	0.00E+00	5.56E-09	2.83E-09	4.44E-09	0.00E+00	7.27E-09	4.74E-10	7.57E-10	0.00E+00	1.23E-09	2.07E-10	3.03E-10	0.00E+00	5.11E-10
6153	441525	3769554	2.49E-09	3.04E-09	0.00E+00	5.53E-09	2.81E-09	4.42E-09	0.00E+00	7.23E-09	4.71E-10	7.53E-10	0.00E+00	1.22E-09	2.06E-10	3.02E-10	0.00E+00	5.08E-10
6154	441515.6	3769553	2.48E-09	3.02E-09	0.00E+00	5.50E-09	2.79E-09	4.39E-09	0.00E+00	7.19E-09	4.69E-10	7.49E-10	0.00E+00	1.22E-09	2.05E-10	3.00E-10	0.00E+00	5.05E-10
6155	441506.2	3769552	2.47E-09	3.01E-09	0.00E+00	5.47E-09	2.78E-09	4.37E-09	0.00E+00	7.15E-09	4.66E-10	7.45E-10	0.00E+00	1.21E-09	2.04E-10	2.98E-10	0.00E+00	5.02E-10
6156	441496.8	3769551	2.45E-09	2.99E-09	0.00E+00	5.44E-09	2.76E-09	4.34E-09	0.00E+00	7.11E-09	4.63E-10	7.40E-10	0.00E+00	1.20E-09	2.03E-10	2.97E-10	0.00E+00	4.99E-10
6157	441487.4	3769551	2.44E-09	2.97E-09	0.00E+00	5.41E-09	2.75E-09	4.32E-09	0.00E+00	7.06E-09	4.61E-10	7.36E-10	0.00E+00	1.20E-09	2.01E-10	2.95E-10	0.00E+00	4.96E-10

6158	441478	3769550	2.42E-09	2.95E-09	0.00E+00	5.37E-09	2.73E-09	4.29E-09	0.00E+00	7.02E-09	4.58E-10	7.31E-10	0.00E+00	1.19E-09	2.00E-10	2.93E-10	0.00E+00	4.93E-10
6159	441468.6	3769549	2.40E-09	2.93E-09	0.00E+00	5.33E-09	2.71E-09	4.26E-09	0.00E+00	6.97E-09	4.54E-10	7.26E-10	0.00E+00	1.18E-09	1.99E-10	2.91E-10	0.00E+00	4.90E-10
6160	441459.2	3769548	2.39E-09	2.91E-09	0.00E+00	5.30E-09	2.69E-09	4.23E-09	0.00E+00	6.92E-09	4.51E-10	7.21E-10	0.00E+00	1.17E-09	1.97E-10	2.89E-10	0.00E+00	4.86E-10
6161	441449.8	3769547	2.37E-09	2.89E-09	0.00E+00	5.26E-09	2.67E-09	4.20E-09	0.00E+00	6.87E-09	4.48E-10	7.16E-10	0.00E+00	1.16E-09	1.96E-10	2.87E-10	0.00E+00	4.83E-10
6162	441440.4	3769546	2.36E-09	2.88E-09	0.00E+00	5.24E-09	2.66E-09	4.18E-09	0.00E+00	6.84E-09	4.46E-10	7.13E-10	0.00E+00	1.16E-09	1.95E-10	2.86E-10	0.00E+00	4.81E-10
6163	441177	3769522	2.21E-09	2.69E-09	0.00E+00	4.89E-09	2.49E-09	3.91E-09	0.00E+00	6.39E-09	4.17E-10	6.66E-10	0.00E+00	1.08E-09	1.82E-10	2.67E-10	0.00E+00	4.49E-10
6164	441167.6	3769521	2.20E-09	2.68E-09	0.00E+00	4.88E-09	2.48E-09	3.90E-09	0.00E+00	6.38E-09	4.16E-10	6.65E-10	0.00E+00	1.08E-09	1.82E-10	2.66E-10	0.00E+00	4.48E-10
6165	441158.2	3769520	2.20E-09	2.68E-09	0.00E+00	4.87E-09	2.47E-09	3.89E-09	0.00E+00	6.36E-09	4.15E-10	6.63E-10	0.00E+00	1.08E-09	1.82E-10	2.66E-10	0.00E+00	4.47E-10
6166	440802.6	3769440	2.04E-09	2.49E-09	0.00E+00	4.53E-09	2.30E-09	3.62E-09	0.00E+00	5.92E-09	3.86E-10	6.17E-10	0.00E+00	1.00E-09	1.69E-10	2.47E-10	0.00E+00	4.16E-10
6167	440785.1	3769407	2.12E-09	2.59E-09	0.00E+00	4.71E-09	2.39E-09	3.76E-09	0.00E+00	6.15E-09	4.01E-10	6.41E-10	0.00E+00	1.04E-09	1.75E-10	2.57E-10	0.00E+00	4.32E-10
6168	440780.7	3769398	2.14E-09	2.61E-09	0.00E+00	4.75E-09	2.41E-09	3.80E-09	0.00E+00	6.21E-09	4.05E-10	6.47E-10	0.00E+00	1.05E-09	1.77E-10	2.59E-10	0.00E+00	4.36E-10
6169	440776.3	3769390	2.16E-09	2.64E-09	0.00E+00	4.80E-09	2.44E-09	3.83E-09	0.00E+00	6.27E-09	4.09E-10	6.54E-10	0.00E+00	1.06E-09	1.79E-10	2.62E-10	0.00E+00	4.41E-10
6170	440758.7	3769357	2.24E-09	2.73E-09	0.00E+00	4.97E-09	2.53E-09	3.97E-09	0.00E+00	6.50E-09	4.24E-10	6.77E-10	0.00E+00	1.10E-09	1.85E-10	2.71E-10	0.00E+00	4.56E-10
6171	440754.4	3769348	2.26E-09	2.75E-09	0.00E+00	5.01E-09	2.55E-09	4.00E-09	0.00E+00	6.55E-09	4.27E-10	6.83E-10	0.00E+00	1.11E-09	1.87E-10	2.73E-10	0.00E+00	4.60E-10
6172	440750	3769340	2.28E-09	2.78E-09	0.00E+00	5.05E-09	2.57E-09	4.04E-09	0.00E+00	6.60E-09	4.31E-10	6.88E-10	0.00E+00	1.12E-09	1.88E-10	2.76E-10	0.00E+00	4.64E-10
6173	440745.6	3769331	2.30E-09	2.80E-09	0.00E+00	5.10E-09	2.59E-09	4.07E-09	0.00E+00	6.66E-09	4.34E-10	6.94E-10	0.00E+00	1.13E-09	1.90E-10	2.78E-10	0.00E+00	4.68E-10
6174	440736.8	3769315	2.34E-09	2.85E-09	0.00E+00	5.19E-09	2.64E-09	4.14E-09	0.00E+00	6.78E-09	4.42E-10	7.06E-10	0.00E+00	1.15E-09	1.93E-10	2.83E-10	0.00E+00	4.76E-10
6175	440662.2	3769172	2.84E-09	3.47E-09	0.00E+00	6.31E-09	3.20E-09	5.04E-09	0.00E+00	8.24E-09	5.37E-10	8.59E-10	0.00E+00	1.40E-09	2.35E-10	3.44E-10	0.00E+00	5.79E-10
6176	440653.5	3769156	2.90E-09	3.54E-09	0.00E+00	6.44E-09	3.27E-09	5.14E-09	0.00E+00	8.41E-09	5.49E-10	8.77E-10	0.00E+00	1.43E-09	2.40E-10	3.51E-10	0.00E+00	5.91E-10
6177	440649.1	3769147	2.93E-09	3.57E-09	0.00E+00	6.50E-09	3.30E-09	5.19E-09	0.00E+00	8.50E-09	5.54E-10	8.86E-10	0.00E+00	1.44E-09	2.42E-10	3.55E-10	0.00E+00	5.97E-10
6178	440644.7	3769139	2.96E-09	3.61E-09	0.00E+00	6.57E-09	3.34E-09	5.25E-09	0.00E+00	8.59E-09	5.60E-10	8.95E-10	0.00E+00	1.45E-09	2.45E-10	3.58E-10	0.00E+00	6.03E-10
6179	440640.3	3769131	2.99E-09	3.65E-09	0.00E+00	6.64E-09	3.37E-09	5.30E-09	0.00E+00	8.67E-09	5.65E-10	9.04E-10	0.00E+00	1.47E-09	2.47E-10	3.62E-10	0.00E+00	6.09E-10
6180	440635.9	3769122	3.02E-09	3.68E-09	0.00E+00	6.70E-09	3.40E-09	5.35E-09	0.00E+00	8.76E-09	5.71E-10	9.13E-10	0.00E+00	1.48E-09	2.50E-10	3.66E-10	0.00E+00	6.15E-10
6181	440631.5	3769114	3.05E-09	3.72E-09	0.00E+00	6.77E-09	3.44E-09	5.41E-09	0.00E+00	8.84E-09	5.77E-10	9.22E-10	0.00E+00	1.50E-09	2.52E-10	3.69E-10	0.00E+00	6.21E-10
6182	440627.2	3769106	3.08E-09	3.76E-09	0.00E+00	6.84E-09	3.47E-09	5.46E-09	0.00E+00	8.93E-09	5.82E-10	9.31E-10	0.00E+00	1.51E-09	2.55E-10	3.73E-10	0.00E+00	6.28E-10
6183	440622.8	3769097	3.11E-09	3.79E-09	0.00E+00	6.91E-09	3.51E-09	5.52E-09	0.00E+00	9.02E-09	5.88E-10	9.40E-10	0.00E+00	1.53E-09	2.57E-10	3.77E-10	0.00E+00	6.34E-10
6184	440618.4	3769089	3.14E-09	3.83E-09	0.00E+00	6.98E-09	3.54E-09	5.57E-09	0.00E+00	9.12E-09	5.94E-10	9.50E-10	0.00E+00	1.54E-09	2.60E-10	3.81E-10	0.00E+00	6.40E-10
6185	440614	3769080	3.18E-09	3.87E-09	0.00E+00	7.05E-09	3.58E-09	5.63E-09	0.00E+00	9.21E-09	6.00E-10	9.59E-10	0.00E+00	1.56E-09	2.63E-10	3.84E-10	0.00E+00	6.47E-10
6186	440609.6	3769072	3.21E-09	3.91E-09	0.00E+00	7.12E-09	3.61E-09	5.68E-09	0.00E+00	9.30E-09	6.06E-10	9.69E-10	0.00E+00	1.58E-09	2.65E-10	3.88E-10	0.00E+00	6.53E-10
6187	440605.2	3769064	3.24E-09	3.95E-09	0.00E+00	7.19E-09	3.65E-09	5.74E-09	0.00E+00	9.39E-09	6.12E-10	9.78E-10	0.00E+00	1.59E-09	2.68E-10	3.92E-10	0.00E+00	6.60E-10
6188	440600.8	3769055	3.27E-09	3.98E-09	0.00E+00	7.25E-09	3.68E-09	5.79E-09	0.00E+00	9.48E-09	6.18E-10	9.88E-10	0.00E+00	1.61E-09	2.70E-10	3.96E-10	0.00E+00	6.66E-10
6189	440596.5	3769047	3.30E-09	4.02E-09	0.00E+00	7.32E-09	3.72E-09	5.85E-09	0.00E+00	9.57E-09	6.24E-10	9.97E-10	0.00E+00	1.62E-09	2.73E-10	3.99E-10	0.00E+00	6.72E-10
6190	440570.1	3768997	3.48E-09	4.25E-09	0.00E+00	7.73E-09	3.93E-09	6.18E-09	0.00E+00	1.01E-08	6.59E-10	1.05E-09	0.00E+00	1.71E-09	2.88E-10	4.22E-10	0.00E+00	7.10E-10
6191	440565.8	3768988	3.51E-09	4.28E-09	0.00E+00	7.80E-09	3.96E-09	6.23E-09	0.00E+00	1.02E-08	6.64E-10	1.06E-09	0.00E+00	1.73E-09	2.91E-10	4.25E-10	0.00E+00	7.16E-10
6192	440561.4	3768980	3.54E-09	4.32E-09	0.00E+00	7.86E-09	3.99E-09	6.28E-09	0.00E+00	1.03E-08	6.70E-10	1.07E-09	0.00E+00	1.74E-09	2.93E-10	4.29E-10	0.00E+00	7.22E-10
6193	440557	3768972	3.57E-09	4.36E-09	0.00E+00	7.93E-09	4.03E-09	6.33E-09	0.00E+00	1.04E-08	6.75E-10	1.08E-09	0.00E+00	1.75E-09	2.95E-10	4.32E-10	0.00E+00	7.28E-10
6194	440548.2	3768955	3.63E-09	4.43E-09	0.00E+00	8.06E-09	4.09E-09	6.43E-09	0.00E+00	1.05E-08	6.86E-10	1.10E-09	0.00E+00	1.78E-09	3.00E-10	4.39E-10	0.00E+00	7.39E-10
6195	441178.9	3769558	2.06E-09	2.51E-09	0.00E+00	4.56E-09	2.32E-09	3.64E-09	0.00E+00	5.96E-09	3.89E-10	6.21E-10	0.00E+00	1.01E-09	1.70E-10	2.49E-10	0.00E+00	4.19E-10
6196	441169.6	3769557	2.05E-09	2.51E-09	0.00E+00	4.56E-09	2.32E-09	3.64E-09	0.00E+00	5.96E-09	3.88E-10	6.21E-10	0.00E+00	1.01E-09	1.70E-10	2.49E-10	0.00E+00	4.19E-10
6197	441160.3	3769556	2.05E-09	2.50E-09	0.00E+00	4.56E-09	2.31E-09	3.64E-09	0.00E+00	5.95E-09	3.88E-10	6.20E-10	0.00E+00	1.01E-09	1.70E-10	2.49E-10	0.00E+00	4.18E-10
6198	440759	3769433	1.99E-09	2.42E-09	0.00E+00	4.41E-09	2.24E-09	3.52E-09	0.00E+00	5.76E-09	3.76E-10	6.01E-10	0.00E+00	9.77E-10	1.64E-10	2.41E-10	0.00E+00	4.05E-10
6199	440750.3	3769416	2.02E-09	2.47E-09	0.00E+00	4.49E-09	2.28E-09	3.58E-09	0.00E+00	5.86E-09	3.82E-10	6.11E-10	0.00E+00	9.93E-10	1.67E-10	2.45E-10	0.00E+00	4.12E-10
6200	440745.9	3769408	2.04E-09	2.49E-09	0.00E+00	4.53E-09	2.30E-09	3.62E-09	0.00E+00	5.92E-09	3.86E-10	6.17E-10	0.00E+00	1.00E-09	1.69E-10	2.47E-10	0.00E+00	4.16E-10
6201	440737.3	3769391	2.08E-09	2.53E-09	0.00E+00	4.61E-09	2.34E-09	3.68E-09	0.00E+00	6.02E-09	3.93E-10	6.27E-10	0.00E+00	1.02E-09	1.72E-10	2.51E-10	0.00E+00	4.23E-10
6202	440702.6	3769325	2.22E-09	2.71E-09	0.00E+00	4.92E-09	2.50E-09	3.93E-09	0.00E+00	6.43E-09	4.19E-10	6.70E-10	0.00E+00	1.09E-09	1.83E-10	2.69E-10	0.00E+00	4.52E-10
6203	440620.1	3769168	2.73E-09	3.33E-09	0.00E+00	6.06E-09	3.08E-09	4.84E-09	0.00E+00	7.92E-09	5.16E-10	8.25E-10	0.00E+00	1.34E-09	2.26E-10	3.30E-10	0.00E+00	5.56E-10
6204	440611.4	3769151	2.78E-09	3.39E-09	0.00E+00	6.17E-09	3.14E-09	4.93E-09	0.00E+00	8.07E-09	5.26E-10	8.41E-10	0.00E+00	1.37E-09	2.30E-10	3.37E-10	0.00E+00	5.67E-10
6205	440607.1	3769143	2.81E-09	3.42E-09	0.00E+00	6.23E-09	3.17E-09	4.98E-09	0.00E+00	8.14E-09	5.31E-10	8.48E-10	0.00E+00	1.38E-09	2.32E-10	3.40E-10	0.00E+00	5.72E-10
6206	440602.8	3769135	2.84E-09	3.46E-09	0.00E+00	6.29E-09	3.20E-09	5.02E-09	0.00E+00	8.22E-09	5.36E-10	8.57E-10	0.00E+00	1.39E-09	2.34E-10	3.43E-10	0.00E+00	5.78E-10
6207	440598.4	3769126	2.86E-09	3.49E-09	0.00E+00	6.35E-09	3.23E-09	5.07E-09	0.00E+00	8.30E-09	5.41E-10	8.65E-10	0.00E+00	1.41E-09	2.37E-10	3.46E-10	0.00E+00	5.83E-10
6208	440594.1	3769118	2.89E-09	3.52E-09	0.00E+00	6.41E-09	3.26E-09	5.12E-09	0.00E+00	8.38E-09	5.46E-10	8.73E-10	0.00E+00	1.42E-09	2.39E-10	3.50E-10	0.00E+00	5.89E-10
6209	440589.7	3769110	2.92E-09	3.56E-09	0.00E+00	6.48E-09	3.29E-09	5.17E-09	0.00E+00	8.46E-09	5.52E-10	8.82E-10	0.00E+00	1.43E-09	2.41E-10	3.53E-10	0.00E+00	5.95E-10
6210	440585.4	3769102	2.95E-09	3.59E-09	0.00E+00	6.54E-09	3.32E-09	5.22E-09	0.00E+00	8.54E-09	5.57E-10	8.90E-10	0.00E+00	1.45E-09	2.44E-10	3.57E-10	0.00E+00	6.00E-10
6211	440581.1	3769093	2.97E-09	3.63E-09	0.00E+00	6.60E-09	3.35E-09	5.27E-09	0.00E+00	8.62E-09	5.62E-10	8.98E-10	0.00E+00	1.46E-09	2.46E-10	3.60E-10	0.00E+00	6.06E-10
6212	440576.7	3769085	3.00E-09	3.66E-09	0.00E+00	6.66E-09	3.38E-09	5.32E-09	0.00E+00	8.70E-09	5.67E-10	9.07E-10	0.00E+00	1.47E-09	2.48E-10	3.63E-10	0.00E+00	6.11E-10
6213	440572.4	3769077	3.03E-09	3.69E-09	0.00E+00	6.72E-09	3.41E-09	5.37E-09	0.00E+00	8.78E-09	5.73E-10	9.15E-10	0.00E+00	1.49E-09	2.50E-10	3.67E-10	0.00E+00	6.17E-10
6214	440568.1	3769069	3.06E-09	3.73E-09	0.00E+00	6.78E-09	3.44E-09	5.42E-09	0.00E+00	8.86E-09	5.78E-10	9.23E-10	0.00E+00	1.50E-09	2.53E-10	3.70E-10	0.00E+00	6.23E-10
6215	440563.7	3769060	3.08E-09	3.76E-09	0.00E+00	6.84E-09	3.48E-09	5.46E-09	0.00E+00	8.94E-09	5.83E-10	9.32E-10	0.00E+00	1.51E-09	2.55E-10	3.73E-10	0.00E+00	6.28E-10
6216	440559.4	3769052	3.11E-09	3.79E-09	0.00E+00	6.90E-09	3.51E-09	5.51E-09	0.00E+00	9.02E-09	5.88E-10	9.40E-10	0.00E+00	1.53E-09	2.57E-10	3.76E-10	0.00E+00	6.34E-10
6217	440555	3769044	3.14E-09	3.83E-09	0.00E+00	6.96E-09	3.54E-09	5.56E-09	0.00E+00	9.10E-09	5.93E-10	9.48E-10	0.00E+00	1.54E-09	2.59E-10	3.80E-10	0.00E+00	6.39E-10
6218	440550.7	3769035	3.17E-09	3.86E-09	0.00E+00	7.03E-09	3.57E-09	5.61E-09	0.00E+00	9.18E-09	5.99E-10	9.57E-10	0.00E+00	1.56E-09	2.62E-10	3.83E-10	0.00E+00	6.45E-10
6219	440710.6	3769416	1.94E-09	2.37E-09	0.00E+00	4.32E-09	2.19E-09	3.45E-09	0.00E+00	5.64E-09	3.68E-10	5.88E-10	0.00E+00	9.55E-10	1.61E-10	2.35E-10	0.00E+00	3.96E-10
6220	440706.3	3769408	1.96E-09	2.39E-09	0.00E+00	4.35E-09	2.21E-09	3.48E-09	0.00E+00	5.69E-09	3.71E-10	5.93E-10	0.00E+00	9.63E-10	1.62E-10	2.37E-10	0.00E+00	4.00E-10
6221	440701.9	3769400	1.98E-09	2.41E-09	0.00E+00	4.39E-09	2.23E-09	3.50E-09	0.00E+00	5.73E-09	3.74E-10	5.97E-10	0.00E+00	9.71E-10	1.63E-10	2.39E-10	0.00E+00	4.03E-10
6222	440697.6	3769391	1.99E-09	2.43E-09	0.00E+00	4.42E-09	2.25E-09	3.53E-09	0.00E+00	5.78E-09	3.77E-10	6.02E-10	0.00E+00	9.79E-10	1.65E-10	2.41E-10	0.00E+00	4.06E-10
6223	440680.2	3769358	2.07E-09	2.52E-09	0.00E+00	4.58E-09	2.33E-09	3.66E-09	0.00E+00	5.99E-09	3.90E-10	6.24E-10	0.00E+00	1.01E-09	1.71E-10	2.50E-10	0.00E+00	4.21E-10
6224	440675.9	3769350	2.09E-09	2.54E-09	0.00E+00	4.63E-09	2.35E-09	3.70E-09	0.00E+00	6.05E-09	3.94E-10	6.30E-10	0.00E+00	1.02E-09	1.72E-10	2.52E-10	0.00E+00	4.25E-10
6225	440671.5	3769342	2.11E-09	2.57E-09	0.00E+00	4.67E-09	2.37E-09	3.73E-09	0.00E+00	6.10E-09	3.98E-10	6.36E-10	0.00E+00	1.03E-09	1.74E-10	2.55E-10	0.00E+00	4.29E-10
6226	440662.8	3769325	2.14E-09	2.61E-09	0.00E+00	4.76E-09	2.42E-09	3.80E-09	0.00E+00	6.22E-09	4.05E-10	6.48E-10	0.00E+00	1.05E-09	1.77E-10	2.60E-10	0.00E+00	4.37E-10
6227	440580.3	3769168	2.61E-09	3.18E-09	0.00E+00	5.79E-09	2.94E-09	4.62E-09	0.00E+00	7.56E-09	4.93E-10	7.88E-10	0.00E+00	1.28E-09	2.16E-10	3.16E-10	0.00E+00	5.31E-10
6228	440571.6	3769151	2.66E-09	3.24E-09	0.00E+00	5.90E-09	2.99E-09	4.71E-09	0.00E+00	7.70E-09	5.02E-10	8.03E-10	0.00E+00	1.30E-09	2.20E-10	3.22E-10	0.00E+00	5.41E-10
6229	440567.3	3769143	2.68E-09	3.27E-09	0.00E+00	5.95E-09	3.02E-09	4.75E-09	0.00E+00	7.77E-09	5.07E-10	8.10E-10	0.00E+00	1.32E-09	2.22E-10	3.25E-10	0.00E+00	5.46E-10
6230	440563	3769134	2.71E-09	3.30E-09	0.00E+00	6.01E-09	3.05E-09	4.80E-09	0.00E+00	7.85E-09	5.12E-10	8.18E-10	0.00E+00	1.33E-09	2.24E-10	3.28E-10	0.00E+00	5.51E-10
6231	440558.6	3769126	2.73E-09	3.33E-09	0.00E+00	6.06E-09	3.08E-09	4.84E-09	0.00E+00	7.92E-09	5.16E-10	8.25E-10	0.00E+00	1.34E-09	2.26E-10	3.31E-10	0.00E+00	5.56E-10
6232	440554.3	3769118	2.76E-09	3.36E-09	0.00E+00	6.12E-09	3.11E-09	4.89E-09	0.00E+00	7.99E-09	5.21E-10	8.33E-10	0.00E+00	1.35E-09	2.28E-10	3.34E-10	0.00E+00	5.62E-10
6233	440549.9	3769110	2.78E-09	3.39E-09	0.00E+00	6.17E-09	3.14E-09	4.93E-09	0.00E+00	8.07E-09	5.26E-10	8.40E-10	0.00E+00	1.37E-09	2.30E-10	3.37E-10	0.00E+00	5.67E-10
6234	440545.6	3769101	2.81E-09	3.42E-09	0.00E+00	6.23E-09	3.16E-09	4.97E-09	0.00E+00	8.14E-09	5.31E-10	8.48E-10	0.00E+00	1.38E-09	2.32E-10	3.40E-10	0.00E+00	5.72E-10
6235	440541.2	3769093	2.83E-09	3.45E-09	0.00E+00	6.28E-09	3.19E-09	5.02E-09	0.00E+00	8.21E-09	5.35E-10	8.55E-10	0.00E+00	1.39E-09	2.34E-10	3.43E-10	0.00E+00	5.77E-10
6236	440536.9	3769085	2.86E-09	3.48E-09	0.00E+00	6.34E-09	3.22E-09	5.06E-09	0.00E+00	8.28E-09	5.40E-10	8.63E-10	0.00E+00	1.40E-09	2.36E-10	3.46E-10	0.00E+00	5.82E-10
6237	440532.5	3769076	2.88E-09	3.51E-09	0.00E+00	6.39E-09	3.25E-09	5.10E-09	0.00E+00	8.35E-09	5.44E-10	8.70E-10	0.00E+00	1.41E-09	2.38E-10	3.48E-10	0.00E+00	5.87E-10
6238	440528.2	3769068	2.90E-09	3.54E-09	0.00E+00	6.44E-09	3.27E-09	5.15E-09	0.00E+00	8.42E-09	5.49E-10	8.77E-10	0.00E+00	1.43E-09	2.40E-10	3.51E-10	0.00E+00	5.91E-10
6239	440523.9	3769060	2.93E-09	3.57E-09	0.00E+00	6.50E-09	3.30E-09	5.19E-09	0.00E+00	8.49E-09	5.54E-10	8.85E-10	0.00E+00	1.44E-09	2.42E-10	3.54E-10	0.00E+00	5.96E-10
6240	440519.5	3769052	2.95E-09	3.60E-09	0.00E+00	6.55E-09	3.33E-09	5.23E-09	0.00E+00	8.56E-09	5.58E-10	8.92E-10	0.00E+00	1.45E-09	2.44E-10	3.57E-10	0.00E+00	6.01E-10
6241	440515.2	3769043	2.98E-09	3.63E-09	0.00E+00	6.61E-09	3.36E-09	5.27E-09	0.00E+00	8.63E-09	5.63E-10	8.99E-10	0.00E+00	1.46E-09	2.46E-10	3.60E-10	0.00E+00	6.06E-10
6242	440510.8	3769035	3.00E-09	3.66E-09	0.00E+00	6.66E-09	3.38E-09	5.32E-09	0.00E+00	8.70E-09	5.67E-10	9.07E-10	0.00E+00	1.47E-09	2.48E-10	3.63E-10	0.00E+00	6.11E-10
6243	441511.9	3769212	6.75E-09	8.23E-09	0.00E+00	1.50E-08	7.61E-09	1.20E-08	0.00E+00	1.96E-08	1.28E-09	2.04E-09	0.00E+00	3.31E-09	5.58E-10	8.17E-10	0.00E+00	1.37E-09
6244	441527.1	3769249	5.96E-09	7.26E-09	0.00E+00	1.32E-08	6.72E-09	1.06E-08	0.00E+00	1.73E-08	1.13E-09	1.80E-09	0.00E+00	2.93E-09	4.93E-10	7.21E-10	0.00E+00	1.21E-09
6245	441536	3769245	6.09E-09	7.42E-09	0.00E+00	1.35E-08	6.86E-09	1.08E-08	0.00E+00	1.77E-08	1.15E-09	1.84E-09	0.00E+00	2.99E-09	5.03E-10	7.37E-10	0.00E+00	1.24E-09
6246	441545	3769242	6.23E-09	7.59E-09	0.00E+00	1.38E-08	7.02E-09	1.10E-08	0.00E+00	1.80E-08	1.18E-09	1.88E-09	0.00E+00	3.06E-09	5.15E-10	7.53E-10	0.00E+00	1.27E-09
6247	441553.9	3769238	6.37E-09	7.76E-09	0.00E+00	1.41E-08	7.18E-09	1.13E-08	0.00E+00	1.85E-08	1.20E-09	1.92E-09	0.00E+00	3.13E-09	5.26E-10	7.71E-10	0.00E+00	1.30E-09
6248	441562.9	3769234	6.51E-09	7.94E-09	0.00E+00	1.45E-08	7.34E-09	1.15E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.38E-10	7.88E-10	0.00E+00	1.33E-09
6249	441571.8	3769231	6.66E-09	8.12E-09	0.00E+00	1.48E-08	7.51E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.01E-09	0.00E+00	3.27E-09	5.51E-10	8.06E-10	0.00E+00	1.36E-09
6250	441580.8	3769227	6.81E-09	8.31E-09	0.00E+00	1.51E-08	7.68E-09	1.21E-08	0.00E+00	1.98E-08	1.29E-09	2.06E-09	0.00E+00	3.35E-09	5.63E-10	8.25E-10	0.00E+00	1.39E-09
6251	441589.7	3769223	6.97E-09	8.50E-09	0.00E+00	1.55E-08	7.86E-09	1.24E-08	0.00E+00	2.02E-08	1.32E-09	2.11E-09	0.00E+00	3.42E-09	5.76E-10	8.44E-10	0.00E+00	1.42E-09
6252	441598.7	3769220	7.13E-09	8.69E-09	0.00E+00	1.58E-08	8.04E-09	1.26E-08	0.00E+00	2.07E-08	1.35E-09	2.15E-09	0.00E+00	3.50E-09	5.90E-10	8.63E-10	0.00E+00	1.45E-09
6253	441607.6	3769216	7.29E-09	8.89E-09	0.00E+00	1.62E-08	8.22E-09	1.29E-08	0.00E+00	2.11E-08	1.38E-09	2.20E-09	0.00E+00	3.58E-09	6.03E-10	8.82E-10	0.00E+00	1.49E-09
6254	441542.2	3769286	5.20E-09	6.33E-09	0.00E+00	1.15E-08	5.86E-09	9.21E-09	0.00E+00	1.51E-08	9.82E-10	1.57E-09	0.00E+00	2.55E-09	4.30E-10	6.29E-10	0.00E+00	1.06E-09
6255	441551.2	3769282	5.31E-09	6.47E-09	0.00E+00	1.18E-08	5.98E-09	9.41E-09	0.00E+00	1.54E-08	1.00E-09	1.60E-09	0.00E+00	2.61E-09	4.39E-10	6.43E-10	0.00E+00	1.08E-09
6256	441560.2	3769279	5.43E-09	6.61E-09	0.00E+00	1.20E-08	6.12E-09	9.61E-09	0.00E+00	1.57E-08	1.03E-09	1.64E-09	0.00E+00	2.66E-09	4.49E-10	6.57E-10	0.00E+00	1.11E-09
6257	441569.1	3769275	5.54E-09	6.76E-09	0.00E+00	1.23E-08	6.25E-09	9.82E-09	0.00E+00	1.61E-08	1.05E-09	1.67E-09	0.00E+00	2.72E-09	4.58E-10	6.71E-10	0.00E+00	1.13E-09
6258	441578.1	3769271	5.67E-09	6.91E-09	0.00E+00	1.26E-08	6.39E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.79E-09	4.69E-10	6.86E-10	0.00E+00	1.16E-09
6259	441587	3769268	5.88E-09	7.17E-09	0.00E+00	1.30E-08	6.63E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.78E-09	0.00E+00	2.89E-09	4.86E-10	7.11E-10	0.00E+00	1.20E-09
6260	441596	3769264	6.01E-09	7.32E-09	0.00E+00	1.33E-08	6.77E-09	1.06E-08	0.00E+00	1.74E-08	1.14E-09	1.81E-09	0.00E+00	2.95E-09	4.97E-10	7.27E-10	0.00E+00	1.22E-09
6261	441604.9	3769260	6.13E-09	7.48E-09	0.00E+00	1.36E-08	6.91E-09	1.09E-08	0.00E+00	1.78E-08	1.16E-09	1.85E-09	0.00E+00	3.01E-09	5.07E-10	7.42E-10	0.00E+00	1.25E-09
6262	441613.9	3769257	6.26E-09	7.63E-09	0.00E+00	1.39E-08	7.05E-09	1.11E-08	0.00E+00	1.81E-08	1.18E-09	1.89E-09	0.00E+00	3.07E-09	5.17E-10	7.57E-10	0.00E+00	1.27E-09
6263	441622.8	3769253	6.39E-09	7.79E-09	0.00E+00	1.42E-08	7.20E-09	1.13E-08	0.00E+00	1.85E-08	1.21E-09	1.93E-09	0.00E+00	3.14E-09	5.28E-10	7.73E-10	0.00E+00	1.30E-09
6264	441631.8	3769249	6.52E-09	7.95E-09	0.00E+00	1.45E-08	7.35E-09	1.16E-08	0.00E+00	1.89E-08	1.23E-09	1.97E-09	0.00E+00	3.20E-09	5.39E-10	7.89E-10	0.00E+00	1.33E-09
6265	441640.7	3769246	6.66E-09	8.11E-09	0.00E+00	1.48E-08	7.50E-09	1.18E-08	0.00E+00	1.93E-08	1.26E-09	2.01E-09	0.00E+00	3.27E-09	5.50E-10	8.05E-10	0.00E+00	1.36E-09
6266	441649.7	3769242	6.79E-09	8.28E-09	0.00E+00	1.51E-08	7.65E-09	1.20E-08	0.00E+00	1.97E-08	1.28E-09	2.05E-09	0.00E+00	3.33E-09	5.61E-10	8.22E-10	0.00E+00	1.38E-09
6267	441658.6	3769238	6.92E-09	8.44E-09	0.00E+00	1.54E-08	7.80E-09	1.23E-08	0.00E+00	2.01E-08	1.31E-09	2.09E-09	0.00E+00	3.40E-09	5.72E-10	8.38E-10	0.00E+00	1.41E-09
6268	441667.6	3769235	7.07E-09	8.62E-09	0.00E+00	1.57E-08	7.97E-09	1.25E-08	0.00E+00	2.05E-08	1.34E-09	2.14E-09	0.00E+00	3.47E-09	5.85E-10	8.56E-10	0.00E+00	1.44E-09
6269	441566.4	3769319	4.74E-09	5.78E-09	0.00E+00	1.05E-08	5.34E-09	8.40E-09	0.00E+00	1.37E-08	8.96E-10	1.43E-09	0.00E+00	2.33E-09	3.92E-10	5.73E-10	0.00E+00	9.65E-10

6270	441575.3	3769316	4.85E-09	5.91E-09	0.00E+00	1.08E-08	5.47E-09	8.59E-09	0.00E+00	1.41E-08	9.17E-10	1.47E-09	0.00E+00	2.38E-09	4.01E-10	5.87E-10	0.00E+00	9.88E-10
6271	441584.3	3769312	4.96E-09	6.05E-09	0.00E+00	1.10E-08	5.60E-09	8.80E-09	0.00E+00	1.44E-08	9.38E-10	1.50E-09	0.00E+00	2.44E-09	4.10E-10	6.01E-10	0.00E+00	1.01E-09
6272	441593.2	3769308	5.08E-09	6.19E-09	0.00E+00	1.13E-08	5.72E-09	8.99E-09	0.00E+00	1.47E-08	9.59E-10	1.53E-09	0.00E+00	2.49E-09	4.20E-10	6.14E-10	0.00E+00	1.03E-09
6273	441602.2	3769305	5.18E-09	6.32E-09	0.00E+00	1.15E-08	5.84E-09	9.18E-09	0.00E+00	1.50E-08	9.79E-10	1.57E-09	0.00E+00	2.54E-09	4.28E-10	6.27E-10	0.00E+00	1.06E-09
6274	441611.1	3769301	5.28E-09	6.43E-09	0.00E+00	1.17E-08	5.95E-09	9.35E-09	0.00E+00	1.53E-08	9.98E-10	1.59E-09	0.00E+00	2.59E-09	4.36E-10	6.39E-10	0.00E+00	1.07E-09
6275	441620.1	3769297	5.37E-09	6.55E-09	0.00E+00	1.19E-08	6.05E-09	9.52E-09	0.00E+00	1.56E-08	1.02E-09	1.62E-09	0.00E+00	2.64E-09	4.44E-10	6.50E-10	0.00E+00	1.09E-09
6276	441629	3769294	5.46E-09	6.66E-09	0.00E+00	1.21E-08	6.16E-09	9.68E-09	0.00E+00	1.58E-08	1.03E-09	1.65E-09	0.00E+00	2.68E-09	4.52E-10	6.61E-10	0.00E+00	1.11E-09
6277	441638	3769290	5.56E-09	6.77E-09	0.00E+00	1.23E-08	6.26E-09	9.84E-09	0.00E+00	1.61E-08	1.05E-09	1.68E-09	0.00E+00	2.73E-09	4.59E-10	6.72E-10	0.00E+00	1.13E-09
6278	441646.9	3769286	5.66E-09	6.90E-09	0.00E+00	1.26E-08	6.38E-09	1.00E-08	0.00E+00	1.64E-08	1.07E-09	1.71E-09	0.00E+00	2.78E-09	4.68E-10	6.85E-10	0.00E+00	1.15E-09
6279	441655.9	3769283	5.77E-09	7.03E-09	0.00E+00	1.28E-08	6.50E-09	1.02E-08	0.00E+00	1.67E-08	1.09E-09	1.74E-09	0.00E+00	2.83E-09	4.77E-10	6.98E-10	0.00E+00	1.17E-09
6280	441664.9	3769279	5.88E-09	7.16E-09	0.00E+00	1.30E-08	6.62E-09	1.04E-08	0.00E+00	1.70E-08	1.11E-09	1.77E-09	0.00E+00	2.89E-09	4.86E-10	7.11E-10	0.00E+00	1.20E-09
6281	441673.8	3769275	6.11E-09	7.45E-09	0.00E+00	1.36E-08	6.89E-09	1.08E-08	0.00E+00	1.77E-08	1.16E-09	1.85E-09	0.00E+00	3.00E-09	5.05E-10	7.40E-10	0.00E+00	1.24E-09
6282	441682.8	3769272	6.23E-09	7.60E-09	0.00E+00	1.38E-08	7.03E-09	1.10E-08	0.00E+00	1.81E-08	1.18E-09	1.88E-09	0.00E+00	3.06E-09	5.15E-10	7.54E-10	0.00E+00	1.27E-09
6283	441581.5	3769356	4.34E-09	5.29E-09	0.00E+00	9.63E-09	4.89E-09	7.69E-09	0.00E+00	1.26E-08	8.21E-10	1.31E-09	0.00E+00	2.13E-09	3.59E-10	5.25E-10	0.00E+00	8.84E-10
6284	441590.5	3769353	4.43E-09	5.40E-09	0.00E+00	9.83E-09	4.99E-09	7.85E-09	0.00E+00	1.28E-08	8.38E-10	1.34E-09	0.00E+00	2.18E-09	3.66E-10	5.36E-10	0.00E+00	9.03E-10
6285	441599.5	3769349	4.57E-09	5.57E-09	0.00E+00	1.01E-08	5.15E-09	8.10E-09	0.00E+00	1.33E-08	8.64E-10	1.38E-09	0.00E+00	2.25E-09	3.78E-10	5.53E-10	0.00E+00	9.32E-10
6286	441608.4	3769345	4.66E-09	5.68E-09	0.00E+00	1.03E-08	5.25E-09	8.25E-09	0.00E+00	1.35E-08	8.80E-10	1.41E-09	0.00E+00	2.29E-09	3.85E-10	5.64E-10	0.00E+00	9.49E-10
6287	441617.4	3769342	4.74E-09	5.78E-09	0.00E+00	1.05E-08	5.35E-09	8.41E-09	0.00E+00	1.38E-08	8.97E-10	1.43E-09	0.00E+00	2.33E-09	3.92E-10	5.74E-10	0.00E+00	9.66E-10
6288	441626.3	3769338	4.83E-09	5.89E-09	0.00E+00	1.07E-08	5.45E-09	8.56E-09	0.00E+00	1.40E-08	9.13E-10	1.46E-09	0.00E+00	2.37E-09	3.99E-10	5.85E-10	0.00E+00	9.84E-10
6289	441635.3	3769334	4.91E-09	5.99E-09	0.00E+00	1.09E-08	5.54E-09	8.71E-09	0.00E+00	1.42E-08	9.29E-10	1.48E-09	0.00E+00	2.41E-09	4.06E-10	5.95E-10	0.00E+00	1.00E-09
6290	441644.2	3769331	4.99E-09	6.09E-09	0.00E+00	1.11E-08	5.63E-09	8.85E-09	0.00E+00	1.45E-08	9.44E-10	1.51E-09	0.00E+00	2.45E-09	4.13E-10	6.05E-10	0.00E+00	1.02E-09
6291	441653.2	3769327	5.00E-09	6.10E-09	0.00E+00	1.11E-08	5.64E-09	8.86E-09	0.00E+00	1.45E-08	9.46E-10	1.51E-09	0.00E+00	2.46E-09	4.14E-10	6.05E-10	0.00E+00	1.02E-09
6292	441662.1	3769323	5.07E-09	6.18E-09	0.00E+00	1.13E-08	5.72E-09	8.98E-09	0.00E+00	1.47E-08	9.59E-10	1.53E-09	0.00E+00	2.49E-09	4.19E-10	6.14E-10	0.00E+00	1.03E-09
6293	441671.1	3769320	5.14E-09	6.26E-09	0.00E+00	1.14E-08	5.79E-09	9.10E-09	0.00E+00	1.49E-08	9.71E-10	1.55E-09	0.00E+00	2.52E-09	4.25E-10	6.22E-10	0.00E+00	1.05E-09
6294	441680	3769316	5.21E-09	6.35E-09	0.00E+00	1.16E-08	5.87E-09	9.23E-09	0.00E+00	1.51E-08	9.85E-10	1.57E-09	0.00E+00	2.56E-09	4.31E-10	6.30E-10	0.00E+00	1.06E-09
6295	441689	3769312	5.29E-09	6.44E-09	0.00E+00	1.17E-08	5.96E-09	9.37E-09	0.00E+00	1.53E-08	9.99E-10	1.60E-09	0.00E+00	2.60E-09	4.37E-10	6.40E-10	0.00E+00	1.08E-09
6296	441697.9	3769309	5.38E-09	6.56E-09	0.00E+00	1.19E-08	6.07E-09	9.54E-09	0.00E+00	1.56E-08	1.02E-09	1.63E-09	0.00E+00	2.64E-09	4.45E-10	6.52E-10	0.00E+00	1.10E-09
6297	441713.9	3769475	3.44E-09	4.20E-09	0.00E+00	7.64E-09	3.88E-09	6.10E-09	0.00E+00	9.98E-09	6.51E-10	1.04E-09	0.00E+00	1.69E-09	2.85E-10	4.17E-10	0.00E+00	7.01E-10
6298	441722.8	3769471	3.49E-09	4.26E-09	0.00E+00	7.75E-09	3.94E-09	6.19E-09	0.00E+00	1.01E-08	6.60E-10	1.05E-09	0.00E+00	1.72E-09	2.89E-10	4.23E-10	0.00E+00	7.11E-10
6299	441731.8	3769468	3.54E-09	4.32E-09	0.00E+00	7.86E-09	3.99E-09	6.28E-09	0.00E+00	1.03E-08	6.70E-10	1.07E-09	0.00E+00	1.74E-09	2.93E-10	4.29E-10	0.00E+00	7.22E-10
6300	441740.7	3769464	3.60E-09	4.38E-09	0.00E+00	7.98E-09	4.05E-09	6.37E-09	0.00E+00	1.04E-08	6.80E-10	1.09E-09	0.00E+00	1.77E-09	2.97E-10	4.35E-10	0.00E+00	7.33E-10
6301	441269.9	3768508	8.73E-08	1.06E-07	0.00E+00	1.94E-07	9.85E-08	1.55E-07	0.00E+00	2.53E-07	1.65E-08	2.64E-08	0.00E+00	4.29E-08	7.22E-09	1.06E-08	0.00E+00	1.78E-08
6302	441270.6	3768495	7.98E-08	9.73E-08	0.00E+00	1.77E-07	9.00E-08	1.41E-07	0.00E+00	2.31E-07	1.51E-08	2.41E-08	0.00E+00	3.92E-08	6.60E-09	9.66E-09	0.00E+00	1.63E-08
6303	441465.3	3768466	5.37E-08	6.55E-08	0.00E+00	1.19E-07	6.05E-08	9.51E-08	0.00E+00	1.56E-07	1.02E-08	1.62E-08	0.00E+00	2.64E-08	4.44E-09	6.50E-09	0.00E+00	1.09E-08
6304	441465.9	3768476	5.85E-08	7.13E-08	0.00E+00	1.30E-07	6.59E-08	1.04E-07	0.00E+00	1.70E-07	1.11E-08	1.77E-08	0.00E+00	2.87E-08	4.84E-09	7.08E-09	0.00E+00	1.19E-08
6305	441466.5	3768490	6.74E-08	8.22E-08	0.00E+00	1.50E-07	7.60E-08	1.19E-07	0.00E+00	1.95E-07	1.27E-08	2.04E-08	0.00E+00	3.31E-08	5.58E-09	8.16E-09	0.00E+00	1.37E-08
6306	441465.9	3768501	7.95E-08	9.70E-08	0.00E+00	1.77E-07	8.97E-08	1.41E-07	0.00E+00	2.31E-07	1.50E-08	2.40E-08	0.00E+00	3.91E-08	6.58E-09	9.63E-09	0.00E+00	1.62E-08
6307	441462.7	3768513	1.01E-07	1.23E-07	0.00E+00	2.24E-07	1.14E-07	1.79E-07	0.00E+00	2.92E-07	1.91E-08	3.04E-08	0.00E+00	4.95E-08	8.33E-09	1.22E-08	0.00E+00	2.05E-08
6308	441512.7	3768503	5.17E-08	6.30E-08	0.00E+00	1.15E-07	5.83E-08	9.16E-08	0.00E+00	1.50E-07	9.77E-09	1.56E-08	0.00E+00	2.54E-08	4.28E-09	6.26E-09	0.00E+00	1.05E-08
6309	441513.3	3768494	4.69E-08	5.72E-08	0.00E+00	1.04E-07	5.29E-08	8.31E-08	0.00E+00	1.36E-07	8.87E-09	1.42E-08	0.00E+00	2.30E-08	3.88E-09	5.68E-09	0.00E+00	9.55E-09
6310	441501.1	3768490	4.99E-08	6.09E-08	0.00E+00	1.11E-07	5.63E-08	8.85E-08	0.00E+00	1.45E-07	9.44E-09	1.51E-08	0.00E+00	2.45E-08	4.13E-09	6.04E-09	0.00E+00	1.02E-08
6311	441540.8	3768508	4.45E-08	5.42E-08	0.00E+00	9.86E-08	5.01E-08	7.88E-08	0.00E+00	1.29E-07	8.40E-09	1.34E-08	0.00E+00	2.18E-08	3.68E-09	5.38E-09	0.00E+00	9.06E-09
6312	441537.6	3768490	3.85E-08	4.69E-08	0.00E+00	8.54E-08	4.34E-08	6.82E-08	0.00E+00	1.12E-07	7.28E-09	1.16E-08	0.00E+00	1.89E-08	3.18E-09	4.66E-09	0.00E+00	7.84E-09
6313	441538.3	3768473	3.39E-08	4.13E-08	0.00E+00	7.53E-08	3.82E-08	6.01E-08	0.00E+00	9.83E-08	6.41E-09	1.02E-08	0.00E+00	1.67E-08	2.80E-09	4.10E-09	0.00E+00	6.91E-09
6314	441538.3	3768461	3.16E-08	3.85E-08	0.00E+00	7.02E-08	3.56E-08	5.60E-08	0.00E+00	9.17E-08	5.98E-09	9.55E-09	0.00E+00	1.55E-08	2.61E-09	3.83E-09	0.00E+00	6.44E-09
6315	441558.1	3768461	2.84E-08	3.46E-08	0.00E+00	6.29E-08	3.20E-08	5.03E-08	0.00E+00	8.22E-08	5.36E-09	8.57E-09	0.00E+00	1.39E-08	2.35E-09	3.43E-09	0.00E+00	5.78E-09
6316	441578	3768460	2.55E-08	3.10E-08	0.00E+00	5.65E-08	2.87E-08	4.51E-08	0.00E+00	7.38E-08	4.81E-09	7.69E-09	0.00E+00	1.25E-08	2.11E-09	3.08E-09	0.00E+00	5.19E-09
6317	441592.7	3768465	2.44E-08	2.98E-08	0.00E+00	5.42E-08	2.75E-08	4.33E-08	0.00E+00	7.08E-08	4.62E-09	7.38E-09	0.00E+00	1.20E-08	2.02E-09	2.96E-09	0.00E+00	4.98E-09
6318	441586.3	3768478	2.70E-08	3.30E-08	0.00E+00	6.00E-08	3.05E-08	4.79E-08	0.00E+00	7.84E-08	5.11E-09	8.17E-09	0.00E+00	1.33E-08	2.24E-09	3.27E-09	0.00E+00	5.51E-09
6319	441562.6	3768476	3.01E-08	3.67E-08	0.00E+00	6.67E-08	3.39E-08	5.33E-08	0.00E+00	8.72E-08	5.68E-09	9.08E-09	0.00E+00	1.48E-08	2.49E-09	3.64E-09	0.00E+00	6.13E-09
6320	441556.8	3768488	3.39E-08	4.14E-08	0.00E+00	7.53E-08	3.83E-08	6.02E-08	0.00E+00	9.84E-08	6.42E-09	1.03E-08	0.00E+00	1.67E-08	2.81E-09	4.11E-09	0.00E+00	6.91E-09
6321	441572.9	3768488	3.11E-08	3.79E-08	0.00E+00	6.90E-08	3.50E-08	5.51E-08	0.00E+00	9.01E-08	5.88E-09	9.39E-09	0.00E+00	1.53E-08	2.57E-09	3.76E-09	0.00E+00	6.33E-09
6322	441589.5	3768487	2.85E-08	3.47E-08	0.00E+00	6.32E-08	3.21E-08	5.04E-08	0.00E+00	8.25E-08	5.38E-09	8.60E-09	0.00E+00	1.40E-08	2.35E-09	3.45E-09	0.00E+00	5.80E-09
6323	441586.3	3768506	3.41E-08	4.15E-08	0.00E+00	7.56E-08	3.84E-08	6.03E-08	0.00E+00	9.87E-08	6.44E-09	1.03E-08	0.00E+00	1.67E-08	2.82E-09	4.12E-09	0.00E+00	6.94E-09
6324	441562.6	3768509	3.99E-08	4.86E-08	0.00E+00	8.85E-08	4.50E-08	7.07E-08	0.00E+00	1.16E-07	7.54E-09	1.21E-08	0.00E+00	1.96E-08	3.30E-09	4.83E-09	0.00E+00	8.13E-09
6325	441616.4	3768506	2.96E-08	3.61E-08	0.00E+00	6.57E-08	3.33E-08	5.24E-08	0.00E+00	8.58E-08	5.59E-09	8.94E-09	0.00E+00	1.45E-08	2.45E-09	3.58E-09	0.00E+00	6.03E-09
6326	441616.4	3768497	2.74E-08	3.34E-08	0.00E+00	6.08E-08	3.09E-08	4.86E-08	0.00E+00	7.95E-08	5.18E-09	8.28E-09	0.00E+00	1.35E-08	2.27E-09	3.32E-09	0.00E+00	5.58E-09
6327	441615.1	3768485	2.51E-08	3.06E-08	0.00E+00	5.57E-08	2.83E-08	4.45E-08	0.00E+00	7.28E-08	4.75E-09	7.59E-09	0.00E+00	1.23E-08	2.08E-09	3.04E-09	0.00E+00	5.12E-09
6328	441614.5	3768473	2.32E-08	2.83E-08	0.00E+00	5.16E-08	2.62E-08	4.12E-08	0.00E+00	6.74E-08	4.39E-09	7.02E-09	0.00E+00	1.14E-08	1.92E-09	2.81E-09	0.00E+00	4.74E-09
6329	441616.4	3768459	2.13E-08	2.60E-08	0.00E+00	4.73E-08	2.40E-08	3.78E-08	0.00E+00	6.18E-08	4.03E-09	6.44E-09	0.00E+00	1.05E-08	1.76E-09	2.58E-09	0.00E+00	4.34E-09
6330	441628.6	3768485	2.37E-08	2.89E-08	0.00E+00	5.26E-08	2.67E-08	4.20E-08	0.00E+00	6.87E-08	4.48E-09	7.16E-09	0.00E+00	1.16E-08	1.96E-09	2.87E-09	0.00E+00	4.83E-09
6331	441638.8	3768484	2.28E-08	2.78E-08	0.00E+00	5.05E-08	2.57E-08	4.03E-08	0.00E+00	6.60E-08	4.30E-09	6.88E-09	0.00E+00	1.12E-08	1.88E-09	2.76E-09	0.00E+00	4.64E-09
6332	441640.1	3768474	2.13E-08	2.59E-08	0.00E+00	4.72E-08	2.40E-08	3.77E-08	0.00E+00	6.17E-08	4.02E-09	6.43E-09	0.00E+00	1.05E-08	1.76E-09	2.58E-09	0.00E+00	4.33E-09
6333	441627.9	3768474	2.22E-08	2.71E-08	0.00E+00	4.93E-08	2.50E-08	3.94E-08	0.00E+00	6.44E-08	4.20E-09	6.71E-09	0.00E+00	1.09E-08	1.84E-09	2.69E-09	0.00E+00	4.52E-09

			UnMitigated			T2			T2L3			T4		
			8.39E-04	3.17E-02	0.00E+00	9.45E-04	4.61E-02	0.00E+00	1.59E-04	7.85E-03	0.00E+00	6.93E-05	3.15E-03	0.00E+00
			Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3	Yr 1	Yr 2	Yr 3
1	441482.9	3768726	2.03E-04	3.10E-02	0.00E+00	2.29E-04	4.50E-02	0.00E+00	3.85E-05	7.67E-03	0.00E+00	1.68E-05	3.07E-03	0.00E+00
2	441483	3768716	1.86E-04	3.14E-02	0.00E+00	2.09E-04	4.56E-02	0.00E+00	3.51E-05	7.78E-03	0.00E+00	1.54E-05	3.12E-03	0.00E+00
3	441483.1	3768706	1.65E-04	3.17E-02	0.00E+00	1.86E-04	4.60E-02	0.00E+00	3.12E-05	7.85E-03	0.00E+00	1.36E-05	3.14E-03	0.00E+00
4	441483.2	3768696	1.39E-04	3.17E-02	0.00E+00	1.57E-04	4.61E-02	0.00E+00	2.63E-05	7.85E-03	0.00E+00	1.15E-05	3.15E-03	0.00E+00
5	441483.4	3768687	1.28E-04	3.16E-02	0.00E+00	1.44E-04	4.59E-02	0.00E+00	2.42E-05	7.82E-03	0.00E+00	1.06E-05	3.13E-03	0.00E+00
6	441483.5	3768677	1.18E-04	3.13E-02	0.00E+00	1.33E-04	4.55E-02	0.00E+00	2.22E-05	7.76E-03	0.00E+00	9.73E-06	3.11E-03	0.00E+00
7	441483.6	3768667	1.70E-04	3.10E-02	0.00E+00	1.92E-04	4.50E-02	0.00E+00	3.22E-05	7.68E-03	0.00E+00	1.41E-05	3.08E-03	0.00E+00
8	441483.7	3768657	1.39E-04	3.07E-02	0.00E+00	1.57E-04	4.46E-02	0.00E+00	2.64E-05	7.61E-03	0.00E+00	1.15E-05	3.05E-03	0.00E+00
9	441483.9	3768648	1.28E-04	3.06E-02	0.00E+00	1.44E-04	4.45E-02	0.00E+00	2.41E-05	7.59E-03	0.00E+00	1.06E-05	3.04E-03	0.00E+00
10	441484	3768638	1.06E-04	3.14E-02	0.00E+00	1.20E-04	4.56E-02	0.00E+00	2.01E-05	7.78E-03	0.00E+00	8.79E-06	3.12E-03	0.00E+00
11	441503	3768716	1.58E-04	2.49E-02	0.00E+00	1.78E-04	3.62E-02	0.00E+00	2.98E-05	6.18E-03	0.00E+00	1.30E-05	2.47E-03	0.00E+00
12	441503.1	3768706	1.70E-04	2.50E-02	0.00E+00	1.91E-04	3.63E-02	0.00E+00	3.21E-05	6.19E-03	0.00E+00	1.40E-05	2.48E-03	0.00E+00
13	441503.2	3768697	1.66E-04	2.49E-02	0.00E+00	1.87E-04	3.61E-02	0.00E+00	3.14E-05	6.16E-03	0.00E+00	1.38E-05	2.47E-03	0.00E+00
14	441503.4	3768687	1.39E-04	2.47E-02	0.00E+00	1.56E-04	3.59E-02	0.00E+00	2.62E-05	6.12E-03	0.00E+00	1.15E-05	2.45E-03	0.00E+00
15	441503.5	3768677	1.31E-04	2.47E-02	0.00E+00	1.47E-04	3.59E-02	0.00E+00	2.47E-05	6.12E-03	0.00E+00	1.08E-05	2.45E-03	0.00E+00
16	441503.6	3768667	1.24E-04	2.47E-02	0.00E+00	1.39E-04	3.59E-02	0.00E+00	2.34E-05	6.13E-03	0.00E+00	1.02E-05	2.45E-03	0.00E+00
17	441503.7	3768658	1.18E-04	2.49E-02	0.00E+00	1.33E-04	3.62E-02	0.00E+00	2.23E-05	6.16E-03	0.00E+00	9.74E-06	2.47E-03	0.00E+00
18	441503.9	3768648	1.10E-04	2.52E-02	0.00E+00	1.24E-04	3.66E-02	0.00E+00	2.08E-05	6.24E-03	0.00E+00	9.10E-06	2.50E-03	0.00E+00
19	441504	3768638	5.81E-05	2.64E-02	0.00E+00	6.55E-05	3.83E-02	0.00E+00	1.10E-05	6.53E-03	0.00E+00	4.81E-06	2.62E-03	0.00E+00
20	441504.1	3768628	6.02E-05	2.84E-02	0.00E+00	6.79E-05	4.13E-02	0.00E+00	1.14E-05	7.04E-03	0.00E+00	4.98E-06	2.82E-03	0.00E+00
21	441523.1	3768707	6.39E-05	2.08E-02	0.00E+00	7.20E-05	3.02E-02	0.00E+00	1.21E-05	5.14E-03	0.00E+00	5.28E-06	2.06E-03	0.00E+00
22	441523.2	3768697	6.65E-05	2.06E-02	0.00E+00	7.49E-05	3.00E-02	0.00E+00	1.26E-05	5.11E-03	0.00E+00	5.50E-06	2.05E-03	0.00E+00
23	441523.4	3768687	6.27E-05	2.04E-02	0.00E+00	7.07E-05	2.97E-02	0.00E+00	1.18E-05	5.06E-03	0.00E+00	5.18E-06	2.03E-03	0.00E+00
24	441523.5	3768677	6.04E-05	2.04E-02	0.00E+00	6.81E-05	2.96E-02	0.00E+00	1.14E-05	5.05E-03	0.00E+00	4.99E-06	2.02E-03	0.00E+00
25	441523.6	3768668	4.45E-05	2.04E-02	0.00E+00	5.02E-05	2.96E-02	0.00E+00	8.42E-06	5.05E-03	0.00E+00	3.68E-06	2.02E-03	0.00E+00
26	441523.7	3768658	7.01E-05	2.05E-02	0.00E+00	7.90E-05	2.98E-02	0.00E+00	1.32E-05	5.08E-03	0.00E+00	5.80E-06	2.04E-03	0.00E+00
27	441523.9	3768648	7.45E-05	2.07E-02	0.00E+00	8.39E-05	3.01E-02	0.00E+00	1.41E-05	5.14E-03	0.00E+00	6.16E-06	2.06E-03	0.00E+00
28	441524	3768638	6.33E-05	2.12E-02	0.00E+00	7.14E-05	3.09E-02	0.00E+00	1.20E-05	5.26E-03	0.00E+00	5.24E-06	2.11E-03	0.00E+00
29	441524.1	3768629	5.82E-05	2.17E-02	0.00E+00	6.55E-05	3.15E-02	0.00E+00	1.10E-05	5.38E-03	0.00E+00	4.81E-06	2.15E-03	0.00E+00
30	441543.2	3768697	6.77E-05	1.75E-02	0.00E+00	7.63E-05	2.55E-02	0.00E+00	1.28E-05	4.34E-03	0.00E+00	5.59E-06	1.74E-03	0.00E+00
31	441543.4	3768687	6.14E-05	1.73E-02	0.00E+00	6.92E-05	2.52E-02	0.00E+00	1.16E-05	4.30E-03	0.00E+00	5.08E-06	1.72E-03	0.00E+00
32	441543.5	3768678	5.32E-05	1.72E-02	0.00E+00	5.99E-05	2.49E-02	0.00E+00	1.01E-05	4.25E-03	0.00E+00	4.40E-06	1.70E-03	0.00E+00
33	441543.6	3768668	2.73E-05	1.70E-02	0.00E+00	3.07E-05	2.47E-02	0.00E+00	5.16E-06	4.22E-03	0.00E+00	2.26E-06	1.69E-03	0.00E+00
34	441543.7	3768658	2.71E-05	1.69E-02	0.00E+00	3.06E-05	2.46E-02	0.00E+00	5.13E-06	4.20E-03	0.00E+00	2.24E-06	1.68E-03	0.00E+00
35	441543.9	3768648	2.23E-05	1.69E-02	0.00E+00	2.51E-05	2.46E-02	0.00E+00	4.21E-06	4.20E-03	0.00E+00	1.84E-06	1.68E-03	0.00E+00
36	441544	3768639	1.96E-05	1.70E-02	0.00E+00	2.21E-05	2.47E-02	0.00E+00	3.71E-06	4.21E-03	0.00E+00	1.62E-06	1.69E-03	0.00E+00
37	441544.1	3768629	1.94E-05	1.69E-02	0.00E+00	2.19E-05	2.46E-02	0.00E+00	3.68E-06	4.19E-03	0.00E+00	1.61E-06	1.68E-03	0.00E+00
38	441563.2	3768697	2.21E-05	1.47E-02	0.00E+00	2.49E-05	2.14E-02	0.00E+00	4.18E-06	3.65E-03	0.00E+00	1.83E-06	1.46E-03	0.00E+00
39	441563.4	3768688	1.98E-05	1.45E-02	0.00E+00	2.23E-05	2.11E-02	0.00E+00	3.75E-06	3.60E-03	0.00E+00	1.64E-06	1.44E-03	0.00E+00
40	441563.5	3768678	2.25E-05	1.43E-02	0.00E+00	2.53E-05	2.08E-02	0.00E+00	4.25E-06	3.54E-03	0.00E+00	1.86E-06	1.42E-03	0.00E+00
41	441563.6	3768668	1.52E-05	1.41E-02	0.00E+00	1.71E-05	2.04E-02	0.00E+00	2.87E-06	3.48E-03	0.00E+00	1.26E-06	1.40E-03	0.00E+00
42	441563.7	3768658	1.39E-05	1.39E-02	0.00E+00	1.57E-05	2.01E-02	0.00E+00	2.63E-06	3.43E-03	0.00E+00	1.15E-06	1.38E-03	0.00E+00
43	441563.9	3768649	1.31E-05	1.38E-02	0.00E+00	1.48E-05	2.00E-02	0.00E+00	2.48E-06	3.41E-03	0.00E+00	1.08E-06	1.37E-03	0.00E+00
44	441564	3768639	1.37E-05	1.37E-02	0.00E+00	1.54E-05	1.98E-02	0.00E+00	2.59E-06	3.38E-03	0.00E+00	1.13E-06	1.36E-03	0.00E+00
45	441564.1	3768629	1.29E-05	1.34E-02	0.00E+00	1.45E-05	1.95E-02	0.00E+00	2.44E-06	3.33E-03	0.00E+00	1.07E-06	1.33E-03	0.00E+00
46	441583.4	3768688	2.59E-05	1.25E-02	0.00E+00	2.92E-05	1.82E-02	0.00E+00	4.89E-06	3.11E-03	0.00E+00	2.14E-06	1.25E-03	0.00E+00
47	441583.5	3768678	2.72E-05	1.23E-02	0.00E+00	3.06E-05	1.79E-02	0.00E+00	5.14E-06	3.05E-03	0.00E+00	2.25E-06	1.22E-03	0.00E+00
48	441583.6	3768668	2.95E-05	1.20E-02	0.00E+00	3.32E-05	1.74E-02	0.00E+00	5.57E-06	2.97E-03	0.00E+00	2.44E-06	1.19E-03	0.00E+00
49	441583.7	3768659	3.21E-05	1.17E-02	0.00E+00	3.62E-05	1.70E-02	0.00E+00	6.06E-06	2.91E-03	0.00E+00	2.65E-06	1.16E-03	0.00E+00
50	441583.9	3768649	3.48E-05	1.16E-02	0.00E+00	3.93E-05	1.68E-02	0.00E+00	6.59E-06	2.87E-03	0.00E+00	2.88E-06	1.15E-03	0.00E+00
51	441584	3768639	3.22E-05	1.14E-02	0.00E+00	3.62E-05	1.65E-02	0.00E+00	6.08E-06	2.81E-03	0.00E+00	2.66E-06	1.13E-03	0.00E+00
52	441584.1	3768629	3.02E-05	1.11E-02	0.00E+00	3.41E-05	1.61E-02	0.00E+00	5.71E-06	2.74E-03	0.00E+00	2.50E-06	1.10E-03	0.00E+00
53	441603.5	3768678	2.75E-05	1.08E-02	0.00E+00	3.11E-05	1.57E-02	0.00E+00	5.21E-06	2.68E-03	0.00E+00	2.28E-06	1.07E-03	0.00E+00
54	441603.6	3768669	2.31E-05	1.05E-02	0.00E+00	2.60E-05	1.52E-02	0.00E+00	4.37E-06	2.60E-03	0.00E+00	1.91E-06	1.04E-03	0.00E+00
55	441603.7	3768659	2.06E-05	1.02E-02	0.00E+00	2.32E-05	1.48E-02	0.00E+00	3.89E-06	2.52E-03	0.00E+00	1.70E-06	1.01E-03	0.00E+00
56	441603.9	3768649	2.12E-05	9.94E-03	0.00E+00	2.39E-05	1.45E-02	0.00E+00	4.01E-06	2.46E-03	0.00E+00	1.75E-06	9.87E-04	0.00E+00
57	441604	3768639	1.97E-05	9.67E-03	0.00E+00	2.22E-05	1.41E-02	0.00E+00	3.73E-06	2.40E-03	0.00E+00	1.63E-06	9.60E-04	0.00E+00
58	441604.1	3768630	2.03E-05	9.35E-03	0.00E+00	2.29E-05	1.36E-02	0.00E+00	3.84E-06	2.32E-03	0.00E+00	1.68E-06	9.28E-04	0.00E+00
59	441623.6	3768669	2.59E-05	9.45E-03	0.00E+00	2.92E-05	1.37E-02	0.00E+00	4.89E-06	2.34E-03	0.00E+00	2.14E-06	9.38E-04	0.00E+00
60	441623.7	3768659	8.39E-04	9.12E-03	0.00E+00	9.45E-04	1.33E-02	0.00E+00	1.59E-04	2.26E-03	0.00E+00	6.93E-05	9.05E-04	0.00E+00
61	441623.9	3768649	8.04E-04	8.81E-03	0.00E+00	9.06E-04	1.28E-02	0.00E+00	1.52E-04	2.18E-03	0.00E+00	6.65E-05	8.75E-04	0.00E+00
62	441624	3768640	6.66E-04	8.47E-03	0.00E+00	7.50E-04	1.23E-02	0.00E+00	1.26E-04	2.10E-03	0.00E+00	5.50E-05	8.41E-04	0.00E+00
63	441624.1	3768630	5.26E-04	8.08E-03	0.00E+00	5.93E-04	1.18E-02	0.00E+00	9.94E-05	2.00E-03	0.00E+00	4.35E-05	8.03E-04	0.00E+00
64	441643.7	3768659	5.12E-04	8.15E-03	0.00E+00	5.77E-04	1.19E-02	0.00E+00	9.68E-05	2.02E-03	0.00E+00	4.24E-05	8.09E-04	0.00E+00
65	441643.9	3768650	4.96E-04	7.86E-03	0.00E+00	5.59E-04	1.14E-02	0.00E+00	9.37E-05	1.95E-03	0.00E+00	4.10E-05	7.80E-04	0.00E+00
66	441644	3768640	5.03E-04	7.53E-03	0.00E+00	5.67E-04	1.10E-02	0.00E+00	9.52E-05	1.87E-03	0.00E+00	4.16E-05	7.48E-04	0.00E+00
67	441644.1	3768630	4.65E-04	7.18E-03	0.00E+00	5.24E-04	1.04E-02	0.00E+00	8.79E-05	1.78E-03	0.00E+00	3.85E-05	7.12E-04	0.00E+00
68	441663.9	3768650	4.52E-04	7.03E-03	0.00E+00	5.10E-04	1.02E-02	0.00E+00	8.55E-05	1.74E-03	0.00E+00	3.74E-05	6.98E-04	0.00E+00
69	441664	3768640	4.35E-04	6.74E-03	0.00E+00	4.91E-04	9.79E-03	0.00E+00	8.23E-05	1.67E-03	0.00E+00	3.60E-05	6.69E-04	0.00E+00
70	441664.1	3768630	4.23E-04	6.42E-03	0.00E+00	4.77E-04	9.33E-03	0.00E+00	8.00E-05	1.59E-03	0.00E+00	3.50E-05	6.37E-04	0.00E+00
71	441704.1	3768631	4.26E-04	5.13E-03	0.00E+00	4.80E-04	7.46E-03	0.00E+00	8.05E-05	1.27E-03	0.00E+00	3.52E-05	5.09E-04	0.00E+00
72	441724.1	3768631	4.11E-04	4.64E-03	0.00E+00	4.63E-04	6.75E-03	0.00E+00	7.77E-05	1.15E-03	0.00E+00	3.40E-05	4.61E-04	0.00E+00
73	441813.7	3769018	3.97E-04	2.12E-03	0.00E+00	4.47E-04	3.09E-03	0.00E+00	7.50E-05	5.26E-04	0.00E+00	3.28E-05	2.11E-04	0.00E+00
74	441806.3	3769024	4.07E-04	2.06E-03	0.00E+00	4.59E-04	3.00E-03	0.00E+00	7.70E-05	5.11E-04	0.00E+00	3.37E-05	2.05E-04	0.00E+00
75	441799	3769030	4.00E-04	2.00E-03	0.00E+00	4.51E-04	2.91E-03	0.00E+00	7.56E-05	4.97E-04	0.00E+00	3.31E-05	1.99E-04	0.00E+00
76	441791.6	3769036	3.78E-04	1.94E-03	0.00E+00	4.26E-04	2.83E-03	0.00E+00	7.15E-05	4.82E-04	0.00E+00	3.13E-05	1.93E-04	0.00E+00
77	441784.3	3769042	3.86E-04	1.88E-03	0.00E+00	4.35E-04	2.74E-03	0.00E+00	7.30E-05	4.66E-04	0.00E+00	3.19E-05	1.87E-04	0.00E+00
78	441868.7	3769022	3.72E-04	2.04E-03	0.00E+00	4.19E-04	2.97E-03	0.00E+00	7.03E-05	5.07E-04	0.00E+00	3.08E-05	2.03E-04	0.00E+00
79	441861.2	3769028	3.67E-04	1.99E-03	0.00E+00	4.13E-04	2.90E-03	0.00E+00	6.93E-05	4.94E-04	0.00E+00	3.03E-05	1.98E-04	0.00E+00
80	441853.8	3769034	3.53E-04	1.94E-03	0.00E+00	3.98E-04	2.82E-03	0.00E+00	6.67E-05	4.81E-04	0.00E+00	2.92E-05	1.93E-04	0.00E+00
81	441846.3	3769041	3.35E-04	1.89E-03	0.00E+00	3.78E-04	2.74E-03	0.00E+00	6.34E-05	4.68E-04	0.00E+00	2.77E-05	1.87E-04	0.00E+00
82	441838.8	3769047	3.22E-04	1.83E-03	0.00E+00	3.63E-04	2.67E-03	0.00E+00	6.09E-05	4.55E-04	0.00E+00	2.66E-05	1.82E-04	0.00E+00
83	441831.4	3769053	3.01E-04	1.78E-03	0.00E+00	3.40E-04	2.59E-03	0.00E+00	5.70E-05	4.41E-04	0.00E+00	2.49E-05	1.77E-04	0.00E+00
84	441823.9	3769059	3.16E-04	1.73E-03	0.00E+00	3.56E-04	2.51E-03	0.00E+00	5.98E-05	4.28E-04	0.00E+00	2.61E-05	1.71E-04	0.00E+00
85	441816.5	3769065	3.28E-04	1.67E-03	0.00E+00	3.69E-04	2.43E-03	0.00E+00	6.19E-05	4.14E-04	0.00E+00	2.71E-05	1.66E-04	0.00E+00
86	441809	3769071	3.48E-04	1.62E-03	0.00E+00	3.93E-04	2.35E-03	0.00E+00	6.59E-05	4.01E-04	0.00E+00	2.88E-05	1.61E-04	0.00E+00
87	441801.6	3769077	3.31E-04	1.56E-03	0.00E+00	3.74E-04	2.27E-03	0.00E+00	6.26E-05	3.88E-04	0.00E+00	2.74E-05	1.55E-04	0.00E+00
88	441794.1	3769083	3.17E-04	1.51E-03	0.00E+00	3.58E-04	2.20E-03	0.00E+00	6.00E-05	3.75E-04	0.00E+00	2.62E-05	1.50E-04	0.00E+00
89	441786.6	3769089	3.06E-04	1.46E-03	0.00E+00	3.44E-04	2.12E-03	0.00E+00	5.78E-05	3.62E-04	0.00E+00	2.53E-05	1.45E-04	0.00E+00
90	441918	3769011	2.89E-04	2.08E-03	0.00E+00	3.25E-04	3.02E-03	0.00E+00	5.46E-05	5.16E-04	0.00E+00	2.39E-05	2.07E-04	0.00E+00
91	441915	3769020	3.06E-04	2.01E-03	0.00E+00	3.45E-04	2.92E-03	0.00E+00	5.79E-05	4.98E-04	0.00E+00	2.53E-05	2.00E-04	0.00E+00
92	441912.1	3769030	2.86E-04	1.94E-03	0.00E+00	3.22E-04	2.82E-03	0.00E+00	5.40E-05	4.80E-04	0.00E+00	2.36E-05	1.92E-04	0.00E+00
93	441901.7	3769045	3.40E-04	1.83E-03	0.00E+00	3.83E-04	2.65E-03	0.00E+00	6.43E-05	4.52E-04	0.00E+00	2.81E-05	1.81E-04	0.00E+00

94	441894.1	3769051	3.81E-04	1.78E-03	0.00E+00	4.30E-04	2.59E-03	0.00E+00	7.21E-05	4.41E-04	0.00E+00	3.15E-05	1.77E-04	0.00E+00
95	441886.6	3769057	4.19E-04	1.74E-03	0.00E+00	4.72E-04	2.52E-03	0.00E+00	7.92E-05	4.30E-04	0.00E+00	3.47E-05	1.72E-04	0.00E+00
96	441879	3769063	4.42E-04	1.69E-03	0.00E+00	4.99E-04	2.46E-03	0.00E+00	8.36E-05	4.19E-04	0.00E+00	3.66E-05	1.68E-04	0.00E+00
97	441871.5	3769069	4.68E-04	1.64E-03	0.00E+00	5.28E-04	2.39E-03	0.00E+00	8.85E-05	4.08E-04	0.00E+00	3.87E-05	1.63E-04	0.00E+00
98	441863.9	3769076	4.93E-04	1.60E-03	0.00E+00	5.55E-04	2.32E-03	0.00E+00	9.31E-05	3.96E-04	0.00E+00	4.07E-05	1.59E-04	0.00E+00
99	441856.4	3769082	2.89E-04	1.55E-03	0.00E+00	3.26E-04	2.25E-03	0.00E+00	5.47E-05	3.84E-04	0.00E+00	2.39E-05	1.54E-04	0.00E+00
100	441848.8	3769088	2.69E-04	1.50E-03	0.00E+00	3.03E-04	2.18E-03	0.00E+00	5.08E-05	3.72E-04	0.00E+00	2.22E-05	1.49E-04	0.00E+00
101	441841.2	3769094	2.35E-04	1.45E-03	0.00E+00	2.65E-04	2.11E-03	0.00E+00	4.44E-05	3.60E-04	0.00E+00	1.94E-05	1.44E-04	0.00E+00
102	441833.7	3769100	2.46E-04	1.41E-03	0.00E+00	2.78E-04	2.04E-03	0.00E+00	4.66E-05	3.48E-04	0.00E+00	2.04E-05	1.40E-04	0.00E+00
103	441826.1	3769106	2.97E-04	1.36E-03	0.00E+00	3.35E-04	1.98E-03	0.00E+00	5.62E-05	3.37E-04	0.00E+00	2.46E-05	1.35E-04	0.00E+00
104	441818.6	3769112	2.77E-04	1.31E-03	0.00E+00	3.12E-04	1.91E-03	0.00E+00	5.23E-05	3.26E-04	0.00E+00	2.29E-05	1.31E-04	0.00E+00
105	441811	3769118	2.61E-04	1.27E-03	0.00E+00	2.94E-04	1.85E-03	0.00E+00	4.93E-05	3.15E-04	0.00E+00	2.16E-05	1.26E-04	0.00E+00
106	441803.5	3769125	2.70E-04	1.23E-03	0.00E+00	3.04E-04	1.78E-03	0.00E+00	5.10E-05	3.04E-04	0.00E+00	2.23E-05	1.22E-04	0.00E+00
107	441795.9	3769131	4.13E-04	1.19E-03	0.00E+00	4.66E-04	1.72E-03	0.00E+00	7.81E-05	2.94E-04	0.00E+00	3.42E-05	1.18E-04	0.00E+00
108	441788.4	3769137	4.08E-04	1.14E-03	0.00E+00	4.60E-04	1.66E-03	0.00E+00	7.71E-05	2.84E-04	0.00E+00	3.37E-05	1.14E-04	0.00E+00
109	441690.2	3769216	3.82E-04	7.32E-04	0.00E+00	4.31E-04	1.06E-03	0.00E+00	7.23E-05	1.81E-04	0.00E+00	3.16E-05	7.27E-05	0.00E+00
110	441682.7	3769222	3.75E-04	7.10E-04	0.00E+00	4.22E-04	1.03E-03	0.00E+00	7.08E-05	1.76E-04	0.00E+00	3.10E-05	7.04E-05	0.00E+00
111	441675.1	3769229	3.11E-04	6.88E-04	0.00E+00	3.51E-04	1.00E-03	0.00E+00	5.89E-05	1.71E-04	0.00E+00	2.58E-05	6.83E-05	0.00E+00
112	442039.8	3768752	3.19E-04	2.15E-03	0.00E+00	3.59E-04	3.13E-03	0.00E+00	6.03E-05	5.34E-04	0.00E+00	2.64E-05	2.14E-04	0.00E+00
113	442036.9	3768761	3.34E-04	2.21E-03	0.00E+00	3.76E-04	3.21E-03	0.00E+00	6.31E-05	5.47E-04	0.00E+00	2.76E-05	2.19E-04	0.00E+00
114	442034.1	3768770	3.78E-04	2.26E-03	0.00E+00	4.26E-04	3.28E-03	0.00E+00	7.15E-05	5.59E-04	0.00E+00	3.13E-05	2.24E-04	0.00E+00
115	442031.2	3768779	2.06E-04	2.30E-03	0.00E+00	2.32E-04	3.35E-03	0.00E+00	3.89E-05	5.71E-04	0.00E+00	1.70E-05	2.29E-04	0.00E+00
116	442028.3	3768788	1.61E-04	2.35E-03	0.00E+00	1.82E-04	3.42E-03	0.00E+00	3.05E-05	5.82E-04	0.00E+00	1.33E-05	2.33E-04	0.00E+00
117	442025.5	3768797	1.61E-04	2.39E-03	0.00E+00	1.82E-04	3.48E-03	0.00E+00	3.05E-05	5.93E-04	0.00E+00	1.33E-05	2.37E-04	0.00E+00
118	442022.6	3768806	1.61E-04	2.43E-03	0.00E+00	1.82E-04	3.53E-03	0.00E+00	3.05E-05	6.02E-04	0.00E+00	1.33E-05	2.41E-04	0.00E+00
119	442019.7	3768815	1.61E-04	2.46E-03	0.00E+00	1.82E-04	3.58E-03	0.00E+00	3.05E-05	6.10E-04	0.00E+00	1.33E-05	2.44E-04	0.00E+00
120	442016.9	3768825	1.61E-04	2.49E-03	0.00E+00	1.82E-04	3.62E-03	0.00E+00	3.05E-05	6.17E-04	0.00E+00	1.33E-05	2.47E-04	0.00E+00
121	442014	3768834	1.61E-04	2.51E-03	0.00E+00	1.82E-04	3.65E-03	0.00E+00	3.05E-05	6.23E-04	0.00E+00	1.33E-05	2.50E-04	0.00E+00
122	442011.1	3768843	1.61E-04	2.53E-03	0.00E+00	1.82E-04	3.68E-03	0.00E+00	3.05E-05	6.27E-04	0.00E+00	1.33E-05	2.51E-04	0.00E+00
123	441982.4	3768934	1.61E-04	2.42E-03	0.00E+00	1.82E-04	3.52E-03	0.00E+00	3.05E-05	6.01E-04	0.00E+00	1.33E-05	2.41E-04	0.00E+00
124	441979.6	3768943	1.61E-04	2.39E-03	0.00E+00	1.82E-04	3.47E-03	0.00E+00	3.05E-05	5.91E-04	0.00E+00	1.33E-05	2.37E-04	0.00E+00
125	441976.7	3768952	1.61E-04	2.35E-03	0.00E+00	1.82E-04	3.41E-03	0.00E+00	3.05E-05	5.81E-04	0.00E+00	1.33E-05	2.33E-04	0.00E+00
126	441973.8	3768961	1.61E-04	2.30E-03	0.00E+00	1.82E-04	3.34E-03	0.00E+00	3.05E-05	5.70E-04	0.00E+00	1.33E-05	2.28E-04	0.00E+00
127	441971	3768970	1.61E-04	2.25E-03	0.00E+00	1.82E-04	3.28E-03	0.00E+00	3.05E-05	5.59E-04	0.00E+00	1.33E-05	2.24E-04	0.00E+00
128	441956.6	3769016	1.61E-04	1.98E-03	0.00E+00	1.82E-04	2.88E-03	0.00E+00	3.05E-05	4.90E-04	0.00E+00	1.33E-05	1.96E-04	0.00E+00
129	441953.8	3769025	1.61E-04	1.92E-03	0.00E+00	1.82E-04	2.79E-03	0.00E+00	3.05E-05	4.76E-04	0.00E+00	1.33E-05	1.91E-04	0.00E+00
130	441950.9	3769034	1.61E-04	1.86E-03	0.00E+00	1.82E-04	2.70E-03	0.00E+00	3.05E-05	4.61E-04	0.00E+00	1.33E-05	1.85E-04	0.00E+00
131	441948	3769043	1.61E-04	1.80E-03	0.00E+00	1.82E-04	2.61E-03	0.00E+00	3.05E-05	4.46E-04	0.00E+00	1.33E-05	1.79E-04	0.00E+00
132	441945.1	3769052	1.61E-04	1.74E-03	0.00E+00	1.82E-04	2.53E-03	0.00E+00	3.05E-05	4.31E-04	0.00E+00	1.33E-05	1.72E-04	0.00E+00
133	441934.9	3769067	1.61E-04	1.64E-03	0.00E+00	1.82E-04	2.39E-03	0.00E+00	3.05E-05	4.07E-04	0.00E+00	1.33E-05	1.63E-04	0.00E+00
134	441927.4	3769073	1.61E-04	1.60E-03	0.00E+00	1.82E-04	2.33E-03	0.00E+00	3.05E-05	3.97E-04	0.00E+00	1.33E-05	1.59E-04	0.00E+00
135	441920	3769079	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.28E-03	0.00E+00	3.05E-05	3.88E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
136	441912.6	3769085	1.61E-04	1.53E-03	0.00E+00	1.82E-04	2.22E-03	0.00E+00	3.05E-05	3.78E-04	0.00E+00	1.33E-05	1.52E-04	0.00E+00
137	441905.2	3769091	1.61E-04	1.49E-03	0.00E+00	1.82E-04	2.16E-03	0.00E+00	3.05E-05	3.69E-04	0.00E+00	1.33E-05	1.48E-04	0.00E+00
138	441897.8	3769097	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.10E-03	0.00E+00	3.05E-05	3.59E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
139	441890.4	3769103	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.05E-03	0.00E+00	3.05E-05	3.49E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
140	441883	3769109	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.99E-03	0.00E+00	3.05E-05	3.39E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
141	441875.5	3769115	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.28E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
142	441868.1	3769121	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.18E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
143	441860.7	3769127	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.81E-03	0.00E+00	3.05E-05	3.09E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
144	441853.3	3769133	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.75E-03	0.00E+00	3.05E-05	2.99E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
145	441845.9	3769139	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.70E-03	0.00E+00	3.05E-05	2.90E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
146	441838.5	3769145	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.80E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
147	441831.1	3769151	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.59E-03	0.00E+00	3.05E-05	2.71E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
148	441823.6	3769158	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.54E-03	0.00E+00	3.05E-05	2.62E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
149	441816.2	3769164	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.54E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
150	441808.8	3769170	1.61E-04	9.91E-04	0.00E+00	1.82E-04	1.44E-03	0.00E+00	3.05E-05	2.46E-04	0.00E+00	1.33E-05	9.84E-05	0.00E+00
151	441801.4	3769176	1.61E-04	9.59E-04	0.00E+00	1.82E-04	1.39E-03	0.00E+00	3.05E-05	2.38E-04	0.00E+00	1.33E-05	9.52E-05	0.00E+00
152	441794	3769182	1.61E-04	9.28E-04	0.00E+00	1.82E-04	1.35E-03	0.00E+00	3.05E-05	2.30E-04	0.00E+00	1.33E-05	9.21E-05	0.00E+00
153	441786.6	3769188	1.61E-04	8.98E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.23E-04	0.00E+00	1.33E-05	8.91E-05	0.00E+00
154	441749.5	3769218	1.61E-04	7.64E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.58E-05	0.00E+00
155	441742.1	3769224	1.61E-04	7.41E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.35E-05	0.00E+00
156	441734.7	3769230	1.61E-04	7.19E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.14E-05	0.00E+00
157	441727.2	3769236	1.61E-04	6.98E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.93E-05	0.00E+00
158	441719.8	3769242	1.61E-04	6.78E-04	0.00E+00	1.82E-04	9.86E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.73E-05	0.00E+00
159	441712.4	3769248	1.61E-04	6.59E-04	0.00E+00	1.82E-04	9.57E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.54E-05	0.00E+00
160	441705	3769254	1.61E-04	6.40E-04	0.00E+00	1.82E-04	9.31E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.36E-05	0.00E+00
161	441697.6	3769260	1.61E-04	6.23E-04	0.00E+00	1.82E-04	9.05E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.18E-05	0.00E+00
162	441690.2	3769266	1.61E-04	6.05E-04	0.00E+00	1.82E-04	8.80E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.01E-05	0.00E+00
163	442042.7	3768743	1.61E-04	2.10E-03	0.00E+00	1.82E-04	3.05E-03	0.00E+00	3.05E-05	5.20E-04	0.00E+00	1.33E-05	2.08E-04	0.00E+00
164	442043.2	3768704	1.61E-04	1.90E-03	0.00E+00	1.82E-04	2.75E-03	0.00E+00	3.05E-05	4.70E-04	0.00E+00	1.33E-05	1.88E-04	0.00E+00
165	442043.3	3768694	1.61E-04	1.84E-03	0.00E+00	1.82E-04	2.67E-03	0.00E+00	3.05E-05	4.56E-04	0.00E+00	1.33E-05	1.83E-04	0.00E+00
166	442043.4	3768684	1.61E-04	1.78E-03	0.00E+00	1.82E-04	2.59E-03	0.00E+00	3.05E-05	4.42E-04	0.00E+00	1.33E-05	1.77E-04	0.00E+00
167	442043.6	3768674	1.61E-04	1.72E-03	0.00E+00	1.82E-04	2.51E-03	0.00E+00	3.05E-05	4.27E-04	0.00E+00	1.33E-05	1.71E-04	0.00E+00
168	442043.7	3768665	1.61E-04	1.66E-03	0.00E+00	1.82E-04	2.42E-03	0.00E+00	3.05E-05	4.13E-04	0.00E+00	1.33E-05	1.65E-04	0.00E+00
169	442043.8	3768655	1.61E-04	1.61E-03	0.00E+00	1.82E-04	2.34E-03	0.00E+00	3.05E-05	3.98E-04	0.00E+00	1.33E-05	1.59E-04	0.00E+00
170	442043.9	3768645	1.61E-04	1.55E-03	0.00E+00	1.82E-04	2.25E-03	0.00E+00	3.05E-05	3.84E-04	0.00E+00	1.33E-05	1.54E-04	0.00E+00
171	442044.1	3768635	1.61E-04	1.49E-03	0.00E+00	1.82E-04	2.17E-03	0.00E+00	3.05E-05	3.70E-04	0.00E+00	1.33E-05	1.48E-04	0.00E+00
172	442079.8	3768752	1.61E-04	1.94E-03	0.00E+00	1.82E-04	2.81E-03	0.00E+00	3.05E-05	4.80E-04	0.00E+00	1.33E-05	1.92E-04	0.00E+00
173	442076.9	3768762	1.61E-04	1.99E-03	0.00E+00	1.82E-04	2.89E-03	0.00E+00	3.05E-05	4.92E-04	0.00E+00	1.33E-05	1.97E-04	0.00E+00
174	442074	3768771	1.61E-04	2.03E-03	0.00E+00	1.82E-04	2.96E-03	0.00E+00	3.05E-05	5.04E-04	0.00E+00	1.33E-05	2.02E-04	0.00E+00
175	442071.1	3768780	1.61E-04	2.08E-03	0.00E+00	1.82E-04	3.02E-03	0.00E+00	3.05E-05	5.15E-04	0.00E+00	1.33E-05	2.06E-04	0.00E+00
176	442068.2	3768789	1.61E-04	2.12E-03	0.00E+00	1.82E-04	3.09E-03	0.00E+00	3.05E-05	5.26E-04	0.00E+00	1.33E-05	2.11E-04	0.00E+00
177	442065.3	3768798	1.61E-04	2.16E-03	0.00E+00	1.82E-04	3.15E-03	0.00E+00	3.05E-05	5.36E-04	0.00E+00	1.33E-05	2.15E-04	0.00E+00
178	442062.4	3768808	1.61E-04	2.20E-03	0.00E+00	1.82E-04	3.20E-03	0.00E+00	3.05E-05	5.45E-04	0.00E+00	1.33E-05	2.18E-04	0.00E+00
179	442059.5	3768817	1.61E-04	2.23E-03	0.00E+00	1.82E-04	3.25E-03	0.00E+00	3.05E-05	5.53E-04	0.00E+00	1.33E-05	2.22E-04	0.00E+00
180	442056.6	3768826	1.61E-04	2.26E-03	0.00E+00	1.82E-04	3.29E-03	0.00E+00	3.05E-05	5.60E-04	0.00E+00	1.33E-05	2.24E-04	0.00E+00
181	442053.7	3768835	1.61E-04	2.28E-03	0.00E+00	1.82E-04	3.32E-03	0.00E+00	3.05E-05	5.66E-04	0.00E+00	1.33E-05	2.27E-04	0.00E+00
182	442050.8	3768844	1.61E-04	2.30E-03	0.00E+00	1.82E-04	3.35E-03	0.00E+00	3.05E-05	5.71E-04	0.00E+00	1.33E-05	2.29E-04	0.00E+00
183	442047.9	3768854	1.61E-04	2.32E-03	0.00E+00	1.82E-04	3.37E-03	0.00E+00	3.05E-05	5.74E-04	0.00E+00	1.33E-05	2.30E-04	0.00E+00
184	442045	3768863	1.61E-04	2.33E-03	0.00E+00	1.82E-04	3.38E-03	0.00E+00	3.05E-05	5.77E-04	0.00E+00	1.33E-05	2.31E-04	0.00E+00
185	442042.1	3768872	1.61E-04	2.33E-03	0.00E+00	1.82E-04	3.39E-03	0.00E+00	3.05E-05	5.79E-04	0.00E+00	1.33E-05	2.32E-04	0.00E+00
186	442039.2	3768881	1.61E-04	2.34E-03	0.00E+00	1.82E-04	3.40E-03	0.00E+00	3.05E-05	5.79E-04	0.00E+00	1.33E-05	2.32E-04	0.00E+00
187	442036.3	3768890	1.61E-04	2.33E-03	0.00E+00	1.82E-04	3.39E-03	0.00E+00	3.05E-05	5.78E-04	0.00E+00	1.33E-05	2.32E-04	0.00E+00
188	442033.4	3768900	1.61E-04	2.33E-03	0.00E+00	1.82E-04	3.38E-03	0.00E+00	3.05E-05	5.76E-04	0.00E+00	1.33E-05	2.31E-04	0.00E+00
189	442030.5	3768909	1.61E-04	2.31E-03	0.00E+00	1.82E-04	3.36E-03	0.00E+00	3.05E-05	5.73E-04	0.00E+00	1.33E-05	2.30E-04	0.00E+00

190	442027.6	3768918	1.61E-04	2.30E-03	0.00E+00	1.82E-04	3.34E-03	0.00E+00	3.05E-05	5.69E-04	0.00E+00	1.33E-05	2.28E-04	0.00E+00
191	442024.7	3768927	1.61E-04	2.28E-03	0.00E+00	1.82E-04	3.31E-03	0.00E+00	3.05E-05	5.64E-04	0.00E+00	1.33E-05	2.26E-04	0.00E+00
192	442021.8	3768937	1.61E-04	2.25E-03	0.00E+00	1.82E-04	3.27E-03	0.00E+00	3.05E-05	5.58E-04	0.00E+00	1.33E-05	2.24E-04	0.00E+00
193	441995.7	3769019	1.61E-04	1.89E-03	0.00E+00	1.82E-04	2.75E-03	0.00E+00	3.05E-05	4.68E-04	0.00E+00	1.33E-05	1.88E-04	0.00E+00
194	441992.8	3769029	1.61E-04	1.84E-03	0.00E+00	1.82E-04	2.67E-03	0.00E+00	3.05E-05	4.56E-04	0.00E+00	1.33E-05	1.83E-04	0.00E+00
195	441989.9	3769038	1.61E-04	1.79E-03	0.00E+00	1.82E-04	2.60E-03	0.00E+00	3.05E-05	4.43E-04	0.00E+00	1.33E-05	1.77E-04	0.00E+00
196	441987	3769047	1.61E-04	1.73E-03	0.00E+00	1.82E-04	2.52E-03	0.00E+00	3.05E-05	4.30E-04	0.00E+00	1.33E-05	1.72E-04	0.00E+00
197	441984.1	3769056	1.61E-04	1.68E-03	0.00E+00	1.82E-04	2.44E-03	0.00E+00	3.05E-05	4.16E-04	0.00E+00	1.33E-05	1.67E-04	0.00E+00
198	441981.2	3769065	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.36E-03	0.00E+00	3.05E-05	4.03E-04	0.00E+00	1.33E-05	1.61E-04	0.00E+00
199	441978.3	3769075	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.28E-03	0.00E+00	3.05E-05	3.90E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00
200	441967.9	3769090	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.16E-03	0.00E+00	3.05E-05	3.68E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
201	441960.4	3769096	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.11E-03	0.00E+00	3.05E-05	3.59E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
202	441952.9	3769102	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.51E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
203	441945.4	3769108	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.42E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
204	441937.9	3769114	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.96E-03	0.00E+00	3.05E-05	3.34E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
205	441930.4	3769120	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.25E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
206	441922.9	3769126	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.85E-03	0.00E+00	3.05E-05	3.16E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
207	441915.4	3769132	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.80E-03	0.00E+00	3.05E-05	3.07E-04	0.00E+00	1.33E-05	1.23E-04	0.00E+00
208	441907.9	3769139	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.75E-03	0.00E+00	3.05E-05	2.98E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
209	441900.4	3769145	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.89E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
210	441892.9	3769151	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.80E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
211	441885.4	3769157	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.59E-03	0.00E+00	3.05E-05	2.72E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
212	441877.9	3769163	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.54E-03	0.00E+00	3.05E-05	2.63E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
213	441870.4	3769169	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.55E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
214	441862.9	3769175	1.61E-04	9.98E-04	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.47E-04	0.00E+00	1.33E-05	9.91E-05	0.00E+00
215	441855.4	3769181	1.61E-04	9.67E-04	0.00E+00	1.82E-04	1.41E-03	0.00E+00	3.05E-05	2.40E-04	0.00E+00	1.33E-05	9.60E-05	0.00E+00
216	441847.9	3769187	1.61E-04	9.37E-04	0.00E+00	1.82E-04	1.36E-03	0.00E+00	3.05E-05	2.32E-04	0.00E+00	1.33E-05	9.30E-05	0.00E+00
217	441802.9	3769224	1.61E-04	7.76E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.70E-05	0.00E+00
218	441795.4	3769230	1.61E-04	7.52E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.47E-05	0.00E+00
219	441787.9	3769236	1.61E-04	7.30E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.81E-04	0.00E+00	1.33E-05	7.24E-05	0.00E+00
220	441780.4	3769242	1.61E-04	7.08E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.02E-05	0.00E+00
221	441772.9	3769248	1.61E-04	6.87E-04	0.00E+00	1.82E-04	9.98E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.82E-05	0.00E+00
222	441765.4	3769254	1.61E-04	6.67E-04	0.00E+00	1.82E-04	9.69E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.62E-05	0.00E+00
223	441757.9	3769260	1.61E-04	6.48E-04	0.00E+00	1.82E-04	9.41E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.43E-05	0.00E+00
224	441750.4	3769266	1.61E-04	6.30E-04	0.00E+00	1.82E-04	9.16E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.25E-05	0.00E+00
225	441742.9	3769272	1.61E-04	6.13E-04	0.00E+00	1.82E-04	8.91E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.09E-05	0.00E+00
226	441735.4	3769278	1.61E-04	5.97E-04	0.00E+00	1.82E-04	8.68E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.93E-05	0.00E+00
227	441727.9	3769284	1.61E-04	5.81E-04	0.00E+00	1.82E-04	8.45E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.77E-05	0.00E+00
228	441720.4	3769291	1.61E-04	5.66E-04	0.00E+00	1.82E-04	8.23E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.62E-05	0.00E+00
229	441712.9	3769297	1.61E-04	5.50E-04	0.00E+00	1.82E-04	8.00E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.46E-05	0.00E+00
230	441705.4	3769303	1.61E-04	5.23E-04	0.00E+00	1.82E-04	7.60E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.19E-05	0.00E+00
231	442082.7	3768743	1.61E-04	1.88E-03	0.00E+00	1.82E-04	2.74E-03	0.00E+00	3.05E-05	4.67E-04	0.00E+00	1.33E-05	1.87E-04	0.00E+00
232	442083.2	3768704	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.47E-03	0.00E+00	3.05E-05	4.22E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
233	442083.3	3768694	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.41E-03	0.00E+00	3.05E-05	4.10E-04	0.00E+00	1.33E-05	1.64E-04	0.00E+00
234	442083.4	3768685	1.61E-04	1.61E-03	0.00E+00	1.82E-04	2.34E-03	0.00E+00	3.05E-05	3.99E-04	0.00E+00	1.33E-05	1.60E-04	0.00E+00
235	442083.6	3768675	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.27E-03	0.00E+00	3.05E-05	3.87E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
236	442083.7	3768665	1.61E-04	1.51E-03	0.00E+00	1.82E-04	2.20E-03	0.00E+00	3.05E-05	3.75E-04	0.00E+00	1.33E-05	1.50E-04	0.00E+00
237	442083.8	3768655	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.13E-03	0.00E+00	3.05E-05	3.63E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
238	442083.9	3768646	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.51E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
239	442084.1	3768636	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.99E-03	0.00E+00	3.05E-05	3.39E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
240	442119.7	3768753	1.61E-04	1.75E-03	0.00E+00	1.82E-04	2.54E-03	0.00E+00	3.05E-05	4.34E-04	0.00E+00	1.33E-05	1.74E-04	0.00E+00
241	442116.8	3768762	1.61E-04	1.80E-03	0.00E+00	1.82E-04	2.61E-03	0.00E+00	3.05E-05	4.45E-04	0.00E+00	1.33E-05	1.78E-04	0.00E+00
242	442113.9	3768772	1.61E-04	1.84E-03	0.00E+00	1.82E-04	2.68E-03	0.00E+00	3.05E-05	4.56E-04	0.00E+00	1.33E-05	1.83E-04	0.00E+00
243	442111	3768781	1.61E-04	1.88E-03	0.00E+00	1.82E-04	2.74E-03	0.00E+00	3.05E-05	4.67E-04	0.00E+00	1.33E-05	1.87E-04	0.00E+00
244	442108	3768790	1.61E-04	1.92E-03	0.00E+00	1.82E-04	2.79E-03	0.00E+00	3.05E-05	4.76E-04	0.00E+00	1.33E-05	1.91E-04	0.00E+00
245	442105.1	3768799	1.61E-04	1.96E-03	0.00E+00	1.82E-04	2.85E-03	0.00E+00	3.05E-05	4.86E-04	0.00E+00	1.33E-05	1.95E-04	0.00E+00
246	442102.2	3768809	1.61E-04	1.99E-03	0.00E+00	1.82E-04	2.90E-03	0.00E+00	3.05E-05	4.94E-04	0.00E+00	1.33E-05	1.98E-04	0.00E+00
247	442099.2	3768818	1.61E-04	2.02E-03	0.00E+00	1.82E-04	2.94E-03	0.00E+00	3.05E-05	5.02E-04	0.00E+00	1.33E-05	2.01E-04	0.00E+00
248	442096.3	3768827	1.61E-04	2.05E-03	0.00E+00	1.82E-04	2.98E-03	0.00E+00	3.05E-05	5.09E-04	0.00E+00	1.33E-05	2.04E-04	0.00E+00
249	442093.4	3768837	1.61E-04	2.08E-03	0.00E+00	1.82E-04	3.02E-03	0.00E+00	3.05E-05	5.15E-04	0.00E+00	1.33E-05	2.06E-04	0.00E+00
250	442090.4	3768846	1.61E-04	2.10E-03	0.00E+00	1.82E-04	3.05E-03	0.00E+00	3.05E-05	5.20E-04	0.00E+00	1.33E-05	2.08E-04	0.00E+00
251	442087.5	3768855	1.61E-04	2.11E-03	0.00E+00	1.82E-04	3.07E-03	0.00E+00	3.05E-05	5.24E-04	0.00E+00	1.33E-05	2.10E-04	0.00E+00
252	442084.6	3768865	1.61E-04	2.12E-03	0.00E+00	1.82E-04	3.09E-03	0.00E+00	3.05E-05	5.27E-04	0.00E+00	1.33E-05	2.11E-04	0.00E+00
253	442081.7	3768874	1.61E-04	2.13E-03	0.00E+00	1.82E-04	3.10E-03	0.00E+00	3.05E-05	5.29E-04	0.00E+00	1.33E-05	2.12E-04	0.00E+00
254	442078.7	3768883	1.61E-04	2.14E-03	0.00E+00	1.82E-04	3.11E-03	0.00E+00	3.05E-05	5.30E-04	0.00E+00	1.33E-05	2.12E-04	0.00E+00
255	442075.8	3768892	1.61E-04	2.14E-03	0.00E+00	1.82E-04	3.11E-03	0.00E+00	3.05E-05	5.31E-04	0.00E+00	1.33E-05	2.13E-04	0.00E+00
256	442072.9	3768902	1.61E-04	2.14E-03	0.00E+00	1.82E-04	3.11E-03	0.00E+00	3.05E-05	5.30E-04	0.00E+00	1.33E-05	2.12E-04	0.00E+00
257	442069.9	3768911	1.61E-04	2.13E-03	0.00E+00	1.82E-04	3.10E-03	0.00E+00	3.05E-05	5.29E-04	0.00E+00	1.33E-05	2.12E-04	0.00E+00
258	442067	3768920	1.61E-04	2.13E-03	0.00E+00	1.82E-04	3.09E-03	0.00E+00	3.05E-05	5.27E-04	0.00E+00	1.33E-05	2.11E-04	0.00E+00
259	442064.1	3768930	1.61E-04	2.11E-03	0.00E+00	1.82E-04	3.07E-03	0.00E+00	3.05E-05	5.24E-04	0.00E+00	1.33E-05	2.10E-04	0.00E+00
260	442061.2	3768939	1.61E-04	2.10E-03	0.00E+00	1.82E-04	3.05E-03	0.00E+00	3.05E-05	5.19E-04	0.00E+00	1.33E-05	2.08E-04	0.00E+00
261	442058.2	3768948	1.61E-04	2.07E-03	0.00E+00	1.82E-04	3.01E-03	0.00E+00	3.05E-05	5.14E-04	0.00E+00	1.33E-05	2.06E-04	0.00E+00
262	442055.3	3768958	1.61E-04	2.05E-03	0.00E+00	1.82E-04	2.98E-03	0.00E+00	3.05E-05	5.07E-04	0.00E+00	1.33E-05	2.03E-04	0.00E+00
263	442052.4	3768967	1.61E-04	2.02E-03	0.00E+00	1.82E-04	2.93E-03	0.00E+00	3.05E-05	5.00E-04	0.00E+00	1.33E-05	2.00E-04	0.00E+00
264	442049.4	3768976	1.61E-04	1.99E-03	0.00E+00	1.82E-04	2.89E-03	0.00E+00	3.05E-05	4.92E-04	0.00E+00	1.33E-05	1.97E-04	0.00E+00
265	442046.5	3768985	1.61E-04	1.95E-03	0.00E+00	1.82E-04	2.84E-03	0.00E+00	3.05E-05	4.84E-04	0.00E+00	1.33E-05	1.94E-04	0.00E+00
266	441993.3	3769119	1.61E-04	1.32E-03	0.00E+00	1.82E-04	1.92E-03	0.00E+00	3.05E-05	3.27E-04	0.00E+00	1.33E-05	1.31E-04	0.00E+00
267	441985.7	3769125	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.88E-03	0.00E+00	3.05E-05	3.20E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
268	441978.1	3769131	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.83E-03	0.00E+00	3.05E-05	3.12E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
269	441970.6	3769137	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.78E-03	0.00E+00	3.05E-05	3.04E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
270	441963	3769143	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.74E-03	0.00E+00	3.05E-05	2.96E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
271	441955.4	3769149	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.88E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
272	441947.8	3769155	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.80E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
273	441940.3	3769162	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.72E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
274	441932.7	3769168	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.55E-03	0.00E+00	3.05E-05	2.64E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
275	441925.1	3769174	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.56E-04	0.00E+00	1.33E-05	1.03E-04	0.00E+00
276	441917.6	3769180	1.61E-04	1.00E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.49E-04	0.00E+00	1.33E-05	9.97E-05	0.00E+00
277	441910	3769186	1.61E-04	9.74E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.41E-04	0.00E+00	1.33E-05	9.67E-05	0.00E+00
278	441902.4	3769192	1.61E-04	9.45E-04	0.00E+00	1.82E-04	1.37E-03	0.00E+00	3.05E-05	2.34E-04	0.00E+00	1.33E-05	9.38E-05	0.00E+00
279	441864.6	3769223	1.61E-04	8.10E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.01E-04	0.00E+00	1.33E-05	8.04E-05	0.00E+00
280	441857	3769229	1.61E-04	7.86E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.95E-04	0.00E+00	1.33E-05	7.80E-05	0.00E+00
281	441849.4	3769235	1.61E-04	7.63E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.58E-05	0.00E+00
282	441841.8	3769241	1.61E-04	7.41E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.36E-05	0.00E+00
283	441834.3	3769248	1.61E-04	7.20E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.14E-05	0.00E+00
284	441826.7	3769254	1.61E-04	6.99E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.94E-05	0.00E+00
285	441819.1	3769260	1.61E-04	6.79E-04	0.00E+00	1.82E-04	9.87E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.74E-05	0.00E+00

286	441811.5	3769266	1.61E-04	6.59E-04	0.00E+00	1.82E-04	9.58E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.54E-05	0.00E+00
287	441804	3769272	1.61E-04	6.40E-04	0.00E+00	1.82E-04	9.31E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.36E-05	0.00E+00
288	441796.4	3769278	1.61E-04	6.22E-04	0.00E+00	1.82E-04	9.05E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.18E-05	0.00E+00
289	441788.8	3769284	1.61E-04	6.05E-04	0.00E+00	1.82E-04	8.80E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.01E-05	0.00E+00
290	441781.3	3769290	1.61E-04	5.90E-04	0.00E+00	1.82E-04	8.57E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.85E-05	0.00E+00
291	441773.7	3769297	1.61E-04	5.74E-04	0.00E+00	1.82E-04	8.34E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.69E-05	0.00E+00
292	441766.1	3769303	1.61E-04	5.58E-04	0.00E+00	1.82E-04	8.11E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.54E-05	0.00E+00
293	441758.5	3769309	1.61E-04	5.43E-04	0.00E+00	1.82E-04	7.90E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.40E-05	0.00E+00
294	441751	3769315	1.61E-04	5.16E-04	0.00E+00	1.82E-04	7.50E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.12E-05	0.00E+00
295	441743.4	3769321	1.61E-04	5.02E-04	0.00E+00	1.82E-04	7.29E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.98E-05	0.00E+00
296	441735.8	3769327	1.61E-04	4.89E-04	0.00E+00	1.82E-04	7.10E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.85E-05	0.00E+00
297	441728.2	3769333	1.61E-04	4.76E-04	0.00E+00	1.82E-04	6.92E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.73E-05	0.00E+00
298	441720.7	3769340	1.61E-04	4.65E-04	0.00E+00	1.82E-04	6.76E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.62E-05	0.00E+00
299	442122.7	3768744	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.48E-03	0.00E+00	3.05E-05	4.22E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
300	442123.2	3768705	1.61E-04	1.54E-03	0.00E+00	1.82E-04	2.24E-03	0.00E+00	3.05E-05	3.82E-04	0.00E+00	1.33E-05	1.53E-04	0.00E+00
301	442123.3	3768695	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.18E-03	0.00E+00	3.05E-05	3.72E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
302	442123.4	3768685	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.12E-03	0.00E+00	3.05E-05	3.61E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
303	442123.6	3768675	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.52E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
304	442123.7	3768666	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.42E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
305	442123.8	3768656	1.61E-04	1.34E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.31E-04	0.00E+00	1.33E-05	1.33E-04	0.00E+00
306	442123.9	3768646	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.88E-03	0.00E+00	3.05E-05	3.21E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
307	442124.1	3768636	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.10E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
308	442159.8	3768753	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.30E-03	0.00E+00	3.05E-05	3.93E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
309	442156.9	3768763	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.36E-03	0.00E+00	3.05E-05	4.03E-04	0.00E+00	1.33E-05	1.61E-04	0.00E+00
310	442154	3768772	1.61E-04	1.67E-03	0.00E+00	1.82E-04	2.42E-03	0.00E+00	3.05E-05	4.13E-04	0.00E+00	1.33E-05	1.65E-04	0.00E+00
311	442151.1	3768781	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.48E-03	0.00E+00	3.05E-05	4.22E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
312	442148.2	3768790	1.61E-04	1.74E-03	0.00E+00	1.82E-04	2.53E-03	0.00E+00	3.05E-05	4.32E-04	0.00E+00	1.33E-05	1.73E-04	0.00E+00
313	442145.4	3768799	1.61E-04	1.78E-03	0.00E+00	1.82E-04	2.58E-03	0.00E+00	3.05E-05	4.40E-04	0.00E+00	1.33E-05	1.76E-04	0.00E+00
314	442142.5	3768808	1.61E-04	1.81E-03	0.00E+00	1.82E-04	2.63E-03	0.00E+00	3.05E-05	4.49E-04	0.00E+00	1.33E-05	1.80E-04	0.00E+00
315	442139.6	3768817	1.61E-04	1.84E-03	0.00E+00	1.82E-04	2.67E-03	0.00E+00	3.05E-05	4.56E-04	0.00E+00	1.33E-05	1.83E-04	0.00E+00
316	442136.7	3768827	1.61E-04	1.87E-03	0.00E+00	1.82E-04	2.71E-03	0.00E+00	3.05E-05	4.63E-04	0.00E+00	1.33E-05	1.85E-04	0.00E+00
317	442133.8	3768836	1.61E-04	1.89E-03	0.00E+00	1.82E-04	2.75E-03	0.00E+00	3.05E-05	4.69E-04	0.00E+00	1.33E-05	1.88E-04	0.00E+00
318	442130.9	3768845	1.61E-04	1.91E-03	0.00E+00	1.82E-04	2.78E-03	0.00E+00	3.05E-05	4.74E-04	0.00E+00	1.33E-05	1.90E-04	0.00E+00
319	442128	3768854	1.61E-04	1.93E-03	0.00E+00	1.82E-04	2.80E-03	0.00E+00	3.05E-05	4.78E-04	0.00E+00	1.33E-05	1.92E-04	0.00E+00
320	442125.2	3768863	1.61E-04	1.94E-03	0.00E+00	1.82E-04	2.83E-03	0.00E+00	3.05E-05	4.82E-04	0.00E+00	1.33E-05	1.93E-04	0.00E+00
321	442122.3	3768872	1.61E-04	1.96E-03	0.00E+00	1.82E-04	2.84E-03	0.00E+00	3.05E-05	4.85E-04	0.00E+00	1.33E-05	1.94E-04	0.00E+00
322	442119.4	3768882	1.61E-04	1.97E-03	0.00E+00	1.82E-04	2.86E-03	0.00E+00	3.05E-05	4.87E-04	0.00E+00	1.33E-05	1.95E-04	0.00E+00
323	442116.5	3768891	1.61E-04	1.97E-03	0.00E+00	1.82E-04	2.87E-03	0.00E+00	3.05E-05	4.89E-04	0.00E+00	1.33E-05	1.96E-04	0.00E+00
324	442113.6	3768900	1.61E-04	1.98E-03	0.00E+00	1.82E-04	2.87E-03	0.00E+00	3.05E-05	4.90E-04	0.00E+00	1.33E-05	1.96E-04	0.00E+00
325	442110.7	3768909	1.61E-04	1.97E-03	0.00E+00	1.82E-04	2.87E-03	0.00E+00	3.05E-05	4.89E-04	0.00E+00	1.33E-05	1.96E-04	0.00E+00
326	442107.9	3768918	1.61E-04	1.97E-03	0.00E+00	1.82E-04	2.87E-03	0.00E+00	3.05E-05	4.88E-04	0.00E+00	1.33E-05	1.96E-04	0.00E+00
327	442105	3768927	1.61E-04	1.96E-03	0.00E+00	1.82E-04	2.85E-03	0.00E+00	3.05E-05	4.87E-04	0.00E+00	1.33E-05	1.95E-04	0.00E+00
328	442102.1	3768937	1.61E-04	1.96E-03	0.00E+00	1.82E-04	2.84E-03	0.00E+00	3.05E-05	4.85E-04	0.00E+00	1.33E-05	1.94E-04	0.00E+00
329	442099.2	3768946	1.61E-04	1.94E-03	0.00E+00	1.82E-04	2.83E-03	0.00E+00	3.05E-05	4.82E-04	0.00E+00	1.33E-05	1.93E-04	0.00E+00
330	442096.3	3768955	1.61E-04	1.93E-03	0.00E+00	1.82E-04	2.80E-03	0.00E+00	3.05E-05	4.78E-04	0.00E+00	1.33E-05	1.91E-04	0.00E+00
331	442093.4	3768964	1.61E-04	1.91E-03	0.00E+00	1.82E-04	2.78E-03	0.00E+00	3.05E-05	4.73E-04	0.00E+00	1.33E-05	1.90E-04	0.00E+00
332	442090.5	3768973	1.61E-04	1.89E-03	0.00E+00	1.82E-04	2.74E-03	0.00E+00	3.05E-05	4.68E-04	0.00E+00	1.33E-05	1.87E-04	0.00E+00
333	442087.7	3768982	1.61E-04	1.86E-03	0.00E+00	1.82E-04	2.71E-03	0.00E+00	3.05E-05	4.61E-04	0.00E+00	1.33E-05	1.85E-04	0.00E+00
334	442076.1	3769019	1.61E-04	1.74E-03	0.00E+00	1.82E-04	2.53E-03	0.00E+00	3.05E-05	4.31E-04	0.00E+00	1.33E-05	1.73E-04	0.00E+00
335	442073.2	3769028	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.48E-03	0.00E+00	3.05E-05	4.22E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
336	442070.3	3769037	1.61E-04	1.67E-03	0.00E+00	1.82E-04	2.42E-03	0.00E+00	3.05E-05	4.13E-04	0.00E+00	1.33E-05	1.66E-04	0.00E+00
337	442067.5	3769046	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.37E-03	0.00E+00	3.05E-05	4.04E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
338	442064.6	3769056	1.61E-04	1.59E-03	0.00E+00	1.82E-04	2.31E-03	0.00E+00	3.05E-05	3.94E-04	0.00E+00	1.33E-05	1.58E-04	0.00E+00
339	442061.7	3769065	1.61E-04	1.55E-03	0.00E+00	1.82E-04	2.25E-03	0.00E+00	3.05E-05	3.84E-04	0.00E+00	1.33E-05	1.54E-04	0.00E+00
340	442058.8	3769074	1.61E-04	1.51E-03	0.00E+00	1.82E-04	2.20E-03	0.00E+00	3.05E-05	3.74E-04	0.00E+00	1.33E-05	1.50E-04	0.00E+00
341	442055.9	3769083	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.14E-03	0.00E+00	3.05E-05	3.64E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
342	442053	3769092	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.08E-03	0.00E+00	3.05E-05	3.54E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
343	442050.2	3769101	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.44E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
344	441989.3	3769171	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.55E-03	0.00E+00	3.05E-05	2.65E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
345	441981.8	3769177	1.61E-04	1.04E-03	0.00E+00	1.82E-04	1.51E-03	0.00E+00	3.05E-05	2.58E-04	0.00E+00	1.33E-05	1.03E-04	0.00E+00
346	441974.4	3769183	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.51E-04	0.00E+00	1.33E-05	1.00E-04	0.00E+00
347	441966.9	3769189	1.61E-04	9.84E-04	0.00E+00	1.82E-04	1.43E-03	0.00E+00	3.05E-05	2.44E-04	0.00E+00	1.33E-05	9.77E-05	0.00E+00
348	441922.2	3769226	1.61E-04	8.30E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.06E-04	0.00E+00	1.33E-05	8.24E-05	0.00E+00
349	441914.7	3769232	1.61E-04	8.06E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	8.00E-05	0.00E+00
350	441907.3	3769238	1.61E-04	7.83E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.77E-05	0.00E+00
351	441899.8	3769244	1.61E-04	7.60E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.88E-04	0.00E+00	1.33E-05	7.55E-05	0.00E+00
352	441892.3	3769250	1.61E-04	7.39E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.34E-05	0.00E+00
353	441884.9	3769256	1.61E-04	7.18E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.13E-05	0.00E+00
354	441877.4	3769262	1.61E-04	6.99E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.94E-05	0.00E+00
355	441870	3769268	1.61E-04	6.80E-04	0.00E+00	1.82E-04	9.88E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.75E-05	0.00E+00
356	441862.5	3769274	1.61E-04	6.61E-04	0.00E+00	1.82E-04	9.61E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.56E-05	0.00E+00
357	441855.1	3769280	1.61E-04	6.43E-04	0.00E+00	1.82E-04	9.35E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.38E-05	0.00E+00
358	441847.6	3769286	1.61E-04	6.26E-04	0.00E+00	1.82E-04	9.10E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.21E-05	0.00E+00
359	441840.1	3769292	1.61E-04	6.09E-04	0.00E+00	1.82E-04	8.85E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.05E-05	0.00E+00
360	441832.7	3769298	1.61E-04	5.92E-04	0.00E+00	1.82E-04	8.61E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.88E-05	0.00E+00
361	441825.2	3769304	1.61E-04	5.77E-04	0.00E+00	1.82E-04	8.38E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.72E-05	0.00E+00
362	441817.8	3769310	1.61E-04	5.62E-04	0.00E+00	1.82E-04	8.17E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.58E-05	0.00E+00
363	441810.3	3769316	1.61E-04	5.48E-04	0.00E+00	1.82E-04	7.97E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.44E-05	0.00E+00
364	441802.9	3769322	1.61E-04	5.34E-04	0.00E+00	1.82E-04	7.76E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
365	441795.4	3769328	1.61E-04	5.20E-04	0.00E+00	1.82E-04	7.56E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.17E-05	0.00E+00
366	441787.9	3769334	1.61E-04	4.93E-04	0.00E+00	1.82E-04	7.17E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.90E-05	0.00E+00
367	441780.5	3769340	1.61E-04	4.81E-04	0.00E+00	1.82E-04	6.99E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.78E-05	0.00E+00
368	441773	3769346	1.61E-04	4.70E-04	0.00E+00	1.82E-04	6.83E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.66E-05	0.00E+00
369	441765.6	3769353	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.68E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.56E-05	0.00E+00
370	442162.7	3768744	1.61E-04	1.54E-03	0.00E+00	1.82E-04	2.24E-03	0.00E+00	3.05E-05	3.83E-04	0.00E+00	1.33E-05	1.53E-04	0.00E+00
371	442199.8	3768754	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.11E-03	0.00E+00	3.05E-05	3.59E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
372	442196.8	3768763	1.61E-04	1.49E-03	0.00E+00	1.82E-04	2.16E-03	0.00E+00	3.05E-05	3.68E-04	0.00E+00	1.33E-05	1.48E-04	0.00E+00
373	442193.9	3768772	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.21E-03	0.00E+00	3.05E-05	3.77E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
374	442191	3768782	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.26E-03	0.00E+00	3.05E-05	3.86E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
375	442188.1	3768791	1.61E-04	1.59E-03	0.00E+00	1.82E-04	2.31E-03	0.00E+00	3.05E-05	3.94E-04	0.00E+00	1.33E-05	1.58E-04	0.00E+00
376	442185.2	3768800	1.61E-04	1.62E-03	0.00E+00	1.82E-04	2.36E-03	0.00E+00	3.05E-05	4.02E-04	0.00E+00	1.33E-05	1.61E-04	0.00E+00
377	442182.3	3768809	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.40E-03	0.00E+00	3.05E-05	4.09E-04	0.00E+00	1.33E-05	1.64E-04	0.00E+00
378	442179.4	3768819	1.61E-04	1.68E-03	0.00E+00	1.82E-04	2.44E-03	0.00E+00	3.05E-05	4.16E-04	0.00E+00	1.33E-05	1.67E-04	0.00E+00
379	442176.5	3768828	1.61E-04	1.71E-03	0.00E+00	1.82E-04	2.48E-03	0.00E+00	3.05E-05	4.23E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
380	442173.6	3768837	1.61E-04	1.73E-03	0.00E+00	1.82E-04	2.51E-03	0.00E+00	3.05E-05	4.29E-04	0.00E+00	1.33E-05	1.72E-04	0.00E+00
381	442170.6	3768846	1.61E-04	1.75E-03	0.00E+00	1.82E-04	2.55E-03	0.00E+00	3.05E-05	4.34E-04	0.00E+00	1.33E-05	1.74E-04	0.00E+00

382	442167.7	3768856	1.61E-04	1.77E-03	0.00E+00	1.82E-04	2.58E-03	0.00E+00	3.05E-05	4.39E-04	0.00E+00	1.33E-05	1.76E-04	0.00E+00
383	442164.8	3768865	1.61E-04	1.79E-03	0.00E+00	1.82E-04	2.60E-03	0.00E+00	3.05E-05	4.43E-04	0.00E+00	1.33E-05	1.78E-04	0.00E+00
384	442161.9	3768874	1.61E-04	1.80E-03	0.00E+00	1.82E-04	2.62E-03	0.00E+00	3.05E-05	4.47E-04	0.00E+00	1.33E-05	1.79E-04	0.00E+00
385	442159	3768883	1.61E-04	1.82E-03	0.00E+00	1.82E-04	2.64E-03	0.00E+00	3.05E-05	4.50E-04	0.00E+00	1.33E-05	1.80E-04	0.00E+00
386	442156.1	3768893	1.61E-04	1.82E-03	0.00E+00	1.82E-04	2.65E-03	0.00E+00	3.05E-05	4.52E-04	0.00E+00	1.33E-05	1.81E-04	0.00E+00
387	442153.2	3768902	1.61E-04	1.83E-03	0.00E+00	1.82E-04	2.66E-03	0.00E+00	3.05E-05	4.53E-04	0.00E+00	1.33E-05	1.82E-04	0.00E+00
388	442150.3	3768911	1.61E-04	1.83E-03	0.00E+00	1.82E-04	2.66E-03	0.00E+00	3.05E-05	4.54E-04	0.00E+00	1.33E-05	1.82E-04	0.00E+00
389	442147.3	3768920	1.61E-04	1.83E-03	0.00E+00	1.82E-04	2.66E-03	0.00E+00	3.05E-05	4.54E-04	0.00E+00	1.33E-05	1.82E-04	0.00E+00
390	442144.4	3768930	1.61E-04	1.83E-03	0.00E+00	1.82E-04	2.66E-03	0.00E+00	3.05E-05	4.53E-04	0.00E+00	1.33E-05	1.82E-04	0.00E+00
391	442141.5	3768939	1.61E-04	1.82E-03	0.00E+00	1.82E-04	2.65E-03	0.00E+00	3.05E-05	4.52E-04	0.00E+00	1.33E-05	1.81E-04	0.00E+00
392	442138.6	3768948	1.61E-04	1.82E-03	0.00E+00	1.82E-04	2.64E-03	0.00E+00	3.05E-05	4.50E-04	0.00E+00	1.33E-05	1.80E-04	0.00E+00
393	442135.7	3768957	1.61E-04	1.80E-03	0.00E+00	1.82E-04	2.62E-03	0.00E+00	3.05E-05	4.47E-04	0.00E+00	1.33E-05	1.79E-04	0.00E+00
394	442132.8	3768967	1.61E-04	1.79E-03	0.00E+00	1.82E-04	2.60E-03	0.00E+00	3.05E-05	4.43E-04	0.00E+00	1.33E-05	1.78E-04	0.00E+00
395	442129.9	3768976	1.61E-04	1.77E-03	0.00E+00	1.82E-04	2.58E-03	0.00E+00	3.05E-05	4.39E-04	0.00E+00	1.33E-05	1.76E-04	0.00E+00
396	442115.3	3769022	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.40E-03	0.00E+00	3.05E-05	4.10E-04	0.00E+00	1.33E-05	1.64E-04	0.00E+00
397	442112.4	3769031	1.61E-04	1.62E-03	0.00E+00	1.82E-04	2.36E-03	0.00E+00	3.05E-05	4.02E-04	0.00E+00	1.33E-05	1.61E-04	0.00E+00
398	442109.5	3769040	1.61E-04	1.59E-03	0.00E+00	1.82E-04	2.32E-03	0.00E+00	3.05E-05	3.95E-04	0.00E+00	1.33E-05	1.58E-04	0.00E+00
399	442106.6	3769050	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.27E-03	0.00E+00	3.05E-05	3.87E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
400	442103.7	3769059	1.61E-04	1.53E-03	0.00E+00	1.82E-04	2.22E-03	0.00E+00	3.05E-05	3.78E-04	0.00E+00	1.33E-05	1.52E-04	0.00E+00
401	442100.8	3769068	1.61E-04	1.49E-03	0.00E+00	1.82E-04	2.17E-03	0.00E+00	3.05E-05	3.70E-04	0.00E+00	1.33E-05	1.48E-04	0.00E+00
402	442097.9	3769077	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.12E-03	0.00E+00	3.05E-05	3.61E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
403	442094.9	3769087	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.52E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
404	442092	3769096	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.43E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
405	442089.1	3769105	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.96E-03	0.00E+00	3.05E-05	3.33E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
406	442086.2	3769114	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.24E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
407	442083.3	3769124	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.85E-03	0.00E+00	3.05E-05	3.15E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
408	442080.4	3769133	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.79E-03	0.00E+00	3.05E-05	3.05E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
409	442077.5	3769142	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.74E-03	0.00E+00	3.05E-05	2.96E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
410	442067	3769157	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.81E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
411	442059.5	3769164	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.75E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
412	442052	3769170	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.69E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
413	441946.6	3769255	1.61E-04	7.12E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.07E-05	0.00E+00
414	441939.1	3769261	1.61E-04	6.91E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.86E-05	0.00E+00
415	441931.6	3769267	1.61E-04	6.73E-04	0.00E+00	1.82E-04	9.78E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.68E-05	0.00E+00
416	441924.1	3769273	1.61E-04	6.57E-04	0.00E+00	1.82E-04	9.55E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.52E-05	0.00E+00
417	441916.5	3769279	1.61E-04	6.67E-04	0.00E+00	1.82E-04	9.69E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.62E-05	0.00E+00
418	441909	3769286	1.61E-04	6.49E-04	0.00E+00	1.82E-04	9.43E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.44E-05	0.00E+00
419	441901.5	3769292	1.61E-04	6.32E-04	0.00E+00	1.82E-04	9.19E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.27E-05	0.00E+00
420	441894	3769298	1.61E-04	6.15E-04	0.00E+00	1.82E-04	8.94E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.11E-05	0.00E+00
421	441886.4	3769304	1.61E-04	5.98E-04	0.00E+00	1.82E-04	8.70E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.94E-05	0.00E+00
422	441878.9	3769310	1.61E-04	5.82E-04	0.00E+00	1.82E-04	8.47E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.78E-05	0.00E+00
423	441871.4	3769316	1.61E-04	5.46E-04	0.00E+00	1.82E-04	7.94E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.42E-05	0.00E+00
424	441863.9	3769322	1.61E-04	5.31E-04	0.00E+00	1.82E-04	7.72E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.27E-05	0.00E+00
425	441856.3	3769328	1.61E-04	5.18E-04	0.00E+00	1.82E-04	7.53E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.14E-05	0.00E+00
426	441848.8	3769334	1.61E-04	5.04E-04	0.00E+00	1.82E-04	7.33E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.00E-05	0.00E+00
427	441841.3	3769340	1.61E-04	4.90E-04	0.00E+00	1.82E-04	7.13E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.87E-05	0.00E+00
428	441833.8	3769347	1.61E-04	4.78E-04	0.00E+00	1.82E-04	6.95E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.75E-05	0.00E+00
429	441826.2	3769353	1.61E-04	4.67E-04	0.00E+00	1.82E-04	6.79E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.64E-05	0.00E+00
430	442202.7	3768745	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.05E-03	0.00E+00	3.05E-05	3.50E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
431	442239.8	3768754	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.29E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
432	442236.9	3768764	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.98E-03	0.00E+00	3.05E-05	3.37E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
433	442234	3768773	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.03E-03	0.00E+00	3.05E-05	3.45E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
434	442231.2	3768782	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.07E-03	0.00E+00	3.05E-05	3.53E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
435	442228.3	3768791	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.12E-03	0.00E+00	3.05E-05	3.61E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
436	442225.4	3768800	1.61E-04	1.49E-03	0.00E+00	1.82E-04	2.16E-03	0.00E+00	3.05E-05	3.68E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
437	442222.5	3768809	1.61E-04	1.51E-03	0.00E+00	1.82E-04	2.20E-03	0.00E+00	3.05E-05	3.75E-04	0.00E+00	1.33E-05	1.50E-04	0.00E+00
438	442219.7	3768818	1.61E-04	1.54E-03	0.00E+00	1.82E-04	2.24E-03	0.00E+00	3.05E-05	3.81E-04	0.00E+00	1.33E-05	1.53E-04	0.00E+00
439	442216.8	3768827	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.27E-03	0.00E+00	3.05E-05	3.87E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
440	442213.9	3768836	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.30E-03	0.00E+00	3.05E-05	3.93E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
441	442211.1	3768846	1.61E-04	1.61E-03	0.00E+00	1.82E-04	2.33E-03	0.00E+00	3.05E-05	3.98E-04	0.00E+00	1.33E-05	1.59E-04	0.00E+00
442	442208.2	3768855	1.61E-04	1.62E-03	0.00E+00	1.82E-04	2.36E-03	0.00E+00	3.05E-05	4.03E-04	0.00E+00	1.33E-05	1.61E-04	0.00E+00
443	442205.3	3768864	1.61E-04	1.64E-03	0.00E+00	1.82E-04	2.39E-03	0.00E+00	3.05E-05	4.07E-04	0.00E+00	1.33E-05	1.63E-04	0.00E+00
444	442202.4	3768873	1.61E-04	1.66E-03	0.00E+00	1.82E-04	2.41E-03	0.00E+00	3.05E-05	4.11E-04	0.00E+00	1.33E-05	1.65E-04	0.00E+00
445	442199.6	3768882	1.61E-04	1.67E-03	0.00E+00	1.82E-04	2.43E-03	0.00E+00	3.05E-05	4.14E-04	0.00E+00	1.33E-05	1.66E-04	0.00E+00
446	442196.7	3768891	1.61E-04	1.68E-03	0.00E+00	1.82E-04	2.44E-03	0.00E+00	3.05E-05	4.17E-04	0.00E+00	1.33E-05	1.67E-04	0.00E+00
447	442193.8	3768900	1.61E-04	1.69E-03	0.00E+00	1.82E-04	2.46E-03	0.00E+00	3.05E-05	4.19E-04	0.00E+00	1.33E-05	1.68E-04	0.00E+00
448	442191	3768909	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.46E-03	0.00E+00	3.05E-05	4.20E-04	0.00E+00	1.33E-05	1.68E-04	0.00E+00
449	442188.1	3768919	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.47E-03	0.00E+00	3.05E-05	4.21E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
450	442185.2	3768928	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.47E-03	0.00E+00	3.05E-05	4.21E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
451	442182.3	3768937	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.47E-03	0.00E+00	3.05E-05	4.21E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
452	442179.5	3768946	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.47E-03	0.00E+00	3.05E-05	4.21E-04	0.00E+00	1.33E-05	1.68E-04	0.00E+00
453	442176.6	3768955	1.61E-04	1.69E-03	0.00E+00	1.82E-04	2.46E-03	0.00E+00	3.05E-05	4.19E-04	0.00E+00	1.33E-05	1.68E-04	0.00E+00
454	442173.7	3768964	1.61E-04	1.68E-03	0.00E+00	1.82E-04	2.45E-03	0.00E+00	3.05E-05	4.17E-04	0.00E+00	1.33E-05	1.67E-04	0.00E+00
455	442170.8	3768973	1.61E-04	1.67E-03	0.00E+00	1.82E-04	2.43E-03	0.00E+00	3.05E-05	4.14E-04	0.00E+00	1.33E-05	1.66E-04	0.00E+00
456	442168	3768982	1.61E-04	1.66E-03	0.00E+00	1.82E-04	2.41E-03	0.00E+00	3.05E-05	4.11E-04	0.00E+00	1.33E-05	1.65E-04	0.00E+00
457	442156.5	3769019	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.30E-03	0.00E+00	3.05E-05	3.92E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
458	442153.6	3769028	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.27E-03	0.00E+00	3.05E-05	3.87E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
459	442150.7	3769037	1.61E-04	1.54E-03	0.00E+00	1.82E-04	2.23E-03	0.00E+00	3.05E-05	3.81E-04	0.00E+00	1.33E-05	1.52E-04	0.00E+00
460	442147.9	3769046	1.61E-04	1.51E-03	0.00E+00	1.82E-04	2.20E-03	0.00E+00	3.05E-05	3.74E-04	0.00E+00	1.33E-05	1.50E-04	0.00E+00
461	442145	3769055	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.16E-03	0.00E+00	3.05E-05	3.68E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
462	442142.1	3769064	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.11E-03	0.00E+00	3.05E-05	3.61E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
463	442139.2	3769074	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.07E-03	0.00E+00	3.05E-05	3.53E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
464	442136.4	3769083	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.03E-03	0.00E+00	3.05E-05	3.46E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
465	442133.5	3769092	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.98E-03	0.00E+00	3.05E-05	3.38E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
466	442130.6	3769101	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.30E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
467	442127.8	3769110	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.89E-03	0.00E+00	3.05E-05	3.22E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
468	442124.9	3769119	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.84E-03	0.00E+00	3.05E-05	3.14E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
469	442122	3769128	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.79E-03	0.00E+00	3.05E-05	3.05E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
470	442119.1	3769137	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.74E-03	0.00E+00	3.05E-05	2.97E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
471	442116.3	3769146	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.89E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
472	442113.4	3769156	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.80E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
473	442110.5	3769165	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.72E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
474	442100.2	3769180	1.61E-04	1.04E-03	0.00E+00	1.82E-04	1.52E-03	0.00E+00	3.05E-05	2.59E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
475	442092.8	3769186	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.54E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
476	442085.4	3769192	1.61E-04	1.00E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.48E-04	0.00E+00	1.33E-05	9.94E-05	0.00E+00
477	442077.9	3769198	1.61E-04	9.80E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.43E-04	0.00E+00	1.33E-05	9.73E-05	0.00E+00

478	442070.5	3769204	1.61E-04	9.58E-04	0.00E+00	1.82E-04	1.39E-03	0.00E+00	3.05E-05	2.37E-04	0.00E+00	1.33E-05	9.51E-05	0.00E+00
479	442048.2	3769222	1.61E-04	8.91E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.21E-04	0.00E+00	1.33E-05	8.84E-05	0.00E+00
480	442040.8	3769228	1.61E-04	8.68E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.15E-04	0.00E+00	1.33E-05	8.62E-05	0.00E+00
481	441944.3	3769306	1.61E-04	5.87E-04	0.00E+00	1.82E-04	8.53E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.83E-05	0.00E+00
482	441936.8	3769312	1.61E-04	5.72E-04	0.00E+00	1.82E-04	8.32E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.68E-05	0.00E+00
483	441929.4	3769318	1.61E-04	5.58E-04	0.00E+00	1.82E-04	8.11E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.54E-05	0.00E+00
484	441922	3769324	1.61E-04	5.43E-04	0.00E+00	1.82E-04	7.90E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.39E-05	0.00E+00
485	441914.6	3769330	1.61E-04	5.29E-04	0.00E+00	1.82E-04	7.69E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.25E-05	0.00E+00
486	441907.1	3769336	1.61E-04	5.16E-04	0.00E+00	1.82E-04	7.50E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.12E-05	0.00E+00
487	441899.7	3769342	1.61E-04	5.03E-04	0.00E+00	1.82E-04	7.31E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	4.99E-05	0.00E+00
488	441892.3	3769348	1.61E-04	4.92E-04	0.00E+00	1.82E-04	7.15E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.88E-05	0.00E+00
489	441884.9	3769354	1.61E-04	4.81E-04	0.00E+00	1.82E-04	7.00E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.78E-05	0.00E+00
490	441847.7	3769385	1.61E-04	4.32E-04	0.00E+00	1.82E-04	6.28E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.29E-05	0.00E+00
491	441840.3	3769391	1.61E-04	4.23E-04	0.00E+00	1.82E-04	6.15E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.20E-05	0.00E+00
492	441832.9	3769397	1.61E-04	4.15E-04	0.00E+00	1.82E-04	6.03E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.12E-05	0.00E+00
493	441825.5	3769403	1.61E-04	4.07E-04	0.00E+00	1.82E-04	5.92E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.04E-05	0.00E+00
494	441818	3769409	1.61E-04	4.00E-04	0.00E+00	1.82E-04	5.81E-04	0.00E+00	3.05E-05	9.91E-05	0.00E+00	1.33E-05	3.97E-05	0.00E+00
495	441810.6	3769415	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.71E-04	0.00E+00	3.05E-05	9.74E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
496	441803.2	3769421	1.61E-04	3.87E-04	0.00E+00	1.82E-04	5.62E-04	0.00E+00	3.05E-05	9.59E-05	0.00E+00	1.33E-05	3.84E-05	0.00E+00
497	441795.8	3769427	1.61E-04	3.80E-04	0.00E+00	1.82E-04	5.53E-04	0.00E+00	3.05E-05	9.43E-05	0.00E+00	1.33E-05	3.78E-05	0.00E+00
498	442242.7	3768745	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.88E-03	0.00E+00	3.05E-05	3.21E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
499	442279.8	3768755	1.61E-04	1.22E-03	0.00E+00	1.82E-04	1.78E-03	0.00E+00	3.05E-05	3.03E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00
500	442276.9	3768764	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.11E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
501	442274	3768773	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.18E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
502	442271.1	3768783	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.25E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
503	442268.2	3768792	1.61E-04	1.34E-03	0.00E+00	1.82E-04	1.95E-03	0.00E+00	3.05E-05	3.32E-04	0.00E+00	1.33E-05	1.33E-04	0.00E+00
504	442265.3	3768801	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.99E-03	0.00E+00	3.05E-05	3.39E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
505	442262.4	3768810	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.03E-03	0.00E+00	3.05E-05	3.45E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
506	442259.5	3768819	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.52E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
507	442256.6	3768829	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.10E-03	0.00E+00	3.05E-05	3.57E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
508	442253.7	3768838	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.13E-03	0.00E+00	3.05E-05	3.63E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
509	442250.8	3768847	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.15E-03	0.00E+00	3.05E-05	3.67E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
510	442247.9	3768856	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.18E-03	0.00E+00	3.05E-05	3.72E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
511	442245	3768865	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.20E-03	0.00E+00	3.05E-05	3.75E-04	0.00E+00	1.33E-05	1.50E-04	0.00E+00
512	442242.1	3768875	1.61E-04	1.53E-03	0.00E+00	1.82E-04	2.22E-03	0.00E+00	3.05E-05	3.79E-04	0.00E+00	1.33E-05	1.52E-04	0.00E+00
513	442239.2	3768884	1.61E-04	1.54E-03	0.00E+00	1.82E-04	2.24E-03	0.00E+00	3.05E-05	3.82E-04	0.00E+00	1.33E-05	1.53E-04	0.00E+00
514	442236.3	3768893	1.61E-04	1.55E-03	0.00E+00	1.82E-04	2.26E-03	0.00E+00	3.05E-05	3.85E-04	0.00E+00	1.33E-05	1.54E-04	0.00E+00
515	442233.4	3768902	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.27E-03	0.00E+00	3.05E-05	3.87E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
516	442230.5	3768911	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.28E-03	0.00E+00	3.05E-05	3.89E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00
517	442227.6	3768920	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.29E-03	0.00E+00	3.05E-05	3.90E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00
518	442224.7	3768930	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.29E-03	0.00E+00	3.05E-05	3.91E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
519	442221.8	3768939	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.30E-03	0.00E+00	3.05E-05	3.92E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
520	442218.9	3768948	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.30E-03	0.00E+00	3.05E-05	3.92E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
521	442216	3768957	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.30E-03	0.00E+00	3.05E-05	3.92E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
522	442213.1	3768966	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.29E-03	0.00E+00	3.05E-05	3.90E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00
523	442210.2	3768976	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.28E-03	0.00E+00	3.05E-05	3.89E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00
524	442195.8	3769022	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.18E-03	0.00E+00	3.05E-05	3.72E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
525	442192.9	3769031	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.16E-03	0.00E+00	3.05E-05	3.68E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
526	442190	3769040	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.13E-03	0.00E+00	3.05E-05	3.62E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
527	442187.1	3769049	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.09E-03	0.00E+00	3.05E-05	3.57E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
528	442184.2	3769058	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.51E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
529	442181.3	3769068	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.45E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
530	442178.4	3769077	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.99E-03	0.00E+00	3.05E-05	3.39E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
531	442175.5	3769086	1.61E-04	1.34E-03	0.00E+00	1.82E-04	1.95E-03	0.00E+00	3.05E-05	3.32E-04	0.00E+00	1.33E-05	1.33E-04	0.00E+00
532	442172.6	3769095	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.25E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
533	442169.7	3769104	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.18E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
534	442166.8	3769114	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.11E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
535	442163.9	3769123	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.78E-03	0.00E+00	3.05E-05	3.04E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
536	442161	3769132	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.74E-03	0.00E+00	3.05E-05	2.97E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
537	442158.1	3769141	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.70E-03	0.00E+00	3.05E-05	2.89E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
538	442155.2	3769150	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.82E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
539	442152.3	3769160	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.74E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
540	442149.4	3769169	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.67E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
541	442146.5	3769178	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.52E-03	0.00E+00	3.05E-05	2.59E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
542	442143.6	3769187	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.52E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
543	442133.2	3769202	1.61E-04	9.66E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.39E-04	0.00E+00	1.33E-05	9.59E-05	0.00E+00
544	442103.3	3769227	1.61E-04	8.87E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.20E-04	0.00E+00	1.33E-05	8.81E-05	0.00E+00
545	442095.8	3769233	1.61E-04	8.67E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.15E-04	0.00E+00	1.33E-05	8.61E-05	0.00E+00
546	442088.3	3769239	1.61E-04	8.47E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.10E-04	0.00E+00	1.33E-05	8.41E-05	0.00E+00
547	442080.8	3769245	1.61E-04	8.27E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.05E-04	0.00E+00	1.33E-05	8.21E-05	0.00E+00
548	442073.3	3769251	1.61E-04	8.07E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	8.01E-05	0.00E+00
549	442065.8	3769257	1.61E-04	7.86E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.95E-04	0.00E+00	1.33E-05	7.80E-05	0.00E+00
550	442058.3	3769263	1.61E-04	7.66E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.60E-05	0.00E+00
551	442050.9	3769269	1.61E-04	7.46E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.85E-04	0.00E+00	1.33E-05	7.41E-05	0.00E+00
552	442043.4	3769275	1.61E-04	7.27E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.22E-05	0.00E+00
553	442035.9	3769281	1.61E-04	7.08E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.03E-05	0.00E+00
554	442028.4	3769287	1.61E-04	6.90E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.85E-05	0.00E+00
555	441908.6	3769385	1.61E-04	4.40E-04	0.00E+00	1.82E-04	6.39E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.36E-05	0.00E+00
556	441901.1	3769391	1.61E-04	4.31E-04	0.00E+00	1.82E-04	6.26E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.27E-05	0.00E+00
557	441893.6	3769397	1.61E-04	4.22E-04	0.00E+00	1.82E-04	6.14E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.19E-05	0.00E+00
558	441886.1	3769403	1.61E-04	4.14E-04	0.00E+00	1.82E-04	6.02E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.11E-05	0.00E+00
559	441878.6	3769409	1.61E-04	4.06E-04	0.00E+00	1.82E-04	5.90E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.03E-05	0.00E+00
560	441871.1	3769415	1.61E-04	3.98E-04	0.00E+00	1.82E-04	5.79E-04	0.00E+00	3.05E-05	9.86E-05	0.00E+00	1.33E-05	3.95E-05	0.00E+00
561	441863.7	3769421	1.61E-04	3.90E-04	0.00E+00	1.82E-04	5.67E-04	0.00E+00	3.05E-05	9.67E-05	0.00E+00	1.33E-05	3.87E-05	0.00E+00
562	441856.2	3769427	1.61E-04	3.83E-04	0.00E+00	1.82E-04	5.56E-04	0.00E+00	3.05E-05	9.48E-05	0.00E+00	1.33E-05	3.80E-05	0.00E+00
563	441848.7	3769433	1.61E-04	3.75E-04	0.00E+00	1.82E-04	5.46E-04	0.00E+00	3.05E-05	9.30E-05	0.00E+00	1.33E-05	3.73E-05	0.00E+00
564	441841.2	3769439	1.61E-04	3.68E-04	0.00E+00	1.82E-04	5.36E-04	0.00E+00	3.05E-05	9.13E-05	0.00E+00	1.33E-05	3.66E-05	0.00E+00
565	441833.7	3769445	1.61E-04	3.63E-04	0.00E+00	1.82E-04	5.28E-04	0.00E+00	3.05E-05	9.01E-05	0.00E+00	1.33E-05	3.61E-05	0.00E+00
566	441826.2	3769451	1.61E-04	3.58E-04	0.00E+00	1.82E-04	5.21E-04	0.00E+00	3.05E-05	8.88E-05	0.00E+00	1.33E-05	3.56E-05	0.00E+00
567	441818.7	3769457	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.12E-04	0.00E+00	3.05E-05	8.74E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00
568	442282.7	3768746	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.73E-03	0.00E+00	3.05E-05	2.95E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
569	442319.7	3768756	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.80E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
570	442316.8	3768765	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.68E-03	0.00E+00	3.05E-05	2.87E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
571	442313.9	3768774	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.72E-03	0.00E+00	3.05E-05	2.94E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
572	442311	3768783	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.76E-03	0.00E+00	3.05E-05	3.00E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
573	442308.1	3768793	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.80E-03	0.00E+00	3.05E-05	3.07E-04	0.00E+00	1.33E-05	1.23E-04	0.00E+00

574	442305.1	3768802	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.84E-03	0.00E+00	3.05E-05	3.13E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
575	442302.2	3768811	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.19E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
576	442299.3	3768820	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.24E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
577	442296.4	3768830	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.30E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
578	442293.5	3768839	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.96E-03	0.00E+00	3.05E-05	3.35E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
579	442290.5	3768848	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.99E-03	0.00E+00	3.05E-05	3.39E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
580	442287.6	3768857	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.44E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
581	442284.7	3768867	1.61E-04	1.40E-03	0.00E+00	1.82E-04	2.04E-03	0.00E+00	3.05E-05	3.48E-04	0.00E+00	1.33E-05	1.39E-04	0.00E+00
582	442281.8	3768876	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.51E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
583	442278.9	3768885	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.08E-03	0.00E+00	3.05E-05	3.54E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
584	442275.9	3768895	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.09E-03	0.00E+00	3.05E-05	3.57E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
585	442273	3768904	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.11E-03	0.00E+00	3.05E-05	3.59E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
586	442270.1	3768913	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.12E-03	0.00E+00	3.05E-05	3.62E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
587	442267.2	3768922	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.13E-03	0.00E+00	3.05E-05	3.63E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
588	442264.3	3768932	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.14E-03	0.00E+00	3.05E-05	3.65E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
589	442261.4	3768941	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.14E-03	0.00E+00	3.05E-05	3.66E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
590	442258.4	3768950	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.15E-03	0.00E+00	3.05E-05	3.66E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
591	442255.5	3768959	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.15E-03	0.00E+00	3.05E-05	3.66E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
592	442252.6	3768969	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.14E-03	0.00E+00	3.05E-05	3.65E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
593	442249.7	3768978	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.14E-03	0.00E+00	3.05E-05	3.64E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
594	442246.8	3768987	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.13E-03	0.00E+00	3.05E-05	3.63E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
595	442232.2	3769034	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.05E-03	0.00E+00	3.05E-05	3.49E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
596	442229.2	3769043	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.45E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
597	442226.3	3769052	1.61E-04	1.37E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.40E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
598	442223.4	3769061	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.97E-03	0.00E+00	3.05E-05	3.36E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
599	442220.5	3769071	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.30E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
600	442217.6	3769080	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.25E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
601	442214.7	3769089	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.19E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
602	442211.7	3769098	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.84E-03	0.00E+00	3.05E-05	3.13E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
603	442208.8	3769108	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.80E-03	0.00E+00	3.05E-05	3.07E-04	0.00E+00	1.33E-05	1.23E-04	0.00E+00
604	442205.9	3769117	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.76E-03	0.00E+00	3.05E-05	3.01E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
605	442203	3769126	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.73E-03	0.00E+00	3.05E-05	2.94E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
606	442200.1	3769135	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.88E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
607	442197.1	3769145	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.81E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
608	442194.2	3769154	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.74E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
609	442191.3	3769163	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.57E-03	0.00E+00	3.05E-05	2.67E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
610	442188.4	3769172	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.53E-03	0.00E+00	3.05E-05	2.61E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
611	442185.5	3769182	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.54E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
612	442182.5	3769191	1.61E-04	9.95E-04	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.47E-04	0.00E+00	1.33E-05	9.88E-05	0.00E+00
613	442179.6	3769200	1.61E-04	9.68E-04	0.00E+00	1.82E-04	1.41E-03	0.00E+00	3.05E-05	2.40E-04	0.00E+00	1.33E-05	9.61E-05	0.00E+00
614	442158.7	3769231	1.61E-04	8.77E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.17E-04	0.00E+00	1.33E-05	8.71E-05	0.00E+00
615	442151.2	3769237	1.61E-04	8.60E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.13E-04	0.00E+00	1.33E-05	8.53E-05	0.00E+00
616	442143.6	3769243	1.61E-04	8.42E-04	0.00E+00	1.82E-04	1.22E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.36E-05	0.00E+00
617	442136.1	3769249	1.61E-04	8.24E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.04E-04	0.00E+00	1.33E-05	8.18E-05	0.00E+00
618	442128.5	3769256	1.61E-04	8.06E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	8.00E-05	0.00E+00
619	442121	3769262	1.61E-04	7.88E-04	0.00E+00	1.82E-04	1.15E-03	0.00E+00	3.05E-05	1.95E-04	0.00E+00	1.33E-05	7.82E-05	0.00E+00
620	442113.4	3769268	1.61E-04	7.70E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.64E-05	0.00E+00
621	442105.9	3769274	1.61E-04	7.51E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.46E-05	0.00E+00
622	442098.3	3769280	1.61E-04	7.33E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.28E-05	0.00E+00
623	442090.8	3769286	1.61E-04	7.15E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.10E-05	0.00E+00
624	442083.2	3769292	1.61E-04	6.97E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.92E-05	0.00E+00
625	442075.7	3769298	1.61E-04	6.80E-04	0.00E+00	1.82E-04	9.88E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.75E-05	0.00E+00
626	442068.2	3769304	1.61E-04	6.63E-04	0.00E+00	1.82E-04	9.64E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.58E-05	0.00E+00
627	442060.6	3769311	1.61E-04	6.46E-04	0.00E+00	1.82E-04	9.39E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.42E-05	0.00E+00
628	442053.1	3769317	1.61E-04	6.30E-04	0.00E+00	1.82E-04	9.16E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.26E-05	0.00E+00
629	442045.5	3769323	1.61E-04	6.14E-04	0.00E+00	1.82E-04	8.93E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.10E-05	0.00E+00
630	442038	3769329	1.61E-04	5.98E-04	0.00E+00	1.82E-04	8.70E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.94E-05	0.00E+00
631	442030.4	3769335	1.61E-04	5.83E-04	0.00E+00	1.82E-04	8.48E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.79E-05	0.00E+00
632	442022.9	3769341	1.61E-04	5.45E-04	0.00E+00	1.82E-04	7.92E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.41E-05	0.00E+00
633	441970.1	3769384	1.61E-04	4.56E-04	0.00E+00	1.82E-04	6.63E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.53E-05	0.00E+00
634	441962.5	3769390	1.61E-04	4.47E-04	0.00E+00	1.82E-04	6.50E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.44E-05	0.00E+00
635	441955	3769396	1.61E-04	4.38E-04	0.00E+00	1.82E-04	6.36E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.35E-05	0.00E+00
636	441947.4	3769402	1.61E-04	4.28E-04	0.00E+00	1.82E-04	6.23E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.25E-05	0.00E+00
637	441939.9	3769408	1.61E-04	4.20E-04	0.00E+00	1.82E-04	6.10E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.17E-05	0.00E+00
638	441932.3	3769415	1.61E-04	4.12E-04	0.00E+00	1.82E-04	5.98E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.09E-05	0.00E+00
639	441924.8	3769421	1.61E-04	4.04E-04	0.00E+00	1.82E-04	5.87E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.01E-05	0.00E+00
640	441917.2	3769427	1.61E-04	3.96E-04	0.00E+00	1.82E-04	5.76E-04	0.00E+00	3.05E-05	9.81E-05	0.00E+00	1.33E-05	3.93E-05	0.00E+00
641	441909.7	3769433	1.61E-04	3.88E-04	0.00E+00	1.82E-04	5.64E-04	0.00E+00	3.05E-05	9.62E-05	0.00E+00	1.33E-05	3.85E-05	0.00E+00
642	441902.2	3769439	1.61E-04	3.80E-04	0.00E+00	1.82E-04	5.53E-04	0.00E+00	3.05E-05	9.43E-05	0.00E+00	1.33E-05	3.78E-05	0.00E+00
643	441894.6	3769445	1.61E-04	3.73E-04	0.00E+00	1.82E-04	5.43E-04	0.00E+00	3.05E-05	9.25E-05	0.00E+00	1.33E-05	3.71E-05	0.00E+00
644	441887.1	3769451	1.61E-04	3.66E-04	0.00E+00	1.82E-04	5.33E-04	0.00E+00	3.05E-05	9.08E-05	0.00E+00	1.33E-05	3.64E-05	0.00E+00
645	441879.5	3769457	1.61E-04	3.60E-04	0.00E+00	1.82E-04	5.23E-04	0.00E+00	3.05E-05	8.92E-05	0.00E+00	1.33E-05	3.57E-05	0.00E+00
646	441872	3769464	1.61E-04	3.54E-04	0.00E+00	1.82E-04	5.14E-04	0.00E+00	3.05E-05	8.76E-05	0.00E+00	1.33E-05	3.51E-05	0.00E+00
647	441864.4	3769470	1.61E-04	3.48E-04	0.00E+00	1.82E-04	5.06E-04	0.00E+00	3.05E-05	8.63E-05	0.00E+00	1.33E-05	3.46E-05	0.00E+00
648	441856.9	3769476	1.61E-04	3.42E-04	0.00E+00	1.82E-04	4.98E-04	0.00E+00	3.05E-05	8.49E-05	0.00E+00	1.33E-05	3.40E-05	0.00E+00
649	441849.3	3769482	1.61E-04	3.37E-04	0.00E+00	1.82E-04	4.90E-04	0.00E+00	3.05E-05	8.35E-05	0.00E+00	1.33E-05	3.34E-05	0.00E+00
650	441841.8	3769488	1.61E-04	3.31E-04	0.00E+00	1.82E-04	4.81E-04	0.00E+00	3.05E-05	8.21E-05	0.00E+00	1.33E-05	3.29E-05	0.00E+00
651	442322.7	3768746	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.72E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
652	442359.8	3768756	1.61E-04	1.04E-03	0.00E+00	1.82E-04	1.52E-03	0.00E+00	3.05E-05	2.58E-04	0.00E+00	1.33E-05	1.03E-04	0.00E+00
653	442356.9	3768765	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.55E-03	0.00E+00	3.05E-05	2.64E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
654	442354	3768774	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.59E-03	0.00E+00	3.05E-05	2.70E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
655	442351.1	3768783	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.62E-03	0.00E+00	3.05E-05	2.76E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
656	442348.2	3768793	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.66E-03	0.00E+00	3.05E-05	2.82E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
657	442345.3	3768802	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.88E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
658	442342.5	3768811	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.72E-03	0.00E+00	3.05E-05	2.94E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
659	442339.6	3768820	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.75E-03	0.00E+00	3.05E-05	2.99E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
660	442336.7	3768829	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.78E-03	0.00E+00	3.05E-05	3.04E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
661	442333.8	3768838	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.81E-03	0.00E+00	3.05E-05	3.08E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
662	442330.9	3768848	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.83E-03	0.00E+00	3.05E-05	3.13E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
663	442328	3768857	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.86E-03	0.00E+00	3.05E-05	3.17E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
664	442325.1	3768866	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.88E-03	0.00E+00	3.05E-05	3.21E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
665	442322.3	3768875	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.25E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
666	442319.4	3768884	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.29E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
667	442316.5	3768893	1.61E-04	1.34E-03	0.00E+00	1.82E-04	1.95E-03	0.00E+00	3.05E-05	3.32E-04	0.00E+00	1.33E-05	1.33E-04	0.00E+00
668	442313.6	3768902	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.96E-03	0.00E+00	3.05E-05	3.35E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
669	442310.7	3768912	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.98E-03	0.00E+00	3.05E-05	3.37E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00

670	442307.8	3768921	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.99E-03	0.00E+00	3.05E-05	3.39E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
671	442304.9	3768930	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.41E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
672	442302.1	3768939	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.42E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
673	442299.2	3768948	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.43E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
674	442296.3	3768957	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.43E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
675	442293.4	3768967	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.43E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
676	442290.5	3768976	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.43E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
677	442287.6	3768985	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.42E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
678	442284.8	3768994	1.61E-04	1.37E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.41E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
679	442281.9	3769003	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.99E-03	0.00E+00	3.05E-05	3.39E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
680	442267.4	3769049	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.26E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
681	442264.6	3769058	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.89E-03	0.00E+00	3.05E-05	3.22E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
682	442261.7	3769067	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.18E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
683	442258.8	3769076	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.84E-03	0.00E+00	3.05E-05	3.14E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
684	442255.9	3769086	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.10E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
685	442253	3769095	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.79E-03	0.00E+00	3.05E-05	3.05E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
686	442250.1	3769104	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.76E-03	0.00E+00	3.05E-05	3.00E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
687	442247.3	3769113	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.73E-03	0.00E+00	3.05E-05	2.94E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
688	442244.4	3769122	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.89E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
689	442241.5	3769131	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.66E-03	0.00E+00	3.05E-05	2.83E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
690	442238.6	3769141	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.77E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
691	442235.7	3769150	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.59E-03	0.00E+00	3.05E-05	2.72E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
692	442232.8	3769159	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.66E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
693	442229.9	3769168	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.52E-03	0.00E+00	3.05E-05	2.59E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
694	442227.1	3769177	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.53E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
695	442224.2	3769186	1.61E-04	9.98E-04	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.47E-04	0.00E+00	1.33E-05	9.91E-05	0.00E+00
696	442221.3	3769196	1.61E-04	9.73E-04	0.00E+00	1.82E-04	1.41E-03	0.00E+00	3.05E-05	2.41E-04	0.00E+00	1.33E-05	9.66E-05	0.00E+00
697	442218.4	3769205	1.61E-04	9.48E-04	0.00E+00	1.82E-04	1.38E-03	0.00E+00	3.05E-05	2.35E-04	0.00E+00	1.33E-05	9.41E-05	0.00E+00
698	442209.7	3769232	1.61E-04	8.73E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.16E-04	0.00E+00	1.33E-05	8.67E-05	0.00E+00
699	442199.4	3769247	1.61E-04	8.33E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.06E-04	0.00E+00	1.33E-05	8.27E-05	0.00E+00
700	442191.9	3769253	1.61E-04	8.17E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.02E-04	0.00E+00	1.33E-05	8.11E-05	0.00E+00
701	442184.5	3769259	1.61E-04	8.01E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.98E-04	0.00E+00	1.33E-05	7.95E-05	0.00E+00
702	442177	3769265	1.61E-04	7.85E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.79E-05	0.00E+00
703	442169.6	3769272	1.61E-04	7.68E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.63E-05	0.00E+00
704	442162.1	3769278	1.61E-04	7.52E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.47E-05	0.00E+00
705	442154.7	3769284	1.61E-04	7.36E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.31E-05	0.00E+00
706	442147.2	3769290	1.61E-04	7.20E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.14E-05	0.00E+00
707	442139.7	3769296	1.61E-04	7.03E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.98E-05	0.00E+00
708	442132.3	3769302	1.61E-04	6.87E-04	0.00E+00	1.82E-04	9.99E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.82E-05	0.00E+00
709	442124.8	3769308	1.61E-04	6.71E-04	0.00E+00	1.82E-04	9.76E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.67E-05	0.00E+00
710	442117.4	3769314	1.61E-04	6.56E-04	0.00E+00	1.82E-04	9.53E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.51E-05	0.00E+00
711	442109.9	3769320	1.61E-04	6.40E-04	0.00E+00	1.82E-04	9.30E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.35E-05	0.00E+00
712	442102.5	3769326	1.61E-04	6.25E-04	0.00E+00	1.82E-04	9.09E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.21E-05	0.00E+00
713	442095	3769332	1.61E-04	6.10E-04	0.00E+00	1.82E-04	8.87E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.06E-05	0.00E+00
714	442087.5	3769338	1.61E-04	5.96E-04	0.00E+00	1.82E-04	8.67E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.92E-05	0.00E+00
715	442080.1	3769344	1.61E-04	5.82E-04	0.00E+00	1.82E-04	8.46E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.78E-05	0.00E+00
716	442072.6	3769350	1.61E-04	5.68E-04	0.00E+00	1.82E-04	8.26E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.64E-05	0.00E+00
717	442065.2	3769356	1.61E-04	5.55E-04	0.00E+00	1.82E-04	8.06E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.51E-05	0.00E+00
718	442027.9	3769386	1.61E-04	4.72E-04	0.00E+00	1.82E-04	6.86E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.69E-05	0.00E+00
719	442020.4	3769392	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.68E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.56E-05	0.00E+00
720	442013	3769399	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.53E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
721	441983.1	3769423	1.61E-04	4.30E-04	0.00E+00	1.82E-04	6.25E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.27E-05	0.00E+00
722	441975.7	3769429	1.61E-04	4.21E-04	0.00E+00	1.82E-04	6.12E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.18E-05	0.00E+00
723	441968.2	3769435	1.61E-04	4.12E-04	0.00E+00	1.82E-04	6.00E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.09E-05	0.00E+00
724	441960.8	3769441	1.61E-04	4.04E-04	0.00E+00	1.82E-04	5.88E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.01E-05	0.00E+00
725	441953.3	3769447	1.61E-04	3.96E-04	0.00E+00	1.82E-04	5.76E-04	0.00E+00	3.05E-05	9.82E-05	0.00E+00	1.33E-05	3.93E-05	0.00E+00
726	441945.8	3769453	1.61E-04	3.88E-04	0.00E+00	1.82E-04	5.64E-04	0.00E+00	3.05E-05	9.62E-05	0.00E+00	1.33E-05	3.85E-05	0.00E+00
727	441938.4	3769459	1.61E-04	3.81E-04	0.00E+00	1.82E-04	5.53E-04	0.00E+00	3.05E-05	9.44E-05	0.00E+00	1.33E-05	3.78E-05	0.00E+00
728	441930.9	3769465	1.61E-04	3.73E-04	0.00E+00	1.82E-04	5.43E-04	0.00E+00	3.05E-05	9.26E-05	0.00E+00	1.33E-05	3.71E-05	0.00E+00
729	441923.5	3769471	1.61E-04	3.66E-04	0.00E+00	1.82E-04	5.33E-04	0.00E+00	3.05E-05	9.08E-05	0.00E+00	1.33E-05	3.64E-05	0.00E+00
730	441916	3769477	1.61E-04	3.60E-04	0.00E+00	1.82E-04	5.23E-04	0.00E+00	3.05E-05	8.91E-05	0.00E+00	1.33E-05	3.57E-05	0.00E+00
731	441908.6	3769483	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.13E-04	0.00E+00	3.05E-05	8.75E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00
732	441901.1	3769489	1.61E-04	3.47E-04	0.00E+00	1.82E-04	5.04E-04	0.00E+00	3.05E-05	8.59E-05	0.00E+00	1.33E-05	3.44E-05	0.00E+00
733	441893.6	3769495	1.61E-04	3.40E-04	0.00E+00	1.82E-04	4.95E-04	0.00E+00	3.05E-05	8.43E-05	0.00E+00	1.33E-05	3.38E-05	0.00E+00
734	441886.2	3769501	1.61E-04	3.28E-04	0.00E+00	1.82E-04	4.76E-04	0.00E+00	3.05E-05	8.12E-05	0.00E+00	1.33E-05	3.25E-05	0.00E+00
735	441878.7	3769507	1.61E-04	3.22E-04	0.00E+00	1.82E-04	4.68E-04	0.00E+00	3.05E-05	7.98E-05	0.00E+00	1.33E-05	3.19E-05	0.00E+00
736	441871.3	3769513	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.60E-04	0.00E+00	3.05E-05	7.84E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
737	441863.8	3769519	1.61E-04	3.11E-04	0.00E+00	1.82E-04	4.52E-04	0.00E+00	3.05E-05	7.71E-05	0.00E+00	1.33E-05	3.09E-05	0.00E+00
738	441856.4	3769525	1.61E-04	3.06E-04	0.00E+00	1.82E-04	4.44E-04	0.00E+00	3.05E-05	7.57E-05	0.00E+00	1.33E-05	3.03E-05	0.00E+00
739	441848.9	3769532	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.36E-04	0.00E+00	3.05E-05	7.43E-05	0.00E+00	1.33E-05	2.98E-05	0.00E+00
740	441841.4	3769538	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.28E-04	0.00E+00	3.05E-05	7.29E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
741	442362.6	3768747	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.52E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
742	441531.1	3768702	1.61E-04	1.94E-02	0.00E+00	1.82E-04	2.82E-02	0.00E+00	3.05E-05	4.81E-03	0.00E+00	1.33E-05	1.93E-03	0.00E+00
743	441815.7	3769038	1.61E-04	1.92E-03	0.00E+00	1.82E-04	2.79E-03	0.00E+00	3.05E-05	4.76E-04	0.00E+00	1.33E-05	1.91E-04	0.00E+00
744	441841.8	3769068	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.40E-03	0.00E+00	3.05E-05	4.09E-04	0.00E+00	1.33E-05	1.64E-04	0.00E+00
745	441867.8	3769098	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.09E-03	0.00E+00	3.05E-05	3.55E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
746	441893.9	3769129	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.10E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
747	441919.9	3769159	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.73E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
748	441946	3769189	1.61E-04	9.76E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.42E-04	0.00E+00	1.33E-05	9.69E-05	0.00E+00
749	441494.4	3768647	1.61E-04	2.75E-02	0.00E+00	1.82E-04	4.00E-02	0.00E+00	3.05E-05	6.82E-03	0.00E+00	1.33E-05	2.73E-03	0.00E+00
750	441494	3768667	1.61E-04	2.73E-02	0.00E+00	1.82E-04	3.98E-02	0.00E+00	3.05E-05	6.78E-03	0.00E+00	1.33E-05	2.71E-03	0.00E+00
751	441493.6	3768687	1.61E-04	2.76E-02	0.00E+00	1.82E-04	4.02E-02	0.00E+00	3.05E-05	6.85E-03	0.00E+00	1.33E-05	2.74E-03	0.00E+00
752	441474.1	3768706	1.61E-04	3.61E-02	0.00E+00	1.82E-04	5.25E-02	0.00E+00	3.05E-05	8.95E-03	0.00E+00	1.33E-05	3.59E-03	0.00E+00
753	441493.2	3768707	1.61E-04	2.79E-02	0.00E+00	1.82E-04	4.05E-02	0.00E+00	3.05E-05	6.91E-03	0.00E+00	1.33E-05	2.77E-03	0.00E+00
754	441473.7	3768726	1.61E-04	3.52E-02	0.00E+00	1.82E-04	5.12E-02	0.00E+00	3.05E-05	8.73E-03	0.00E+00	1.33E-05	3.50E-03	0.00E+00
755	441492.9	3768727	1.61E-04	2.74E-02	0.00E+00	1.82E-04	3.98E-02	0.00E+00	3.05E-05	6.79E-03	0.00E+00	1.33E-05	2.72E-03	0.00E+00
756	441454.4	3769246	1.61E-04	5.26E-04	0.00E+00	1.82E-04	7.65E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.22E-05	0.00E+00
757	441463.9	3769246	1.61E-04	5.32E-04	0.00E+00	1.82E-04	7.73E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.28E-05	0.00E+00
758	441473.5	3769246	1.61E-04	5.37E-04	0.00E+00	1.82E-04	7.81E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.33E-05	0.00E+00
759	441483.1	3769247	1.61E-04	5.43E-04	0.00E+00	1.82E-04	7.89E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.39E-05	0.00E+00
760	441453.6	3769286	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.52E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
761	441463.2	3769286	1.61E-04	4.53E-04	0.00E+00	1.82E-04	6.59E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.50E-05	0.00E+00
762	441472.8	3769286	1.61E-04	4.57E-04	0.00E+00	1.82E-04	6.65E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.54E-05	0.00E+00
763	441482.3	3769287	1.61E-04	4.62E-04	0.00E+00	1.82E-04	6.71E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.58E-05	0.00E+00
764	441452.9	3769326	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.71E-04	0.00E+00	3.05E-05	9.73E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
765	441462.4	3769326	1.61E-04	3.96E-04	0.00E+00	1.82E-04	5.75E-04	0.00E+00	3.05E-05	9.80E-05	0.00E+00	1.33E-05	3.93E-05	0.00E+00

766	441472	3769326	1.61E-04	3.98E-04	0.00E+00	1.82E-04	5.79E-04	0.00E+00	3.05E-05	9.87E-05	0.00E+00	1.33E-05	3.95E-05	0.00E+00
767	441481.6	3769327	1.61E-04	4.01E-04	0.00E+00	1.82E-04	5.83E-04	0.00E+00	3.05E-05	9.95E-05	0.00E+00	1.33E-05	3.98E-05	0.00E+00
768	441451.4	3769406	1.61E-04	3.15E-04	0.00E+00	1.82E-04	4.59E-04	0.00E+00	3.05E-05	7.82E-05	0.00E+00	1.33E-05	3.13E-05	0.00E+00
769	441460.9	3769406	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.63E-04	0.00E+00	3.05E-05	7.90E-05	0.00E+00	1.33E-05	3.16E-05	0.00E+00
770	441470.5	3769406	1.61E-04	3.22E-04	0.00E+00	1.82E-04	4.68E-04	0.00E+00	3.05E-05	7.97E-05	0.00E+00	1.33E-05	3.19E-05	0.00E+00
771	441480.1	3769407	1.61E-04	3.25E-04	0.00E+00	1.82E-04	4.72E-04	0.00E+00	3.05E-05	8.05E-05	0.00E+00	1.33E-05	3.23E-05	0.00E+00
772	441450.6	3769446	1.61E-04	2.87E-04	0.00E+00	1.82E-04	4.17E-04	0.00E+00	3.05E-05	7.11E-05	0.00E+00	1.33E-05	2.85E-05	0.00E+00
773	441460.2	3769446	1.61E-04	2.89E-04	0.00E+00	1.82E-04	4.20E-04	0.00E+00	3.05E-05	7.17E-05	0.00E+00	1.33E-05	2.87E-05	0.00E+00
774	441469.8	3769446	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.24E-04	0.00E+00	3.05E-05	7.22E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
775	441479.3	3769447	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.27E-04	0.00E+00	3.05E-05	7.28E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
776	441449.9	3769486	1.61E-04	2.59E-04	0.00E+00	1.82E-04	3.77E-04	0.00E+00	3.05E-05	6.43E-05	0.00E+00	1.33E-05	2.57E-05	0.00E+00
777	441459.4	3769486	1.61E-04	2.62E-04	0.00E+00	1.82E-04	3.80E-04	0.00E+00	3.05E-05	6.48E-05	0.00E+00	1.33E-05	2.60E-05	0.00E+00
778	441469	3769486	1.61E-04	2.64E-04	0.00E+00	1.82E-04	3.84E-04	0.00E+00	3.05E-05	6.54E-05	0.00E+00	1.33E-05	2.62E-05	0.00E+00
779	441478.6	3769487	1.61E-04	2.66E-04	0.00E+00	1.82E-04	3.87E-04	0.00E+00	3.05E-05	6.60E-05	0.00E+00	1.33E-05	2.64E-05	0.00E+00
780	441449.1	3769526	1.61E-04	2.34E-04	0.00E+00	1.82E-04	3.40E-04	0.00E+00	3.05E-05	5.80E-05	0.00E+00	1.33E-05	2.32E-05	0.00E+00
781	441458.7	3769526	1.61E-04	2.36E-04	0.00E+00	1.82E-04	3.43E-04	0.00E+00	3.05E-05	5.85E-05	0.00E+00	1.33E-05	2.34E-05	0.00E+00
782	441468.3	3769526	1.61E-04	2.38E-04	0.00E+00	1.82E-04	3.46E-04	0.00E+00	3.05E-05	5.90E-05	0.00E+00	1.33E-05	2.36E-05	0.00E+00
783	441477.8	3769527	1.61E-04	2.40E-04	0.00E+00	1.82E-04	3.49E-04	0.00E+00	3.05E-05	5.96E-05	0.00E+00	1.33E-05	2.39E-05	0.00E+00
784	441514.7	3768627	1.61E-04	2.48E-02	0.00E+00	1.82E-04	3.61E-02	0.00E+00	3.05E-05	6.15E-03	0.00E+00	1.33E-05	2.46E-03	0.00E+00
785	441514.7	3768617	1.61E-04	2.50E-02	0.00E+00	1.82E-04	3.63E-02	0.00E+00	3.05E-05	6.19E-03	0.00E+00	1.33E-05	2.48E-03	0.00E+00
786	441514.6	3768607	1.61E-04	2.44E-02	0.00E+00	1.82E-04	3.54E-02	0.00E+00	3.05E-05	6.04E-03	0.00E+00	1.33E-05	2.42E-03	0.00E+00
787	441514.5	3768597	1.61E-04	2.32E-02	0.00E+00	1.82E-04	3.37E-02	0.00E+00	3.05E-05	5.75E-03	0.00E+00	1.33E-05	2.30E-03	0.00E+00
788	441514.4	3768587	1.61E-04	2.16E-02	0.00E+00	1.82E-04	3.14E-02	0.00E+00	3.05E-05	5.34E-03	0.00E+00	1.33E-05	2.14E-03	0.00E+00
789	441514.3	3768577	1.61E-04	1.98E-02	0.00E+00	1.82E-04	2.88E-02	0.00E+00	3.05E-05	4.90E-03	0.00E+00	1.33E-05	1.96E-03	0.00E+00
790	441514.2	3768567	1.61E-04	1.77E-02	0.00E+00	1.82E-04	2.58E-02	0.00E+00	3.05E-05	4.40E-03	0.00E+00	1.33E-05	1.76E-03	0.00E+00
791	441514.1	3768558	1.61E-04	1.52E-02	0.00E+00	1.82E-04	2.22E-02	0.00E+00	3.05E-05	3.78E-03	0.00E+00	1.33E-05	1.51E-03	0.00E+00
792	441514	3768548	1.61E-04	1.22E-02	0.00E+00	1.82E-04	1.77E-02	0.00E+00	3.05E-05	3.02E-03	0.00E+00	1.33E-05	1.21E-03	0.00E+00
793	441531.8	3768634	1.61E-04	1.96E-02	0.00E+00	1.82E-04	2.85E-02	0.00E+00	3.05E-05	4.85E-03	0.00E+00	1.33E-05	1.94E-03	0.00E+00
794	441534.7	3768617	1.61E-04	1.86E-02	0.00E+00	1.82E-04	2.70E-02	0.00E+00	3.05E-05	4.60E-03	0.00E+00	1.33E-05	1.84E-03	0.00E+00
795	441534.6	3768607	1.61E-04	1.79E-02	0.00E+00	1.82E-04	2.60E-02	0.00E+00	3.05E-05	4.43E-03	0.00E+00	1.33E-05	1.77E-03	0.00E+00
796	441534.5	3768597	1.61E-04	1.68E-02	0.00E+00	1.82E-04	2.44E-02	0.00E+00	3.05E-05	4.17E-03	0.00E+00	1.33E-05	1.67E-03	0.00E+00
797	441534.4	3768587	1.61E-04	1.54E-02	0.00E+00	1.82E-04	2.24E-02	0.00E+00	3.05E-05	3.81E-03	0.00E+00	1.33E-05	1.53E-03	0.00E+00
798	441534.3	3768577	1.61E-04	1.38E-02	0.00E+00	1.82E-04	2.01E-02	0.00E+00	3.05E-05	3.43E-03	0.00E+00	1.33E-05	1.37E-03	0.00E+00
799	441534.2	3768567	1.61E-04	1.22E-02	0.00E+00	1.82E-04	1.77E-02	0.00E+00	3.05E-05	3.02E-03	0.00E+00	1.33E-05	1.21E-03	0.00E+00
800	441534.1	3768557	1.61E-04	1.05E-02	0.00E+00	1.82E-04	1.53E-02	0.00E+00	3.05E-05	2.60E-03	0.00E+00	1.33E-05	1.04E-03	0.00E+00
801	441534	3768548	1.61E-04	8.75E-03	0.00E+00	1.82E-04	1.27E-02	0.00E+00	3.05E-05	2.17E-03	0.00E+00	1.33E-05	8.68E-04	0.00E+00
802	441554.7	3768626	1.61E-04	1.48E-02	0.00E+00	1.82E-04	2.15E-02	0.00E+00	3.05E-05	3.66E-03	0.00E+00	1.33E-05	1.47E-03	0.00E+00
803	441554.7	3768616	1.61E-04	1.43E-02	0.00E+00	1.82E-04	2.08E-02	0.00E+00	3.05E-05	3.54E-03	0.00E+00	1.33E-05	1.42E-03	0.00E+00
804	441554.6	3768606	1.61E-04	1.36E-02	0.00E+00	1.82E-04	1.98E-02	0.00E+00	3.05E-05	3.37E-03	0.00E+00	1.33E-05	1.35E-03	0.00E+00
805	441554.5	3768597	1.61E-04	1.27E-02	0.00E+00	1.82E-04	1.85E-02	0.00E+00	3.05E-05	3.15E-03	0.00E+00	1.33E-05	1.26E-03	0.00E+00
806	441554.4	3768587	1.61E-04	1.17E-02	0.00E+00	1.82E-04	1.69E-02	0.00E+00	3.05E-05	2.89E-03	0.00E+00	1.33E-05	1.16E-03	0.00E+00
807	441554.3	3768577	1.61E-04	1.05E-02	0.00E+00	1.82E-04	1.52E-02	0.00E+00	3.05E-05	2.60E-03	0.00E+00	1.33E-05	1.04E-03	0.00E+00
808	441554.2	3768567	1.61E-04	9.27E-03	0.00E+00	1.82E-04	1.35E-02	0.00E+00	3.05E-05	2.30E-03	0.00E+00	1.33E-05	9.21E-04	0.00E+00
809	441554.1	3768557	1.61E-04	8.09E-03	0.00E+00	1.82E-04	1.18E-02	0.00E+00	3.05E-05	2.00E-03	0.00E+00	1.33E-05	8.03E-04	0.00E+00
810	441554	3768547	1.61E-04	6.94E-03	0.00E+00	1.82E-04	1.01E-02	0.00E+00	3.05E-05	1.72E-03	0.00E+00	1.33E-05	6.89E-04	0.00E+00
811	441554.4	3768675	1.61E-04	1.54E-02	0.00E+00	1.82E-04	2.24E-02	0.00E+00	3.05E-05	3.83E-03	0.00E+00	1.33E-05	1.53E-03	0.00E+00
812	441534.5	3768690	1.61E-04	1.87E-02	0.00E+00	1.82E-04	2.72E-02	0.00E+00	3.05E-05	4.64E-03	0.00E+00	1.33E-05	1.86E-03	0.00E+00
813	441574.7	3768626	1.61E-04	1.19E-02	0.00E+00	1.82E-04	1.73E-02	0.00E+00	3.05E-05	2.95E-03	0.00E+00	1.33E-05	1.18E-03	0.00E+00
814	441574.7	3768616	1.61E-04	1.14E-02	0.00E+00	1.82E-04	1.66E-02	0.00E+00	3.05E-05	2.83E-03	0.00E+00	1.33E-05	1.13E-03	0.00E+00
815	441574.6	3768606	1.61E-04	1.08E-02	0.00E+00	1.82E-04	1.57E-02	0.00E+00	3.05E-05	2.67E-03	0.00E+00	1.33E-05	1.07E-03	0.00E+00
816	441574.5	3768596	1.61E-04	1.01E-02	0.00E+00	1.82E-04	1.46E-02	0.00E+00	3.05E-05	2.49E-03	0.00E+00	1.33E-05	9.99E-04	0.00E+00
817	441574.4	3768587	1.61E-04	9.29E-03	0.00E+00	1.82E-04	1.35E-02	0.00E+00	3.05E-05	2.30E-03	0.00E+00	1.33E-05	9.22E-04	0.00E+00
818	441574.3	3768577	1.61E-04	8.44E-03	0.00E+00	1.82E-04	1.23E-02	0.00E+00	3.05E-05	2.09E-03	0.00E+00	1.33E-05	8.37E-04	0.00E+00
819	441574.2	3768567	1.61E-04	7.55E-03	0.00E+00	1.82E-04	1.10E-02	0.00E+00	3.05E-05	1.87E-03	0.00E+00	1.33E-05	7.49E-04	0.00E+00
820	441574.1	3768557	1.61E-04	6.66E-03	0.00E+00	1.82E-04	9.68E-03	0.00E+00	3.05E-05	1.65E-03	0.00E+00	1.33E-05	6.61E-04	0.00E+00
821	441574	3768547	1.61E-04	5.82E-03	0.00E+00	1.82E-04	8.46E-03	0.00E+00	3.05E-05	1.44E-03	0.00E+00	1.33E-05	5.77E-04	0.00E+00
822	441572.5	3768680	1.61E-04	1.33E-02	0.00E+00	1.82E-04	1.93E-02	0.00E+00	3.05E-05	3.30E-03	0.00E+00	1.33E-05	1.32E-03	0.00E+00
823	441594.7	3768626	1.61E-04	9.94E-03	0.00E+00	1.82E-04	1.45E-02	0.00E+00	3.05E-05	2.46E-03	0.00E+00	1.33E-05	9.87E-04	0.00E+00
824	441594.6	3768616	1.61E-04	9.53E-03	0.00E+00	1.82E-04	1.39E-02	0.00E+00	3.05E-05	2.36E-03	0.00E+00	1.33E-05	9.46E-04	0.00E+00
825	441594.6	3768606	1.61E-04	9.04E-03	0.00E+00	1.82E-04	1.31E-02	0.00E+00	3.05E-05	2.24E-03	0.00E+00	1.33E-05	8.97E-04	0.00E+00
826	441594.5	3768596	1.61E-04	8.45E-03	0.00E+00	1.82E-04	1.23E-02	0.00E+00	3.05E-05	2.09E-03	0.00E+00	1.33E-05	8.39E-04	0.00E+00
827	441594.4	3768586	1.61E-04	7.79E-03	0.00E+00	1.82E-04	1.13E-02	0.00E+00	3.05E-05	1.93E-03	0.00E+00	1.33E-05	7.73E-04	0.00E+00
828	441594.3	3768577	1.61E-04	7.09E-03	0.00E+00	1.82E-04	1.03E-02	0.00E+00	3.05E-05	1.76E-03	0.00E+00	1.33E-05	7.04E-04	0.00E+00
829	441594.2	3768567	1.61E-04	6.37E-03	0.00E+00	1.82E-04	9.26E-03	0.00E+00	3.05E-05	1.58E-03	0.00E+00	1.33E-05	6.33E-04	0.00E+00
830	441594.1	3768557	1.61E-04	5.66E-03	0.00E+00	1.82E-04	8.22E-03	0.00E+00	3.05E-05	1.40E-03	0.00E+00	1.33E-05	5.62E-04	0.00E+00
831	441594	3768547	1.61E-04	4.99E-03	0.00E+00	1.82E-04	7.26E-03	0.00E+00	3.05E-05	1.24E-03	0.00E+00	1.33E-05	4.96E-04	0.00E+00
832	441593.4	3768677	1.61E-04	1.15E-02	0.00E+00	1.82E-04	1.67E-02	0.00E+00	3.05E-05	2.84E-03	0.00E+00	1.33E-05	1.14E-03	0.00E+00
833	441614.7	3768626	1.61E-04	8.50E-03	0.00E+00	1.82E-04	1.23E-02	0.00E+00	3.05E-05	2.11E-03	0.00E+00	1.33E-05	8.43E-04	0.00E+00
834	441614.6	3768616	1.61E-04	8.11E-03	0.00E+00	1.82E-04	1.18E-02	0.00E+00	3.05E-05	2.01E-03	0.00E+00	1.33E-05	8.05E-04	0.00E+00
835	441614.6	3768606	1.61E-04	7.68E-03	0.00E+00	1.82E-04	1.12E-02	0.00E+00	3.05E-05	1.90E-03	0.00E+00	1.33E-05	7.62E-04	0.00E+00
836	441614.5	3768596	1.61E-04	7.18E-03	0.00E+00	1.82E-04	1.04E-02	0.00E+00	3.05E-05	1.78E-03	0.00E+00	1.33E-05	7.13E-04	0.00E+00
837	441614.4	3768586	1.61E-04	6.62E-03	0.00E+00	1.82E-04	9.63E-03	0.00E+00	3.05E-05	1.64E-03	0.00E+00	1.33E-05	6.57E-04	0.00E+00
838	441614.3	3768576	1.61E-04	6.05E-03	0.00E+00	1.82E-04	8.79E-03	0.00E+00	3.05E-05	1.50E-03	0.00E+00	1.33E-05	6.01E-04	0.00E+00
839	441614.2	3768567	1.61E-04	5.47E-03	0.00E+00	1.82E-04	7.95E-03	0.00E+00	3.05E-05	1.36E-03	0.00E+00	1.33E-05	5.43E-04	0.00E+00
840	441614.1	3768557	1.61E-04	4.90E-03	0.00E+00	1.82E-04	7.12E-03	0.00E+00	3.05E-05	1.21E-03	0.00E+00	1.33E-05	4.86E-04	0.00E+00
841	441614	3768547	1.61E-04	4.37E-03	0.00E+00	1.82E-04	6.35E-03	0.00E+00	3.05E-05	1.08E-03	0.00E+00	1.33E-05	4.33E-04	0.00E+00
842	441614	3768676	1.61E-04	1.02E-02	0.00E+00	1.82E-04	1.48E-02	0.00E+00	3.05E-05	2.52E-03	0.00E+00	1.33E-05	1.01E-03	0.00E+00
843	441634.7	3768625	1.61E-04	7.40E-03	0.00E+00	1.82E-04	1.08E-02	0.00E+00	3.05E-05	1.83E-03	0.00E+00	1.33E-05	7.34E-04	0.00E+00
844	441634.6	3768616	1.61E-04	7.03E-03	0.00E+00	1.82E-04	1.02E-02	0.00E+00	3.05E-05	1.74E-03	0.00E+00	1.33E-05	6.98E-04	0.00E+00
845	441634.6	3768606	1.61E-04	6.63E-03	0.00E+00	1.82E-04	9.63E-03	0.00E+00	3.05E-05	1.64E-03	0.00E+00	1.33E-05	6.58E-04	0.00E+00
846	441634.5	3768596	1.61E-04	6.18E-03	0.00E+00	1.82E-04	8.99E-03	0.00E+00	3.05E-05	1.53E-03	0.00E+00	1.33E-05	6.14E-04	0.00E+00
847	441634.4	3768586	1.61E-04	5.71E-03	0.00E+00	1.82E-04	8.31E-03	0.00E+00	3.05E-05	1.42E-03	0.00E+00	1.33E-05	5.67E-04	0.00E+00
848	441634.3	3768576	1.61E-04	5.24E-03	0.00E+00	1.82E-04	7.62E-03	0.00E+00	3.05E-05	1.30E-03	0.00E+00	1.33E-05	5.20E-04	0.00E+00
849	441634.2	3768566	1.61E-04	4.77E-03	0.00E+00	1.82E-04	6.93E-03	0.00E+00	3.05E-05	1.18E-03	0.00E+00	1.33E-05	4.73E-04	0.00E+00
850	441634.1	3768557	1.61E-04	4.30E-03	0.00E+00	1.82E-04	6.25E-03	0.00E+00	3.05E-05	1.07E-03	0.00E+00	1.33E-05	4.27E-04	0.00E+00
851	441634	3768547	1.61E-04	3.87E-03	0.00E+00	1.82E-04	5.63E-03	0.00E+00	3.05E-05	9.59E-04	0.00E+00	1.33E-05	3.84E-04	0.00E+00
852	441654.7	3768625	1.61E-04	6.58E-03	0.00E+00	1.82E-04	9.57E-03	0.00E+00	3.05E-05	1.63E-03	0.00E+00	1.33E-05	6.54E-04	0.00E+00
853	441654.6	3768615	1.61E-04	6.21E-03	0.00E+00	1.82E-04	9.02E-03	0.00E+00	3.05E-05	1.54E-03	0.00E+00	1.33E-05	6.16E-04	0.00E+00
854	441654.6	3768606	1.61E-04	5.81E-03	0.00E+00	1.82E-04	8.44E-03	0.00E+00	3.05E-05	1.44E-03	0.00E+00	1.33E-05	5.77E-04	0.00E+00
855	441654.5	3768596	1.61E-04	5.41E-03	0.00E+00	1.82E-04	7.86E-03	0.00E+00	3.05E-05	1.34E-03	0.00E+00	1.33E-05	5.37E-04	0.00E+00
856	441654.4	3768586	1.61E-04	5.01E-03	0.00E+00	1.82E-04	7.28E-03	0.00E+00	3.05E-05	1.24E-03	0.00E+00	1.33E-05	4.97E-04	0.00E+00
857	441654.3	3768576	1.61E-04	4.61E-03	0.00E+00	1.82E-04	6.70E-03	0.00E+00	3.05E-05	1.14E-03	0.00E+00	1.33E-05	4.58E-04	0.00E+00
858	441654.2	3768566	1.61E-04	4.21E-03	0.00E+00	1.82E-04	6.13E-03	0.00E+00	3.05E-05	1.04E-03	0.00E+00	1.33E-05	4.18E-04	0.00E+00
859	441654.1	3768556	1.61E-04	3.83E-03	0.00E+00	1.82E-04	5.57E-03	0.00E+00	3.05E-05	9.49E-04	0.00E+00	1.33E-05	3.80E-04	0.00E+00
860	441654	3768546	1.61E-04	3.47E-03	0.00E+00	1.82E-04	5.05E-03	0.00E+00	3.05E-05	8.61E-04	0.00E+00	1.33E-05	3.45E-04	0.00E+00
861	441694.7	3768625	1.61E-04	5.21E-03	0.00E+00	1.82E-04	7.57E-03	0.00E+00	3.05E-05	1.29E-03	0.00E+00	1.33E-05	5.17E-04	0.00E+00

862	441694.6	3768615	1.61E-04	4.92E-03	0.00E+00	1.82E-04	7.15E-03	0.00E+00	3.05E-05	1.22E-03	0.00E+00	1.33E-05	4.88E-04	0.00E+00
863	441694.6	3768605	1.61E-04	4.62E-03	0.00E+00	1.82E-04	6.72E-03	0.00E+00	3.05E-05	1.14E-03	0.00E+00	1.33E-05	4.59E-04	0.00E+00
864	441694.5	3768595	1.61E-04	4.31E-03	0.00E+00	1.82E-04	6.27E-03	0.00E+00	3.05E-05	1.07E-03	0.00E+00	1.33E-05	4.28E-04	0.00E+00
865	441694.4	3768586	1.61E-04	4.00E-03	0.00E+00	1.82E-04	5.81E-03	0.00E+00	3.05E-05	9.91E-04	0.00E+00	1.33E-05	3.97E-04	0.00E+00
866	441694.3	3768576	1.61E-04	3.69E-03	0.00E+00	1.82E-04	5.37E-03	0.00E+00	3.05E-05	9.15E-04	0.00E+00	1.33E-05	3.67E-04	0.00E+00
867	441694.2	3768566	1.61E-04	3.41E-03	0.00E+00	1.82E-04	4.95E-03	0.00E+00	3.05E-05	8.44E-04	0.00E+00	1.33E-05	3.38E-04	0.00E+00
868	441694.1	3768556	1.61E-04	3.14E-03	0.00E+00	1.82E-04	4.57E-03	0.00E+00	3.05E-05	7.78E-04	0.00E+00	1.33E-05	3.12E-04	0.00E+00
869	441694	3768546	1.61E-04	2.89E-03	0.00E+00	1.82E-04	4.21E-03	0.00E+00	3.05E-05	7.17E-04	0.00E+00	1.33E-05	2.87E-04	0.00E+00
870	441693.9	3768536	1.61E-04	2.67E-03	0.00E+00	1.82E-04	3.87E-03	0.00E+00	3.05E-05	6.60E-04	0.00E+00	1.33E-05	2.65E-04	0.00E+00
871	441714.7	3768625	1.61E-04	4.70E-03	0.00E+00	1.82E-04	6.83E-03	0.00E+00	3.05E-05	1.16E-03	0.00E+00	1.33E-05	4.66E-04	0.00E+00
872	441714.6	3768615	1.61E-04	4.43E-03	0.00E+00	1.82E-04	6.44E-03	0.00E+00	3.05E-05	1.10E-03	0.00E+00	1.33E-05	4.40E-04	0.00E+00
873	441714.6	3768605	1.61E-04	4.15E-03	0.00E+00	1.82E-04	6.04E-03	0.00E+00	3.05E-05	1.03E-03	0.00E+00	1.33E-05	4.12E-04	0.00E+00
874	441714.5	3768595	1.61E-04	3.88E-03	0.00E+00	1.82E-04	5.64E-03	0.00E+00	3.05E-05	9.61E-04	0.00E+00	1.33E-05	3.85E-04	0.00E+00
875	441714.4	3768585	1.61E-04	3.61E-03	0.00E+00	1.82E-04	5.25E-03	0.00E+00	3.05E-05	8.94E-04	0.00E+00	1.33E-05	3.58E-04	0.00E+00
876	441714.3	3768575	1.61E-04	3.34E-03	0.00E+00	1.82E-04	4.86E-03	0.00E+00	3.05E-05	8.29E-04	0.00E+00	1.33E-05	3.32E-04	0.00E+00
877	441714.2	3768566	1.61E-04	3.10E-03	0.00E+00	1.82E-04	4.50E-03	0.00E+00	3.05E-05	7.68E-04	0.00E+00	1.33E-05	3.07E-04	0.00E+00
878	441714.1	3768556	1.61E-04	2.87E-03	0.00E+00	1.82E-04	4.17E-03	0.00E+00	3.05E-05	7.11E-04	0.00E+00	1.33E-05	2.85E-04	0.00E+00
879	441714	3768546	1.61E-04	2.65E-03	0.00E+00	1.82E-04	3.86E-03	0.00E+00	3.05E-05	6.58E-04	0.00E+00	1.33E-05	2.63E-04	0.00E+00
880	441713.9	3768536	1.61E-04	2.46E-03	0.00E+00	1.82E-04	3.57E-03	0.00E+00	3.05E-05	6.09E-04	0.00E+00	1.33E-05	2.44E-04	0.00E+00
881	441734.7	3768625	1.61E-04	4.23E-03	0.00E+00	1.82E-04	6.14E-03	0.00E+00	3.05E-05	1.05E-03	0.00E+00	1.33E-05	4.19E-04	0.00E+00
882	441734.6	3768615	1.61E-04	3.98E-03	0.00E+00	1.82E-04	5.79E-03	0.00E+00	3.05E-05	9.87E-04	0.00E+00	1.33E-05	3.96E-04	0.00E+00
883	441734.6	3768605	1.61E-04	3.74E-03	0.00E+00	1.82E-04	5.44E-03	0.00E+00	3.05E-05	9.27E-04	0.00E+00	1.33E-05	3.71E-04	0.00E+00
884	441734.5	3768595	1.61E-04	3.50E-03	0.00E+00	1.82E-04	5.09E-03	0.00E+00	3.05E-05	8.68E-04	0.00E+00	1.33E-05	3.48E-04	0.00E+00
885	441734.4	3768585	1.61E-04	3.27E-03	0.00E+00	1.82E-04	4.76E-03	0.00E+00	3.05E-05	8.11E-04	0.00E+00	1.33E-05	3.25E-04	0.00E+00
886	441734.3	3768575	1.61E-04	3.05E-03	0.00E+00	1.82E-04	4.43E-03	0.00E+00	3.05E-05	7.55E-04	0.00E+00	1.33E-05	3.03E-04	0.00E+00
887	441734.2	3768565	1.61E-04	2.83E-03	0.00E+00	1.82E-04	4.12E-03	0.00E+00	3.05E-05	7.02E-04	0.00E+00	1.33E-05	2.81E-04	0.00E+00
888	441734.1	3768556	1.61E-04	2.63E-03	0.00E+00	1.82E-04	3.83E-03	0.00E+00	3.05E-05	6.53E-04	0.00E+00	1.33E-05	2.62E-04	0.00E+00
889	441734	3768546	1.61E-04	2.45E-03	0.00E+00	1.82E-04	3.56E-03	0.00E+00	3.05E-05	6.06E-04	0.00E+00	1.33E-05	2.43E-04	0.00E+00
890	441733.9	3768536	1.61E-04	2.27E-03	0.00E+00	1.82E-04	3.31E-03	0.00E+00	3.05E-05	5.64E-04	0.00E+00	1.33E-05	2.26E-04	0.00E+00
891	441754.6	3768614	1.61E-04	3.61E-03	0.00E+00	1.82E-04	5.24E-03	0.00E+00	3.05E-05	8.94E-04	0.00E+00	1.33E-05	3.58E-04	0.00E+00
892	441754.6	3768605	1.61E-04	3.39E-03	0.00E+00	1.82E-04	4.93E-03	0.00E+00	3.05E-05	8.41E-04	0.00E+00	1.33E-05	3.37E-04	0.00E+00
893	441754.5	3768595	1.61E-04	3.18E-03	0.00E+00	1.82E-04	4.63E-03	0.00E+00	3.05E-05	7.89E-04	0.00E+00	1.33E-05	3.16E-04	0.00E+00
894	441754.4	3768585	1.61E-04	2.98E-03	0.00E+00	1.82E-04	4.34E-03	0.00E+00	3.05E-05	7.40E-04	0.00E+00	1.33E-05	2.96E-04	0.00E+00
895	441754.3	3768575	1.61E-04	2.79E-03	0.00E+00	1.82E-04	4.06E-03	0.00E+00	3.05E-05	6.92E-04	0.00E+00	1.33E-05	2.77E-04	0.00E+00
896	441754.2	3768565	1.61E-04	2.61E-03	0.00E+00	1.82E-04	3.79E-03	0.00E+00	3.05E-05	6.46E-04	0.00E+00	1.33E-05	2.59E-04	0.00E+00
897	441754.1	3768555	1.61E-04	2.43E-03	0.00E+00	1.82E-04	3.53E-03	0.00E+00	3.05E-05	6.02E-04	0.00E+00	1.33E-05	2.41E-04	0.00E+00
898	441754	3768546	1.61E-04	2.26E-03	0.00E+00	1.82E-04	3.29E-03	0.00E+00	3.05E-05	5.61E-04	0.00E+00	1.33E-05	2.25E-04	0.00E+00
899	441753.9	3768536	1.61E-04	2.11E-03	0.00E+00	1.82E-04	3.07E-03	0.00E+00	3.05E-05	5.23E-04	0.00E+00	1.33E-05	2.10E-04	0.00E+00
900	441774.6	3768604	1.61E-04	3.11E-03	0.00E+00	1.82E-04	4.52E-03	0.00E+00	3.05E-05	7.70E-04	0.00E+00	1.33E-05	3.08E-04	0.00E+00
901	441774.5	3768595	1.61E-04	2.92E-03	0.00E+00	1.82E-04	4.24E-03	0.00E+00	3.05E-05	7.23E-04	0.00E+00	1.33E-05	2.90E-04	0.00E+00
902	441774.4	3768585	1.61E-04	2.74E-03	0.00E+00	1.82E-04	3.98E-03	0.00E+00	3.05E-05	6.78E-04	0.00E+00	1.33E-05	2.72E-04	0.00E+00
903	441774.3	3768575	1.61E-04	2.56E-03	0.00E+00	1.82E-04	3.72E-03	0.00E+00	3.05E-05	6.35E-04	0.00E+00	1.33E-05	2.54E-04	0.00E+00
904	441774.2	3768565	1.61E-04	2.40E-03	0.00E+00	1.82E-04	3.48E-03	0.00E+00	3.05E-05	5.94E-04	0.00E+00	1.33E-05	2.38E-04	0.00E+00
905	441774.1	3768555	1.61E-04	2.24E-03	0.00E+00	1.82E-04	3.26E-03	0.00E+00	3.05E-05	5.55E-04	0.00E+00	1.33E-05	2.22E-04	0.00E+00
906	441774	3768545	1.61E-04	2.10E-03	0.00E+00	1.82E-04	3.05E-03	0.00E+00	3.05E-05	5.19E-04	0.00E+00	1.33E-05	2.08E-04	0.00E+00
907	441773.9	3768536	1.61E-04	1.96E-03	0.00E+00	1.82E-04	2.85E-03	0.00E+00	3.05E-05	4.86E-04	0.00E+00	1.33E-05	1.95E-04	0.00E+00
908	441794.5	3768594	1.61E-04	2.69E-03	0.00E+00	1.82E-04	3.91E-03	0.00E+00	3.05E-05	6.67E-04	0.00E+00	1.33E-05	2.67E-04	0.00E+00
909	441794.4	3768585	1.61E-04	2.53E-03	0.00E+00	1.82E-04	3.67E-03	0.00E+00	3.05E-05	6.26E-04	0.00E+00	1.33E-05	2.51E-04	0.00E+00
910	441794.3	3768575	1.61E-04	2.37E-03	0.00E+00	1.82E-04	3.44E-03	0.00E+00	3.05E-05	5.87E-04	0.00E+00	1.33E-05	2.35E-04	0.00E+00
911	441794.2	3768565	1.61E-04	2.22E-03	0.00E+00	1.82E-04	3.23E-03	0.00E+00	3.05E-05	5.51E-04	0.00E+00	1.33E-05	2.21E-04	0.00E+00
912	441794.1	3768555	1.61E-04	2.08E-03	0.00E+00	1.82E-04	3.03E-03	0.00E+00	3.05E-05	5.16E-04	0.00E+00	1.33E-05	2.07E-04	0.00E+00
913	441794	3768545	1.61E-04	1.95E-03	0.00E+00	1.82E-04	2.84E-03	0.00E+00	3.05E-05	4.84E-04	0.00E+00	1.33E-05	1.94E-04	0.00E+00
914	441793.9	3768535	1.61E-04	1.83E-03	0.00E+00	1.82E-04	2.66E-03	0.00E+00	3.05E-05	4.54E-04	0.00E+00	1.33E-05	1.82E-04	0.00E+00
915	441914.3	3768574	1.61E-04	1.60E-03	0.00E+00	1.82E-04	2.32E-03	0.00E+00	3.05E-05	3.95E-04	0.00E+00	1.33E-05	1.58E-04	0.00E+00
916	441914.2	3768564	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.21E-03	0.00E+00	3.05E-05	3.76E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
917	441914.1	3768554	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.10E-03	0.00E+00	3.05E-05	3.58E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
918	441914	3768544	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.99E-03	0.00E+00	3.05E-05	3.40E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
919	441913.9	3768534	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.89E-03	0.00E+00	3.05E-05	3.23E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
920	441954	3768544	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.79E-03	0.00E+00	3.05E-05	3.05E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
921	441953.9	3768534	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.71E-03	0.00E+00	3.05E-05	2.91E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
922	442031	3768631	1.61E-04	1.51E-03	0.00E+00	1.82E-04	2.19E-03	0.00E+00	3.05E-05	3.74E-04	0.00E+00	1.33E-05	1.50E-04	0.00E+00
923	442027.3	3768640	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.30E-03	0.00E+00	3.05E-05	3.91E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
924	442023.6	3768649	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.40E-03	0.00E+00	3.05E-05	4.10E-04	0.00E+00	1.33E-05	1.64E-04	0.00E+00
925	442019.8	3768658	1.61E-04	1.73E-03	0.00E+00	1.82E-04	2.52E-03	0.00E+00	3.05E-05	4.29E-04	0.00E+00	1.33E-05	1.72E-04	0.00E+00
926	442016.1	3768667	1.61E-04	1.81E-03	0.00E+00	1.82E-04	2.63E-03	0.00E+00	3.05E-05	4.49E-04	0.00E+00	1.33E-05	1.80E-04	0.00E+00
927	442012.4	3768676	1.61E-04	1.89E-03	0.00E+00	1.82E-04	2.75E-03	0.00E+00	3.05E-05	4.69E-04	0.00E+00	1.33E-05	1.88E-04	0.00E+00
928	441856.6	3769018	1.61E-04	2.10E-03	0.00E+00	1.82E-04	3.05E-03	0.00E+00	3.05E-05	5.20E-04	0.00E+00	1.33E-05	2.08E-04	0.00E+00
929	441847.5	3769021	1.61E-04	2.07E-03	0.00E+00	1.82E-04	3.01E-03	0.00E+00	3.05E-05	5.13E-04	0.00E+00	1.33E-05	2.05E-04	0.00E+00
930	441838.5	3769025	1.61E-04	2.04E-03	0.00E+00	1.82E-04	2.96E-03	0.00E+00	3.05E-05	5.05E-04	0.00E+00	1.33E-05	2.02E-04	0.00E+00
931	441829.4	3769029	1.61E-04	2.01E-03	0.00E+00	1.82E-04	2.92E-03	0.00E+00	3.05E-05	4.97E-04	0.00E+00	1.33E-05	1.99E-04	0.00E+00
932	441802.2	3769039	1.61E-04	1.90E-03	0.00E+00	1.82E-04	2.77E-03	0.00E+00	3.05E-05	4.72E-04	0.00E+00	1.33E-05	1.89E-04	0.00E+00
933	442034.7	3768622	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.10E-03	0.00E+00	3.05E-05	3.57E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
934	442034.6	3768612	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.43E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
935	442034.5	3768602	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.29E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
936	442034.4	3768592	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.85E-03	0.00E+00	3.05E-05	3.16E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
937	442034.4	3768582	1.61E-04	1.22E-03	0.00E+00	1.82E-04	1.77E-03	0.00E+00	3.05E-05	3.03E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00
938	442034.3	3768573	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.70E-03	0.00E+00	3.05E-05	2.90E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
939	442034.2	3768563	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.78E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
940	442071	3768630	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.42E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
941	442067.2	3768640	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.09E-03	0.00E+00	3.05E-05	3.56E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
942	442063.5	3768649	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.18E-03	0.00E+00	3.05E-05	3.71E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
943	442059.8	3768658	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.27E-03	0.00E+00	3.05E-05	3.87E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
944	442056	3768667	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.36E-03	0.00E+00	3.05E-05	4.03E-04	0.00E+00	1.33E-05	1.61E-04	0.00E+00
945	442022.4	3768748	1.61E-04	2.24E-03	0.00E+00	1.82E-04	3.25E-03	0.00E+00	3.05E-05	5.54E-04	0.00E+00	1.33E-05	2.22E-04	0.00E+00
946	442018.7	3768757	1.61E-04	2.30E-03	0.00E+00	1.82E-04	3.34E-03	0.00E+00	3.05E-05	5.69E-04	0.00E+00	1.33E-05	2.28E-04	0.00E+00
947	442015	3768767	1.61E-04	2.36E-03	0.00E+00	1.82E-04	3.42E-03	0.00E+00	3.05E-05	5.84E-04	0.00E+00	1.33E-05	2.34E-04	0.00E+00
948	442011.2	3768776	1.61E-04	2.41E-03	0.00E+00	1.82E-04	3.50E-03	0.00E+00	3.05E-05	5.98E-04	0.00E+00	1.33E-05	2.39E-04	0.00E+00
949	441884.7	3769046	1.61E-04	1.83E-03	0.00E+00	1.82E-04	2.65E-03	0.00E+00	3.05E-05	4.53E-04	0.00E+00	1.33E-05	1.81E-04	0.00E+00
950	441875.6	3769050	1.61E-04	1.80E-03	0.00E+00	1.82E-04	2.62E-03	0.00E+00	3.05E-05	4.46E-04	0.00E+00	1.33E-05	1.79E-04	0.00E+00
951	441866.5	3769053	1.61E-04	1.77E-03	0.00E+00	1.82E-04	2.58E-03	0.00E+00	3.05E-05	4.39E-04	0.00E+00	1.33E-05	1.76E-04	0.00E+00
952	441857.4	3769057	1.61E-04	1.74E-03	0.00E+00	1.82E-04	2.53E-03	0.00E+00	3.05E-05	4.32E-04	0.00E+00	1.33E-05	1.73E-04	0.00E+00
953	441848.2	3769061	1.61E-04	1.71E-03	0.00E+00	1.82E-04	2.49E-03	0.00E+00	3.05E-05	4.24E-04	0.00E+00	1.33E-05	1.70E-04	0.00E+00
954	441830	3769068	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.39E-03	0.00E+00	3.05E-05	4.08E-04	0.00E+00	1.33E-05	1.64E-04	0.00E+00
955	442074.7	3768621	1.61E-04	1.32E-03	0.00E+00	1.82E-04	1.92E-03	0.00E+00	3.05E-05	3.27E-04	0.00E+00	1.33E-05	1.31E-04	0.00E+00
956	442074.6	3768612	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.85E-03	0.00E+00	3.05E-05	3.15E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
957	442074.5	3768602	1.61E-04	1.22E-03	0.00E+00	1.82E-04	1.78E-03	0.00E+00	3.05E-05	3.03E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00

958	442074.4	3768592	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.70E-03	0.00E+00	3.05E-05	2.91E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
959	442074.4	3768582	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.78E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
960	442074.3	3768572	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.67E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
961	442074.2	3768562	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.56E-04	0.00E+00	1.33E-05	1.03E-04	0.00E+00
962	442074.1	3768552	1.61E-04	9.91E-04	0.00E+00	1.82E-04	1.44E-03	0.00E+00	3.05E-05	2.46E-04	0.00E+00	1.33E-05	9.84E-05	0.00E+00
963	442111	3768630	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.83E-03	0.00E+00	3.05E-05	3.13E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
964	442107.4	3768639	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.25E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
965	442103.7	3768648	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.98E-03	0.00E+00	3.05E-05	3.38E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
966	442100	3768657	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.51E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
967	442096.4	3768666	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.14E-03	0.00E+00	3.05E-05	3.64E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
968	442092.7	3768675	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.22E-03	0.00E+00	3.05E-05	3.78E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
969	442063.3	3768746	1.61E-04	2.00E-03	0.00E+00	1.82E-04	2.90E-03	0.00E+00	3.05E-05	4.95E-04	0.00E+00	1.33E-05	1.98E-04	0.00E+00
970	442059.6	3768755	1.61E-04	2.06E-03	0.00E+00	1.82E-04	2.99E-03	0.00E+00	3.05E-05	5.09E-04	0.00E+00	1.33E-05	2.04E-04	0.00E+00
971	442055.9	3768764	1.61E-04	2.11E-03	0.00E+00	1.82E-04	3.07E-03	0.00E+00	3.05E-05	5.23E-04	0.00E+00	1.33E-05	2.10E-04	0.00E+00
972	442052.3	3768773	1.61E-04	2.16E-03	0.00E+00	1.82E-04	3.15E-03	0.00E+00	3.05E-05	5.36E-04	0.00E+00	1.33E-05	2.15E-04	0.00E+00
973	442048.6	3768782	1.61E-04	2.21E-03	0.00E+00	1.82E-04	3.22E-03	0.00E+00	3.05E-05	5.49E-04	0.00E+00	1.33E-05	2.20E-04	0.00E+00
974	442044.9	3768791	1.61E-04	2.26E-03	0.00E+00	1.82E-04	3.29E-03	0.00E+00	3.05E-05	5.60E-04	0.00E+00	1.33E-05	2.24E-04	0.00E+00
975	442041.3	3768799	1.61E-04	2.30E-03	0.00E+00	1.82E-04	3.35E-03	0.00E+00	3.05E-05	5.71E-04	0.00E+00	1.33E-05	2.29E-04	0.00E+00
976	442037.6	3768808	1.61E-04	2.34E-03	0.00E+00	1.82E-04	3.41E-03	0.00E+00	3.05E-05	5.81E-04	0.00E+00	1.33E-05	2.33E-04	0.00E+00
977	442033.9	3768817	1.61E-04	2.38E-03	0.00E+00	1.82E-04	3.46E-03	0.00E+00	3.05E-05	5.90E-04	0.00E+00	1.33E-05	2.36E-04	0.00E+00
978	442030.2	3768826	1.61E-04	2.41E-03	0.00E+00	1.82E-04	3.51E-03	0.00E+00	3.05E-05	5.98E-04	0.00E+00	1.33E-05	2.39E-04	0.00E+00
979	442026.6	3768835	1.61E-04	2.44E-03	0.00E+00	1.82E-04	3.55E-03	0.00E+00	3.05E-05	6.04E-04	0.00E+00	1.33E-05	2.42E-04	0.00E+00
980	442022.9	3768844	1.61E-04	2.46E-03	0.00E+00	1.82E-04	3.58E-03	0.00E+00	3.05E-05	6.10E-04	0.00E+00	1.33E-05	2.44E-04	0.00E+00
981	442019.2	3768853	1.61E-04	2.48E-03	0.00E+00	1.82E-04	3.60E-03	0.00E+00	3.05E-05	6.14E-04	0.00E+00	1.33E-05	2.46E-04	0.00E+00
982	442015.5	3768862	1.61E-04	2.49E-03	0.00E+00	1.82E-04	3.62E-03	0.00E+00	3.05E-05	6.18E-04	0.00E+00	1.33E-05	2.47E-04	0.00E+00
983	442011.9	3768871	1.61E-04	2.50E-03	0.00E+00	1.82E-04	3.63E-03	0.00E+00	3.05E-05	6.19E-04	0.00E+00	1.33E-05	2.48E-04	0.00E+00
984	441934.7	3769058	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.47E-03	0.00E+00	3.05E-05	4.22E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
985	441904.2	3769078	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.30E-03	0.00E+00	3.05E-05	3.91E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
986	441895.2	3769082	1.61E-04	1.55E-03	0.00E+00	1.82E-04	2.26E-03	0.00E+00	3.05E-05	3.85E-04	0.00E+00	1.33E-05	1.54E-04	0.00E+00
987	441886.3	3769085	1.61E-04	1.53E-03	0.00E+00	1.82E-04	2.22E-03	0.00E+00	3.05E-05	3.79E-04	0.00E+00	1.33E-05	1.52E-04	0.00E+00
988	441877.3	3769089	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.19E-03	0.00E+00	3.05E-05	3.73E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
989	441850.4	3769100	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.52E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
990	441787.7	3769125	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.77E-03	0.00E+00	3.05E-05	3.01E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00
991	441563.7	3769214	1.61E-04	6.64E-04	0.00E+00	1.82E-04	9.65E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.59E-05	0.00E+00
992	441554.8	3769218	1.61E-04	6.49E-04	0.00E+00	1.82E-04	9.44E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.44E-05	0.00E+00
993	441545.8	3769221	1.61E-04	6.35E-04	0.00E+00	1.82E-04	9.23E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.30E-05	0.00E+00
994	441536.8	3769225	1.61E-04	6.21E-04	0.00E+00	1.82E-04	9.03E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.17E-05	0.00E+00
995	441527.9	3769229	1.61E-04	6.08E-04	0.00E+00	1.82E-04	8.84E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.04E-05	0.00E+00
996	441518.9	3769232	1.61E-04	5.95E-04	0.00E+00	1.82E-04	8.65E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.90E-05	0.00E+00
997	441510	3769236	1.61E-04	5.82E-04	0.00E+00	1.82E-04	8.46E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.78E-05	0.00E+00
998	441501	3769239	1.61E-04	5.68E-04	0.00E+00	1.82E-04	8.26E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.64E-05	0.00E+00
999	441492	3769243	1.61E-04	5.55E-04	0.00E+00	1.82E-04	8.07E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.51E-05	0.00E+00
1000	442114.7	3768621	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.76E-03	0.00E+00	3.05E-05	3.00E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
1001	442114.6	3768611	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.89E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
1002	442114.5	3768601	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.78E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
1003	442114.4	3768591	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.57E-03	0.00E+00	3.05E-05	2.67E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
1004	442114.4	3768582	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.56E-04	0.00E+00	1.33E-05	1.03E-04	0.00E+00
1005	442114.3	3768572	1.61E-04	9.92E-04	0.00E+00	1.82E-04	1.44E-03	0.00E+00	3.05E-05	2.46E-04	0.00E+00	1.33E-05	9.85E-05	0.00E+00
1006	442114.2	3768562	1.61E-04	9.53E-04	0.00E+00	1.82E-04	1.38E-03	0.00E+00	3.05E-05	2.36E-04	0.00E+00	1.33E-05	9.46E-05	0.00E+00
1007	442114.1	3768552	1.61E-04	9.15E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.27E-04	0.00E+00	1.33E-05	9.08E-05	0.00E+00
1008	442114	3768542	1.61E-04	8.79E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.18E-04	0.00E+00	1.33E-05	8.72E-05	0.00E+00
1009	442113.9	3768532	1.61E-04	8.45E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.39E-05	0.00E+00
1010	442151	3768630	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.85E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
1011	442147.3	3768639	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.74E-03	0.00E+00	3.05E-05	2.96E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
1012	442143.6	3768648	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.81E-03	0.00E+00	3.05E-05	3.08E-04	0.00E+00	1.33E-05	1.23E-04	0.00E+00
1013	442140	3768656	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.88E-03	0.00E+00	3.05E-05	3.20E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
1014	442136.3	3768665	1.61E-04	1.34E-03	0.00E+00	1.82E-04	1.95E-03	0.00E+00	3.05E-05	3.32E-04	0.00E+00	1.33E-05	1.33E-04	0.00E+00
1015	442132.6	3768674	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.43E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
1016	442103.1	3768746	1.61E-04	1.80E-03	0.00E+00	1.82E-04	2.62E-03	0.00E+00	3.05E-05	4.46E-04	0.00E+00	1.33E-05	1.79E-04	0.00E+00
1017	442099.4	3768755	1.61E-04	1.85E-03	0.00E+00	1.82E-04	2.69E-03	0.00E+00	3.05E-05	4.59E-04	0.00E+00	1.33E-05	1.84E-04	0.00E+00
1018	442095.7	3768764	1.61E-04	1.90E-03	0.00E+00	1.82E-04	2.76E-03	0.00E+00	3.05E-05	4.71E-04	0.00E+00	1.33E-05	1.89E-04	0.00E+00
1019	442092	3768773	1.61E-04	1.95E-03	0.00E+00	1.82E-04	2.83E-03	0.00E+00	3.05E-05	4.83E-04	0.00E+00	1.33E-05	1.93E-04	0.00E+00
1020	442088.3	3768782	1.61E-04	2.00E-03	0.00E+00	1.82E-04	2.90E-03	0.00E+00	3.05E-05	4.94E-04	0.00E+00	1.33E-05	1.98E-04	0.00E+00
1021	442084.6	3768791	1.61E-04	2.04E-03	0.00E+00	1.82E-04	2.97E-03	0.00E+00	3.05E-05	5.06E-04	0.00E+00	1.33E-05	2.03E-04	0.00E+00
1022	442080.9	3768800	1.61E-04	2.08E-03	0.00E+00	1.82E-04	3.03E-03	0.00E+00	3.05E-05	5.16E-04	0.00E+00	1.33E-05	2.07E-04	0.00E+00
1023	442077.2	3768809	1.61E-04	2.12E-03	0.00E+00	1.82E-04	3.08E-03	0.00E+00	3.05E-05	5.26E-04	0.00E+00	1.33E-05	2.11E-04	0.00E+00
1024	442073.6	3768818	1.61E-04	2.16E-03	0.00E+00	1.82E-04	3.13E-03	0.00E+00	3.05E-05	5.34E-04	0.00E+00	1.33E-05	2.14E-04	0.00E+00
1025	442069.9	3768827	1.61E-04	2.19E-03	0.00E+00	1.82E-04	3.18E-03	0.00E+00	3.05E-05	5.42E-04	0.00E+00	1.33E-05	2.17E-04	0.00E+00
1026	442066.2	3768836	1.61E-04	2.22E-03	0.00E+00	1.82E-04	3.22E-03	0.00E+00	3.05E-05	5.49E-04	0.00E+00	1.33E-05	2.20E-04	0.00E+00
1027	442062.5	3768845	1.61E-04	2.24E-03	0.00E+00	1.82E-04	3.25E-03	0.00E+00	3.05E-05	5.55E-04	0.00E+00	1.33E-05	2.22E-04	0.00E+00
1028	442058.8	3768854	1.61E-04	2.26E-03	0.00E+00	1.82E-04	3.28E-03	0.00E+00	3.05E-05	5.60E-04	0.00E+00	1.33E-05	2.24E-04	0.00E+00
1029	442055.1	3768863	1.61E-04	2.27E-03	0.00E+00	1.82E-04	3.31E-03	0.00E+00	3.05E-05	5.64E-04	0.00E+00	1.33E-05	2.26E-04	0.00E+00
1030	442051.4	3768872	1.61E-04	2.29E-03	0.00E+00	1.82E-04	3.32E-03	0.00E+00	3.05E-05	5.67E-04	0.00E+00	1.33E-05	2.27E-04	0.00E+00
1031	441974	3769060	1.61E-04	1.67E-03	0.00E+00	1.82E-04	2.42E-03	0.00E+00	3.05E-05	4.13E-04	0.00E+00	1.33E-05	1.65E-04	0.00E+00
1032	441970.3	3769069	1.61E-04	1.61E-03	0.00E+00	1.82E-04	2.34E-03	0.00E+00	3.05E-05	3.99E-04	0.00E+00	1.33E-05	1.60E-04	0.00E+00
1033	441966.6	3769078	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.26E-03	0.00E+00	3.05E-05	3.86E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
1034	441932.2	3769106	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.45E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
1035	441923.2	3769110	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.99E-03	0.00E+00	3.05E-05	3.39E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
1036	441914.2	3769114	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.96E-03	0.00E+00	3.05E-05	3.34E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
1037	441905.2	3769117	1.61E-04	1.32E-03	0.00E+00	1.82E-04	1.92E-03	0.00E+00	3.05E-05	3.28E-04	0.00E+00	1.33E-05	1.31E-04	0.00E+00
1038	441878.2	3769128	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.10E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
1039	441869.2	3769132	1.61E-04	1.22E-03	0.00E+00	1.82E-04	1.78E-03	0.00E+00	3.05E-05	3.03E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
1040	441815.2	3769153	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.66E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
1041	441806.2	3769157	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.53E-03	0.00E+00	3.05E-05	2.60E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
1042	441797.2	3769160	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.54E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
1043	441788.3	3769164	1.61E-04	1.00E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.48E-04	0.00E+00	1.33E-05	9.95E-05	0.00E+00
1044	441662.3	3769215	1.61E-04	7.21E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.16E-05	0.00E+00
1045	441653.3	3769218	1.61E-04	7.06E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.01E-05	0.00E+00
1046	441644.3	3769222	1.61E-04	6.92E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.87E-05	0.00E+00
1047	441635.3	3769225	1.61E-04	6.78E-04	0.00E+00	1.82E-04	9.86E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.73E-05	0.00E+00
1048	441626.3	3769229	1.61E-04	6.65E-04	0.00E+00	1.82E-04	9.66E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.60E-05	0.00E+00
1049	441617.3	3769233	1.61E-04	6.51E-04	0.00E+00	1.82E-04	9.46E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.46E-05	0.00E+00
1050	441608.3	3769236	1.61E-04	6.37E-04	0.00E+00	1.82E-04	9.25E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.32E-05	0.00E+00
1051	441599.3	3769240	1.61E-04	6.23E-04	0.00E+00	1.82E-04	9.06E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.19E-05	0.00E+00
1052	441590.3	3769243	1.61E-04	6.09E-04	0.00E+00	1.82E-04	8.86E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.05E-05	0.00E+00
1053	441581.3	3769247	1.61E-04	5.96E-04	0.00E+00	1.82E-04	8.66E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.92E-05	0.00E+00

1054	441572.3	3769251	1.61E-04	5.83E-04	0.00E+00	1.82E-04	8.47E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.79E-05	0.00E+00
1055	441563.3	3769254	1.61E-04	5.70E-04	0.00E+00	1.82E-04	8.29E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.66E-05	0.00E+00
1056	441554.3	3769258	1.61E-04	5.58E-04	0.00E+00	1.82E-04	8.12E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.54E-05	0.00E+00
1057	441545.3	3769261	1.61E-04	5.46E-04	0.00E+00	1.82E-04	7.94E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.42E-05	0.00E+00
1058	441536.3	3769265	1.61E-04	5.35E-04	0.00E+00	1.82E-04	7.78E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.31E-05	0.00E+00
1059	441527.3	3769269	1.61E-04	5.24E-04	0.00E+00	1.82E-04	7.61E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.20E-05	0.00E+00
1060	441518.3	3769272	1.61E-04	5.13E-04	0.00E+00	1.82E-04	7.45E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.09E-05	0.00E+00
1061	441509.3	3769276	1.61E-04	4.95E-04	0.00E+00	1.82E-04	7.19E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.91E-05	0.00E+00
1062	441500.3	3769279	1.61E-04	4.84E-04	0.00E+00	1.82E-04	7.03E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.80E-05	0.00E+00
1063	441491.3	3769283	1.61E-04	4.73E-04	0.00E+00	1.82E-04	6.87E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.69E-05	0.00E+00
1064	442154.7	3768621	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.74E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
1065	442154.6	3768611	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.55E-03	0.00E+00	3.05E-05	2.64E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
1066	442154.5	3768601	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.55E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
1067	442154.4	3768591	1.61E-04	9.88E-04	0.00E+00	1.82E-04	1.44E-03	0.00E+00	3.05E-05	2.45E-04	0.00E+00	1.33E-05	9.81E-05	0.00E+00
1068	442154.4	3768581	1.61E-04	9.50E-04	0.00E+00	1.82E-04	1.38E-03	0.00E+00	3.05E-05	2.35E-04	0.00E+00	1.33E-05	9.43E-05	0.00E+00
1069	442154.3	3768571	1.61E-04	9.12E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.26E-04	0.00E+00	1.33E-05	9.06E-05	0.00E+00
1070	442154.2	3768562	1.61E-04	8.78E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.18E-04	0.00E+00	1.33E-05	8.71E-05	0.00E+00
1071	442154.1	3768552	1.61E-04	8.44E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.38E-05	0.00E+00
1072	442154	3768542	1.61E-04	8.13E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.01E-04	0.00E+00	1.33E-05	8.07E-05	0.00E+00
1073	442153.9	3768532	1.61E-04	7.83E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.77E-05	0.00E+00
1074	442142.9	3768746	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.37E-03	0.00E+00	3.05E-05	4.03E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
1075	442139.2	3768755	1.61E-04	1.67E-03	0.00E+00	1.82E-04	2.43E-03	0.00E+00	3.05E-05	4.15E-04	0.00E+00	1.33E-05	1.66E-04	0.00E+00
1076	442135.5	3768764	1.61E-04	1.72E-03	0.00E+00	1.82E-04	2.50E-03	0.00E+00	3.05E-05	4.26E-04	0.00E+00	1.33E-05	1.71E-04	0.00E+00
1077	442131.8	3768773	1.61E-04	1.76E-03	0.00E+00	1.82E-04	2.56E-03	0.00E+00	3.05E-05	4.37E-04	0.00E+00	1.33E-05	1.75E-04	0.00E+00
1078	442128.1	3768782	1.61E-04	1.81E-03	0.00E+00	1.82E-04	2.63E-03	0.00E+00	3.05E-05	4.48E-04	0.00E+00	1.33E-05	1.79E-04	0.00E+00
1079	442124.4	3768791	1.61E-04	1.85E-03	0.00E+00	1.82E-04	2.69E-03	0.00E+00	3.05E-05	4.58E-04	0.00E+00	1.33E-05	1.84E-04	0.00E+00
1080	442120.7	3768800	1.61E-04	1.89E-03	0.00E+00	1.82E-04	2.74E-03	0.00E+00	3.05E-05	4.68E-04	0.00E+00	1.33E-05	1.87E-04	0.00E+00
1081	442117	3768809	1.61E-04	1.92E-03	0.00E+00	1.82E-04	2.80E-03	0.00E+00	3.05E-05	4.77E-04	0.00E+00	1.33E-05	1.91E-04	0.00E+00
1082	442113.3	3768818	1.61E-04	1.96E-03	0.00E+00	1.82E-04	2.85E-03	0.00E+00	3.05E-05	4.85E-04	0.00E+00	1.33E-05	1.94E-04	0.00E+00
1083	442109.5	3768827	1.61E-04	1.99E-03	0.00E+00	1.82E-04	2.89E-03	0.00E+00	3.05E-05	4.93E-04	0.00E+00	1.33E-05	1.97E-04	0.00E+00
1084	442105.8	3768836	1.61E-04	2.02E-03	0.00E+00	1.82E-04	2.93E-03	0.00E+00	3.05E-05	5.00E-04	0.00E+00	1.33E-05	2.00E-04	0.00E+00
1085	442102.1	3768845	1.61E-04	2.04E-03	0.00E+00	1.82E-04	2.97E-03	0.00E+00	3.05E-05	5.06E-04	0.00E+00	1.33E-05	2.03E-04	0.00E+00
1086	442098.4	3768854	1.61E-04	2.06E-03	0.00E+00	1.82E-04	2.99E-03	0.00E+00	3.05E-05	5.11E-04	0.00E+00	1.33E-05	2.05E-04	0.00E+00
1087	442094.7	3768863	1.61E-04	2.08E-03	0.00E+00	1.82E-04	3.02E-03	0.00E+00	3.05E-05	5.15E-04	0.00E+00	1.33E-05	2.06E-04	0.00E+00
1088	442091	3768872	1.61E-04	2.09E-03	0.00E+00	1.82E-04	3.04E-03	0.00E+00	3.05E-05	5.18E-04	0.00E+00	1.33E-05	2.08E-04	0.00E+00
1089	441951.2	3769139	1.61E-04	1.22E-03	0.00E+00	1.82E-04	1.77E-03	0.00E+00	3.05E-05	3.02E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00
1090	441942.2	3769142	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.74E-03	0.00E+00	3.05E-05	2.96E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
1091	441933.2	3769146	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.71E-03	0.00E+00	3.05E-05	2.91E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
1092	441924.1	3769149	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.86E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
1093	441906.1	3769157	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.74E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
1094	441897	3769160	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.69E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
1095	441833.8	3769186	1.61E-04	9.36E-04	0.00E+00	1.82E-04	1.36E-03	0.00E+00	3.05E-05	2.32E-04	0.00E+00	1.33E-05	9.29E-05	0.00E+00
1096	441824.8	3769189	1.61E-04	9.16E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.27E-04	0.00E+00	1.33E-05	9.09E-05	0.00E+00
1097	441716.4	3769233	1.61E-04	7.01E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.96E-05	0.00E+00
1098	441707.4	3769236	1.61E-04	6.86E-04	0.00E+00	1.82E-04	9.97E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.81E-05	0.00E+00
1099	441698.3	3769240	1.61E-04	6.71E-04	0.00E+00	1.82E-04	9.76E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.67E-05	0.00E+00
1100	441689.3	3769243	1.61E-04	6.57E-04	0.00E+00	1.82E-04	9.55E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.53E-05	0.00E+00
1101	441680.3	3769247	1.61E-04	6.44E-04	0.00E+00	1.82E-04	9.36E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.39E-05	0.00E+00
1102	441671.2	3769251	1.61E-04	6.30E-04	0.00E+00	1.82E-04	9.16E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.26E-05	0.00E+00
1103	441662.2	3769254	1.61E-04	6.17E-04	0.00E+00	1.82E-04	8.98E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.13E-05	0.00E+00
1104	441653.2	3769258	1.61E-04	6.05E-04	0.00E+00	1.82E-04	8.80E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.01E-05	0.00E+00
1105	441644.2	3769261	1.61E-04	5.93E-04	0.00E+00	1.82E-04	8.62E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.89E-05	0.00E+00
1106	441635.1	3769265	1.61E-04	5.82E-04	0.00E+00	1.82E-04	8.45E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.77E-05	0.00E+00
1107	441626.1	3769269	1.61E-04	5.70E-04	0.00E+00	1.82E-04	8.29E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.66E-05	0.00E+00
1108	441617.1	3769272	1.61E-04	5.59E-04	0.00E+00	1.82E-04	8.13E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.55E-05	0.00E+00
1109	441608	3769276	1.61E-04	5.48E-04	0.00E+00	1.82E-04	7.97E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.44E-05	0.00E+00
1110	441599	3769280	1.61E-04	5.38E-04	0.00E+00	1.82E-04	7.81E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.34E-05	0.00E+00
1111	441590	3769283	1.61E-04	5.18E-04	0.00E+00	1.82E-04	7.54E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.15E-05	0.00E+00
1112	441580.9	3769287	1.61E-04	5.07E-04	0.00E+00	1.82E-04	7.37E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.03E-05	0.00E+00
1113	441571.9	3769290	1.61E-04	4.96E-04	0.00E+00	1.82E-04	7.21E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.92E-05	0.00E+00
1114	441562.9	3769294	1.61E-04	4.86E-04	0.00E+00	1.82E-04	7.06E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.82E-05	0.00E+00
1115	441553.8	3769298	1.61E-04	4.76E-04	0.00E+00	1.82E-04	6.91E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.72E-05	0.00E+00
1116	441544.8	3769301	1.61E-04	4.65E-04	0.00E+00	1.82E-04	6.77E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.62E-05	0.00E+00
1117	441535.8	3769305	1.61E-04	4.55E-04	0.00E+00	1.82E-04	6.62E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.52E-05	0.00E+00
1118	441526.7	3769309	1.61E-04	4.46E-04	0.00E+00	1.82E-04	6.48E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.43E-05	0.00E+00
1119	441517.7	3769312	1.61E-04	4.36E-04	0.00E+00	1.82E-04	6.34E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.33E-05	0.00E+00
1120	441508.7	3769316	1.61E-04	4.27E-04	0.00E+00	1.82E-04	6.21E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.24E-05	0.00E+00
1121	441499.6	3769319	1.61E-04	4.18E-04	0.00E+00	1.82E-04	6.07E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.15E-05	0.00E+00
1122	441490.6	3769323	1.61E-04	4.09E-04	0.00E+00	1.82E-04	5.95E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.06E-05	0.00E+00
1123	442193.9	3768532	1.61E-04	7.25E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.20E-05	0.00E+00
1124	442182.7	3768746	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.15E-03	0.00E+00	3.05E-05	3.67E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
1125	442179	3768755	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.21E-03	0.00E+00	3.05E-05	3.77E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
1126	442175.3	3768764	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.27E-03	0.00E+00	3.05E-05	3.87E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
1127	442171.6	3768773	1.61E-04	1.60E-03	0.00E+00	1.82E-04	2.33E-03	0.00E+00	3.05E-05	3.97E-04	0.00E+00	1.33E-05	1.59E-04	0.00E+00
1128	442167.8	3768782	1.61E-04	1.64E-03	0.00E+00	1.82E-04	2.38E-03	0.00E+00	3.05E-05	4.07E-04	0.00E+00	1.33E-05	1.63E-04	0.00E+00
1129	442164.1	3768791	1.61E-04	1.68E-03	0.00E+00	1.82E-04	2.44E-03	0.00E+00	3.05E-05	4.16E-04	0.00E+00	1.33E-05	1.67E-04	0.00E+00
1130	442160.4	3768800	1.61E-04	1.72E-03	0.00E+00	1.82E-04	2.50E-03	0.00E+00	3.05E-05	4.26E-04	0.00E+00	1.33E-05	1.71E-04	0.00E+00
1131	442156.7	3768809	1.61E-04	1.75E-03	0.00E+00	1.82E-04	2.55E-03	0.00E+00	3.05E-05	4.35E-04	0.00E+00	1.33E-05	1.74E-04	0.00E+00
1132	442153	3768818	1.61E-04	1.79E-03	0.00E+00	1.82E-04	2.60E-03	0.00E+00	3.05E-05	4.42E-04	0.00E+00	1.33E-05	1.77E-04	0.00E+00
1133	442149.3	3768827	1.61E-04	1.81E-03	0.00E+00	1.82E-04	2.64E-03	0.00E+00	3.05E-05	4.50E-04	0.00E+00	1.33E-05	1.80E-04	0.00E+00
1134	442145.5	3768837	1.61E-04	1.84E-03	0.00E+00	1.82E-04	2.68E-03	0.00E+00	3.05E-05	4.56E-04	0.00E+00	1.33E-05	1.83E-04	0.00E+00
1135	442141.8	3768846	1.61E-04	1.87E-03	0.00E+00	1.82E-04	2.71E-03	0.00E+00	3.05E-05	4.63E-04	0.00E+00	1.33E-05	1.85E-04	0.00E+00
1136	442138.1	3768855	1.61E-04	1.89E-03	0.00E+00	1.82E-04	2.75E-03	0.00E+00	3.05E-05	4.68E-04	0.00E+00	1.33E-05	1.87E-04	0.00E+00
1137	442134.4	3768864	1.61E-04	1.91E-03	0.00E+00	1.82E-04	2.77E-03	0.00E+00	3.05E-05	4.73E-04	0.00E+00	1.33E-05	1.89E-04	0.00E+00
1138	442052.7	3769062	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.29E-03	0.00E+00	3.05E-05	3.90E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00
1139	441979.3	3769167	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.69E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
1140	441970.2	3769171	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.55E-03	0.00E+00	3.05E-05	2.64E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
1141	441961.1	3769174	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.52E-03	0.00E+00	3.05E-05	2.59E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
1142	441952.1	3769178	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.55E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
1143	441933.9	3769185	1.61E-04	9.90E-04	0.00E+00	1.82E-04	1.44E-03	0.00E+00	3.05E-05	2.45E-04	0.00E+00	1.33E-05	9.83E-05	0.00E+00
1144	441924.9	3769189	1.61E-04	9.71E-04	0.00E+00	1.82E-04	1.41E-03	0.00E+00	3.05E-05	2.41E-04	0.00E+00	1.33E-05	9.64E-05	0.00E+00
1145	441834.3	3769225	1.61E-04	7.88E-04	0.00E+00	1.82E-04	1.15E-03	0.00E+00	3.05E-05	1.95E-04	0.00E+00	1.33E-05	7.82E-05	0.00E+00
1146	441825.2	3769229	1.61E-04	7.71E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.66E-05	0.00E+00
1147	441816.1	3769232	1.61E-04	7.55E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.50E-05	0.00E+00
1148	441807.1	3769236	1.61E-04	7.39E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.34E-05	0.00E+00
1149	441798	3769240	1.61E-04	7.24E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.18E-05	0.00E+00

1150	441734.6	3769265	1.61E-04	6.26E-04	0.00E+00	1.82E-04	9.11E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.22E-05	0.00E+00
1151	441725.5	3769269	1.61E-04	6.15E-04	0.00E+00	1.82E-04	8.93E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.10E-05	0.00E+00
1152	441716.4	3769272	1.61E-04	6.03E-04	0.00E+00	1.82E-04	8.76E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.98E-05	0.00E+00
1153	441707.4	3769276	1.61E-04	5.91E-04	0.00E+00	1.82E-04	8.59E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.86E-05	0.00E+00
1154	441698.3	3769279	1.61E-04	5.79E-04	0.00E+00	1.82E-04	8.41E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.75E-05	0.00E+00
1155	441689.3	3769283	1.61E-04	5.55E-04	0.00E+00	1.82E-04	8.07E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.51E-05	0.00E+00
1156	441680.2	3769287	1.61E-04	5.45E-04	0.00E+00	1.82E-04	7.92E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.41E-05	0.00E+00
1157	441671.1	3769290	1.61E-04	5.35E-04	0.00E+00	1.82E-04	7.77E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.31E-05	0.00E+00
1158	441662.1	3769294	1.61E-04	5.25E-04	0.00E+00	1.82E-04	7.64E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.22E-05	0.00E+00
1159	441653	3769298	1.61E-04	5.17E-04	0.00E+00	1.82E-04	7.51E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.13E-05	0.00E+00
1160	441644	3769301	1.61E-04	5.09E-04	0.00E+00	1.82E-04	7.40E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.05E-05	0.00E+00
1161	441634.9	3769305	1.61E-04	5.08E-04	0.00E+00	1.82E-04	7.39E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.04E-05	0.00E+00
1162	441625.8	3769309	1.61E-04	4.99E-04	0.00E+00	1.82E-04	7.26E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.96E-05	0.00E+00
1163	441616.8	3769312	1.61E-04	4.90E-04	0.00E+00	1.82E-04	7.13E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.87E-05	0.00E+00
1164	441607.7	3769316	1.61E-04	4.81E-04	0.00E+00	1.82E-04	6.99E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.78E-05	0.00E+00
1165	441598.6	3769319	1.61E-04	4.72E-04	0.00E+00	1.82E-04	6.86E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.69E-05	0.00E+00
1166	441589.6	3769323	1.61E-04	4.56E-04	0.00E+00	1.82E-04	6.63E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.53E-05	0.00E+00
1167	441580.5	3769327	1.61E-04	4.46E-04	0.00E+00	1.82E-04	6.48E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.43E-05	0.00E+00
1168	441571.5	3769330	1.61E-04	4.36E-04	0.00E+00	1.82E-04	6.34E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.33E-05	0.00E+00
1169	441562.4	3769334	1.61E-04	4.27E-04	0.00E+00	1.82E-04	6.21E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.24E-05	0.00E+00
1170	441553.3	3769338	1.61E-04	4.18E-04	0.00E+00	1.82E-04	6.08E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.15E-05	0.00E+00
1171	441544.3	3769341	1.61E-04	4.09E-04	0.00E+00	1.82E-04	5.95E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.06E-05	0.00E+00
1172	441535.2	3769345	1.61E-04	4.01E-04	0.00E+00	1.82E-04	5.83E-04	0.00E+00	3.05E-05	9.93E-05	0.00E+00	1.33E-05	3.98E-05	0.00E+00
1173	441526.1	3769348	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.72E-04	0.00E+00	3.05E-05	9.74E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
1174	441517.1	3769352	1.61E-04	3.86E-04	0.00E+00	1.82E-04	5.61E-04	0.00E+00	3.05E-05	9.57E-05	0.00E+00	1.33E-05	3.83E-05	0.00E+00
1175	441508	3769356	1.61E-04	3.79E-04	0.00E+00	1.82E-04	5.51E-04	0.00E+00	3.05E-05	9.39E-05	0.00E+00	1.33E-05	3.76E-05	0.00E+00
1176	442222.5	3768746	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.97E-03	0.00E+00	3.05E-05	3.36E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
1177	442218.8	3768755	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.03E-03	0.00E+00	3.05E-05	3.45E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
1178	442215.1	3768764	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.08E-03	0.00E+00	3.05E-05	3.55E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
1179	442211.4	3768773	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.13E-03	0.00E+00	3.05E-05	3.64E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
1180	442207.6	3768782	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.18E-03	0.00E+00	3.05E-05	3.72E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
1181	442203.9	3768792	1.61E-04	1.54E-03	0.00E+00	1.82E-04	2.23E-03	0.00E+00	3.05E-05	3.81E-04	0.00E+00	1.33E-05	1.53E-04	0.00E+00
1182	442200.2	3768801	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.28E-03	0.00E+00	3.05E-05	3.89E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00
1183	442196.4	3768810	1.61E-04	1.60E-03	0.00E+00	1.82E-04	2.33E-03	0.00E+00	3.05E-05	3.97E-04	0.00E+00	1.33E-05	1.59E-04	0.00E+00
1184	442192.7	3768819	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.37E-03	0.00E+00	3.05E-05	4.04E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
1185	442189	3768828	1.61E-04	1.66E-03	0.00E+00	1.82E-04	2.41E-03	0.00E+00	3.05E-05	4.11E-04	0.00E+00	1.33E-05	1.65E-04	0.00E+00
1186	442185.3	3768837	1.61E-04	1.68E-03	0.00E+00	1.82E-04	2.45E-03	0.00E+00	3.05E-05	4.18E-04	0.00E+00	1.33E-05	1.67E-04	0.00E+00
1187	442181.5	3768846	1.61E-04	1.71E-03	0.00E+00	1.82E-04	2.49E-03	0.00E+00	3.05E-05	4.24E-04	0.00E+00	1.33E-05	1.70E-04	0.00E+00
1188	442177.8	3768855	1.61E-04	1.73E-03	0.00E+00	1.82E-04	2.52E-03	0.00E+00	3.05E-05	4.30E-04	0.00E+00	1.33E-05	1.72E-04	0.00E+00
1189	442174.1	3768864	1.61E-04	1.75E-03	0.00E+00	1.82E-04	2.55E-03	0.00E+00	3.05E-05	4.35E-04	0.00E+00	1.33E-05	1.74E-04	0.00E+00
1190	442095.8	3769054	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.26E-03	0.00E+00	3.05E-05	3.86E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
1191	442092.1	3769063	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.21E-03	0.00E+00	3.05E-05	3.77E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
1192	442088.4	3769072	1.61E-04	1.49E-03	0.00E+00	1.82E-04	2.16E-03	0.00E+00	3.05E-05	3.69E-04	0.00E+00	1.33E-05	1.48E-04	0.00E+00
1193	442084.6	3769081	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.11E-03	0.00E+00	3.05E-05	3.60E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
1194	442080.9	3769090	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.51E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
1195	442077.2	3769099	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.42E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
1196	442073.5	3769108	1.61E-04	1.34E-03	0.00E+00	1.82E-04	1.95E-03	0.00E+00	3.05E-05	3.32E-04	0.00E+00	1.33E-05	1.33E-04	0.00E+00
1197	442069.7	3769118	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.89E-03	0.00E+00	3.05E-05	3.23E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
1198	442066	3769127	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.84E-03	0.00E+00	3.05E-05	3.13E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
1199	442062.3	3769136	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.78E-03	0.00E+00	3.05E-05	3.04E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
1200	442058.6	3769145	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.73E-03	0.00E+00	3.05E-05	2.94E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
1201	442054.8	3769154	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.85E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
1202	441880	3769246	1.61E-04	7.44E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.38E-05	0.00E+00
1203	441870.9	3769250	1.61E-04	7.29E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.81E-04	0.00E+00	1.33E-05	7.24E-05	0.00E+00
1204	441861.9	3769254	1.61E-04	7.15E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.10E-05	0.00E+00
1205	441852.8	3769257	1.61E-04	7.01E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.96E-05	0.00E+00
1206	441843.7	3769261	1.61E-04	6.87E-04	0.00E+00	1.82E-04	9.99E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.82E-05	0.00E+00
1207	441834.6	3769265	1.61E-04	6.73E-04	0.00E+00	1.82E-04	9.79E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.69E-05	0.00E+00
1208	441825.5	3769268	1.61E-04	6.60E-04	0.00E+00	1.82E-04	9.59E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.55E-05	0.00E+00
1209	441761.9	3769294	1.61E-04	5.75E-04	0.00E+00	1.82E-04	8.36E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.71E-05	0.00E+00
1210	441752.8	3769297	1.61E-04	5.64E-04	0.00E+00	1.82E-04	8.20E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.60E-05	0.00E+00
1211	441743.7	3769301	1.61E-04	5.53E-04	0.00E+00	1.82E-04	8.04E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.49E-05	0.00E+00
1212	441734.6	3769305	1.61E-04	5.30E-04	0.00E+00	1.82E-04	7.70E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.26E-05	0.00E+00
1213	441725.5	3769308	1.61E-04	5.19E-04	0.00E+00	1.82E-04	7.54E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.15E-05	0.00E+00
1214	441716.4	3769312	1.61E-04	5.08E-04	0.00E+00	1.82E-04	7.38E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.04E-05	0.00E+00
1215	441707.3	3769316	1.61E-04	4.98E-04	0.00E+00	1.82E-04	7.24E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.95E-05	0.00E+00
1216	441698.2	3769319	1.61E-04	4.89E-04	0.00E+00	1.82E-04	7.11E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.86E-05	0.00E+00
1217	441689.1	3769323	1.61E-04	4.82E-04	0.00E+00	1.82E-04	7.00E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.78E-05	0.00E+00
1218	441680.1	3769327	1.61E-04	4.76E-04	0.00E+00	1.82E-04	6.91E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.72E-05	0.00E+00
1219	441671	3769330	1.61E-04	4.70E-04	0.00E+00	1.82E-04	6.83E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.66E-05	0.00E+00
1220	441661.9	3769334	1.61E-04	4.64E-04	0.00E+00	1.82E-04	6.74E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.60E-05	0.00E+00
1221	441652.8	3769337	1.61E-04	4.58E-04	0.00E+00	1.82E-04	6.65E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.54E-05	0.00E+00
1222	441643.7	3769341	1.61E-04	4.57E-04	0.00E+00	1.82E-04	6.64E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.53E-05	0.00E+00
1223	441634.6	3769345	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.53E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
1224	441625.5	3769348	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.42E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
1225	441616.4	3769352	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.31E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
1226	441607.3	3769356	1.61E-04	4.26E-04	0.00E+00	1.82E-04	6.19E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.23E-05	0.00E+00
1227	441543.7	3769381	1.61E-04	3.67E-04	0.00E+00	1.82E-04	5.34E-04	0.00E+00	3.05E-05	9.10E-05	0.00E+00	1.33E-05	3.64E-05	0.00E+00
1228	441534.6	3769385	1.61E-04	3.60E-04	0.00E+00	1.82E-04	5.24E-04	0.00E+00	3.05E-05	8.93E-05	0.00E+00	1.33E-05	3.58E-05	0.00E+00
1229	441525.5	3769388	1.61E-04	3.54E-04	0.00E+00	1.82E-04	5.14E-04	0.00E+00	3.05E-05	8.77E-05	0.00E+00	1.33E-05	3.51E-05	0.00E+00
1230	441516.4	3769392	1.61E-04	3.47E-04	0.00E+00	1.82E-04	5.05E-04	0.00E+00	3.05E-05	8.61E-05	0.00E+00	1.33E-05	3.45E-05	0.00E+00
1231	441507.4	3769396	1.61E-04	3.41E-04	0.00E+00	1.82E-04	4.96E-04	0.00E+00	3.05E-05	8.46E-05	0.00E+00	1.33E-05	3.39E-05	0.00E+00
1232	441498.3	3769399	1.61E-04	3.35E-04	0.00E+00	1.82E-04	4.88E-04	0.00E+00	3.05E-05	8.31E-05	0.00E+00	1.33E-05	3.33E-05	0.00E+00
1233	441489.2	3769403	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.80E-04	0.00E+00	3.05E-05	8.18E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
1234	442262.4	3768746	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.81E-03	0.00E+00	3.05E-05	3.08E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
1235	442258.7	3768755	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.86E-03	0.00E+00	3.05E-05	3.17E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
1236	442254.9	3768764	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.25E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
1237	442251.2	3768773	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.96E-03	0.00E+00	3.05E-05	3.34E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
1238	442247.4	3768783	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.42E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
1239	442243.7	3768792	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.05E-03	0.00E+00	3.05E-05	3.50E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
1240	442240	3768801	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.10E-03	0.00E+00	3.05E-05	3.57E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
1241	442236.2	3768810	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.14E-03	0.00E+00	3.05E-05	3.65E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
1242	442232.5	3768819	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.18E-03	0.00E+00	3.05E-05	3.72E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
1243	442228.8	3768828	1.61E-04	1.53E-03	0.00E+00	1.82E-04	2.22E-03	0.00E+00	3.05E-05	3.78E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
1244	442225	3768837	1.61E-04	1.55E-03	0.00E+00	1.82E-04	2.25E-03	0.00E+00	3.05E-05	3.84E-04	0.00E+00	1.33E-05	1.54E-04	0.00E+00
1245	442221.3	3768846	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.29E-03	0.00E+00	3.05E-05	3.90E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00

1246	442217.5	3768855	1.61E-04	1.59E-03	0.00E+00	1.82E-04	2.32E-03	0.00E+00	3.05E-05	3.95E-04	0.00E+00	1.33E-05	1.58E-04	0.00E+00
1247	442135.3	3769055	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.18E-03	0.00E+00	3.05E-05	3.71E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
1248	442131.6	3769064	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.14E-03	0.00E+00	3.05E-05	3.64E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
1249	442127.9	3769073	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.09E-03	0.00E+00	3.05E-05	3.57E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
1250	442124.1	3769082	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.05E-03	0.00E+00	3.05E-05	3.49E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
1251	442120.4	3769091	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.41E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
1252	442116.6	3769100	1.61E-04	1.34E-03	0.00E+00	1.82E-04	1.95E-03	0.00E+00	3.05E-05	3.33E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
1253	442112.9	3769109	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.25E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
1254	442109.2	3769119	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.86E-03	0.00E+00	3.05E-05	3.16E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
1255	442105.4	3769128	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.81E-03	0.00E+00	3.05E-05	3.08E-04	0.00E+00	1.33E-05	1.23E-04	0.00E+00
1256	442101.7	3769137	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.76E-03	0.00E+00	3.05E-05	2.99E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
1257	442098	3769146	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.70E-03	0.00E+00	3.05E-05	2.91E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
1258	442094.2	3769155	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.82E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
1259	442090.5	3769164	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.74E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
1260	442086.7	3769173	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.65E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
1261	442083	3769182	1.61E-04	1.04E-03	0.00E+00	1.82E-04	1.51E-03	0.00E+00	3.05E-05	2.57E-04	0.00E+00	1.33E-05	1.03E-04	0.00E+00
1262	441907.7	3769275	1.61E-04	6.75E-04	0.00E+00	1.82E-04	9.81E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.70E-05	0.00E+00
1263	441898.6	3769279	1.61E-04	6.62E-04	0.00E+00	1.82E-04	9.63E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.58E-05	0.00E+00
1264	441889.5	3769282	1.61E-04	6.50E-04	0.00E+00	1.82E-04	9.45E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.45E-05	0.00E+00
1265	441880.4	3769286	1.61E-04	6.38E-04	0.00E+00	1.82E-04	9.27E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.33E-05	0.00E+00
1266	441871.3	3769290	1.61E-04	6.26E-04	0.00E+00	1.82E-04	9.10E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.21E-05	0.00E+00
1267	441862.2	3769293	1.61E-04	6.14E-04	0.00E+00	1.82E-04	8.93E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.10E-05	0.00E+00
1268	441853	3769297	1.61E-04	6.02E-04	0.00E+00	1.82E-04	8.76E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.98E-05	0.00E+00
1269	441843.9	3769301	1.61E-04	5.91E-04	0.00E+00	1.82E-04	8.59E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.87E-05	0.00E+00
1270	441780.1	3769326	1.61E-04	5.19E-04	0.00E+00	1.82E-04	7.55E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.16E-05	0.00E+00
1271	441771	3769330	1.61E-04	4.97E-04	0.00E+00	1.82E-04	7.22E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.93E-05	0.00E+00
1272	441761.9	3769333	1.61E-04	4.88E-04	0.00E+00	1.82E-04	7.09E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.84E-05	0.00E+00
1273	441752.8	3769337	1.61E-04	4.80E-04	0.00E+00	1.82E-04	6.97E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.76E-05	0.00E+00
1274	441743.7	3769341	1.61E-04	4.71E-04	0.00E+00	1.82E-04	6.85E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.68E-05	0.00E+00
1275	441734.5	3769344	1.61E-04	4.63E-04	0.00E+00	1.82E-04	6.73E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.60E-05	0.00E+00
1276	441725.4	3769348	1.61E-04	4.55E-04	0.00E+00	1.82E-04	6.61E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.52E-05	0.00E+00
1277	441716.3	3769352	1.61E-04	4.48E-04	0.00E+00	1.82E-04	6.52E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.45E-05	0.00E+00
1278	441707.2	3769355	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.43E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
1279	441552.2	3769417	1.61E-04	3.38E-04	0.00E+00	1.82E-04	4.91E-04	0.00E+00	3.05E-05	8.37E-05	0.00E+00	1.33E-05	3.35E-05	0.00E+00
1280	441543.1	3769421	1.61E-04	3.31E-04	0.00E+00	1.82E-04	4.82E-04	0.00E+00	3.05E-05	8.21E-05	0.00E+00	1.33E-05	3.29E-05	0.00E+00
1281	441534	3769425	1.61E-04	3.25E-04	0.00E+00	1.82E-04	4.73E-04	0.00E+00	3.05E-05	8.06E-05	0.00E+00	1.33E-05	3.23E-05	0.00E+00
1282	441524.9	3769428	1.61E-04	3.20E-04	0.00E+00	1.82E-04	4.65E-04	0.00E+00	3.05E-05	7.92E-05	0.00E+00	1.33E-05	3.17E-05	0.00E+00
1283	441515.8	3769432	1.61E-04	3.14E-04	0.00E+00	1.82E-04	4.57E-04	0.00E+00	3.05E-05	7.78E-05	0.00E+00	1.33E-05	3.12E-05	0.00E+00
1284	441506.7	3769436	1.61E-04	3.09E-04	0.00E+00	1.82E-04	4.49E-04	0.00E+00	3.05E-05	7.66E-05	0.00E+00	1.33E-05	3.07E-05	0.00E+00
1285	441497.6	3769439	1.61E-04	3.04E-04	0.00E+00	1.82E-04	4.42E-04	0.00E+00	3.05E-05	7.53E-05	0.00E+00	1.33E-05	3.02E-05	0.00E+00
1286	441488.4	3769443	1.61E-04	2.99E-04	0.00E+00	1.82E-04	4.34E-04	0.00E+00	3.05E-05	7.40E-05	0.00E+00	1.33E-05	2.97E-05	0.00E+00
1287	442302.3	3768746	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.84E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
1288	442298.5	3768755	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.71E-03	0.00E+00	3.05E-05	2.92E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
1289	442294.8	3768764	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.76E-03	0.00E+00	3.05E-05	3.00E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
1290	442291	3768774	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.80E-03	0.00E+00	3.05E-05	3.08E-04	0.00E+00	1.33E-05	1.23E-04	0.00E+00
1291	442287.3	3768783	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.85E-03	0.00E+00	3.05E-05	3.15E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
1292	442283.5	3768792	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.89E-03	0.00E+00	3.05E-05	3.22E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
1293	442279.8	3768801	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.29E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
1294	442276	3768810	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.97E-03	0.00E+00	3.05E-05	3.36E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
1295	442272.3	3768819	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.42E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
1296	442268.5	3768828	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.04E-03	0.00E+00	3.05E-05	3.48E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
1297	442264.8	3768837	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.08E-03	0.00E+00	3.05E-05	3.54E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
1298	442261	3768846	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.11E-03	0.00E+00	3.05E-05	3.60E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
1299	442257.3	3768855	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.14E-03	0.00E+00	3.05E-05	3.65E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
1300	442174.9	3769056	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.09E-03	0.00E+00	3.05E-05	3.57E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
1301	442171.1	3769065	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.51E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
1302	442167.4	3769074	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.44E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
1303	442163.6	3769083	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.98E-03	0.00E+00	3.05E-05	3.38E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
1304	442159.9	3769092	1.61E-04	1.34E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.31E-04	0.00E+00	1.33E-05	1.33E-04	0.00E+00
1305	442156.1	3769101	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.24E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
1306	442152.4	3769110	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.86E-03	0.00E+00	3.05E-05	3.17E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
1307	442148.7	3769119	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.10E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
1308	442144.9	3769129	1.61E-04	1.22E-03	0.00E+00	1.82E-04	1.77E-03	0.00E+00	3.05E-05	3.02E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00
1309	442141.2	3769138	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.73E-03	0.00E+00	3.05E-05	2.94E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
1310	442137.4	3769147	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.68E-03	0.00E+00	3.05E-05	2.87E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
1311	442133.7	3769156	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
1312	442129.9	3769165	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.59E-03	0.00E+00	3.05E-05	2.71E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
1313	442126.2	3769174	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.54E-03	0.00E+00	3.05E-05	2.63E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
1314	442122.4	3769183	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.56E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
1315	442118.7	3769192	1.61E-04	1.00E-03	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.48E-04	0.00E+00	1.33E-05	9.93E-05	0.00E+00
1316	442114.9	3769201	1.61E-04	9.70E-04	0.00E+00	1.82E-04	1.41E-03	0.00E+00	3.05E-05	2.40E-04	0.00E+00	1.33E-05	9.63E-05	0.00E+00
1317	442045.1	3769260	1.61E-04	7.71E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.65E-05	0.00E+00
1318	442036	3769263	1.61E-04	7.57E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.88E-04	0.00E+00	1.33E-05	7.52E-05	0.00E+00
1319	441926.3	3769307	1.61E-04	5.79E-04	0.00E+00	1.82E-04	8.42E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.75E-05	0.00E+00
1320	441917.2	3769311	1.61E-04	5.70E-04	0.00E+00	1.82E-04	8.28E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.65E-05	0.00E+00
1321	441908.1	3769315	1.61E-04	5.59E-04	0.00E+00	1.82E-04	8.13E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.55E-05	0.00E+00
1322	441898.9	3769318	1.61E-04	5.49E-04	0.00E+00	1.82E-04	7.98E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.45E-05	0.00E+00
1323	441889.8	3769322	1.61E-04	5.39E-04	0.00E+00	1.82E-04	7.83E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.35E-05	0.00E+00
1324	441880.6	3769326	1.61E-04	5.29E-04	0.00E+00	1.82E-04	7.70E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.26E-05	0.00E+00
1325	441871.5	3769329	1.61E-04	5.21E-04	0.00E+00	1.82E-04	7.57E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.17E-05	0.00E+00
1326	441807.5	3769355	1.61E-04	4.61E-04	0.00E+00	1.82E-04	6.71E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.58E-05	0.00E+00
1327	441725.3	3769388	1.61E-04	4.19E-04	0.00E+00	1.82E-04	6.09E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
1328	441716.2	3769391	1.61E-04	4.12E-04	0.00E+00	1.82E-04	6.00E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.09E-05	0.00E+00
1329	441707	3769395	1.61E-04	4.06E-04	0.00E+00	1.82E-04	5.90E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.03E-05	0.00E+00
1330	441697.9	3769399	1.61E-04	4.00E-04	0.00E+00	1.82E-04	5.81E-04	0.00E+00	3.05E-05	9.91E-05	0.00E+00	1.33E-05	3.97E-05	0.00E+00
1331	441688.7	3769402	1.61E-04	3.94E-04	0.00E+00	1.82E-04	5.72E-04	0.00E+00	3.05E-05	9.75E-05	0.00E+00	1.33E-05	3.91E-05	0.00E+00
1332	441679.6	3769406	1.61E-04	3.87E-04	0.00E+00	1.82E-04	5.63E-04	0.00E+00	3.05E-05	9.60E-05	0.00E+00	1.33E-05	3.85E-05	0.00E+00
1333	441670.5	3769410	1.61E-04	3.77E-04	0.00E+00	1.82E-04	5.48E-04	0.00E+00	3.05E-05	9.34E-05	0.00E+00	1.33E-05	3.74E-05	0.00E+00
1334	441551.7	3769457	1.61E-04	3.05E-04	0.00E+00	1.82E-04	4.43E-04	0.00E+00	3.05E-05	7.56E-05	0.00E+00	1.33E-05	3.03E-05	0.00E+00
1335	441542.5	3769461	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.35E-04	0.00E+00	3.05E-05	7.42E-05	0.00E+00	1.33E-05	2.97E-05	0.00E+00
1336	441533.4	3769465	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.28E-04	0.00E+00	3.05E-05	7.29E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
1337	441524.3	3769468	1.61E-04	2.89E-04	0.00E+00	1.82E-04	4.20E-04	0.00E+00	3.05E-05	7.16E-05	0.00E+00	1.33E-05	2.87E-05	0.00E+00
1338	441515.1	3769472	1.61E-04	2.84E-04	0.00E+00	1.82E-04	4.12E-04	0.00E+00	3.05E-05	7.03E-05	0.00E+00	1.33E-05	2.82E-05	0.00E+00
1339	441506	3769476	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.05E-04	0.00E+00	3.05E-05	6.91E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
1340	441496.9	3769479	1.61E-04	2.75E-04	0.00E+00	1.82E-04	3.99E-04	0.00E+00	3.05E-05	6.80E-05	0.00E+00	1.33E-05	2.73E-05	0.00E+00
1341	441487.7	3769483	1.61E-04	2.70E-04	0.00E+00	1.82E-04	3.93E-04	0.00E+00	3.05E-05	6.70E-05	0.00E+00	1.33E-05	2.68E-05	0.00E+00

1342	442339.2	3768753	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.57E-03	0.00E+00	3.05E-05	2.67E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
1343	442335.5	3768762	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.74E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
1344	442331.8	3768771	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.81E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
1345	442328.1	3768780	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.87E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
1346	442324.4	3768789	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.73E-03	0.00E+00	3.05E-05	2.94E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
1347	442320.6	3768798	1.61E-04	1.22E-03	0.00E+00	1.82E-04	1.77E-03	0.00E+00	3.05E-05	3.02E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00
1348	442316.9	3768807	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.81E-03	0.00E+00	3.05E-05	3.08E-04	0.00E+00	1.33E-05	1.23E-04	0.00E+00
1349	442313.2	3768816	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.84E-03	0.00E+00	3.05E-05	3.14E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
1350	442309.5	3768825	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.20E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
1351	442305.8	3768834	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.25E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
1352	442302.1	3768843	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.30E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
1353	442217	3769050	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.45E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
1354	442213.3	3769059	1.61E-04	1.37E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.41E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
1355	442209.6	3769068	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.97E-03	0.00E+00	3.05E-05	3.36E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
1356	442205.9	3769077	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.30E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
1357	442202.2	3769086	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.25E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
1358	442198.5	3769095	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.19E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
1359	442194.7	3769104	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.83E-03	0.00E+00	3.05E-05	3.13E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
1360	442191	3769113	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.80E-03	0.00E+00	3.05E-05	3.07E-04	0.00E+00	1.33E-05	1.23E-04	0.00E+00
1361	442187.3	3769122	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.76E-03	0.00E+00	3.05E-05	3.00E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
1362	442183.6	3769131	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.72E-03	0.00E+00	3.05E-05	2.94E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
1363	442179.9	3769140	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.68E-03	0.00E+00	3.05E-05	2.87E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
1364	442176.2	3769149	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.80E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
1365	442172.5	3769158	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.73E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
1366	442168.8	3769167	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.66E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
1367	442165.1	3769176	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.52E-03	0.00E+00	3.05E-05	2.59E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
1368	442161.4	3769185	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.52E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
1369	442157.7	3769194	1.61E-04	9.90E-04	0.00E+00	1.82E-04	1.44E-03	0.00E+00	3.05E-05	2.45E-04	0.00E+00	1.33E-05	9.83E-05	0.00E+00
1370	442154	3769203	1.61E-04	9.62E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.38E-04	0.00E+00	1.33E-05	9.55E-05	0.00E+00
1371	442142.9	3769230	1.61E-04	8.79E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.18E-04	0.00E+00	1.33E-05	8.73E-05	0.00E+00
1372	442073.9	3769288	1.61E-04	7.05E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.00E-05	0.00E+00
1373	442064.9	3769291	1.61E-04	6.93E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.88E-05	0.00E+00
1374	442055.8	3769295	1.61E-04	6.81E-04	0.00E+00	1.82E-04	9.90E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.76E-05	0.00E+00
1375	442046.8	3769299	1.61E-04	6.69E-04	0.00E+00	1.82E-04	9.73E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.64E-05	0.00E+00
1376	442037.8	3769302	1.61E-04	6.57E-04	0.00E+00	1.82E-04	9.55E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.52E-05	0.00E+00
1377	442028.7	3769306	1.61E-04	6.45E-04	0.00E+00	1.82E-04	9.38E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.40E-05	0.00E+00
1378	441938.4	3769342	1.61E-04	5.15E-04	0.00E+00	1.82E-04	7.48E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.11E-05	0.00E+00
1379	441929.4	3769346	1.61E-04	5.05E-04	0.00E+00	1.82E-04	7.33E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.01E-05	0.00E+00
1380	441920.4	3769349	1.61E-04	4.96E-04	0.00E+00	1.82E-04	7.21E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.92E-05	0.00E+00
1381	441911.3	3769353	1.61E-04	4.88E-04	0.00E+00	1.82E-04	7.09E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.84E-05	0.00E+00
1382	441830.1	3769386	1.61E-04	4.28E-04	0.00E+00	1.82E-04	6.22E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.25E-05	0.00E+00
1383	441821	3769389	1.61E-04	4.22E-04	0.00E+00	1.82E-04	6.14E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.19E-05	0.00E+00
1384	441812	3769393	1.61E-04	4.17E-04	0.00E+00	1.82E-04	6.06E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.14E-05	0.00E+00
1385	441803	3769396	1.61E-04	4.13E-04	0.00E+00	1.82E-04	6.00E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.10E-05	0.00E+00
1386	441739.7	3769422	1.61E-04	3.85E-04	0.00E+00	1.82E-04	5.59E-04	0.00E+00	3.05E-05	9.53E-05	0.00E+00	1.33E-05	3.82E-05	0.00E+00
1387	441730.7	3769425	1.61E-04	3.79E-04	0.00E+00	1.82E-04	5.51E-04	0.00E+00	3.05E-05	9.39E-05	0.00E+00	1.33E-05	3.76E-05	0.00E+00
1388	441721.7	3769429	1.61E-04	3.73E-04	0.00E+00	1.82E-04	5.43E-04	0.00E+00	3.05E-05	9.25E-05	0.00E+00	1.33E-05	3.71E-05	0.00E+00
1389	441712.6	3769433	1.61E-04	3.63E-04	0.00E+00	1.82E-04	5.28E-04	0.00E+00	3.05E-05	9.00E-05	0.00E+00	1.33E-05	3.60E-05	0.00E+00
1390	441703.6	3769436	1.61E-04	3.57E-04	0.00E+00	1.82E-04	5.19E-04	0.00E+00	3.05E-05	8.86E-05	0.00E+00	1.33E-05	3.55E-05	0.00E+00
1391	441694.6	3769440	1.61E-04	3.52E-04	0.00E+00	1.82E-04	5.11E-04	0.00E+00	3.05E-05	8.71E-05	0.00E+00	1.33E-05	3.49E-05	0.00E+00
1392	441685.6	3769443	1.61E-04	3.47E-04	0.00E+00	1.82E-04	5.04E-04	0.00E+00	3.05E-05	8.59E-05	0.00E+00	1.33E-05	3.44E-05	0.00E+00
1393	441676.5	3769447	1.61E-04	3.42E-04	0.00E+00	1.82E-04	4.97E-04	0.00E+00	3.05E-05	8.48E-05	0.00E+00	1.33E-05	3.40E-05	0.00E+00
1394	441667.5	3769451	1.61E-04	3.37E-04	0.00E+00	1.82E-04	4.91E-04	0.00E+00	3.05E-05	8.36E-05	0.00E+00	1.33E-05	3.35E-05	0.00E+00
1395	441550.1	3769498	1.61E-04	2.75E-04	0.00E+00	1.82E-04	4.00E-04	0.00E+00	3.05E-05	6.81E-05	0.00E+00	1.33E-05	2.73E-05	0.00E+00
1396	441541	3769501	1.61E-04	2.70E-04	0.00E+00	1.82E-04	3.93E-04	0.00E+00	3.05E-05	6.70E-05	0.00E+00	1.33E-05	2.68E-05	0.00E+00
1397	441532	3769505	1.61E-04	2.66E-04	0.00E+00	1.82E-04	3.86E-04	0.00E+00	3.05E-05	6.58E-05	0.00E+00	1.33E-05	2.64E-05	0.00E+00
1398	441523	3769508	1.61E-04	2.61E-04	0.00E+00	1.82E-04	3.80E-04	0.00E+00	3.05E-05	6.47E-05	0.00E+00	1.33E-05	2.59E-05	0.00E+00
1399	441514	3769512	1.61E-04	2.57E-04	0.00E+00	1.82E-04	3.73E-04	0.00E+00	3.05E-05	6.36E-05	0.00E+00	1.33E-05	2.55E-05	0.00E+00
1400	441504.9	3769516	1.61E-04	2.53E-04	0.00E+00	1.82E-04	3.67E-04	0.00E+00	3.05E-05	6.26E-05	0.00E+00	1.33E-05	2.51E-05	0.00E+00
1401	441495.9	3769519	1.61E-04	2.49E-04	0.00E+00	1.82E-04	3.61E-04	0.00E+00	3.05E-05	6.16E-05	0.00E+00	1.33E-05	2.47E-05	0.00E+00
1402	441486.9	3769523	1.61E-04	2.45E-04	0.00E+00	1.82E-04	3.55E-04	0.00E+00	3.05E-05	6.06E-05	0.00E+00	1.33E-05	2.43E-05	0.00E+00
1403	441502.6	3768402	1.61E-04	2.51E-03	0.00E+00	1.82E-04	3.65E-03	0.00E+00	3.05E-05	6.22E-04	0.00E+00	1.33E-05	2.49E-04	0.00E+00
1404	441518.9	3768408	1.61E-04	2.42E-03	0.00E+00	1.82E-04	3.51E-03	0.00E+00	3.05E-05	5.99E-04	0.00E+00	1.33E-05	2.40E-04	0.00E+00
1405	441447.4	3768398	1.61E-04	3.14E-03	0.00E+00	1.82E-04	4.56E-03	0.00E+00	3.05E-05	7.77E-04	0.00E+00	1.33E-05	3.11E-04	0.00E+00
1406	441438	3768398	1.61E-04	3.26E-03	0.00E+00	1.82E-04	4.74E-03	0.00E+00	3.05E-05	8.09E-04	0.00E+00	1.33E-05	3.24E-04	0.00E+00
1407	441428.6	3768398	1.61E-04	3.39E-03	0.00E+00	1.82E-04	4.92E-03	0.00E+00	3.05E-05	8.39E-04	0.00E+00	1.33E-05	3.36E-04	0.00E+00
1408	441419.2	3768398	1.61E-04	3.51E-03	0.00E+00	1.82E-04	5.10E-03	0.00E+00	3.05E-05	8.69E-04	0.00E+00	1.33E-05	3.48E-04	0.00E+00
1409	441409.8	3768398	1.61E-04	3.60E-03	0.00E+00	1.82E-04	5.23E-03	0.00E+00	3.05E-05	8.92E-04	0.00E+00	1.33E-05	3.57E-04	0.00E+00
1410	441503.1	3768382	1.61E-04	2.23E-03	0.00E+00	1.82E-04	3.24E-03	0.00E+00	3.05E-05	5.52E-04	0.00E+00	1.33E-05	2.21E-04	0.00E+00
1411	441511.7	3768385	1.61E-04	2.19E-03	0.00E+00	1.82E-04	3.19E-03	0.00E+00	3.05E-05	5.44E-04	0.00E+00	1.33E-05	2.18E-04	0.00E+00
1412	441520.3	3768389	1.61E-04	2.15E-03	0.00E+00	1.82E-04	3.13E-03	0.00E+00	3.05E-05	5.34E-04	0.00E+00	1.33E-05	2.14E-04	0.00E+00
1413	441529	3768392	1.61E-04	2.11E-03	0.00E+00	1.82E-04	3.07E-03	0.00E+00	3.05E-05	5.23E-04	0.00E+00	1.33E-05	2.09E-04	0.00E+00
1414	441537.6	3768396	1.61E-04	2.07E-03	0.00E+00	1.82E-04	3.00E-03	0.00E+00	3.05E-05	5.12E-04	0.00E+00	1.33E-05	2.05E-04	0.00E+00
1415	441546.3	3768400	1.61E-04	2.03E-03	0.00E+00	1.82E-04	2.94E-03	0.00E+00	3.05E-05	5.02E-04	0.00E+00	1.33E-05	2.01E-04	0.00E+00
1416	441554.9	3768403	1.61E-04	1.99E-03	0.00E+00	1.82E-04	2.89E-03	0.00E+00	3.05E-05	4.93E-04	0.00E+00	1.33E-05	1.97E-04	0.00E+00
1417	441563.5	3768407	1.61E-04	1.95E-03	0.00E+00	1.82E-04	2.83E-03	0.00E+00	3.05E-05	4.83E-04	0.00E+00	1.33E-05	1.94E-04	0.00E+00
1418	441447.5	3768378	1.61E-04	2.72E-03	0.00E+00	1.82E-04	3.95E-03	0.00E+00	3.05E-05	6.73E-04	0.00E+00	1.33E-05	2.70E-04	0.00E+00
1419	441438.1	3768378	1.61E-04	2.83E-03	0.00E+00	1.82E-04	4.11E-03	0.00E+00	3.05E-05	7.01E-04	0.00E+00	1.33E-05	2.81E-04	0.00E+00
1420	441428.7	3768378	1.61E-04	2.94E-03	0.00E+00	1.82E-04	4.27E-03	0.00E+00	3.05E-05	7.28E-04	0.00E+00	1.33E-05	2.92E-04	0.00E+00
1421	441419.3	3768378	1.61E-04	3.05E-03	0.00E+00	1.82E-04	4.43E-03	0.00E+00	3.05E-05	7.55E-04	0.00E+00	1.33E-05	3.03E-04	0.00E+00
1422	441409.9	3768378	1.61E-04	3.13E-03	0.00E+00	1.82E-04	4.56E-03	0.00E+00	3.05E-05	7.77E-04	0.00E+00	1.33E-05	3.11E-04	0.00E+00
1423	441502.9	3768362	1.61E-04	1.99E-03	0.00E+00	1.82E-04	2.89E-03	0.00E+00	3.05E-05	4.92E-04	0.00E+00	1.33E-05	1.97E-04	0.00E+00
1424	441511.3	3768365	1.61E-04	1.96E-03	0.00E+00	1.82E-04	2.85E-03	0.00E+00	3.05E-05	4.86E-04	0.00E+00	1.33E-05	1.95E-04	0.00E+00
1425	441519.8	3768369	1.61E-04	1.93E-03	0.00E+00	1.82E-04	2.81E-03	0.00E+00	3.05E-05	4.79E-04	0.00E+00	1.33E-05	1.92E-04	0.00E+00
1426	441528.2	3768372	1.61E-04	1.90E-03	0.00E+00	1.82E-04	2.77E-03	0.00E+00	3.05E-05	4.72E-04	0.00E+00	1.33E-05	1.89E-04	0.00E+00
1427	441536.6	3768376	1.61E-04	1.87E-03	0.00E+00	1.82E-04	2.72E-03	0.00E+00	3.05E-05	4.64E-04	0.00E+00	1.33E-05	1.86E-04	0.00E+00
1428	441545	3768379	1.61E-04	1.84E-03	0.00E+00	1.82E-04	2.68E-03	0.00E+00	3.05E-05	4.57E-04	0.00E+00	1.33E-05	1.83E-04	0.00E+00
1429	441553.4	3768383	1.61E-04	1.81E-03	0.00E+00	1.82E-04	2.64E-03	0.00E+00	3.05E-05	4.49E-04	0.00E+00	1.33E-05	1.80E-04	0.00E+00
1430	441561.9	3768386	1.61E-04	1.78E-03	0.00E+00	1.82E-04	2.59E-03	0.00E+00	3.05E-05	4.42E-04	0.00E+00	1.33E-05	1.77E-04	0.00E+00
1431	441570.3	3768390	1.61E-04	1.75E-03	0.00E+00	1.82E-04	2.54E-03	0.00E+00	3.05E-05	4.34E-04	0.00E+00	1.33E-05	1.74E-04	0.00E+00
1432	441578.7	3768393	1.61E-04	1.72E-03	0.00E+00	1.82E-04	2.50E-03	0.00E+00	3.05E-05	4.27E-04	0.00E+00	1.33E-05	1.71E-04	0.00E+00
1433	441587.1	3768397	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.46E-03	0.00E+00	3.05E-05	4.20E-04	0.00E+00	1.33E-05	1.68E-04	0.00E+00
1434	441595.6	3768400	1.61E-04	1.67E-03	0.00E+00	1.82E-04	2.42E-03	0.00E+00	3.05E-05	4.13E-04	0.00E+00	1.33E-05	1.66E-04	0.00E+00
1435	441604	3768403	1.61E-04	1.64E-03	0.00E+00	1.82E-04	2.38E-03	0.00E+00	3.05E-05	4.06E-04	0.00E+00	1.33E-05	1.63E-04	0.00E+00
1436	441612.4	3768407	1.61E-04	1.61E-03	0.00E+00	1.82E-04	2.34E-03	0.00E+00	3.05E-05	3.98E-04	0.00E+00	1.33E-05	1.60E-04	0.00E+00
1437	441447.5	3768358	1.61E-04	2.39E-03	0.00E+00	1.82E-04	3.47E-03	0.00E+00	3.05E-05	5.91E-04	0.00E+00	1.33E-05	2.37E-04	0.00E+00

1438	441438.1	3768358	1.61E-04	2.48E-03	0.00E+00	1.82E-04	3.61E-03	0.00E+00	3.05E-05	6.15E-04	0.00E+00	1.33E-05	2.46E-04	0.00E+00
1439	441428.8	3768358	1.61E-04	2.58E-03	0.00E+00	1.82E-04	3.75E-03	0.00E+00	3.05E-05	6.39E-04	0.00E+00	1.33E-05	2.56E-04	0.00E+00
1440	441419.4	3768358	1.61E-04	2.68E-03	0.00E+00	1.82E-04	3.89E-03	0.00E+00	3.05E-05	6.63E-04	0.00E+00	1.33E-05	2.66E-04	0.00E+00
1441	441410	3768358	1.61E-04	2.76E-03	0.00E+00	1.82E-04	4.00E-03	0.00E+00	3.05E-05	6.83E-04	0.00E+00	1.33E-05	2.74E-04	0.00E+00
1442	441502.8	3768342	1.61E-04	1.81E-03	0.00E+00	1.82E-04	2.62E-03	0.00E+00	3.05E-05	4.47E-04	0.00E+00	1.33E-05	1.79E-04	0.00E+00
1443	441519.3	3768348	1.61E-04	1.76E-03	0.00E+00	1.82E-04	2.55E-03	0.00E+00	3.05E-05	4.36E-04	0.00E+00	1.33E-05	1.74E-04	0.00E+00
1444	441535.8	3768355	1.61E-04	1.71E-03	0.00E+00	1.82E-04	2.48E-03	0.00E+00	3.05E-05	4.23E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
1445	441552.4	3768362	1.61E-04	1.66E-03	0.00E+00	1.82E-04	2.42E-03	0.00E+00	3.05E-05	4.12E-04	0.00E+00	1.33E-05	1.65E-04	0.00E+00
1446	441568.9	3768369	1.61E-04	1.62E-03	0.00E+00	1.82E-04	2.35E-03	0.00E+00	3.05E-05	4.01E-04	0.00E+00	1.33E-05	1.61E-04	0.00E+00
1447	441585.4	3768376	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.28E-03	0.00E+00	3.05E-05	3.88E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00
1448	441601.9	3768383	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.21E-03	0.00E+00	3.05E-05	3.76E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
1449	441618.4	3768389	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.13E-03	0.00E+00	3.05E-05	3.64E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
1450	441638.4	3768405	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.10E-03	0.00E+00	3.05E-05	3.58E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
1451	441447.6	3768338	1.61E-04	2.15E-03	0.00E+00	1.82E-04	3.12E-03	0.00E+00	3.05E-05	5.32E-04	0.00E+00	1.33E-05	2.13E-04	0.00E+00
1452	441438.2	3768338	1.61E-04	2.23E-03	0.00E+00	1.82E-04	3.24E-03	0.00E+00	3.05E-05	5.52E-04	0.00E+00	1.33E-05	2.21E-04	0.00E+00
1453	441428.8	3768338	1.61E-04	2.31E-03	0.00E+00	1.82E-04	3.36E-03	0.00E+00	3.05E-05	5.72E-04	0.00E+00	1.33E-05	2.29E-04	0.00E+00
1454	441419.4	3768338	1.61E-04	2.39E-03	0.00E+00	1.82E-04	3.47E-03	0.00E+00	3.05E-05	5.92E-04	0.00E+00	1.33E-05	2.37E-04	0.00E+00
1455	441410	3768338	1.61E-04	2.46E-03	0.00E+00	1.82E-04	3.57E-03	0.00E+00	3.05E-05	6.09E-04	0.00E+00	1.33E-05	2.44E-04	0.00E+00
1456	441503.2	3768322	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.39E-03	0.00E+00	3.05E-05	4.08E-04	0.00E+00	1.33E-05	1.63E-04	0.00E+00
1457	441511.8	3768325	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.37E-03	0.00E+00	3.05E-05	4.04E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
1458	441520.4	3768329	1.61E-04	1.61E-03	0.00E+00	1.82E-04	2.34E-03	0.00E+00	3.05E-05	3.99E-04	0.00E+00	1.33E-05	1.60E-04	0.00E+00
1459	441528.9	3768332	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.30E-03	0.00E+00	3.05E-05	3.92E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
1460	441537.5	3768336	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.27E-03	0.00E+00	3.05E-05	3.86E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
1461	441546.1	3768339	1.61E-04	1.54E-03	0.00E+00	1.82E-04	2.24E-03	0.00E+00	3.05E-05	3.82E-04	0.00E+00	1.33E-05	1.53E-04	0.00E+00
1462	441554.7	3768343	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.21E-03	0.00E+00	3.05E-05	3.77E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
1463	441563.2	3768347	1.61E-04	1.51E-03	0.00E+00	1.82E-04	2.19E-03	0.00E+00	3.05E-05	3.73E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
1464	441571.8	3768350	1.61E-04	1.49E-03	0.00E+00	1.82E-04	2.16E-03	0.00E+00	3.05E-05	3.68E-04	0.00E+00	1.33E-05	1.48E-04	0.00E+00
1465	441580.4	3768354	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.13E-03	0.00E+00	3.05E-05	3.63E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
1466	441589	3768357	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.09E-03	0.00E+00	3.05E-05	3.57E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
1467	441597.6	3768361	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.51E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
1468	441606.1	3768364	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.03E-03	0.00E+00	3.05E-05	3.46E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
1469	441614.7	3768368	1.61E-04	1.37E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.40E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
1470	441623.3	3768371	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.97E-03	0.00E+00	3.05E-05	3.35E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
1471	441631.9	3768375	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.29E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
1472	441640.4	3768379	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.23E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
1473	441652.6	3768391	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.24E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
1474	441656.2	3768399	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.30E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
1475	441659.8	3768408	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.97E-03	0.00E+00	3.05E-05	3.37E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
1476	441447.7	3768318	1.61E-04	1.94E-03	0.00E+00	1.82E-04	2.81E-03	0.00E+00	3.05E-05	4.80E-04	0.00E+00	1.33E-05	1.92E-04	0.00E+00
1477	441438.3	3768318	1.61E-04	2.00E-03	0.00E+00	1.82E-04	2.91E-03	0.00E+00	3.05E-05	4.97E-04	0.00E+00	1.33E-05	1.99E-04	0.00E+00
1478	441428.9	3768318	1.61E-04	2.07E-03	0.00E+00	1.82E-04	3.02E-03	0.00E+00	3.05E-05	5.14E-04	0.00E+00	1.33E-05	2.06E-04	0.00E+00
1479	441419.5	3768318	1.61E-04	2.14E-03	0.00E+00	1.82E-04	3.12E-03	0.00E+00	3.05E-05	5.31E-04	0.00E+00	1.33E-05	2.13E-04	0.00E+00
1480	441410.1	3768318	1.61E-04	2.20E-03	0.00E+00	1.82E-04	3.20E-03	0.00E+00	3.05E-05	5.45E-04	0.00E+00	1.33E-05	2.18E-04	0.00E+00
1481	441503.1	3768302	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.18E-03	0.00E+00	3.05E-05	3.71E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
1482	441511.5	3768305	1.61E-04	1.49E-03	0.00E+00	1.82E-04	2.16E-03	0.00E+00	3.05E-05	3.68E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
1483	441520	3768309	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.14E-03	0.00E+00	3.05E-05	3.64E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
1484	441528.4	3768312	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.11E-03	0.00E+00	3.05E-05	3.60E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
1485	441536.8	3768316	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.09E-03	0.00E+00	3.05E-05	3.56E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
1486	441545.2	3768319	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.52E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
1487	441553.6	3768323	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.04E-03	0.00E+00	3.05E-05	3.48E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
1488	441562.1	3768326	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.45E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
1489	441570.5	3768330	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.41E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
1490	441578.9	3768333	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.98E-03	0.00E+00	3.05E-05	3.37E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
1491	441587.3	3768337	1.61E-04	1.34E-03	0.00E+00	1.82E-04	1.95E-03	0.00E+00	3.05E-05	3.33E-04	0.00E+00	1.33E-05	1.33E-04	0.00E+00
1492	441595.7	3768340	1.61E-04	1.32E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.28E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
1493	441604.2	3768343	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.23E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
1494	441612.6	3768347	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.19E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
1495	441621	3768350	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.84E-03	0.00E+00	3.05E-05	3.14E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
1496	441629.4	3768354	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.81E-03	0.00E+00	3.05E-05	3.09E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
1497	441637.9	3768357	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.78E-03	0.00E+00	3.05E-05	3.04E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
1498	441646.3	3768361	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.75E-03	0.00E+00	3.05E-05	2.98E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
1499	441654.7	3768364	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.72E-03	0.00E+00	3.05E-05	2.93E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
1500	441494.7	3768298	1.61E-04	1.51E-03	0.00E+00	1.82E-04	2.20E-03	0.00E+00	3.05E-05	3.75E-04	0.00E+00	1.33E-05	1.50E-04	0.00E+00
1501	441485.3	3768298	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.26E-03	0.00E+00	3.05E-05	3.86E-04	0.00E+00	1.33E-05	1.54E-04	0.00E+00
1502	441475.9	3768298	1.61E-04	1.60E-03	0.00E+00	1.82E-04	2.33E-03	0.00E+00	3.05E-05	3.97E-04	0.00E+00	1.33E-05	1.59E-04	0.00E+00
1503	441466.5	3768298	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.40E-03	0.00E+00	3.05E-05	4.09E-04	0.00E+00	1.33E-05	1.64E-04	0.00E+00
1504	441457.1	3768298	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.48E-03	0.00E+00	3.05E-05	4.22E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
1505	441447.7	3768298	1.61E-04	1.76E-03	0.00E+00	1.82E-04	2.55E-03	0.00E+00	3.05E-05	4.35E-04	0.00E+00	1.33E-05	1.74E-04	0.00E+00
1506	441438.3	3768298	1.61E-04	1.81E-03	0.00E+00	1.82E-04	2.64E-03	0.00E+00	3.05E-05	4.50E-04	0.00E+00	1.33E-05	1.80E-04	0.00E+00
1507	441428.9	3768298	1.61E-04	1.87E-03	0.00E+00	1.82E-04	2.72E-03	0.00E+00	3.05E-05	4.64E-04	0.00E+00	1.33E-05	1.86E-04	0.00E+00
1508	441419.6	3768298	1.61E-04	1.93E-03	0.00E+00	1.82E-04	2.81E-03	0.00E+00	3.05E-05	4.79E-04	0.00E+00	1.33E-05	1.92E-04	0.00E+00
1509	441410.2	3768298	1.61E-04	1.98E-03	0.00E+00	1.82E-04	2.88E-03	0.00E+00	3.05E-05	4.91E-04	0.00E+00	1.33E-05	1.97E-04	0.00E+00
1510	441503	3768282	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.42E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
1511	441511.3	3768285	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.99E-03	0.00E+00	3.05E-05	3.39E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
1512	441527.9	3768292	1.61E-04	1.34E-03	0.00E+00	1.82E-04	1.95E-03	0.00E+00	3.05E-05	3.32E-04	0.00E+00	1.33E-05	1.33E-04	0.00E+00
1513	441544.5	3768299	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.26E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
1514	441552.8	3768302	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.89E-03	0.00E+00	3.05E-05	3.23E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
1515	441569.4	3768309	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.86E-03	0.00E+00	3.05E-05	3.17E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
1516	441586	3768316	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.10E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
1517	441602.6	3768323	1.61E-04	1.22E-03	0.00E+00	1.82E-04	1.78E-03	0.00E+00	3.05E-05	3.03E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00
1518	441610.9	3768326	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.75E-03	0.00E+00	3.05E-05	2.99E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
1519	441627.5	3768333	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.70E-03	0.00E+00	3.05E-05	2.90E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
1520	441635.7	3768337	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.85E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
1521	441652.3	3768343	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.62E-03	0.00E+00	3.05E-05	2.76E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
1522	441694.6	3768395	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.84E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
1523	441485.4	3768278	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.09E-03	0.00E+00	3.05E-05	3.56E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
1524	441476	3768278	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.15E-03	0.00E+00	3.05E-05	3.66E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
1525	441466.6	3768278	1.61E-04	1.53E-03	0.00E+00	1.82E-04	2.22E-03	0.00E+00	3.05E-05	3.78E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
1526	441457.2	3768278	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.29E-03	0.00E+00	3.05E-05	3.90E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00
1527	441447.8	3768278	1.61E-04	1.62E-03	0.00E+00	1.82E-04	2.36E-03	0.00E+00	3.05E-05	4.02E-04	0.00E+00	1.33E-05	1.61E-04	0.00E+00
1528	441438.4	3768278	1.61E-04	1.67E-03	0.00E+00	1.82E-04	2.42E-03	0.00E+00	3.05E-05	4.13E-04	0.00E+00	1.33E-05	1.66E-04	0.00E+00
1529	441429	3768278	1.61E-04	1.72E-03	0.00E+00	1.82E-04	2.49E-03	0.00E+00	3.05E-05	4.25E-04	0.00E+00	1.33E-05	1.70E-04	0.00E+00
1530	441419.6	3768278	1.61E-04	1.76E-03	0.00E+00	1.82E-04	2.56E-03	0.00E+00	3.05E-05	4.37E-04	0.00E+00	1.33E-05	1.75E-04	0.00E+00
1531	441410.2	3768278	1.61E-04	1.80E-03	0.00E+00	1.82E-04	2.62E-03	0.00E+00	3.05E-05	4.47E-04	0.00E+00	1.33E-05	1.79E-04	0.00E+00
1532	441503.4	3768262	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.86E-03	0.00E+00	3.05E-05	3.17E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
1533	441511.9	3768265	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.84E-03	0.00E+00	3.05E-05	3.14E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00

1534	441520.4	3768269	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.83E-03	0.00E+00	3.05E-05	3.11E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
1535	441529	3768272	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.81E-03	0.00E+00	3.05E-05	3.09E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
1536	441537.5	3768276	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.80E-03	0.00E+00	3.05E-05	3.06E-04	0.00E+00	1.33E-05	1.23E-04	0.00E+00
1537	441546.1	3768279	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.78E-03	0.00E+00	3.05E-05	3.04E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
1538	441554.6	3768283	1.61E-04	1.22E-03	0.00E+00	1.82E-04	1.77E-03	0.00E+00	3.05E-05	3.01E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00
1539	441563.2	3768286	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.75E-03	0.00E+00	3.05E-05	2.99E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
1540	441571.7	3768290	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.73E-03	0.00E+00	3.05E-05	2.96E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
1541	441580.3	3768294	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.71E-03	0.00E+00	3.05E-05	2.92E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
1542	441588.8	3768297	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.89E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
1543	441597.3	3768301	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.85E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
1544	441605.9	3768304	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.82E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
1545	441614.4	3768308	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.78E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
1546	441623	3768311	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.74E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
1547	441631.5	3768315	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.70E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
1548	441640.1	3768318	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.65E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
1549	441648.6	3768322	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.53E-03	0.00E+00	3.05E-05	2.61E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
1550	441657.1	3768325	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.56E-04	0.00E+00	1.33E-05	1.03E-04	0.00E+00
1551	441665.7	3768329	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.52E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
1552	441694.9	3768348	1.61E-04	9.74E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.41E-04	0.00E+00	1.33E-05	9.67E-05	0.00E+00
1553	441698.5	3768357	1.61E-04	9.84E-04	0.00E+00	1.82E-04	1.43E-03	0.00E+00	3.05E-05	2.44E-04	0.00E+00	1.33E-05	9.77E-05	0.00E+00
1554	441702.1	3768365	1.61E-04	9.98E-04	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.47E-04	0.00E+00	1.33E-05	9.91E-05	0.00E+00
1555	441705.7	3768374	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.52E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
1556	441709.3	3768382	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.56E-04	0.00E+00	1.33E-05	1.03E-04	0.00E+00
1557	441712.9	3768391	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.53E-03	0.00E+00	3.05E-05	2.62E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
1558	441494.8	3768258	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.88E-03	0.00E+00	3.05E-05	3.20E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
1559	441485.4	3768258	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.29E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
1560	441476	3768258	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.98E-03	0.00E+00	3.05E-05	3.38E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
1561	441466.6	3768258	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.05E-03	0.00E+00	3.05E-05	3.49E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
1562	441457.3	3768258	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.11E-03	0.00E+00	3.05E-05	3.60E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
1563	441447.9	3768258	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.18E-03	0.00E+00	3.05E-05	3.71E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
1564	441438.5	3768258	1.61E-04	1.54E-03	0.00E+00	1.82E-04	2.23E-03	0.00E+00	3.05E-05	3.81E-04	0.00E+00	1.33E-05	1.53E-04	0.00E+00
1565	441429.1	3768258	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.29E-03	0.00E+00	3.05E-05	3.91E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
1566	441419.7	3768258	1.61E-04	1.62E-03	0.00E+00	1.82E-04	2.35E-03	0.00E+00	3.05E-05	4.01E-04	0.00E+00	1.33E-05	1.61E-04	0.00E+00
1567	441410.3	3768258	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.40E-03	0.00E+00	3.05E-05	4.09E-04	0.00E+00	1.33E-05	1.64E-04	0.00E+00
1568	441503.3	3768242	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.73E-03	0.00E+00	3.05E-05	2.95E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
1569	441511.7	3768245	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.72E-03	0.00E+00	3.05E-05	2.93E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
1570	441520.1	3768249	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.71E-03	0.00E+00	3.05E-05	2.91E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
1571	441528.6	3768252	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.70E-03	0.00E+00	3.05E-05	2.90E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
1572	441537	3768256	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.88E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
1573	441545.4	3768259	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.85E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
1574	441553.8	3768263	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.66E-03	0.00E+00	3.05E-05	2.83E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
1575	441562.3	3768266	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.81E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
1576	441570.7	3768270	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
1577	441579.1	3768273	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.62E-03	0.00E+00	3.05E-05	2.76E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
1578	441587.5	3768277	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.72E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
1579	441595.9	3768280	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.69E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
1580	441604.4	3768283	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.65E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
1581	441612.8	3768287	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.53E-03	0.00E+00	3.05E-05	2.62E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
1582	441621.2	3768290	1.61E-04	1.04E-03	0.00E+00	1.82E-04	1.51E-03	0.00E+00	3.05E-05	2.58E-04	0.00E+00	1.33E-05	1.03E-04	0.00E+00
1583	441629.6	3768294	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.54E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
1584	441638	3768297	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.50E-04	0.00E+00	1.33E-05	1.00E-04	0.00E+00
1585	441646.5	3768301	1.61E-04	9.94E-04	0.00E+00	1.82E-04	1.44E-03	0.00E+00	3.05E-05	2.46E-04	0.00E+00	1.33E-05	9.87E-05	0.00E+00
1586	441654.9	3768304	1.61E-04	9.78E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.42E-04	0.00E+00	1.33E-05	9.71E-05	0.00E+00
1587	441663.3	3768308	1.61E-04	9.62E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.38E-04	0.00E+00	1.33E-05	9.55E-05	0.00E+00
1588	441697	3768322	1.61E-04	9.00E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.23E-04	0.00E+00	1.33E-05	8.94E-05	0.00E+00
1589	441709	3768334	1.61E-04	8.93E-04	0.00E+00	1.82E-04	1.30E-03	0.00E+00	3.05E-05	2.21E-04	0.00E+00	1.33E-05	8.87E-05	0.00E+00
1590	441712.5	3768342	1.61E-04	9.01E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.23E-04	0.00E+00	1.33E-05	8.95E-05	0.00E+00
1591	441719.6	3768359	1.61E-04	9.17E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.27E-04	0.00E+00	1.33E-05	9.10E-05	0.00E+00
1592	441726.7	3768376	1.61E-04	9.55E-04	0.00E+00	1.82E-04	1.39E-03	0.00E+00	3.05E-05	2.37E-04	0.00E+00	1.33E-05	9.48E-05	0.00E+00
1593	441730.2	3768384	1.61E-04	9.76E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.42E-04	0.00E+00	1.33E-05	9.69E-05	0.00E+00
1594	441779.8	3768502	1.61E-04	1.54E-03	0.00E+00	1.82E-04	2.24E-03	0.00E+00	3.05E-05	3.82E-04	0.00E+00	1.33E-05	1.53E-04	0.00E+00
1595	441783.3	3768510	1.61E-04	1.61E-03	0.00E+00	1.82E-04	2.34E-03	0.00E+00	3.05E-05	3.98E-04	0.00E+00	1.33E-05	1.60E-04	0.00E+00
1596	441494.9	3768238	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.75E-03	0.00E+00	3.05E-05	2.98E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
1597	441485.5	3768238	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.79E-03	0.00E+00	3.05E-05	3.05E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
1598	441476.1	3768238	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.84E-03	0.00E+00	3.05E-05	3.13E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
1599	441466.7	3768238	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.23E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
1600	441457.3	3768238	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.96E-03	0.00E+00	3.05E-05	3.33E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
1601	441447.9	3768238	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.43E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
1602	441438.5	3768238	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.52E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
1603	441429.1	3768238	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.12E-03	0.00E+00	3.05E-05	3.61E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
1604	441419.7	3768238	1.61E-04	1.49E-03	0.00E+00	1.82E-04	2.17E-03	0.00E+00	3.05E-05	3.69E-04	0.00E+00	1.33E-05	1.48E-04	0.00E+00
1605	441410.4	3768238	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.20E-03	0.00E+00	3.05E-05	3.76E-04	0.00E+00	1.33E-05	1.50E-04	0.00E+00
1606	441503.5	3768202	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.53E-03	0.00E+00	3.05E-05	2.60E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
1607	441512.1	3768205	1.61E-04	1.04E-03	0.00E+00	1.82E-04	1.51E-03	0.00E+00	3.05E-05	2.57E-04	0.00E+00	1.33E-05	1.03E-04	0.00E+00
1608	441520.6	3768209	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.56E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
1609	441529.1	3768212	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.54E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
1610	441537.6	3768216	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.53E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
1611	441546.1	3768219	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.52E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
1612	441554.7	3768223	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.50E-04	0.00E+00	1.33E-05	1.00E-04	0.00E+00
1613	441563.2	3768226	1.61E-04	1.00E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.49E-04	0.00E+00	1.33E-05	9.97E-05	0.00E+00
1614	441571.7	3768230	1.61E-04	9.97E-04	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.47E-04	0.00E+00	1.33E-05	9.90E-05	0.00E+00
1615	441580.2	3768233	1.61E-04	9.87E-04	0.00E+00	1.82E-04	1.43E-03	0.00E+00	3.05E-05	2.45E-04	0.00E+00	1.33E-05	9.80E-05	0.00E+00
1616	441588.7	3768237	1.61E-04	9.76E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.42E-04	0.00E+00	1.33E-05	9.69E-05	0.00E+00
1617	441597.3	3768241	1.61E-04	9.65E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.39E-04	0.00E+00	1.33E-05	9.58E-05	0.00E+00
1618	441605.8	3768244	1.61E-04	9.52E-04	0.00E+00	1.82E-04	1.38E-03	0.00E+00	3.05E-05	2.36E-04	0.00E+00	1.33E-05	9.46E-05	0.00E+00
1619	441614.3	3768248	1.61E-04	9.39E-04	0.00E+00	1.82E-04	1.37E-03	0.00E+00	3.05E-05	2.33E-04	0.00E+00	1.33E-05	9.32E-05	0.00E+00
1620	441622.8	3768251	1.61E-04	9.26E-04	0.00E+00	1.82E-04	1.35E-03	0.00E+00	3.05E-05	2.29E-04	0.00E+00	1.33E-05	9.19E-05	0.00E+00
1621	441631.4	3768255	1.61E-04	9.12E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.26E-04	0.00E+00	1.33E-05	9.06E-05	0.00E+00
1622	441639.9	3768258	1.61E-04	8.99E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.23E-04	0.00E+00	1.33E-05	8.93E-05	0.00E+00
1623	441648.4	3768262	1.61E-04	8.86E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.19E-04	0.00E+00	1.33E-05	8.79E-05	0.00E+00
1624	441656.9	3768265	1.61E-04	8.72E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.16E-04	0.00E+00	1.33E-05	8.65E-05	0.00E+00
1625	441665.4	3768269	1.61E-04	8.58E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.13E-04	0.00E+00	1.33E-05	8.52E-05	0.00E+00
1626	441691	3768279	1.61E-04	8.22E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.04E-04	0.00E+00	1.33E-05	8.16E-05	0.00E+00
1627	441699.5	3768283	1.61E-04	8.09E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	8.03E-05	0.00E+00
1628	441708	3768286	1.61E-04	7.96E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.97E-04	0.00E+00	1.33E-05	7.90E-05	0.00E+00
1629	441716.6	3768290	1.61E-04	7.83E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.77E-05	0.00E+00

1630	441725.1	3768293	1.61E-04	7.72E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.67E-05	0.00E+00
1631	441737.2	3768305	1.61E-04	7.72E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.67E-05	0.00E+00
1632	441740.8	3768314	1.61E-04	7.82E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.76E-05	0.00E+00
1633	441744.4	3768322	1.61E-04	7.92E-04	0.00E+00	1.82E-04	1.15E-03	0.00E+00	3.05E-05	1.96E-04	0.00E+00	1.33E-05	7.86E-05	0.00E+00
1634	441747.9	3768331	1.61E-04	8.02E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	1.99E-04	0.00E+00	1.33E-05	7.96E-05	0.00E+00
1635	441751.5	3768339	1.61E-04	8.11E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.01E-04	0.00E+00	1.33E-05	8.05E-05	0.00E+00
1636	441755.1	3768348	1.61E-04	8.21E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.03E-04	0.00E+00	1.33E-05	8.15E-05	0.00E+00
1637	441758.7	3768356	1.61E-04	8.31E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.06E-04	0.00E+00	1.33E-05	8.25E-05	0.00E+00
1638	441762.3	3768365	1.61E-04	8.45E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.39E-05	0.00E+00
1639	441765.9	3768373	1.61E-04	8.61E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.13E-04	0.00E+00	1.33E-05	8.55E-05	0.00E+00
1640	441769.4	3768382	1.61E-04	8.79E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.18E-04	0.00E+00	1.33E-05	8.73E-05	0.00E+00
1641	441773	3768390	1.61E-04	8.99E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.23E-04	0.00E+00	1.33E-05	8.92E-05	0.00E+00
1642	441798.1	3768450	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.75E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
1643	441801.7	3768458	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.66E-03	0.00E+00	3.05E-05	2.84E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
1644	441805.3	3768467	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.72E-03	0.00E+00	3.05E-05	2.94E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
1645	441808.8	3768475	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.78E-03	0.00E+00	3.05E-05	3.04E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
1646	441812.4	3768484	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.85E-03	0.00E+00	3.05E-05	3.16E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
1647	441816	3768492	1.61E-04	1.32E-03	0.00E+00	1.82E-04	1.92E-03	0.00E+00	3.05E-05	3.28E-04	0.00E+00	1.33E-05	1.31E-04	0.00E+00
1648	441819.6	3768501	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.41E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
1649	441823.2	3768509	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.09E-03	0.00E+00	3.05E-05	3.56E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
1650	441826.7	3768518	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.17E-03	0.00E+00	3.05E-05	3.71E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
1651	441495	3768198	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.54E-03	0.00E+00	3.05E-05	2.63E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
1652	441485.6	3768198	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.70E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
1653	441476.2	3768198	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.62E-03	0.00E+00	3.05E-05	2.76E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
1654	441466.8	3768198	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.66E-03	0.00E+00	3.05E-05	2.83E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
1655	441457.4	3768198	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.70E-03	0.00E+00	3.05E-05	2.90E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
1656	441448	3768198	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.74E-03	0.00E+00	3.05E-05	2.97E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
1657	441438.7	3768198	1.61E-04	1.22E-03	0.00E+00	1.82E-04	1.77E-03	0.00E+00	3.05E-05	3.02E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00
1658	441429.3	3768198	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.81E-03	0.00E+00	3.05E-05	3.08E-04	0.00E+00	1.33E-05	1.23E-04	0.00E+00
1659	441419.9	3768198	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.84E-03	0.00E+00	3.05E-05	3.14E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
1660	441410.5	3768198	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.19E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
1661	441503.7	3768162	1.61E-04	9.25E-04	0.00E+00	1.82E-04	1.34E-03	0.00E+00	3.05E-05	2.29E-04	0.00E+00	1.33E-05	9.18E-05	0.00E+00
1662	441512.3	3768165	1.61E-04	9.16E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.27E-04	0.00E+00	1.33E-05	9.10E-05	0.00E+00
1663	441520.9	3768169	1.61E-04	9.08E-04	0.00E+00	1.82E-04	1.32E-03	0.00E+00	3.05E-05	2.25E-04	0.00E+00	1.33E-05	9.01E-05	0.00E+00
1664	441529.5	3768172	1.61E-04	8.99E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.23E-04	0.00E+00	1.33E-05	8.93E-05	0.00E+00
1665	441538.2	3768176	1.61E-04	8.91E-04	0.00E+00	1.82E-04	1.30E-03	0.00E+00	3.05E-05	2.21E-04	0.00E+00	1.33E-05	8.85E-05	0.00E+00
1666	441546.8	3768180	1.61E-04	8.87E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.20E-04	0.00E+00	1.33E-05	8.80E-05	0.00E+00
1667	441555.4	3768183	1.61E-04	8.83E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.19E-04	0.00E+00	1.33E-05	8.77E-05	0.00E+00
1668	441564	3768187	1.61E-04	8.80E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.18E-04	0.00E+00	1.33E-05	8.74E-05	0.00E+00
1669	441572.6	3768190	1.61E-04	8.77E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.17E-04	0.00E+00	1.33E-05	8.71E-05	0.00E+00
1670	441581.2	3768194	1.61E-04	8.74E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.17E-04	0.00E+00	1.33E-05	8.68E-05	0.00E+00
1671	441589.8	3768197	1.61E-04	8.71E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.16E-04	0.00E+00	1.33E-05	8.64E-05	0.00E+00
1672	441598.4	3768201	1.61E-04	8.66E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.15E-04	0.00E+00	1.33E-05	8.59E-05	0.00E+00
1673	441607	3768204	1.61E-04	8.59E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.13E-04	0.00E+00	1.33E-05	8.53E-05	0.00E+00
1674	441615.6	3768208	1.61E-04	8.51E-04	0.00E+00	1.82E-04	1.24E-03	0.00E+00	3.05E-05	2.11E-04	0.00E+00	1.33E-05	8.45E-05	0.00E+00
1675	441624.2	3768212	1.61E-04	8.42E-04	0.00E+00	1.82E-04	1.22E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.36E-05	0.00E+00
1676	441632.8	3768215	1.61E-04	8.31E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.06E-04	0.00E+00	1.33E-05	8.25E-05	0.00E+00
1677	441641.4	3768219	1.61E-04	8.19E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.03E-04	0.00E+00	1.33E-05	8.13E-05	0.00E+00
1678	441650	3768222	1.61E-04	8.07E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	8.02E-05	0.00E+00
1679	441658.6	3768226	1.61E-04	7.96E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.97E-04	0.00E+00	1.33E-05	7.90E-05	0.00E+00
1680	441667.2	3768229	1.61E-04	7.85E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.95E-04	0.00E+00	1.33E-05	7.79E-05	0.00E+00
1681	441693	3768240	1.61E-04	7.52E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.47E-05	0.00E+00
1682	441701.6	3768244	1.61E-04	7.39E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.34E-05	0.00E+00
1683	441710.2	3768247	1.61E-04	7.26E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.21E-05	0.00E+00
1684	441718.8	3768251	1.61E-04	7.14E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.09E-05	0.00E+00
1685	441727.4	3768254	1.61E-04	7.04E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	6.99E-05	0.00E+00
1686	441736	3768258	1.61E-04	6.96E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.91E-05	0.00E+00
1687	441744.6	3768261	1.61E-04	6.88E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.83E-05	0.00E+00
1688	441753.2	3768265	1.61E-04	6.80E-04	0.00E+00	1.82E-04	9.89E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.75E-05	0.00E+00
1689	441765.4	3768277	1.61E-04	6.79E-04	0.00E+00	1.82E-04	9.87E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.74E-05	0.00E+00
1690	441769	3768286	1.61E-04	6.87E-04	0.00E+00	1.82E-04	9.99E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.82E-05	0.00E+00
1691	441772.7	3768294	1.61E-04	6.95E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.90E-05	0.00E+00
1692	441776.3	3768303	1.61E-04	7.04E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.99E-05	0.00E+00
1693	441779.9	3768312	1.61E-04	7.11E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.06E-05	0.00E+00
1694	441783.5	3768320	1.61E-04	7.18E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.13E-05	0.00E+00
1695	441787.1	3768329	1.61E-04	7.25E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.20E-05	0.00E+00
1696	441790.7	3768337	1.61E-04	7.34E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.28E-05	0.00E+00
1697	441794.4	3768346	1.61E-04	7.43E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.38E-05	0.00E+00
1698	441798	3768354	1.61E-04	7.54E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.48E-05	0.00E+00
1699	441801.6	3768363	1.61E-04	7.67E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.61E-05	0.00E+00
1700	441805.2	3768372	1.61E-04	7.83E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.77E-05	0.00E+00
1701	441808.8	3768380	1.61E-04	7.99E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.98E-04	0.00E+00	1.33E-05	7.94E-05	0.00E+00
1702	441812.4	3768389	1.61E-04	8.18E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.03E-04	0.00E+00	1.33E-05	8.12E-05	0.00E+00
1703	441837.7	3768449	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.49E-04	0.00E+00	1.33E-05	9.99E-05	0.00E+00
1704	441841.4	3768457	1.61E-04	1.04E-03	0.00E+00	1.82E-04	1.51E-03	0.00E+00	3.05E-05	2.58E-04	0.00E+00	1.33E-05	1.03E-04	0.00E+00
1705	441845	3768466	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.66E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
1706	441848.6	3768475	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.62E-03	0.00E+00	3.05E-05	2.76E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
1707	441852.2	3768483	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.68E-03	0.00E+00	3.05E-05	2.86E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
1708	441855.8	3768492	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.74E-03	0.00E+00	3.05E-05	2.97E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
1709	441859.4	3768500	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.81E-03	0.00E+00	3.05E-05	3.08E-04	0.00E+00	1.33E-05	1.23E-04	0.00E+00
1710	441863.1	3768509	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.88E-03	0.00E+00	3.05E-05	3.20E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
1711	441866.7	3768517	1.61E-04	1.34E-03	0.00E+00	1.82E-04	1.95E-03	0.00E+00	3.05E-05	3.33E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
1712	441495.1	3768158	1.61E-04	9.32E-04	0.00E+00	1.82E-04	1.36E-03	0.00E+00	3.05E-05	2.31E-04	0.00E+00	1.33E-05	9.26E-05	0.00E+00
1713	441485.7	3768158	1.61E-04	9.52E-04	0.00E+00	1.82E-04	1.38E-03	0.00E+00	3.05E-05	2.36E-04	0.00E+00	1.33E-05	9.45E-05	0.00E+00
1714	441476.4	3768158	1.61E-04	9.72E-04	0.00E+00	1.82E-04	1.41E-03	0.00E+00	3.05E-05	2.41E-04	0.00E+00	1.33E-05	9.65E-05	0.00E+00
1715	441467	3768158	1.61E-04	9.89E-04	0.00E+00	1.82E-04	1.44E-03	0.00E+00	3.05E-05	2.45E-04	0.00E+00	1.33E-05	9.82E-05	0.00E+00
1716	441457.6	3768158	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.49E-04	0.00E+00	1.33E-05	9.99E-05	0.00E+00
1717	441448.2	3768158	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.54E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
1718	441438.8	3768158	1.61E-04	1.04E-03	0.00E+00	1.82E-04	1.52E-03	0.00E+00	3.05E-05	2.59E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
1719	441429.4	3768158	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.54E-03	0.00E+00	3.05E-05	2.63E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
1720	441420	3768158	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.57E-03	0.00E+00	3.05E-05	2.68E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
1721	441410.6	3768158	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.73E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
1722	441503.9	3768122	1.61E-04	8.14E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.02E-04	0.00E+00	1.33E-05	8.08E-05	0.00E+00
1723	441512.6	3768125	1.61E-04	8.06E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	8.00E-05	0.00E+00
1724	441521.3	3768129	1.61E-04	7.99E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.98E-04	0.00E+00	1.33E-05	7.93E-05	0.00E+00
1725	441529.9	3768133	1.61E-04	7.91E-04	0.00E+00	1.82E-04	1.15E-03	0.00E+00	3.05E-05	1.96E-04	0.00E+00	1.33E-05	7.85E-05	0.00E+00

1726	441538.6	3768136	1.61E-04	7.83E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.78E-05	0.00E+00
1727	441547.3	3768140	1.61E-04	7.78E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.93E-04	0.00E+00	1.33E-05	7.73E-05	0.00E+00
1728	441555.9	3768143	1.61E-04	7.74E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.69E-05	0.00E+00
1729	441564.6	3768147	1.61E-04	7.70E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.64E-05	0.00E+00
1730	441573.3	3768150	1.61E-04	7.67E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.61E-05	0.00E+00
1731	441582	3768154	1.61E-04	7.66E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.60E-05	0.00E+00
1732	441590.6	3768158	1.61E-04	7.65E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.59E-05	0.00E+00
1733	441599.3	3768161	1.61E-04	7.64E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.58E-05	0.00E+00
1734	441608	3768165	1.61E-04	7.61E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.56E-05	0.00E+00
1735	441616.6	3768168	1.61E-04	7.58E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.88E-04	0.00E+00	1.33E-05	7.52E-05	0.00E+00
1736	441625.3	3768172	1.61E-04	7.54E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.48E-05	0.00E+00
1737	441634	3768176	1.61E-04	7.48E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.85E-04	0.00E+00	1.33E-05	7.43E-05	0.00E+00
1738	441642.6	3768179	1.61E-04	7.40E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.35E-05	0.00E+00
1739	441651.3	3768183	1.61E-04	7.32E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.81E-04	0.00E+00	1.33E-05	7.26E-05	0.00E+00
1740	441660	3768186	1.61E-04	7.23E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.18E-05	0.00E+00
1741	441668.6	3768190	1.61E-04	7.14E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.09E-05	0.00E+00
1742	441694.7	3768201	1.61E-04	6.86E-04	0.00E+00	1.82E-04	9.97E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.81E-05	0.00E+00
1743	441703.3	3768204	1.61E-04	6.76E-04	0.00E+00	1.82E-04	9.82E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.71E-05	0.00E+00
1744	441712	3768208	1.61E-04	6.65E-04	0.00E+00	1.82E-04	9.67E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.60E-05	0.00E+00
1745	441720.7	3768212	1.61E-04	6.55E-04	0.00E+00	1.82E-04	9.52E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.50E-05	0.00E+00
1746	441729.3	3768215	1.61E-04	6.45E-04	0.00E+00	1.82E-04	9.38E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.41E-05	0.00E+00
1747	441738	3768219	1.61E-04	6.36E-04	0.00E+00	1.82E-04	9.25E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.32E-05	0.00E+00
1748	441746.7	3768222	1.61E-04	6.28E-04	0.00E+00	1.82E-04	9.13E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.23E-05	0.00E+00
1749	441755.3	3768226	1.61E-04	6.20E-04	0.00E+00	1.82E-04	9.02E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.16E-05	0.00E+00
1750	441764	3768229	1.61E-04	6.13E-04	0.00E+00	1.82E-04	8.91E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.09E-05	0.00E+00
1751	441772.7	3768233	1.61E-04	6.06E-04	0.00E+00	1.82E-04	8.81E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.02E-05	0.00E+00
1752	441781.3	3768237	1.61E-04	5.99E-04	0.00E+00	1.82E-04	8.70E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.94E-05	0.00E+00
1753	441793.7	3768249	1.61E-04	5.97E-04	0.00E+00	1.82E-04	8.68E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.93E-05	0.00E+00
1754	441797.3	3768258	1.61E-04	6.03E-04	0.00E+00	1.82E-04	8.76E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.98E-05	0.00E+00
1755	441800.9	3768266	1.61E-04	6.08E-04	0.00E+00	1.82E-04	8.84E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.04E-05	0.00E+00
1756	441804.6	3768275	1.61E-04	6.15E-04	0.00E+00	1.82E-04	8.93E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.10E-05	0.00E+00
1757	441808.2	3768283	1.61E-04	6.22E-04	0.00E+00	1.82E-04	9.04E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.17E-05	0.00E+00
1758	441811.9	3768292	1.61E-04	6.29E-04	0.00E+00	1.82E-04	9.15E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.25E-05	0.00E+00
1759	441815.5	3768301	1.61E-04	6.38E-04	0.00E+00	1.82E-04	9.27E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.33E-05	0.00E+00
1760	441819.2	3768309	1.61E-04	6.45E-04	0.00E+00	1.82E-04	9.37E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.40E-05	0.00E+00
1761	441822.8	3768318	1.61E-04	6.52E-04	0.00E+00	1.82E-04	9.48E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.48E-05	0.00E+00
1762	441826.4	3768327	1.61E-04	6.61E-04	0.00E+00	1.82E-04	9.61E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.56E-05	0.00E+00
1763	441830.1	3768335	1.61E-04	6.71E-04	0.00E+00	1.82E-04	9.76E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.66E-05	0.00E+00
1764	441833.7	3768344	1.61E-04	6.82E-04	0.00E+00	1.82E-04	9.92E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.78E-05	0.00E+00
1765	441837.4	3768353	1.61E-04	6.95E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.89E-05	0.00E+00
1766	441841	3768361	1.61E-04	7.08E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.03E-05	0.00E+00
1767	441844.7	3768370	1.61E-04	7.23E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.18E-05	0.00E+00
1768	441848.3	3768379	1.61E-04	7.40E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.35E-05	0.00E+00
1769	441852	3768387	1.61E-04	7.58E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.88E-04	0.00E+00	1.33E-05	7.53E-05	0.00E+00
1770	441855.6	3768396	1.61E-04	7.77E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.93E-04	0.00E+00	1.33E-05	7.71E-05	0.00E+00
1771	441877.5	3768448	1.61E-04	9.14E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.26E-04	0.00E+00	1.33E-05	9.07E-05	0.00E+00
1772	441881.1	3768456	1.61E-04	9.43E-04	0.00E+00	1.82E-04	1.37E-03	0.00E+00	3.05E-05	2.34E-04	0.00E+00	1.33E-05	9.36E-05	0.00E+00
1773	441884.8	3768465	1.61E-04	9.76E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.42E-04	0.00E+00	1.33E-05	9.69E-05	0.00E+00
1774	441888.4	3768474	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.51E-04	0.00E+00	1.33E-05	1.00E-04	0.00E+00
1775	441892	3768482	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.52E-03	0.00E+00	3.05E-05	2.60E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
1776	441895.7	3768491	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.69E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
1777	441899.3	3768500	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.78E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
1778	441903	3768508	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.89E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
1779	441906.6	3768517	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.76E-03	0.00E+00	3.05E-05	3.00E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
1780	441910.3	3768526	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.11E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
1781	441495.3	3768118	1.61E-04	8.22E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.04E-04	0.00E+00	1.33E-05	8.16E-05	0.00E+00
1782	441485.9	3768118	1.61E-04	8.40E-04	0.00E+00	1.82E-04	1.22E-03	0.00E+00	3.05E-05	2.08E-04	0.00E+00	1.33E-05	8.34E-05	0.00E+00
1783	441476.5	3768118	1.61E-04	8.58E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.13E-04	0.00E+00	1.33E-05	8.52E-05	0.00E+00
1784	441467.1	3768118	1.61E-04	8.75E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.17E-04	0.00E+00	1.33E-05	8.69E-05	0.00E+00
1785	441457.7	3768118	1.61E-04	8.93E-04	0.00E+00	1.82E-04	1.30E-03	0.00E+00	3.05E-05	2.21E-04	0.00E+00	1.33E-05	8.86E-05	0.00E+00
1786	441448.3	3768118	1.61E-04	9.09E-04	0.00E+00	1.82E-04	1.32E-03	0.00E+00	3.05E-05	2.25E-04	0.00E+00	1.33E-05	9.02E-05	0.00E+00
1787	441438.9	3768118	1.61E-04	9.19E-04	0.00E+00	1.82E-04	1.34E-03	0.00E+00	3.05E-05	2.28E-04	0.00E+00	1.33E-05	9.12E-05	0.00E+00
1788	441429.5	3768118	1.61E-04	9.28E-04	0.00E+00	1.82E-04	1.35E-03	0.00E+00	3.05E-05	2.30E-04	0.00E+00	1.33E-05	9.21E-05	0.00E+00
1789	441420.1	3768118	1.61E-04	9.38E-04	0.00E+00	1.82E-04	1.36E-03	0.00E+00	3.05E-05	2.32E-04	0.00E+00	1.33E-05	9.31E-05	0.00E+00
1790	441410.7	3768118	1.61E-04	9.54E-04	0.00E+00	1.82E-04	1.39E-03	0.00E+00	3.05E-05	2.36E-04	0.00E+00	1.33E-05	9.47E-05	0.00E+00
1791	441503.9	3768082	1.61E-04	7.31E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.81E-04	0.00E+00	1.33E-05	7.26E-05	0.00E+00
1792	441512.4	3768085	1.61E-04	7.23E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.18E-05	0.00E+00
1793	441520.9	3768089	1.61E-04	7.14E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.09E-05	0.00E+00
1794	441529.4	3768092	1.61E-04	7.04E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	6.99E-05	0.00E+00
1795	441537.9	3768096	1.61E-04	6.95E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.90E-05	0.00E+00
1796	441546.4	3768099	1.61E-04	6.91E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.86E-05	0.00E+00
1797	441554.9	3768103	1.61E-04	6.87E-04	0.00E+00	1.82E-04	9.99E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.82E-05	0.00E+00
1798	441563.4	3768106	1.61E-04	6.84E-04	0.00E+00	1.82E-04	9.94E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.79E-05	0.00E+00
1799	441571.8	3768110	1.61E-04	6.81E-04	0.00E+00	1.82E-04	9.91E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.77E-05	0.00E+00
1800	441580.3	3768113	1.61E-04	6.81E-04	0.00E+00	1.82E-04	9.90E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.76E-05	0.00E+00
1801	441588.8	3768117	1.61E-04	6.80E-04	0.00E+00	1.82E-04	9.89E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.75E-05	0.00E+00
1802	441597.3	3768120	1.61E-04	6.79E-04	0.00E+00	1.82E-04	9.87E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.74E-05	0.00E+00
1803	441605.8	3768124	1.61E-04	6.78E-04	0.00E+00	1.82E-04	9.85E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.73E-05	0.00E+00
1804	441614.3	3768127	1.61E-04	6.77E-04	0.00E+00	1.82E-04	9.83E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.72E-05	0.00E+00
1805	441622.8	3768131	1.61E-04	6.75E-04	0.00E+00	1.82E-04	9.81E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.70E-05	0.00E+00
1806	441631.3	3768134	1.61E-04	6.73E-04	0.00E+00	1.82E-04	9.78E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.68E-05	0.00E+00
1807	441639.8	3768138	1.61E-04	6.70E-04	0.00E+00	1.82E-04	9.73E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.65E-05	0.00E+00
1808	441648.3	3768141	1.61E-04	6.66E-04	0.00E+00	1.82E-04	9.68E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.61E-05	0.00E+00
1809	441656.8	3768145	1.61E-04	6.62E-04	0.00E+00	1.82E-04	9.62E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.57E-05	0.00E+00
1810	441665.3	3768149	1.61E-04	6.55E-04	0.00E+00	1.82E-04	9.52E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.50E-05	0.00E+00
1811	441699.3	3768163	1.61E-04	6.22E-04	0.00E+00	1.82E-04	9.03E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.17E-05	0.00E+00
1812	441707.8	3768166	1.61E-04	6.13E-04	0.00E+00	1.82E-04	8.91E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.08E-05	0.00E+00
1813	441716.3	3768170	1.61E-04	6.04E-04	0.00E+00	1.82E-04	8.78E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.00E-05	0.00E+00
1814	441724.8	3768173	1.61E-04	5.97E-04	0.00E+00	1.82E-04	8.68E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.93E-05	0.00E+00
1815	441733.3	3768177	1.61E-04	5.91E-04	0.00E+00	1.82E-04	8.59E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.86E-05	0.00E+00
1816	441741.8	3768180	1.61E-04	5.84E-04	0.00E+00	1.82E-04	8.49E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.80E-05	0.00E+00
1817	441750.2	3768184	1.61E-04	5.77E-04	0.00E+00	1.82E-04	8.39E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.73E-05	0.00E+00
1818	441758.7	3768187	1.61E-04	5.71E-04	0.00E+00	1.82E-04	8.31E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.67E-05	0.00E+00
1819	441767.2	3768191	1.61E-04	5.66E-04	0.00E+00	1.82E-04	8.22E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.62E-05	0.00E+00
1820	441775.7	3768194	1.61E-04	5.60E-04	0.00E+00	1.82E-04	8.14E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.56E-05	0.00E+00
1821	441784.2	3768198	1.61E-04	5.54E-04	0.00E+00	1.82E-04	8.06E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.50E-05	0.00E+00

1822	441792.7	3768201	1.61E-04	5.49E-04	0.00E+00	1.82E-04	7.97E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.45E-05	0.00E+00
1823	441801.2	3768205	1.61E-04	5.43E-04	0.00E+00	1.82E-04	7.89E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.39E-05	0.00E+00
1824	441809.7	3768208	1.61E-04	5.38E-04	0.00E+00	1.82E-04	7.81E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.34E-05	0.00E+00
1825	441821.8	3768220	1.61E-04	5.34E-04	0.00E+00	1.82E-04	7.76E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
1826	441825.3	3768229	1.61E-04	5.37E-04	0.00E+00	1.82E-04	7.81E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.33E-05	0.00E+00
1827	441828.9	3768237	1.61E-04	5.41E-04	0.00E+00	1.82E-04	7.86E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.37E-05	0.00E+00
1828	441832.5	3768246	1.61E-04	5.46E-04	0.00E+00	1.82E-04	7.93E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.42E-05	0.00E+00
1829	441836.1	3768254	1.61E-04	5.50E-04	0.00E+00	1.82E-04	8.00E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.46E-05	0.00E+00
1830	441839.6	3768263	1.61E-04	5.56E-04	0.00E+00	1.82E-04	8.08E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.52E-05	0.00E+00
1831	441843.2	3768271	1.61E-04	5.61E-04	0.00E+00	1.82E-04	8.16E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.57E-05	0.00E+00
1832	441846.8	3768280	1.61E-04	5.68E-04	0.00E+00	1.82E-04	8.26E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.64E-05	0.00E+00
1833	441850.3	3768288	1.61E-04	5.76E-04	0.00E+00	1.82E-04	8.38E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.72E-05	0.00E+00
1834	441857.5	3768305	1.61E-04	5.93E-04	0.00E+00	1.82E-04	8.62E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.89E-05	0.00E+00
1835	441861.1	3768314	1.61E-04	6.01E-04	0.00E+00	1.82E-04	8.74E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.97E-05	0.00E+00
1836	441864.6	3768322	1.61E-04	6.10E-04	0.00E+00	1.82E-04	8.87E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.06E-05	0.00E+00
1837	441868.2	3768331	1.61E-04	6.20E-04	0.00E+00	1.82E-04	9.01E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.15E-05	0.00E+00
1838	441871.8	3768339	1.61E-04	6.30E-04	0.00E+00	1.82E-04	9.16E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.25E-05	0.00E+00
1839	441875.3	3768347	1.61E-04	6.41E-04	0.00E+00	1.82E-04	9.32E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.36E-05	0.00E+00
1840	441878.9	3768356	1.61E-04	6.53E-04	0.00E+00	1.82E-04	9.49E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.48E-05	0.00E+00
1841	441882.5	3768364	1.61E-04	6.66E-04	0.00E+00	1.82E-04	9.67E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.61E-05	0.00E+00
1842	441889.6	3768381	1.61E-04	6.93E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.88E-05	0.00E+00
1843	441893.2	3768390	1.61E-04	7.07E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.02E-05	0.00E+00
1844	441896.8	3768398	1.61E-04	7.23E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.18E-05	0.00E+00
1845	441918.2	3768449	1.61E-04	8.45E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.39E-05	0.00E+00
1846	441925.3	3768466	1.61E-04	9.03E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.24E-04	0.00E+00	1.33E-05	8.96E-05	0.00E+00
1847	441928.9	3768475	1.61E-04	9.33E-04	0.00E+00	1.82E-04	1.36E-03	0.00E+00	3.05E-05	2.31E-04	0.00E+00	1.33E-05	9.27E-05	0.00E+00
1848	441932.5	3768483	1.61E-04	9.65E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.39E-04	0.00E+00	1.33E-05	9.58E-05	0.00E+00
1849	441936.1	3768492	1.61E-04	9.97E-04	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.47E-04	0.00E+00	1.33E-05	9.90E-05	0.00E+00
1850	441939.6	3768500	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.55E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
1851	441943.2	3768508	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.55E-03	0.00E+00	3.05E-05	2.64E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
1852	441946.8	3768517	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.73E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
1853	441495.4	3768078	1.61E-04	7.38E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.33E-05	0.00E+00
1854	441486	3768078	1.61E-04	7.55E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.49E-05	0.00E+00
1855	441476.6	3768078	1.61E-04	7.70E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.65E-05	0.00E+00
1856	441467.2	3768078	1.61E-04	7.84E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.78E-05	0.00E+00
1857	441457.8	3768078	1.61E-04	7.97E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.98E-04	0.00E+00	1.33E-05	7.91E-05	0.00E+00
1858	441448.4	3768078	1.61E-04	8.11E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.01E-04	0.00E+00	1.33E-05	8.05E-05	0.00E+00
1859	441439	3768078	1.61E-04	8.23E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.04E-04	0.00E+00	1.33E-05	8.17E-05	0.00E+00
1860	441429.6	3768078	1.61E-04	8.35E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.07E-04	0.00E+00	1.33E-05	8.29E-05	0.00E+00
1861	441420.3	3768078	1.61E-04	8.47E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.10E-04	0.00E+00	1.33E-05	8.41E-05	0.00E+00
1862	441410.9	3768078	1.61E-04	8.61E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.13E-04	0.00E+00	1.33E-05	8.55E-05	0.00E+00
1863	441564	3768067	1.61E-04	6.22E-04	0.00E+00	1.82E-04	9.04E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.17E-05	0.00E+00
1864	441572.5	3768070	1.61E-04	6.19E-04	0.00E+00	1.82E-04	8.99E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.14E-05	0.00E+00
1865	441581.1	3768074	1.61E-04	6.17E-04	0.00E+00	1.82E-04	8.96E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.12E-05	0.00E+00
1866	441589.7	3768077	1.61E-04	6.15E-04	0.00E+00	1.82E-04	8.94E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.11E-05	0.00E+00
1867	441598.2	3768081	1.61E-04	6.14E-04	0.00E+00	1.82E-04	8.93E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.10E-05	0.00E+00
1868	441606.8	3768084	1.61E-04	6.13E-04	0.00E+00	1.82E-04	8.91E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.08E-05	0.00E+00
1869	441615.3	3768088	1.61E-04	6.10E-04	0.00E+00	1.82E-04	8.87E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.06E-05	0.00E+00
1870	441623.9	3768091	1.61E-04	6.07E-04	0.00E+00	1.82E-04	8.83E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.03E-05	0.00E+00
1871	441632.5	3768095	1.61E-04	6.05E-04	0.00E+00	1.82E-04	8.80E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.01E-05	0.00E+00
1872	441641	3768098	1.61E-04	6.04E-04	0.00E+00	1.82E-04	8.78E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.00E-05	0.00E+00
1873	441649.6	3768102	1.61E-04	6.02E-04	0.00E+00	1.82E-04	8.76E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.98E-05	0.00E+00
1874	441658.1	3768106	1.61E-04	6.00E-04	0.00E+00	1.82E-04	8.73E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.96E-05	0.00E+00
1875	441666.7	3768109	1.61E-04	5.97E-04	0.00E+00	1.82E-04	8.68E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.93E-05	0.00E+00
1876	441692.4	3768120	1.61E-04	5.83E-04	0.00E+00	1.82E-04	8.47E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.79E-05	0.00E+00
1877	441700.9	3768123	1.61E-04	5.76E-04	0.00E+00	1.82E-04	8.37E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.72E-05	0.00E+00
1878	441709.5	3768127	1.61E-04	5.68E-04	0.00E+00	1.82E-04	8.26E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.64E-05	0.00E+00
1879	441718	3768130	1.61E-04	5.61E-04	0.00E+00	1.82E-04	8.15E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.56E-05	0.00E+00
1880	441726.6	3768134	1.61E-04	5.54E-04	0.00E+00	1.82E-04	8.05E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.50E-05	0.00E+00
1881	441735.1	3768137	1.61E-04	5.48E-04	0.00E+00	1.82E-04	7.96E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.44E-05	0.00E+00
1882	441743.7	3768141	1.61E-04	5.42E-04	0.00E+00	1.82E-04	7.88E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.38E-05	0.00E+00
1883	441752.3	3768145	1.61E-04	5.37E-04	0.00E+00	1.82E-04	7.80E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.33E-05	0.00E+00
1884	441760.8	3768148	1.61E-04	5.31E-04	0.00E+00	1.82E-04	7.72E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.27E-05	0.00E+00
1885	441769.4	3768152	1.61E-04	5.26E-04	0.00E+00	1.82E-04	7.64E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.22E-05	0.00E+00
1886	441777.9	3768155	1.61E-04	5.21E-04	0.00E+00	1.82E-04	7.57E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.17E-05	0.00E+00
1887	441786.5	3768159	1.61E-04	5.16E-04	0.00E+00	1.82E-04	7.50E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.12E-05	0.00E+00
1888	441795.1	3768162	1.61E-04	5.11E-04	0.00E+00	1.82E-04	7.42E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.07E-05	0.00E+00
1889	441803.6	3768166	1.61E-04	5.05E-04	0.00E+00	1.82E-04	7.35E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.02E-05	0.00E+00
1890	441812.2	3768169	1.61E-04	5.00E-04	0.00E+00	1.82E-04	7.27E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.97E-05	0.00E+00
1891	441820.7	3768173	1.61E-04	4.94E-04	0.00E+00	1.82E-04	7.19E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.91E-05	0.00E+00
1892	441829.3	3768176	1.61E-04	4.89E-04	0.00E+00	1.82E-04	7.10E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.85E-05	0.00E+00
1893	441837.8	3768180	1.61E-04	4.83E-04	0.00E+00	1.82E-04	7.03E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.80E-05	0.00E+00
1894	441850	3768192	1.61E-04	4.79E-04	0.00E+00	1.82E-04	6.97E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.76E-05	0.00E+00
1895	441853.6	3768201	1.61E-04	4.82E-04	0.00E+00	1.82E-04	7.01E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.79E-05	0.00E+00
1896	441857.2	3768209	1.61E-04	4.86E-04	0.00E+00	1.82E-04	7.06E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.82E-05	0.00E+00
1897	441860.8	3768218	1.61E-04	4.90E-04	0.00E+00	1.82E-04	7.12E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.86E-05	0.00E+00
1898	441864.4	3768226	1.61E-04	4.94E-04	0.00E+00	1.82E-04	7.18E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.90E-05	0.00E+00
1899	441868	3768235	1.61E-04	4.98E-04	0.00E+00	1.82E-04	7.24E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.94E-05	0.00E+00
1900	441871.6	3768243	1.61E-04	5.02E-04	0.00E+00	1.82E-04	7.30E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	4.99E-05	0.00E+00
1901	441875.2	3768252	1.61E-04	5.07E-04	0.00E+00	1.82E-04	7.37E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.03E-05	0.00E+00
1902	441878.8	3768260	1.61E-04	5.12E-04	0.00E+00	1.82E-04	7.44E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.08E-05	0.00E+00
1903	441882.4	3768269	1.61E-04	5.18E-04	0.00E+00	1.82E-04	7.52E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.14E-05	0.00E+00
1904	441886	3768277	1.61E-04	5.25E-04	0.00E+00	1.82E-04	7.63E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.21E-05	0.00E+00
1905	441889.6	3768286	1.61E-04	5.33E-04	0.00E+00	1.82E-04	7.74E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.29E-05	0.00E+00
1906	441893.2	3768294	1.61E-04	5.41E-04	0.00E+00	1.82E-04	7.87E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.37E-05	0.00E+00
1907	441896.8	3768303	1.61E-04	5.50E-04	0.00E+00	1.82E-04	7.99E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.46E-05	0.00E+00
1908	441900.4	3768312	1.61E-04	5.58E-04	0.00E+00	1.82E-04	8.11E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.54E-05	0.00E+00
1909	441904	3768320	1.61E-04	5.68E-04	0.00E+00	1.82E-04	8.25E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.63E-05	0.00E+00
1910	441907.6	3768329	1.61E-04	5.78E-04	0.00E+00	1.82E-04	8.40E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.74E-05	0.00E+00
1911	441911.2	3768337	1.61E-04	5.87E-04	0.00E+00	1.82E-04	8.54E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.83E-05	0.00E+00
1912	441914.8	3768346	1.61E-04	5.98E-04	0.00E+00	1.82E-04	8.69E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.93E-05	0.00E+00
1913	441918.4	3768354	1.61E-04	6.08E-04	0.00E+00	1.82E-04	8.84E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.04E-05	0.00E+00
1914	441922	3768363	1.61E-04	6.19E-04	0.00E+00	1.82E-04	9.00E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.15E-05	0.00E+00
1915	441925.6	3768371	1.61E-04	6.31E-04	0.00E+00	1.82E-04	9.17E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.26E-05	0.00E+00
1916	441929.1	3768380	1.61E-04	6.43E-04	0.00E+00	1.82E-04	9.35E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.38E-05	0.00E+00
1917	441932.7	3768388	1.61E-04	6.56E-04	0.00E+00	1.82E-04	9.54E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.52E-05	0.00E+00

1918	441936.3	3768397	1.61E-04	6.72E-04	0.00E+00	1.82E-04	9.76E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.67E-05	0.00E+00
1919	441957.9	3768448	1.61E-04	7.85E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.79E-05	0.00E+00
1920	441504.3	3768002	1.61E-04	5.99E-04	0.00E+00	1.82E-04	8.70E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.94E-05	0.00E+00
1921	441512.9	3768005	1.61E-04	5.94E-04	0.00E+00	1.82E-04	8.63E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.90E-05	0.00E+00
1922	441521.5	3768009	1.61E-04	5.90E-04	0.00E+00	1.82E-04	8.58E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.86E-05	0.00E+00
1923	441530.1	3768012	1.61E-04	5.86E-04	0.00E+00	1.82E-04	8.51E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.81E-05	0.00E+00
1924	441538.7	3768016	1.61E-04	5.81E-04	0.00E+00	1.82E-04	8.44E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.76E-05	0.00E+00
1925	441547.3	3768020	1.61E-04	5.78E-04	0.00E+00	1.82E-04	8.40E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.74E-05	0.00E+00
1926	441555.9	3768023	1.61E-04	5.76E-04	0.00E+00	1.82E-04	8.37E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.72E-05	0.00E+00
1927	441564.6	3768027	1.61E-04	5.74E-04	0.00E+00	1.82E-04	8.35E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.70E-05	0.00E+00
1928	441599	3768041	1.61E-04	5.64E-04	0.00E+00	1.82E-04	8.20E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.60E-05	0.00E+00
1929	441607.6	3768045	1.61E-04	5.62E-04	0.00E+00	1.82E-04	8.17E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.58E-05	0.00E+00
1930	441702.4	3768084	1.61E-04	5.34E-04	0.00E+00	1.82E-04	7.76E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
1931	441711	3768087	1.61E-04	5.29E-04	0.00E+00	1.82E-04	7.70E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.26E-05	0.00E+00
1932	441719.6	3768091	1.61E-04	5.25E-04	0.00E+00	1.82E-04	7.62E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.21E-05	0.00E+00
1933	441728.2	3768094	1.61E-04	5.19E-04	0.00E+00	1.82E-04	7.55E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.15E-05	0.00E+00
1934	441736.8	3768098	1.61E-04	5.14E-04	0.00E+00	1.82E-04	7.47E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.10E-05	0.00E+00
1935	441745.4	3768102	1.61E-04	5.08E-04	0.00E+00	1.82E-04	7.39E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.05E-05	0.00E+00
1936	441754	3768105	1.61E-04	5.03E-04	0.00E+00	1.82E-04	7.32E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.00E-05	0.00E+00
1937	441762.6	3768109	1.61E-04	4.99E-04	0.00E+00	1.82E-04	7.25E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.95E-05	0.00E+00
1938	441771.3	3768112	1.61E-04	4.94E-04	0.00E+00	1.82E-04	7.18E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.90E-05	0.00E+00
1939	441779.9	3768116	1.61E-04	4.89E-04	0.00E+00	1.82E-04	7.11E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.85E-05	0.00E+00
1940	441788.5	3768119	1.61E-04	4.83E-04	0.00E+00	1.82E-04	7.03E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.80E-05	0.00E+00
1941	441797.1	3768123	1.61E-04	4.78E-04	0.00E+00	1.82E-04	6.95E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.74E-05	0.00E+00
1942	441805.7	3768127	1.61E-04	4.73E-04	0.00E+00	1.82E-04	6.87E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.69E-05	0.00E+00
1943	441814.3	3768130	1.61E-04	4.67E-04	0.00E+00	1.82E-04	6.79E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.64E-05	0.00E+00
1944	441822.9	3768134	1.61E-04	4.61E-04	0.00E+00	1.82E-04	6.71E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.58E-05	0.00E+00
1945	441831.5	3768137	1.61E-04	4.55E-04	0.00E+00	1.82E-04	6.62E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.52E-05	0.00E+00
1946	441840.2	3768141	1.61E-04	4.50E-04	0.00E+00	1.82E-04	6.54E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.47E-05	0.00E+00
1947	441848.8	3768144	1.61E-04	4.44E-04	0.00E+00	1.82E-04	6.46E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.41E-05	0.00E+00
1948	441857.4	3768148	1.61E-04	4.39E-04	0.00E+00	1.82E-04	6.38E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.36E-05	0.00E+00
1949	441866	3768152	1.61E-04	4.33E-04	0.00E+00	1.82E-04	6.30E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.30E-05	0.00E+00
1950	441878.2	3768164	1.61E-04	4.31E-04	0.00E+00	1.82E-04	6.27E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.28E-05	0.00E+00
1951	441881.8	3768172	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.31E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
1952	441885.5	3768181	1.61E-04	4.37E-04	0.00E+00	1.82E-04	6.35E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.34E-05	0.00E+00
1953	441889.1	3768190	1.61E-04	4.40E-04	0.00E+00	1.82E-04	6.40E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.37E-05	0.00E+00
1954	441892.7	3768198	1.61E-04	4.44E-04	0.00E+00	1.82E-04	6.45E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.41E-05	0.00E+00
1955	441896.3	3768207	1.61E-04	4.47E-04	0.00E+00	1.82E-04	6.50E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.44E-05	0.00E+00
1956	441899.9	3768215	1.61E-04	4.51E-04	0.00E+00	1.82E-04	6.55E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.48E-05	0.00E+00
1957	441903.6	3768224	1.61E-04	4.56E-04	0.00E+00	1.82E-04	6.62E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.52E-05	0.00E+00
1958	441907.2	3768232	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.69E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.57E-05	0.00E+00
1959	441910.8	3768241	1.61E-04	4.65E-04	0.00E+00	1.82E-04	6.77E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.62E-05	0.00E+00
1960	441914.4	3768250	1.61E-04	4.70E-04	0.00E+00	1.82E-04	6.84E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.67E-05	0.00E+00
1961	441918	3768258	1.61E-04	4.76E-04	0.00E+00	1.82E-04	6.92E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.73E-05	0.00E+00
1962	441921.7	3768267	1.61E-04	4.82E-04	0.00E+00	1.82E-04	7.01E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.79E-05	0.00E+00
1963	441925.3	3768275	1.61E-04	4.89E-04	0.00E+00	1.82E-04	7.10E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.85E-05	0.00E+00
1964	441928.9	3768284	1.61E-04	4.96E-04	0.00E+00	1.82E-04	7.21E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.92E-05	0.00E+00
1965	441932.5	3768293	1.61E-04	5.03E-04	0.00E+00	1.82E-04	7.31E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	4.99E-05	0.00E+00
1966	441936.2	3768301	1.61E-04	5.11E-04	0.00E+00	1.82E-04	7.43E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.07E-05	0.00E+00
1967	441939.8	3768310	1.61E-04	5.20E-04	0.00E+00	1.82E-04	7.55E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.16E-05	0.00E+00
1968	441943.4	3768318	1.61E-04	5.29E-04	0.00E+00	1.82E-04	7.69E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.25E-05	0.00E+00
1969	441947	3768327	1.61E-04	5.38E-04	0.00E+00	1.82E-04	7.82E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.34E-05	0.00E+00
1970	441950.6	3768336	1.61E-04	5.47E-04	0.00E+00	1.82E-04	7.95E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.43E-05	0.00E+00
1971	441954.3	3768344	1.61E-04	5.56E-04	0.00E+00	1.82E-04	8.09E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.52E-05	0.00E+00
1972	441957.9	3768353	1.61E-04	5.67E-04	0.00E+00	1.82E-04	8.24E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.62E-05	0.00E+00
1973	441961.5	3768361	1.61E-04	5.77E-04	0.00E+00	1.82E-04	8.39E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.73E-05	0.00E+00
1974	441965.1	3768370	1.61E-04	5.89E-04	0.00E+00	1.82E-04	8.56E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.85E-05	0.00E+00
1975	441997.7	3768447	1.61E-04	7.35E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.30E-05	0.00E+00
1976	441495.6	3767998	1.61E-04	6.04E-04	0.00E+00	1.82E-04	8.78E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.00E-05	0.00E+00
1977	441486.3	3767998	1.61E-04	6.15E-04	0.00E+00	1.82E-04	8.94E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.11E-05	0.00E+00
1978	441476.9	3767998	1.61E-04	6.27E-04	0.00E+00	1.82E-04	9.12E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.23E-05	0.00E+00
1979	441467.5	3767998	1.61E-04	6.41E-04	0.00E+00	1.82E-04	9.32E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.36E-05	0.00E+00
1980	441458.1	3767998	1.61E-04	6.55E-04	0.00E+00	1.82E-04	9.52E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.50E-05	0.00E+00
1981	441448.7	3767998	1.61E-04	6.68E-04	0.00E+00	1.82E-04	9.71E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.63E-05	0.00E+00
1982	441439.3	3767998	1.61E-04	6.79E-04	0.00E+00	1.82E-04	9.87E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.74E-05	0.00E+00
1983	441429.9	3767998	1.61E-04	6.90E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.85E-05	0.00E+00
1984	441420.5	3767998	1.61E-04	7.01E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.96E-05	0.00E+00
1985	441411.1	3767998	1.61E-04	7.09E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.04E-05	0.00E+00
1986	441504.4	3767962	1.61E-04	5.53E-04	0.00E+00	1.82E-04	8.04E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.49E-05	0.00E+00
1987	441513.1	3767965	1.61E-04	5.49E-04	0.00E+00	1.82E-04	7.98E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.45E-05	0.00E+00
1988	441521.8	3767969	1.61E-04	5.45E-04	0.00E+00	1.82E-04	7.92E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.41E-05	0.00E+00
1989	441530.4	3767972	1.61E-04	5.41E-04	0.00E+00	1.82E-04	7.86E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.37E-05	0.00E+00
1990	441539.1	3767976	1.61E-04	5.37E-04	0.00E+00	1.82E-04	7.81E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.33E-05	0.00E+00
1991	441547.7	3767980	1.61E-04	5.35E-04	0.00E+00	1.82E-04	7.77E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.31E-05	0.00E+00
1992	441556.4	3767983	1.61E-04	5.32E-04	0.00E+00	1.82E-04	7.74E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.29E-05	0.00E+00
1993	441565.1	3767987	1.61E-04	5.31E-04	0.00E+00	1.82E-04	7.71E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.27E-05	0.00E+00
1994	441599.7	3768001	1.61E-04	5.24E-04	0.00E+00	1.82E-04	7.62E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.20E-05	0.00E+00
1995	441608.4	3768005	1.61E-04	5.22E-04	0.00E+00	1.82E-04	7.58E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.18E-05	0.00E+00
1996	441617	3768008	1.61E-04	5.19E-04	0.00E+00	1.82E-04	7.55E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.16E-05	0.00E+00
1997	441625.7	3768012	1.61E-04	5.17E-04	0.00E+00	1.82E-04	7.51E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.13E-05	0.00E+00
1998	441634.3	3768016	1.61E-04	5.15E-04	0.00E+00	1.82E-04	7.48E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.11E-05	0.00E+00
1999	441643	3768019	1.61E-04	5.13E-04	0.00E+00	1.82E-04	7.46E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.09E-05	0.00E+00
2000	441651.7	3768023	1.61E-04	5.11E-04	0.00E+00	1.82E-04	7.43E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.07E-05	0.00E+00
2001	441660.3	3768026	1.61E-04	5.09E-04	0.00E+00	1.82E-04	7.40E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.05E-05	0.00E+00
2002	441669	3768030	1.61E-04	5.07E-04	0.00E+00	1.82E-04	7.37E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.03E-05	0.00E+00
2003	441677.6	3768033	1.61E-04	5.05E-04	0.00E+00	1.82E-04	7.33E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.01E-05	0.00E+00
2004	441686.3	3768037	1.61E-04	5.02E-04	0.00E+00	1.82E-04	7.30E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.98E-05	0.00E+00
2005	441695	3768041	1.61E-04	4.99E-04	0.00E+00	1.82E-04	7.26E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.96E-05	0.00E+00
2006	441703.6	3768044	1.61E-04	4.96E-04	0.00E+00	1.82E-04	7.21E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.93E-05	0.00E+00
2007	441712.3	3768048	1.61E-04	4.93E-04	0.00E+00	1.82E-04	7.16E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.89E-05	0.00E+00
2008	441720.9	3768051	1.61E-04	4.89E-04	0.00E+00	1.82E-04	7.11E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.85E-05	0.00E+00
2009	441807.5	3768087	1.61E-04	4.45E-04	0.00E+00	1.82E-04	6.46E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.41E-05	0.00E+00
2010	441816.2	3768091	1.61E-04	4.40E-04	0.00E+00	1.82E-04	6.40E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.37E-05	0.00E+00
2011	441824.9	3768094	1.61E-04	4.35E-04	0.00E+00	1.82E-04	6.33E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.32E-05	0.00E+00
2012	441833.5	3768098	1.61E-04	4.30E-04	0.00E+00	1.82E-04	6.25E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.27E-05	0.00E+00
2013	441842.2	3768102	1.61E-04	4.25E-04	0.00E+00	1.82E-04	6.18E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.22E-05	0.00E+00

2014	441850.8	3768105	1.61E-04	4.20E-04	0.00E+00	1.82E-04	6.10E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
2015	441859.5	3768109	1.61E-04	4.14E-04	0.00E+00	1.82E-04	6.02E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.11E-05	0.00E+00
2016	441868.2	3768112	1.61E-04	4.10E-04	0.00E+00	1.82E-04	5.95E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.07E-05	0.00E+00
2017	441876.8	3768116	1.61E-04	4.05E-04	0.00E+00	1.82E-04	5.88E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.02E-05	0.00E+00
2018	441885.5	3768120	1.61E-04	3.99E-04	0.00E+00	1.82E-04	5.81E-04	0.00E+00	3.05E-05	9.90E-05	0.00E+00	1.33E-05	3.97E-05	0.00E+00
2019	441894.1	3768123	1.61E-04	3.95E-04	0.00E+00	1.82E-04	5.74E-04	0.00E+00	3.05E-05	9.78E-05	0.00E+00	1.33E-05	3.92E-05	0.00E+00
2020	441906.4	3768135	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.71E-04	0.00E+00	3.05E-05	9.73E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
2021	441910.1	3768144	1.61E-04	3.95E-04	0.00E+00	1.82E-04	5.74E-04	0.00E+00	3.05E-05	9.79E-05	0.00E+00	1.33E-05	3.92E-05	0.00E+00
2022	441913.7	3768153	1.61E-04	3.98E-04	0.00E+00	1.82E-04	5.78E-04	0.00E+00	3.05E-05	9.85E-05	0.00E+00	1.33E-05	3.95E-05	0.00E+00
2023	441917.4	3768161	1.61E-04	4.00E-04	0.00E+00	1.82E-04	5.82E-04	0.00E+00	3.05E-05	9.92E-05	0.00E+00	1.33E-05	3.97E-05	0.00E+00
2024	441921	3768170	1.61E-04	4.03E-04	0.00E+00	1.82E-04	5.86E-04	0.00E+00	3.05E-05	9.99E-05	0.00E+00	1.33E-05	4.00E-05	0.00E+00
2025	441924.6	3768179	1.61E-04	4.06E-04	0.00E+00	1.82E-04	5.90E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.03E-05	0.00E+00
2026	441928.3	3768187	1.61E-04	4.09E-04	0.00E+00	1.82E-04	5.94E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.06E-05	0.00E+00
2027	441931.9	3768196	1.61E-04	4.12E-04	0.00E+00	1.82E-04	5.99E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.09E-05	0.00E+00
2028	441935.6	3768205	1.61E-04	4.15E-04	0.00E+00	1.82E-04	6.04E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.12E-05	0.00E+00
2029	441939.2	3768213	1.61E-04	4.19E-04	0.00E+00	1.82E-04	6.09E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
2030	441942.8	3768222	1.61E-04	4.23E-04	0.00E+00	1.82E-04	6.15E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.20E-05	0.00E+00
2031	441946.5	3768230	1.61E-04	4.28E-04	0.00E+00	1.82E-04	6.22E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.24E-05	0.00E+00
2032	441950.1	3768239	1.61E-04	4.32E-04	0.00E+00	1.82E-04	6.28E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.29E-05	0.00E+00
2033	441953.8	3768248	1.61E-04	4.37E-04	0.00E+00	1.82E-04	6.35E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.34E-05	0.00E+00
2034	441957.4	3768256	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.43E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
2035	441961	3768265	1.61E-04	4.48E-04	0.00E+00	1.82E-04	6.51E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.44E-05	0.00E+00
2036	441964.7	3768274	1.61E-04	4.54E-04	0.00E+00	1.82E-04	6.59E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.50E-05	0.00E+00
2037	442001.1	3768360	1.61E-04	5.38E-04	0.00E+00	1.82E-04	7.83E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.34E-05	0.00E+00
2038	442004.7	3768369	1.61E-04	5.50E-04	0.00E+00	1.82E-04	8.00E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.46E-05	0.00E+00
2039	442008.4	3768377	1.61E-04	5.63E-04	0.00E+00	1.82E-04	8.18E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.58E-05	0.00E+00
2040	442012	3768386	1.61E-04	5.76E-04	0.00E+00	1.82E-04	8.37E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.71E-05	0.00E+00
2041	442015.7	3768395	1.61E-04	5.89E-04	0.00E+00	1.82E-04	8.56E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.85E-05	0.00E+00
2042	441495.8	3767958	1.61E-04	5.58E-04	0.00E+00	1.82E-04	8.11E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.54E-05	0.00E+00
2043	441486.4	3767958	1.61E-04	5.67E-04	0.00E+00	1.82E-04	8.24E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.63E-05	0.00E+00
2044	441477	3767958	1.61E-04	5.76E-04	0.00E+00	1.82E-04	8.37E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.72E-05	0.00E+00
2045	441467.6	3767958	1.61E-04	5.85E-04	0.00E+00	1.82E-04	8.51E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.81E-05	0.00E+00
2046	441458.2	3767958	1.61E-04	5.94E-04	0.00E+00	1.82E-04	8.64E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.90E-05	0.00E+00
2047	441448.8	3767958	1.61E-04	6.04E-04	0.00E+00	1.82E-04	8.77E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	5.99E-05	0.00E+00
2048	441439.4	3767958	1.61E-04	6.13E-04	0.00E+00	1.82E-04	8.91E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.08E-05	0.00E+00
2049	441430	3767958	1.61E-04	6.22E-04	0.00E+00	1.82E-04	9.04E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.17E-05	0.00E+00
2050	441420.6	3767958	1.61E-04	6.31E-04	0.00E+00	1.82E-04	9.18E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.27E-05	0.00E+00
2051	441411.2	3767958	1.61E-04	6.39E-04	0.00E+00	1.82E-04	9.29E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.34E-05	0.00E+00
2052	441504.4	3767922	1.61E-04	5.11E-04	0.00E+00	1.82E-04	7.43E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.07E-05	0.00E+00
2053	441513	3767925	1.61E-04	5.08E-04	0.00E+00	1.82E-04	7.38E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.04E-05	0.00E+00
2054	441521.5	3767929	1.61E-04	5.04E-04	0.00E+00	1.82E-04	7.32E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.00E-05	0.00E+00
2055	441530	3767932	1.61E-04	5.00E-04	0.00E+00	1.82E-04	7.27E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.96E-05	0.00E+00
2056	441538.6	3767936	1.61E-04	4.96E-04	0.00E+00	1.82E-04	7.21E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.92E-05	0.00E+00
2057	441547.1	3767939	1.61E-04	4.93E-04	0.00E+00	1.82E-04	7.16E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.89E-05	0.00E+00
2058	441555.6	3767943	1.61E-04	4.90E-04	0.00E+00	1.82E-04	7.12E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.86E-05	0.00E+00
2059	441564.2	3767946	1.61E-04	4.87E-04	0.00E+00	1.82E-04	7.08E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.83E-05	0.00E+00
2060	441598.3	3767961	1.61E-04	4.81E-04	0.00E+00	1.82E-04	6.99E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.78E-05	0.00E+00
2061	441606.8	3767964	1.61E-04	4.80E-04	0.00E+00	1.82E-04	6.98E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.76E-05	0.00E+00
2062	441615.3	3767968	1.61E-04	4.79E-04	0.00E+00	1.82E-04	6.96E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.75E-05	0.00E+00
2063	441623.9	3767971	1.61E-04	4.77E-04	0.00E+00	1.82E-04	6.94E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.74E-05	0.00E+00
2064	441632.4	3767975	1.61E-04	4.76E-04	0.00E+00	1.82E-04	6.92E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.72E-05	0.00E+00
2065	441640.9	3767978	1.61E-04	4.75E-04	0.00E+00	1.82E-04	6.90E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.71E-05	0.00E+00
2066	441649.5	3767982	1.61E-04	4.73E-04	0.00E+00	1.82E-04	6.88E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.70E-05	0.00E+00
2067	441658	3767985	1.61E-04	4.72E-04	0.00E+00	1.82E-04	6.87E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.69E-05	0.00E+00
2068	441666.5	3767989	1.61E-04	4.71E-04	0.00E+00	1.82E-04	6.84E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.67E-05	0.00E+00
2069	441675.1	3767992	1.61E-04	4.69E-04	0.00E+00	1.82E-04	6.82E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.66E-05	0.00E+00
2070	441683.6	3767996	1.61E-04	4.68E-04	0.00E+00	1.82E-04	6.80E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.64E-05	0.00E+00
2071	441692.1	3767999	1.61E-04	4.65E-04	0.00E+00	1.82E-04	6.77E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.62E-05	0.00E+00
2072	441700.7	3768003	1.61E-04	4.63E-04	0.00E+00	1.82E-04	6.72E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.59E-05	0.00E+00
2073	441709.2	3768007	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.68E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.56E-05	0.00E+00
2074	441717.7	3768010	1.61E-04	4.57E-04	0.00E+00	1.82E-04	6.65E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.54E-05	0.00E+00
2075	441726.2	3768014	1.61E-04	4.54E-04	0.00E+00	1.82E-04	6.60E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.51E-05	0.00E+00
2076	441734.8	3768017	1.61E-04	4.50E-04	0.00E+00	1.82E-04	6.55E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.47E-05	0.00E+00
2077	441743.3	3768021	1.61E-04	4.47E-04	0.00E+00	1.82E-04	6.49E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.44E-05	0.00E+00
2078	441751.8	3768024	1.61E-04	4.43E-04	0.00E+00	1.82E-04	6.44E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.40E-05	0.00E+00
2079	441760.4	3768028	1.61E-04	4.38E-04	0.00E+00	1.82E-04	6.37E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.35E-05	0.00E+00
2080	441768.9	3768031	1.61E-04	4.33E-04	0.00E+00	1.82E-04	6.29E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.30E-05	0.00E+00
2081	441777.4	3768035	1.61E-04	4.28E-04	0.00E+00	1.82E-04	6.21E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.24E-05	0.00E+00
2082	441786	3768038	1.61E-04	4.23E-04	0.00E+00	1.82E-04	6.15E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.20E-05	0.00E+00
2083	441794.5	3768042	1.61E-04	4.19E-04	0.00E+00	1.82E-04	6.09E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
2084	441803	3768045	1.61E-04	4.14E-04	0.00E+00	1.82E-04	6.02E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.11E-05	0.00E+00
2085	441811.6	3768049	1.61E-04	4.11E-04	0.00E+00	1.82E-04	5.97E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.08E-05	0.00E+00
2086	441820.1	3768052	1.61E-04	4.07E-04	0.00E+00	1.82E-04	5.92E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.04E-05	0.00E+00
2087	441828.6	3768056	1.61E-04	4.04E-04	0.00E+00	1.82E-04	5.87E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.01E-05	0.00E+00
2088	441837.2	3768060	1.61E-04	4.01E-04	0.00E+00	1.82E-04	5.83E-04	0.00E+00	3.05E-05	9.93E-05	0.00E+00	1.33E-05	3.98E-05	0.00E+00
2089	441845.7	3768063	1.61E-04	3.97E-04	0.00E+00	1.82E-04	5.77E-04	0.00E+00	3.05E-05	9.84E-05	0.00E+00	1.33E-05	3.94E-05	0.00E+00
2090	441922.5	3768095	1.61E-04	3.62E-04	0.00E+00	1.82E-04	5.27E-04	0.00E+00	3.05E-05	8.98E-05	0.00E+00	1.33E-05	3.60E-05	0.00E+00
2091	441934.6	3768107	1.61E-04	3.60E-04	0.00E+00	1.82E-04	5.24E-04	0.00E+00	3.05E-05	8.93E-05	0.00E+00	1.33E-05	3.58E-05	0.00E+00
2092	441938.2	3768115	1.61E-04	3.62E-04	0.00E+00	1.82E-04	5.26E-04	0.00E+00	3.05E-05	8.96E-05	0.00E+00	1.33E-05	3.59E-05	0.00E+00
2093	441941.8	3768124	1.61E-04	3.64E-04	0.00E+00	1.82E-04	5.28E-04	0.00E+00	3.05E-05	9.01E-05	0.00E+00	1.33E-05	3.61E-05	0.00E+00
2094	441945.3	3768132	1.61E-04	3.66E-04	0.00E+00	1.82E-04	5.32E-04	0.00E+00	3.05E-05	9.06E-05	0.00E+00	1.33E-05	3.63E-05	0.00E+00
2095	441948.9	3768141	1.61E-04	3.68E-04	0.00E+00	1.82E-04	5.35E-04	0.00E+00	3.05E-05	9.12E-05	0.00E+00	1.33E-05	3.65E-05	0.00E+00
2096	441952.5	3768149	1.61E-04	3.70E-04	0.00E+00	1.82E-04	5.38E-04	0.00E+00	3.05E-05	9.18E-05	0.00E+00	1.33E-05	3.68E-05	0.00E+00
2097	441956.1	3768158	1.61E-04	3.73E-04	0.00E+00	1.82E-04	5.42E-04	0.00E+00	3.05E-05	9.24E-05	0.00E+00	1.33E-05	3.70E-05	0.00E+00
2098	441959.7	3768166	1.61E-04	3.76E-04	0.00E+00	1.82E-04	5.46E-04	0.00E+00	3.05E-05	9.31E-05	0.00E+00	1.33E-05	3.73E-05	0.00E+00
2099	441963.3	3768175	1.61E-04	3.78E-04	0.00E+00	1.82E-04	5.50E-04	0.00E+00	3.05E-05	9.37E-05	0.00E+00	1.33E-05	3.76E-05	0.00E+00
2100	441999.1	3768260	1.61E-04	4.14E-04	0.00E+00	1.82E-04	6.01E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.11E-05	0.00E+00
2101	442002.7	3768269	1.61E-04	4.19E-04	0.00E+00	1.82E-04	6.09E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
2102	442006.3	3768277	1.61E-04	4.26E-04	0.00E+00	1.82E-04	6.19E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.23E-05	0.00E+00
2103	442009.9	3768286	1.61E-04	4.33E-04	0.00E+00	1.82E-04	6.29E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.30E-05	0.00E+00
2104	442013.5	3768294	1.61E-04	4.40E-04	0.00E+00	1.82E-04	6.40E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.37E-05	0.00E+00
2105	442017.1	3768303	1.61E-04	4.48E-04	0.00E+00	1.82E-04	6.51E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.45E-05	0.00E+00
2106	442020.7	3768311	1.61E-04	4.56E-04	0.00E+00	1.82E-04	6.63E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.53E-05	0.00E+00
2107	442024.2	3768320	1.61E-04	4.65E-04	0.00E+00	1.82E-04	6.76E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.62E-05	0.00E+00
2108	442027.8	3768328	1.61E-04	4.75E-04	0.00E+00	1.82E-04	6.90E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.71E-05	0.00E+00
2109	442031.4	3768337	1.61E-04	4.83E-04	0.00E+00	1.82E-04	7.02E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.79E-05	0.00E+00

2110	442035	3768345	1.61E-04	4.91E-04	0.00E+00	1.82E-04	7.14E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.88E-05	0.00E+00
2111	442038.6	3768354	1.61E-04	5.00E-04	0.00E+00	1.82E-04	7.26E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.96E-05	0.00E+00
2112	442042.2	3768362	1.61E-04	5.09E-04	0.00E+00	1.82E-04	7.39E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.05E-05	0.00E+00
2113	442045.8	3768371	1.61E-04	5.19E-04	0.00E+00	1.82E-04	7.55E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.16E-05	0.00E+00
2114	442049.3	3768379	1.61E-04	5.31E-04	0.00E+00	1.82E-04	7.71E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.27E-05	0.00E+00
2115	442052.9	3768388	1.61E-04	5.43E-04	0.00E+00	1.82E-04	7.89E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.39E-05	0.00E+00
2116	442056.5	3768396	1.61E-04	5.55E-04	0.00E+00	1.82E-04	8.07E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.51E-05	0.00E+00
2117	442074.4	3768439	1.61E-04	6.28E-04	0.00E+00	1.82E-04	9.13E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.23E-05	0.00E+00
2118	442078	3768447	1.61E-04	6.44E-04	0.00E+00	1.82E-04	9.36E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.39E-05	0.00E+00
2119	442081.6	3768456	1.61E-04	6.60E-04	0.00E+00	1.82E-04	9.60E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.56E-05	0.00E+00
2120	442085.2	3768464	1.61E-04	6.78E-04	0.00E+00	1.82E-04	9.86E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.74E-05	0.00E+00
2121	442088.8	3768473	1.61E-04	6.97E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.92E-05	0.00E+00
2122	442092.4	3768481	1.61E-04	7.16E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.11E-05	0.00E+00
2123	441495.9	3767918	1.61E-04	5.14E-04	0.00E+00	1.82E-04	7.47E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.10E-05	0.00E+00
2124	441486.5	3767918	1.61E-04	5.22E-04	0.00E+00	1.82E-04	7.58E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.18E-05	0.00E+00
2125	441477.1	3767918	1.61E-04	5.29E-04	0.00E+00	1.82E-04	7.69E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.25E-05	0.00E+00
2126	441467.7	3767918	1.61E-04	5.35E-04	0.00E+00	1.82E-04	7.77E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.31E-05	0.00E+00
2127	441458.3	3767918	1.61E-04	5.41E-04	0.00E+00	1.82E-04	7.86E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.37E-05	0.00E+00
2128	441448.9	3767918	1.61E-04	5.47E-04	0.00E+00	1.82E-04	7.96E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.43E-05	0.00E+00
2129	441439.6	3767918	1.61E-04	5.55E-04	0.00E+00	1.82E-04	8.07E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.51E-05	0.00E+00
2130	441430.2	3767918	1.61E-04	5.63E-04	0.00E+00	1.82E-04	8.19E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.59E-05	0.00E+00
2131	441420.8	3767918	1.61E-04	5.72E-04	0.00E+00	1.82E-04	8.31E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.67E-05	0.00E+00
2132	441411.4	3767918	1.61E-04	5.79E-04	0.00E+00	1.82E-04	8.41E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.75E-05	0.00E+00
2133	441504.6	3767882	1.61E-04	4.74E-04	0.00E+00	1.82E-04	6.89E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.71E-05	0.00E+00
2134	441513.2	3767885	1.61E-04	4.72E-04	0.00E+00	1.82E-04	6.86E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.68E-05	0.00E+00
2135	441521.8	3767889	1.61E-04	4.68E-04	0.00E+00	1.82E-04	6.81E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.65E-05	0.00E+00
2136	441530.3	3767892	1.61E-04	4.65E-04	0.00E+00	1.82E-04	6.76E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.62E-05	0.00E+00
2137	441538.9	3767896	1.61E-04	4.61E-04	0.00E+00	1.82E-04	6.71E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.58E-05	0.00E+00
2138	441547.5	3767899	1.61E-04	4.59E-04	0.00E+00	1.82E-04	6.67E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.56E-05	0.00E+00
2139	441556.1	3767903	1.61E-04	4.56E-04	0.00E+00	1.82E-04	6.63E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.53E-05	0.00E+00
2140	441564.7	3767907	1.61E-04	4.54E-04	0.00E+00	1.82E-04	6.59E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.50E-05	0.00E+00
2141	441599	3767921	1.61E-04	4.48E-04	0.00E+00	1.82E-04	6.51E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.45E-05	0.00E+00
2142	441607.5	3767924	1.61E-04	4.46E-04	0.00E+00	1.82E-04	6.48E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.43E-05	0.00E+00
2143	441616.1	3767928	1.61E-04	4.44E-04	0.00E+00	1.82E-04	6.45E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.41E-05	0.00E+00
2144	441624.7	3767931	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.42E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
2145	441633.3	3767935	1.61E-04	4.40E-04	0.00E+00	1.82E-04	6.40E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.37E-05	0.00E+00
2146	441641.8	3767939	1.61E-04	4.39E-04	0.00E+00	1.82E-04	6.38E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.36E-05	0.00E+00
2147	441650.4	3767942	1.61E-04	4.38E-04	0.00E+00	1.82E-04	6.36E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.35E-05	0.00E+00
2148	441659	3767946	1.61E-04	4.37E-04	0.00E+00	1.82E-04	6.35E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.34E-05	0.00E+00
2149	441667.6	3767949	1.61E-04	4.35E-04	0.00E+00	1.82E-04	6.32E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.32E-05	0.00E+00
2150	441676.2	3767953	1.61E-04	4.33E-04	0.00E+00	1.82E-04	6.29E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.30E-05	0.00E+00
2151	441684.7	3767956	1.61E-04	4.31E-04	0.00E+00	1.82E-04	6.26E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.28E-05	0.00E+00
2152	441693.3	3767960	1.61E-04	4.28E-04	0.00E+00	1.82E-04	6.23E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.25E-05	0.00E+00
2153	441701.9	3767963	1.61E-04	4.25E-04	0.00E+00	1.82E-04	6.18E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.22E-05	0.00E+00
2154	441710.5	3767967	1.61E-04	4.22E-04	0.00E+00	1.82E-04	6.14E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.19E-05	0.00E+00
2155	441719	3767971	1.61E-04	4.19E-04	0.00E+00	1.82E-04	6.10E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
2156	441727.6	3767974	1.61E-04	4.17E-04	0.00E+00	1.82E-04	6.06E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.14E-05	0.00E+00
2157	441736.2	3767978	1.61E-04	4.14E-04	0.00E+00	1.82E-04	6.02E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.11E-05	0.00E+00
2158	441744.8	3767981	1.61E-04	4.11E-04	0.00E+00	1.82E-04	5.98E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.08E-05	0.00E+00
2159	441753.3	3767985	1.61E-04	4.08E-04	0.00E+00	1.82E-04	5.93E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.05E-05	0.00E+00
2160	441761.9	3767988	1.61E-04	4.05E-04	0.00E+00	1.82E-04	5.89E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.02E-05	0.00E+00
2161	441770.5	3767992	1.61E-04	4.01E-04	0.00E+00	1.82E-04	5.83E-04	0.00E+00	3.05E-05	9.95E-05	0.00E+00	1.33E-05	3.98E-05	0.00E+00
2162	441779.1	3767995	1.61E-04	3.98E-04	0.00E+00	1.82E-04	5.78E-04	0.00E+00	3.05E-05	9.85E-05	0.00E+00	1.33E-05	3.95E-05	0.00E+00
2163	441787.7	3767999	1.61E-04	3.94E-04	0.00E+00	1.82E-04	5.72E-04	0.00E+00	3.05E-05	9.76E-05	0.00E+00	1.33E-05	3.91E-05	0.00E+00
2164	441796.2	3768003	1.61E-04	3.89E-04	0.00E+00	1.82E-04	5.66E-04	0.00E+00	3.05E-05	9.65E-05	0.00E+00	1.33E-05	3.87E-05	0.00E+00
2165	441804.8	3768006	1.61E-04	3.85E-04	0.00E+00	1.82E-04	5.60E-04	0.00E+00	3.05E-05	9.55E-05	0.00E+00	1.33E-05	3.82E-05	0.00E+00
2166	441813.4	3768010	1.61E-04	3.81E-04	0.00E+00	1.82E-04	5.54E-04	0.00E+00	3.05E-05	9.44E-05	0.00E+00	1.33E-05	3.78E-05	0.00E+00
2167	441822	3768013	1.61E-04	3.77E-04	0.00E+00	1.82E-04	5.48E-04	0.00E+00	3.05E-05	9.35E-05	0.00E+00	1.33E-05	3.75E-05	0.00E+00
2168	441830.5	3768017	1.61E-04	3.74E-04	0.00E+00	1.82E-04	5.43E-04	0.00E+00	3.05E-05	9.26E-05	0.00E+00	1.33E-05	3.71E-05	0.00E+00
2169	441839.1	3768020	1.61E-04	3.70E-04	0.00E+00	1.82E-04	5.37E-04	0.00E+00	3.05E-05	9.16E-05	0.00E+00	1.33E-05	3.67E-05	0.00E+00
2170	441847.7	3768024	1.61E-04	3.66E-04	0.00E+00	1.82E-04	5.32E-04	0.00E+00	3.05E-05	9.06E-05	0.00E+00	1.33E-05	3.63E-05	0.00E+00
2171	441856.3	3768027	1.61E-04	3.62E-04	0.00E+00	1.82E-04	5.26E-04	0.00E+00	3.05E-05	8.97E-05	0.00E+00	1.33E-05	3.59E-05	0.00E+00
2172	441864.9	3768031	1.61E-04	3.59E-04	0.00E+00	1.82E-04	5.21E-04	0.00E+00	3.05E-05	8.89E-05	0.00E+00	1.33E-05	3.56E-05	0.00E+00
2173	441873.4	3768034	1.61E-04	3.55E-04	0.00E+00	1.82E-04	5.17E-04	0.00E+00	3.05E-05	8.81E-05	0.00E+00	1.33E-05	3.53E-05	0.00E+00
2174	441882	3768038	1.61E-04	3.52E-04	0.00E+00	1.82E-04	5.12E-04	0.00E+00	3.05E-05	8.73E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00
2175	441890.6	3768042	1.61E-04	3.49E-04	0.00E+00	1.82E-04	5.08E-04	0.00E+00	3.05E-05	8.66E-05	0.00E+00	1.33E-05	3.47E-05	0.00E+00
2176	441899.2	3768045	1.61E-04	3.46E-04	0.00E+00	1.82E-04	5.03E-04	0.00E+00	3.05E-05	8.58E-05	0.00E+00	1.33E-05	3.44E-05	0.00E+00
2177	441907.7	3768049	1.61E-04	3.45E-04	0.00E+00	1.82E-04	5.01E-04	0.00E+00	3.05E-05	8.55E-05	0.00E+00	1.33E-05	3.42E-05	0.00E+00
2178	441916.3	3768052	1.61E-04	3.44E-04	0.00E+00	1.82E-04	4.99E-04	0.00E+00	3.05E-05	8.51E-05	0.00E+00	1.33E-05	3.41E-05	0.00E+00
2179	441924.9	3768056	1.61E-04	3.42E-04	0.00E+00	1.82E-04	4.97E-04	0.00E+00	3.05E-05	8.47E-05	0.00E+00	1.33E-05	3.39E-05	0.00E+00
2180	441933.5	3768059	1.61E-04	3.40E-04	0.00E+00	1.82E-04	4.94E-04	0.00E+00	3.05E-05	8.42E-05	0.00E+00	1.33E-05	3.37E-05	0.00E+00
2181	441942	3768063	1.61E-04	3.36E-04	0.00E+00	1.82E-04	4.89E-04	0.00E+00	3.05E-05	8.33E-05	0.00E+00	1.33E-05	3.34E-05	0.00E+00
2182	441950.6	3768066	1.61E-04	3.33E-04	0.00E+00	1.82E-04	4.84E-04	0.00E+00	3.05E-05	8.24E-05	0.00E+00	1.33E-05	3.30E-05	0.00E+00
2183	441995.3	3768156	1.61E-04	3.49E-04	0.00E+00	1.82E-04	5.07E-04	0.00E+00	3.05E-05	8.65E-05	0.00E+00	1.33E-05	3.47E-05	0.00E+00
2184	441998.9	3768164	1.61E-04	3.51E-04	0.00E+00	1.82E-04	5.11E-04	0.00E+00	3.05E-05	8.71E-05	0.00E+00	1.33E-05	3.49E-05	0.00E+00
2185	442002.5	3768173	1.61E-04	3.54E-04	0.00E+00	1.82E-04	5.14E-04	0.00E+00	3.05E-05	8.77E-05	0.00E+00	1.33E-05	3.51E-05	0.00E+00
2186	442006.1	3768181	1.61E-04	3.56E-04	0.00E+00	1.82E-04	5.18E-04	0.00E+00	3.05E-05	8.83E-05	0.00E+00	1.33E-05	3.54E-05	0.00E+00
2187	442009.7	3768190	1.61E-04	3.58E-04	0.00E+00	1.82E-04	5.21E-04	0.00E+00	3.05E-05	8.88E-05	0.00E+00	1.33E-05	3.56E-05	0.00E+00
2188	442013.3	3768198	1.61E-04	3.61E-04	0.00E+00	1.82E-04	5.24E-04	0.00E+00	3.05E-05	8.94E-05	0.00E+00	1.33E-05	3.58E-05	0.00E+00
2189	442016.9	3768207	1.61E-04	3.63E-04	0.00E+00	1.82E-04	5.28E-04	0.00E+00	3.05E-05	9.00E-05	0.00E+00	1.33E-05	3.61E-05	0.00E+00
2190	442020.5	3768215	1.61E-04	3.67E-04	0.00E+00	1.82E-04	5.33E-04	0.00E+00	3.05E-05	9.08E-05	0.00E+00	1.33E-05	3.64E-05	0.00E+00
2191	442024.1	3768224	1.61E-04	3.70E-04	0.00E+00	1.82E-04	5.38E-04	0.00E+00	3.05E-05	9.18E-05	0.00E+00	1.33E-05	3.68E-05	0.00E+00
2192	442027.7	3768233	1.61E-04	3.75E-04	0.00E+00	1.82E-04	5.45E-04	0.00E+00	3.05E-05	9.28E-05	0.00E+00	1.33E-05	3.72E-05	0.00E+00
2193	442031.3	3768241	1.61E-04	3.79E-04	0.00E+00	1.82E-04	5.51E-04	0.00E+00	3.05E-05	9.40E-05	0.00E+00	1.33E-05	3.77E-05	0.00E+00
2194	442034.9	3768250	1.61E-04	3.85E-04	0.00E+00	1.82E-04	5.59E-04	0.00E+00	3.05E-05	9.54E-05	0.00E+00	1.33E-05	3.82E-05	0.00E+00
2195	442038.5	3768258	1.61E-04	3.91E-04	0.00E+00	1.82E-04	5.68E-04	0.00E+00	3.05E-05	9.69E-05	0.00E+00	1.33E-05	3.88E-05	0.00E+00
2196	442042.1	3768267	1.61E-04	3.97E-04	0.00E+00	1.82E-04	5.78E-04	0.00E+00	3.05E-05	9.85E-05	0.00E+00	1.33E-05	3.94E-05	0.00E+00
2197	442045.7	3768275	1.61E-04	4.04E-04	0.00E+00	1.82E-04	5.88E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.01E-05	0.00E+00
2198	442049.3	3768284	1.61E-04	4.11E-04	0.00E+00	1.82E-04	5.98E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.08E-05	0.00E+00
2199	442052.9	3768292	1.61E-04	4.19E-04	0.00E+00	1.82E-04	6.09E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
2200	442056.5	3768301	1.61E-04	4.26E-04	0.00E+00	1.82E-04	6.20E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.23E-05	0.00E+00
2201	442060.2	3768310	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.31E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
2202	442063.8	3768318	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.42E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.38E-05	0.00E+00
2203	442067.4	3768327	1.61E-04	4.50E-04	0.00E+00	1.82E-04	6.54E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.47E-05	0.00E+00
2204	442071	3768335	1.61E-04	4.58E-04	0.00E+00	1.82E-04	6.65E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.54E-05	0.00E+00
2205	442074.6	3768344	1.61E-04	4.66E-04	0.00E+00	1.82E-04	6.77E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.62E-05	0.00E+00

2206	442078.2	3768352	1.61E-04	4.74E-04	0.00E+00	1.82E-04	6.89E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.71E-05	0.00E+00
2207	442081.8	3768361	1.61E-04	4.83E-04	0.00E+00	1.82E-04	7.02E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.80E-05	0.00E+00
2208	442085.4	3768369	1.61E-04	4.92E-04	0.00E+00	1.82E-04	7.16E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.89E-05	0.00E+00
2209	442089	3768378	1.61E-04	5.02E-04	0.00E+00	1.82E-04	7.30E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.99E-05	0.00E+00
2210	442092.6	3768387	1.61E-04	5.13E-04	0.00E+00	1.82E-04	7.45E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.09E-05	0.00E+00
2211	442114.2	3768438	1.61E-04	5.86E-04	0.00E+00	1.82E-04	8.52E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.82E-05	0.00E+00
2212	442117.8	3768446	1.61E-04	6.00E-04	0.00E+00	1.82E-04	8.73E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.96E-05	0.00E+00
2213	442121.4	3768455	1.61E-04	6.15E-04	0.00E+00	1.82E-04	8.95E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.11E-05	0.00E+00
2214	442125.1	3768464	1.61E-04	6.32E-04	0.00E+00	1.82E-04	9.18E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.27E-05	0.00E+00
2215	442146.7	3768515	1.61E-04	7.43E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.38E-05	0.00E+00
2216	442150.3	3768523	1.61E-04	7.63E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.57E-05	0.00E+00
2217	441496	3767878	1.61E-04	4.76E-04	0.00E+00	1.82E-04	6.92E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.73E-05	0.00E+00
2218	441486.6	3767878	1.61E-04	4.82E-04	0.00E+00	1.82E-04	7.01E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.79E-05	0.00E+00
2219	441477.2	3767878	1.61E-04	4.88E-04	0.00E+00	1.82E-04	7.09E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.84E-05	0.00E+00
2220	441467.9	3767878	1.61E-04	4.94E-04	0.00E+00	1.82E-04	7.18E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.90E-05	0.00E+00
2221	441458.5	3767878	1.61E-04	5.00E-04	0.00E+00	1.82E-04	7.27E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.96E-05	0.00E+00
2222	441449.1	3767878	1.61E-04	5.06E-04	0.00E+00	1.82E-04	7.35E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.02E-05	0.00E+00
2223	441439.7	3767878	1.61E-04	5.12E-04	0.00E+00	1.82E-04	7.44E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.08E-05	0.00E+00
2224	441430.3	3767878	1.61E-04	5.18E-04	0.00E+00	1.82E-04	7.53E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.14E-05	0.00E+00
2225	441420.9	3767878	1.61E-04	5.24E-04	0.00E+00	1.82E-04	7.62E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.21E-05	0.00E+00
2226	441411.5	3767878	1.61E-04	5.29E-04	0.00E+00	1.82E-04	7.69E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.25E-05	0.00E+00
2227	441504.8	3767842	1.61E-04	4.40E-04	0.00E+00	1.82E-04	6.40E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.37E-05	0.00E+00
2228	441513.4	3767845	1.61E-04	4.39E-04	0.00E+00	1.82E-04	6.38E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.36E-05	0.00E+00
2229	441522	3767849	1.61E-04	4.37E-04	0.00E+00	1.82E-04	6.36E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.34E-05	0.00E+00
2230	441530.6	3767852	1.61E-04	4.36E-04	0.00E+00	1.82E-04	6.34E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.33E-05	0.00E+00
2231	441539.3	3767856	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.31E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
2232	441547.9	3767860	1.61E-04	4.32E-04	0.00E+00	1.82E-04	6.28E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.29E-05	0.00E+00
2233	441556.5	3767863	1.61E-04	4.30E-04	0.00E+00	1.82E-04	6.25E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.27E-05	0.00E+00
2234	441565.1	3767867	1.61E-04	4.28E-04	0.00E+00	1.82E-04	6.23E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.25E-05	0.00E+00
2235	441599.6	3767881	1.61E-04	4.20E-04	0.00E+00	1.82E-04	6.11E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.17E-05	0.00E+00
2236	441608.2	3767885	1.61E-04	4.19E-04	0.00E+00	1.82E-04	6.10E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
2237	441616.8	3767888	1.61E-04	4.18E-04	0.00E+00	1.82E-04	6.08E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.15E-05	0.00E+00
2238	441625.4	3767892	1.61E-04	4.17E-04	0.00E+00	1.82E-04	6.06E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.14E-05	0.00E+00
2239	441634.1	3767895	1.61E-04	4.15E-04	0.00E+00	1.82E-04	6.04E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.12E-05	0.00E+00
2240	441642.7	3767899	1.61E-04	4.13E-04	0.00E+00	1.82E-04	6.01E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.10E-05	0.00E+00
2241	441651.3	3767902	1.61E-04	4.11E-04	0.00E+00	1.82E-04	5.98E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.08E-05	0.00E+00
2242	441659.9	3767906	1.61E-04	4.10E-04	0.00E+00	1.82E-04	5.95E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.07E-05	0.00E+00
2243	441668.5	3767910	1.61E-04	4.06E-04	0.00E+00	1.82E-04	5.91E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.03E-05	0.00E+00
2244	441677.1	3767913	1.61E-04	4.03E-04	0.00E+00	1.82E-04	5.86E-04	0.00E+00	3.05E-05	9.99E-05	0.00E+00	1.33E-05	4.00E-05	0.00E+00
2245	441685.8	3767917	1.61E-04	4.00E-04	0.00E+00	1.82E-04	5.82E-04	0.00E+00	3.05E-05	9.92E-05	0.00E+00	1.33E-05	3.97E-05	0.00E+00
2246	441694.4	3767920	1.61E-04	3.97E-04	0.00E+00	1.82E-04	5.77E-04	0.00E+00	3.05E-05	9.84E-05	0.00E+00	1.33E-05	3.94E-05	0.00E+00
2247	441703	3767924	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.71E-04	0.00E+00	3.05E-05	9.74E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
2248	441711.6	3767927	1.61E-04	3.89E-04	0.00E+00	1.82E-04	5.66E-04	0.00E+00	3.05E-05	9.65E-05	0.00E+00	1.33E-05	3.87E-05	0.00E+00
2249	441720.2	3767931	1.61E-04	3.86E-04	0.00E+00	1.82E-04	5.60E-04	0.00E+00	3.05E-05	9.55E-05	0.00E+00	1.33E-05	3.83E-05	0.00E+00
2250	441728.9	3767935	1.61E-04	3.83E-04	0.00E+00	1.82E-04	5.57E-04	0.00E+00	3.05E-05	9.50E-05	0.00E+00	1.33E-05	3.81E-05	0.00E+00
2251	441737.5	3767938	1.61E-04	3.81E-04	0.00E+00	1.82E-04	5.54E-04	0.00E+00	3.05E-05	9.45E-05	0.00E+00	1.33E-05	3.79E-05	0.00E+00
2252	441746.1	3767942	1.61E-04	3.79E-04	0.00E+00	1.82E-04	5.51E-04	0.00E+00	3.05E-05	9.40E-05	0.00E+00	1.33E-05	3.77E-05	0.00E+00
2253	441754.7	3767945	1.61E-04	3.77E-04	0.00E+00	1.82E-04	5.48E-04	0.00E+00	3.05E-05	9.35E-05	0.00E+00	1.33E-05	3.74E-05	0.00E+00
2254	441763.3	3767949	1.61E-04	3.75E-04	0.00E+00	1.82E-04	5.45E-04	0.00E+00	3.05E-05	9.29E-05	0.00E+00	1.33E-05	3.72E-05	0.00E+00
2255	441771.9	3767952	1.61E-04	3.72E-04	0.00E+00	1.82E-04	5.41E-04	0.00E+00	3.05E-05	9.23E-05	0.00E+00	1.33E-05	3.70E-05	0.00E+00
2256	441780.6	3767956	1.61E-04	3.70E-04	0.00E+00	1.82E-04	5.37E-04	0.00E+00	3.05E-05	9.16E-05	0.00E+00	1.33E-05	3.67E-05	0.00E+00
2257	441789.2	3767960	1.61E-04	3.67E-04	0.00E+00	1.82E-04	5.34E-04	0.00E+00	3.05E-05	9.10E-05	0.00E+00	1.33E-05	3.64E-05	0.00E+00
2258	441797.8	3767963	1.61E-04	3.65E-04	0.00E+00	1.82E-04	5.30E-04	0.00E+00	3.05E-05	9.03E-05	0.00E+00	1.33E-05	3.62E-05	0.00E+00
2259	441806.4	3767967	1.61E-04	3.62E-04	0.00E+00	1.82E-04	5.26E-04	0.00E+00	3.05E-05	8.97E-05	0.00E+00	1.33E-05	3.59E-05	0.00E+00
2260	441815	3767970	1.61E-04	3.59E-04	0.00E+00	1.82E-04	5.21E-04	0.00E+00	3.05E-05	8.89E-05	0.00E+00	1.33E-05	3.56E-05	0.00E+00
2261	441823.7	3767974	1.61E-04	3.55E-04	0.00E+00	1.82E-04	5.15E-04	0.00E+00	3.05E-05	8.79E-05	0.00E+00	1.33E-05	3.52E-05	0.00E+00
2262	441832.3	3767977	1.61E-04	3.51E-04	0.00E+00	1.82E-04	5.10E-04	0.00E+00	3.05E-05	8.69E-05	0.00E+00	1.33E-05	3.48E-05	0.00E+00
2263	441840.9	3767981	1.61E-04	3.47E-04	0.00E+00	1.82E-04	5.04E-04	0.00E+00	3.05E-05	8.60E-05	0.00E+00	1.33E-05	3.44E-05	0.00E+00
2264	441849.5	3767985	1.61E-04	3.43E-04	0.00E+00	1.82E-04	4.98E-04	0.00E+00	3.05E-05	8.49E-05	0.00E+00	1.33E-05	3.40E-05	0.00E+00
2265	441858.1	3767988	1.61E-04	3.38E-04	0.00E+00	1.82E-04	4.92E-04	0.00E+00	3.05E-05	8.39E-05	0.00E+00	1.33E-05	3.36E-05	0.00E+00
2266	441866.7	3767992	1.61E-04	3.34E-04	0.00E+00	1.82E-04	4.85E-04	0.00E+00	3.05E-05	8.28E-05	0.00E+00	1.33E-05	3.32E-05	0.00E+00
2267	441875.4	3767995	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.80E-04	0.00E+00	3.05E-05	8.18E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
2268	441884	3767999	1.61E-04	3.26E-04	0.00E+00	1.82E-04	4.74E-04	0.00E+00	3.05E-05	8.09E-05	0.00E+00	1.33E-05	3.24E-05	0.00E+00
2269	441892.6	3768002	1.61E-04	3.23E-04	0.00E+00	1.82E-04	4.70E-04	0.00E+00	3.05E-05	8.01E-05	0.00E+00	1.33E-05	3.21E-05	0.00E+00
2270	441901.2	3768006	1.61E-04	3.21E-04	0.00E+00	1.82E-04	4.66E-04	0.00E+00	3.05E-05	7.95E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
2271	441909.8	3768010	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.63E-04	0.00E+00	3.05E-05	7.90E-05	0.00E+00	1.33E-05	3.16E-05	0.00E+00
2272	441918.5	3768013	1.61E-04	3.17E-04	0.00E+00	1.82E-04	4.61E-04	0.00E+00	3.05E-05	7.87E-05	0.00E+00	1.33E-05	3.15E-05	0.00E+00
2273	441927.1	3768017	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.60E-04	0.00E+00	3.05E-05	7.84E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
2274	441935.7	3768020	1.61E-04	3.15E-04	0.00E+00	1.82E-04	4.57E-04	0.00E+00	3.05E-05	7.80E-05	0.00E+00	1.33E-05	3.12E-05	0.00E+00
2275	441944.3	3768024	1.61E-04	3.12E-04	0.00E+00	1.82E-04	4.54E-04	0.00E+00	3.05E-05	7.74E-05	0.00E+00	1.33E-05	3.10E-05	0.00E+00
2276	441952.9	3768027	1.61E-04	3.09E-04	0.00E+00	1.82E-04	4.50E-04	0.00E+00	3.05E-05	7.67E-05	0.00E+00	1.33E-05	3.07E-05	0.00E+00
2277	442012.8	3768102	1.61E-04	3.15E-04	0.00E+00	1.82E-04	4.58E-04	0.00E+00	3.05E-05	7.81E-05	0.00E+00	1.33E-05	3.13E-05	0.00E+00
2278	442016.4	3768110	1.61E-04	3.17E-04	0.00E+00	1.82E-04	4.61E-04	0.00E+00	3.05E-05	7.86E-05	0.00E+00	1.33E-05	3.15E-05	0.00E+00
2279	442020	3768119	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.64E-04	0.00E+00	3.05E-05	7.91E-05	0.00E+00	1.33E-05	3.17E-05	0.00E+00
2280	442023.6	3768128	1.61E-04	3.21E-04	0.00E+00	1.82E-04	4.66E-04	0.00E+00	3.05E-05	7.95E-05	0.00E+00	1.33E-05	3.19E-05	0.00E+00
2281	442027.2	3768136	1.61E-04	3.23E-04	0.00E+00	1.82E-04	4.69E-04	0.00E+00	3.05E-05	8.00E-05	0.00E+00	1.33E-05	3.20E-05	0.00E+00
2282	442030.9	3768145	1.61E-04	3.25E-04	0.00E+00	1.82E-04	4.72E-04	0.00E+00	3.05E-05	8.04E-05	0.00E+00	1.33E-05	3.22E-05	0.00E+00
2283	442034.5	3768153	1.61E-04	3.27E-04	0.00E+00	1.82E-04	4.75E-04	0.00E+00	3.05E-05	8.09E-05	0.00E+00	1.33E-05	3.24E-05	0.00E+00
2284	442038.1	3768162	1.61E-04	3.28E-04	0.00E+00	1.82E-04	4.78E-04	0.00E+00	3.05E-05	8.14E-05	0.00E+00	1.33E-05	3.26E-05	0.00E+00
2285	442041.7	3768171	1.61E-04	3.31E-04	0.00E+00	1.82E-04	4.81E-04	0.00E+00	3.05E-05	8.20E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
2286	442045.4	3768179	1.61E-04	3.33E-04	0.00E+00	1.82E-04	4.84E-04	0.00E+00	3.05E-05	8.26E-05	0.00E+00	1.33E-05	3.31E-05	0.00E+00
2287	442049	3768188	1.61E-04	3.36E-04	0.00E+00	1.82E-04	4.88E-04	0.00E+00	3.05E-05	8.32E-05	0.00E+00	1.33E-05	3.33E-05	0.00E+00
2288	442052.6	3768196	1.61E-04	3.39E-04	0.00E+00	1.82E-04	4.93E-04	0.00E+00	3.05E-05	8.40E-05	0.00E+00	1.33E-05	3.37E-05	0.00E+00
2289	442056.2	3768205	1.61E-04	3.43E-04	0.00E+00	1.82E-04	4.98E-04	0.00E+00	3.05E-05	8.49E-05	0.00E+00	1.33E-05	3.40E-05	0.00E+00
2290	442059.9	3768214	1.61E-04	3.47E-04	0.00E+00	1.82E-04	5.04E-04	0.00E+00	3.05E-05	8.59E-05	0.00E+00	1.33E-05	3.44E-05	0.00E+00
2291	442063.5	3768222	1.61E-04	3.51E-04	0.00E+00	1.82E-04	5.10E-04	0.00E+00	3.05E-05	8.70E-05	0.00E+00	1.33E-05	3.48E-05	0.00E+00
2292	442067.1	3768231	1.61E-04	3.56E-04	0.00E+00	1.82E-04	5.17E-04	0.00E+00	3.05E-05	8.81E-05	0.00E+00	1.33E-05	3.53E-05	0.00E+00
2293	442070.7	3768239	1.61E-04	3.61E-04	0.00E+00	1.82E-04	5.24E-04	0.00E+00	3.05E-05	8.93E-05	0.00E+00	1.33E-05	3.58E-05	0.00E+00
2294	442074.3	3768248	1.61E-04	3.66E-04	0.00E+00	1.82E-04	5.33E-04	0.00E+00	3.05E-05	9.08E-05	0.00E+00	1.33E-05	3.64E-05	0.00E+00
2295	442078	3768257	1.61E-04	3.73E-04	0.00E+00	1.82E-04	5.42E-04	0.00E+00	3.05E-05	9.24E-05	0.00E+00	1.33E-05	3.70E-05	0.00E+00
2296	442081.6	3768265	1.61E-04	3.79E-04	0.00E+00	1.82E-04	5.51E-04	0.00E+00	3.05E-05	9.40E-05	0.00E+00	1.33E-05	3.77E-05	0.00E+00
2297	442085.2	3768274	1.61E-04	3.85E-04	0.00E+00	1.82E-04	5.60E-04	0.00E+00	3.05E-05	9.55E-05	0.00E+00	1.33E-05	3.83E-05	0.00E+00
2298	442088.8	3768282	1.61E-04	3.91E-04	0.00E+00	1.82E-04	5.69E-04	0.00E+00	3.05E-05	9.70E-05	0.00E+00	1.33E-05	3.88E-05	0.00E+00
2299	442092.5	3768291	1.61E-04	3.97E-04	0.00E+00	1.82E-04	5.77E-04	0.00E+00	3.05E-05	9.84E-05	0.00E+00	1.33E-05	3.94E-05	0.00E+00
2300	442096.1	3768300	1.61E-04	4.03E-04	0.00E+00	1.82E-04	5.86E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.00E-05	0.00E+00
2301	442099.7	3768308	1.61E-04	4.10E-04	0.00E+00	1.82E-04	5.97E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.07E-05	0.00E+00

2302	442103.3	3768317	1.61E-04	4.18E-04	0.00E+00	1.82E-04	6.07E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.15E-05	0.00E+00
2303	442106.9	3768325	1.61E-04	4.26E-04	0.00E+00	1.82E-04	6.19E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.23E-05	0.00E+00
2304	442110.6	3768334	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.30E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.30E-05	0.00E+00
2305	442114.2	3768343	1.61E-04	4.41E-04	0.00E+00	1.82E-04	6.41E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.38E-05	0.00E+00
2306	442117.8	3768351	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.53E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
2307	442121.4	3768360	1.61E-04	4.58E-04	0.00E+00	1.82E-04	6.66E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.55E-05	0.00E+00
2308	442125.1	3768368	1.61E-04	4.67E-04	0.00E+00	1.82E-04	6.79E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.64E-05	0.00E+00
2309	442128.7	3768377	1.61E-04	4.76E-04	0.00E+00	1.82E-04	6.92E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.72E-05	0.00E+00
2310	442132.3	3768386	1.61E-04	4.85E-04	0.00E+00	1.82E-04	7.05E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.82E-05	0.00E+00
2311	442150.4	3768428	1.61E-04	5.38E-04	0.00E+00	1.82E-04	7.82E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.34E-05	0.00E+00
2312	442154	3768437	1.61E-04	5.50E-04	0.00E+00	1.82E-04	8.00E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.46E-05	0.00E+00
2313	442157.7	3768446	1.61E-04	5.63E-04	0.00E+00	1.82E-04	8.18E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.59E-05	0.00E+00
2314	442161.3	3768454	1.61E-04	5.77E-04	0.00E+00	1.82E-04	8.38E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.73E-05	0.00E+00
2315	442183	3768506	1.61E-04	6.73E-04	0.00E+00	1.82E-04	9.79E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.68E-05	0.00E+00
2316	442186.6	3768514	1.61E-04	6.90E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.85E-05	0.00E+00
2317	442190.3	3768523	1.61E-04	7.07E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.02E-05	0.00E+00
2318	441496.2	3767838	1.61E-04	4.41E-04	0.00E+00	1.82E-04	6.41E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.38E-05	0.00E+00
2319	441486.8	3767838	1.61E-04	4.45E-04	0.00E+00	1.82E-04	6.47E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.42E-05	0.00E+00
2320	441477.4	3767838	1.61E-04	4.50E-04	0.00E+00	1.82E-04	6.54E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
2321	441468	3767838	1.61E-04	4.55E-04	0.00E+00	1.82E-04	6.61E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.51E-05	0.00E+00
2322	441458.6	3767838	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.68E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.56E-05	0.00E+00
2323	441449.2	3767838	1.61E-04	4.65E-04	0.00E+00	1.82E-04	6.75E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.61E-05	0.00E+00
2324	441439.8	3767838	1.61E-04	4.70E-04	0.00E+00	1.82E-04	6.83E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.67E-05	0.00E+00
2325	441430.4	3767838	1.61E-04	4.75E-04	0.00E+00	1.82E-04	6.91E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.72E-05	0.00E+00
2326	441421	3767838	1.61E-04	4.81E-04	0.00E+00	1.82E-04	6.99E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.77E-05	0.00E+00
2327	441411.6	3767838	1.61E-04	4.86E-04	0.00E+00	1.82E-04	7.06E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.82E-05	0.00E+00
2328	441504.9	3767802	1.61E-04	4.11E-04	0.00E+00	1.82E-04	5.97E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.08E-05	0.00E+00
2329	441513.6	3767805	1.61E-04	4.10E-04	0.00E+00	1.82E-04	5.95E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.07E-05	0.00E+00
2330	441522.3	3767809	1.61E-04	4.08E-04	0.00E+00	1.82E-04	5.93E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.05E-05	0.00E+00
2331	441530.9	3767812	1.61E-04	4.07E-04	0.00E+00	1.82E-04	5.91E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.04E-05	0.00E+00
2332	441539.6	3767816	1.61E-04	4.05E-04	0.00E+00	1.82E-04	5.89E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.02E-05	0.00E+00
2333	441548.2	3767820	1.61E-04	4.03E-04	0.00E+00	1.82E-04	5.86E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.00E-05	0.00E+00
2334	441556.9	3767823	1.61E-04	4.02E-04	0.00E+00	1.82E-04	5.84E-04	0.00E+00	3.05E-05	9.96E-05	0.00E+00	1.33E-05	3.99E-05	0.00E+00
2335	441565.5	3767827	1.61E-04	4.00E-04	0.00E+00	1.82E-04	5.82E-04	0.00E+00	3.05E-05	9.92E-05	0.00E+00	1.33E-05	3.97E-05	0.00E+00
2336	441591.5	3767838	1.61E-04	3.94E-04	0.00E+00	1.82E-04	5.73E-04	0.00E+00	3.05E-05	9.77E-05	0.00E+00	1.33E-05	3.92E-05	0.00E+00
2337	441600.2	3767841	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.71E-04	0.00E+00	3.05E-05	9.73E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
2338	441608.8	3767845	1.61E-04	3.92E-04	0.00E+00	1.82E-04	5.69E-04	0.00E+00	3.05E-05	9.70E-05	0.00E+00	1.33E-05	3.89E-05	0.00E+00
2339	441617.5	3767848	1.61E-04	3.90E-04	0.00E+00	1.82E-04	5.68E-04	0.00E+00	3.05E-05	9.68E-05	0.00E+00	1.33E-05	3.88E-05	0.00E+00
2340	441626.1	3767852	1.61E-04	3.89E-04	0.00E+00	1.82E-04	5.66E-04	0.00E+00	3.05E-05	9.64E-05	0.00E+00	1.33E-05	3.86E-05	0.00E+00
2341	441634.8	3767856	1.61E-04	3.88E-04	0.00E+00	1.82E-04	5.64E-04	0.00E+00	3.05E-05	9.61E-05	0.00E+00	1.33E-05	3.85E-05	0.00E+00
2342	441643.4	3767859	1.61E-04	3.86E-04	0.00E+00	1.82E-04	5.62E-04	0.00E+00	3.05E-05	9.57E-05	0.00E+00	1.33E-05	3.84E-05	0.00E+00
2343	441652.1	3767863	1.61E-04	3.85E-04	0.00E+00	1.82E-04	5.59E-04	0.00E+00	3.05E-05	9.54E-05	0.00E+00	1.33E-05	3.82E-05	0.00E+00
2344	441660.7	3767866	1.61E-04	3.83E-04	0.00E+00	1.82E-04	5.57E-04	0.00E+00	3.05E-05	9.50E-05	0.00E+00	1.33E-05	3.81E-05	0.00E+00
2345	441669.4	3767870	1.61E-04	3.81E-04	0.00E+00	1.82E-04	5.54E-04	0.00E+00	3.05E-05	9.44E-05	0.00E+00	1.33E-05	3.78E-05	0.00E+00
2346	441678	3767873	1.61E-04	3.79E-04	0.00E+00	1.82E-04	5.50E-04	0.00E+00	3.05E-05	9.38E-05	0.00E+00	1.33E-05	3.76E-05	0.00E+00
2347	441686.7	3767877	1.61E-04	3.76E-04	0.00E+00	1.82E-04	5.46E-04	0.00E+00	3.05E-05	9.31E-05	0.00E+00	1.33E-05	3.73E-05	0.00E+00
2348	441695.4	3767881	1.61E-04	3.73E-04	0.00E+00	1.82E-04	5.42E-04	0.00E+00	3.05E-05	9.24E-05	0.00E+00	1.33E-05	3.70E-05	0.00E+00
2349	441704	3767884	1.61E-04	3.69E-04	0.00E+00	1.82E-04	5.36E-04	0.00E+00	3.05E-05	9.15E-05	0.00E+00	1.33E-05	3.66E-05	0.00E+00
2350	441712.7	3767888	1.61E-04	3.65E-04	0.00E+00	1.82E-04	5.31E-04	0.00E+00	3.05E-05	9.05E-05	0.00E+00	1.33E-05	3.63E-05	0.00E+00
2351	441721.3	3767891	1.61E-04	3.62E-04	0.00E+00	1.82E-04	5.26E-04	0.00E+00	3.05E-05	8.96E-05	0.00E+00	1.33E-05	3.59E-05	0.00E+00
2352	441730	3767895	1.61E-04	3.59E-04	0.00E+00	1.82E-04	5.21E-04	0.00E+00	3.05E-05	8.89E-05	0.00E+00	1.33E-05	3.56E-05	0.00E+00
2353	441738.6	3767899	1.61E-04	3.56E-04	0.00E+00	1.82E-04	5.17E-04	0.00E+00	3.05E-05	8.81E-05	0.00E+00	1.33E-05	3.53E-05	0.00E+00
2354	441747.3	3767902	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.13E-04	0.00E+00	3.05E-05	8.74E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00
2355	441755.9	3767906	1.61E-04	3.50E-04	0.00E+00	1.82E-04	5.09E-04	0.00E+00	3.05E-05	8.68E-05	0.00E+00	1.33E-05	3.48E-05	0.00E+00
2356	441764.6	3767909	1.61E-04	3.48E-04	0.00E+00	1.82E-04	5.06E-04	0.00E+00	3.05E-05	8.63E-05	0.00E+00	1.33E-05	3.46E-05	0.00E+00
2357	441773.3	3767913	1.61E-04	3.46E-04	0.00E+00	1.82E-04	5.03E-04	0.00E+00	3.05E-05	8.58E-05	0.00E+00	1.33E-05	3.44E-05	0.00E+00
2358	441781.9	3767916	1.61E-04	3.45E-04	0.00E+00	1.82E-04	5.01E-04	0.00E+00	3.05E-05	8.54E-05	0.00E+00	1.33E-05	3.42E-05	0.00E+00
2359	441790.6	3767920	1.61E-04	3.43E-04	0.00E+00	1.82E-04	4.98E-04	0.00E+00	3.05E-05	8.49E-05	0.00E+00	1.33E-05	3.40E-05	0.00E+00
2360	441799.2	3767924	1.61E-04	3.41E-04	0.00E+00	1.82E-04	4.95E-04	0.00E+00	3.05E-05	8.44E-05	0.00E+00	1.33E-05	3.38E-05	0.00E+00
2361	441807.9	3767927	1.61E-04	3.39E-04	0.00E+00	1.82E-04	4.92E-04	0.00E+00	3.05E-05	8.39E-05	0.00E+00	1.33E-05	3.36E-05	0.00E+00
2362	441816.5	3767931	1.61E-04	3.36E-04	0.00E+00	1.82E-04	4.89E-04	0.00E+00	3.05E-05	8.33E-05	0.00E+00	1.33E-05	3.34E-05	0.00E+00
2363	441825.2	3767934	1.61E-04	3.33E-04	0.00E+00	1.82E-04	4.84E-04	0.00E+00	3.05E-05	8.26E-05	0.00E+00	1.33E-05	3.31E-05	0.00E+00
2364	441833.8	3767938	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.79E-04	0.00E+00	3.05E-05	8.17E-05	0.00E+00	1.33E-05	3.27E-05	0.00E+00
2365	441842.5	3767942	1.61E-04	3.26E-04	0.00E+00	1.82E-04	4.74E-04	0.00E+00	3.05E-05	8.08E-05	0.00E+00	1.33E-05	3.24E-05	0.00E+00
2366	441851.1	3767945	1.61E-04	3.23E-04	0.00E+00	1.82E-04	4.70E-04	0.00E+00	3.05E-05	8.01E-05	0.00E+00	1.33E-05	3.21E-05	0.00E+00
2367	441859.8	3767949	1.61E-04	3.20E-04	0.00E+00	1.82E-04	4.65E-04	0.00E+00	3.05E-05	7.93E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
2368	441868.5	3767952	1.61E-04	3.17E-04	0.00E+00	1.82E-04	4.60E-04	0.00E+00	3.05E-05	7.85E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
2369	441877.1	3767956	1.61E-04	3.14E-04	0.00E+00	1.82E-04	4.56E-04	0.00E+00	3.05E-05	7.77E-05	0.00E+00	1.33E-05	3.11E-05	0.00E+00
2370	441885.8	3767960	1.61E-04	3.10E-04	0.00E+00	1.82E-04	4.51E-04	0.00E+00	3.05E-05	7.69E-05	0.00E+00	1.33E-05	3.08E-05	0.00E+00
2371	441894.4	3767963	1.61E-04	3.07E-04	0.00E+00	1.82E-04	4.47E-04	0.00E+00	3.05E-05	7.61E-05	0.00E+00	1.33E-05	3.05E-05	0.00E+00
2372	441903.1	3767967	1.61E-04	3.04E-04	0.00E+00	1.82E-04	4.42E-04	0.00E+00	3.05E-05	7.54E-05	0.00E+00	1.33E-05	3.02E-05	0.00E+00
2373	441911.7	3767970	1.61E-04	3.02E-04	0.00E+00	1.82E-04	4.39E-04	0.00E+00	3.05E-05	7.48E-05	0.00E+00	1.33E-05	3.00E-05	0.00E+00
2374	441920.4	3767974	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.35E-04	0.00E+00	3.05E-05	7.42E-05	0.00E+00	1.33E-05	2.97E-05	0.00E+00
2375	441929	3767977	1.61E-04	2.97E-04	0.00E+00	1.82E-04	4.32E-04	0.00E+00	3.05E-05	7.36E-05	0.00E+00	1.33E-05	2.95E-05	0.00E+00
2376	441937.7	3767981	1.61E-04	2.95E-04	0.00E+00	1.82E-04	4.28E-04	0.00E+00	3.05E-05	7.30E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
2377	441946.4	3767985	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.25E-04	0.00E+00	3.05E-05	7.24E-05	0.00E+00	1.33E-05	2.90E-05	0.00E+00
2378	441955	3767988	1.61E-04	2.90E-04	0.00E+00	1.82E-04	4.22E-04	0.00E+00	3.05E-05	7.19E-05	0.00E+00	1.33E-05	2.88E-05	0.00E+00
2379	441998.3	3768006	1.61E-04	2.80E-04	0.00E+00	1.82E-04	4.07E-04	0.00E+00	3.05E-05	6.94E-05	0.00E+00	1.33E-05	2.78E-05	0.00E+00
2380	442006.9	3768010	1.61E-04	2.78E-04	0.00E+00	1.82E-04	4.04E-04	0.00E+00	3.05E-05	6.88E-05	0.00E+00	1.33E-05	2.76E-05	0.00E+00
2381	442019.2	3768022	1.61E-04	2.77E-04	0.00E+00	1.82E-04	4.03E-04	0.00E+00	3.05E-05	6.87E-05	0.00E+00	1.33E-05	2.75E-05	0.00E+00
2382	442022.9	3768031	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.06E-04	0.00E+00	3.05E-05	6.92E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
2383	442026.5	3768039	1.61E-04	2.81E-04	0.00E+00	1.82E-04	4.09E-04	0.00E+00	3.05E-05	6.97E-05	0.00E+00	1.33E-05	2.79E-05	0.00E+00
2384	442030.1	3768048	1.61E-04	2.83E-04	0.00E+00	1.82E-04	4.12E-04	0.00E+00	3.05E-05	7.02E-05	0.00E+00	1.33E-05	2.81E-05	0.00E+00
2385	442033.8	3768056	1.61E-04	2.85E-04	0.00E+00	1.82E-04	4.14E-04	0.00E+00	3.05E-05	7.07E-05	0.00E+00	1.33E-05	2.83E-05	0.00E+00
2386	442037.4	3768065	1.61E-04	2.87E-04	0.00E+00	1.82E-04	4.17E-04	0.00E+00	3.05E-05	7.11E-05	0.00E+00	1.33E-05	2.85E-05	0.00E+00
2387	442041.1	3768074	1.61E-04	2.89E-04	0.00E+00	1.82E-04	4.20E-04	0.00E+00	3.05E-05	7.16E-05	0.00E+00	1.33E-05	2.87E-05	0.00E+00
2388	442055.6	3768108	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.30E-04	0.00E+00	3.05E-05	7.33E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
2389	442059.3	3768117	1.61E-04	2.98E-04	0.00E+00	1.82E-04	4.33E-04	0.00E+00	3.05E-05	7.38E-05	0.00E+00	1.33E-05	2.96E-05	0.00E+00
2390	442062.9	3768126	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.36E-04	0.00E+00	3.05E-05	7.43E-05	0.00E+00	1.33E-05	2.98E-05	0.00E+00
2391	442066.5	3768134	1.61E-04	3.02E-04	0.00E+00	1.82E-04	4.39E-04	0.00E+00	3.05E-05	7.49E-05	0.00E+00	1.33E-05	3.00E-05	0.00E+00
2392	442070.2	3768143	1.61E-04	3.04E-04	0.00E+00	1.82E-04	4.42E-04	0.00E+00	3.05E-05	7.54E-05	0.00E+00	1.33E-05	3.02E-05	0.00E+00
2393	442073.8	3768151	1.61E-04	3.07E-04	0.00E+00	1.82E-04	4.46E-04	0.00E+00	3.05E-05	7.60E-05	0.00E+00	1.33E-05	3.04E-05	0.00E+00
2394	442077.4	3768160	1.61E-04	3.09E-04	0.00E+00	1.82E-04	4.49E-04	0.00E+00	3.05E-05	7.66E-05	0.00E+00	1.33E-05	3.07E-05	0.00E+00
2395	442081.1	3768169	1.61E-04	3.12E-04	0.00E+00	1.82E-04	4.53E-04	0.00E+00	3.05E-05	7.73E-05	0.00E+00	1.33E-05	3.10E-05	0.00E+00
2396	442084.7	3768177	1.61E-04	3.15E-04	0.00E+00	1.82E-04	4.58E-04	0.00E+00	3.05E-05	7.81E-05	0.00E+00	1.33E-05	3.13E-05	0.00E+00
2397	442088.4	3768186	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.63E-04	0.00E+00	3.05E-05	7.90E-05	0.00E+00	1.33E-05	3.16E-05	0.00E+00

2398	442092	3768195	1.61E-04	3.22E-04	0.00E+00	1.82E-04	4.69E-04	0.00E+00	3.05E-05	7.99E-05	0.00E+00	1.33E-05	3.20E-05	0.00E+00
2399	442095.6	3768203	1.61E-04	3.26E-04	0.00E+00	1.82E-04	4.74E-04	0.00E+00	3.05E-05	8.08E-05	0.00E+00	1.33E-05	3.24E-05	0.00E+00
2400	442099.3	3768212	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.80E-04	0.00E+00	3.05E-05	8.18E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
2401	442102.9	3768220	1.61E-04	3.34E-04	0.00E+00	1.82E-04	4.86E-04	0.00E+00	3.05E-05	8.29E-05	0.00E+00	1.33E-05	3.32E-05	0.00E+00
2402	442106.6	3768229	1.61E-04	3.39E-04	0.00E+00	1.82E-04	4.93E-04	0.00E+00	3.05E-05	8.40E-05	0.00E+00	1.33E-05	3.36E-05	0.00E+00
2403	442110.2	3768238	1.61E-04	3.44E-04	0.00E+00	1.82E-04	4.99E-04	0.00E+00	3.05E-05	8.51E-05	0.00E+00	1.33E-05	3.41E-05	0.00E+00
2404	442113.8	3768246	1.61E-04	3.49E-04	0.00E+00	1.82E-04	5.07E-04	0.00E+00	3.05E-05	8.64E-05	0.00E+00	1.33E-05	3.46E-05	0.00E+00
2405	442117.5	3768255	1.61E-04	3.54E-04	0.00E+00	1.82E-04	5.14E-04	0.00E+00	3.05E-05	8.77E-05	0.00E+00	1.33E-05	3.51E-05	0.00E+00
2406	442121.1	3768264	1.61E-04	3.60E-04	0.00E+00	1.82E-04	5.23E-04	0.00E+00	3.05E-05	8.91E-05	0.00E+00	1.33E-05	3.57E-05	0.00E+00
2407	442124.7	3768272	1.61E-04	3.65E-04	0.00E+00	1.82E-04	5.31E-04	0.00E+00	3.05E-05	9.05E-05	0.00E+00	1.33E-05	3.62E-05	0.00E+00
2408	442128.4	3768281	1.61E-04	3.70E-04	0.00E+00	1.82E-04	5.38E-04	0.00E+00	3.05E-05	9.17E-05	0.00E+00	1.33E-05	3.67E-05	0.00E+00
2409	442132	3768290	1.61E-04	3.75E-04	0.00E+00	1.82E-04	5.46E-04	0.00E+00	3.05E-05	9.30E-05	0.00E+00	1.33E-05	3.73E-05	0.00E+00
2410	442135.7	3768298	1.61E-04	3.81E-04	0.00E+00	1.82E-04	5.53E-04	0.00E+00	3.05E-05	9.43E-05	0.00E+00	1.33E-05	3.78E-05	0.00E+00
2411	442139.3	3768307	1.61E-04	3.87E-04	0.00E+00	1.82E-04	5.62E-04	0.00E+00	3.05E-05	9.59E-05	0.00E+00	1.33E-05	3.84E-05	0.00E+00
2412	442142.9	3768315	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.72E-04	0.00E+00	3.05E-05	9.75E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
2413	442146.6	3768324	1.61E-04	4.00E-04	0.00E+00	1.82E-04	5.82E-04	0.00E+00	3.05E-05	9.91E-05	0.00E+00	1.33E-05	3.97E-05	0.00E+00
2414	442150.2	3768333	1.61E-04	4.07E-04	0.00E+00	1.82E-04	5.92E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.04E-05	0.00E+00
2415	442153.9	3768341	1.61E-04	4.15E-04	0.00E+00	1.82E-04	6.03E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.12E-05	0.00E+00
2416	442157.5	3768350	1.61E-04	4.23E-04	0.00E+00	1.82E-04	6.15E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.20E-05	0.00E+00
2417	442161.1	3768359	1.61E-04	4.32E-04	0.00E+00	1.82E-04	6.28E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.29E-05	0.00E+00
2418	442164.8	3768367	1.61E-04	4.40E-04	0.00E+00	1.82E-04	6.40E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.37E-05	0.00E+00
2419	442168.4	3768376	1.61E-04	4.48E-04	0.00E+00	1.82E-04	6.52E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.45E-05	0.00E+00
2420	442190.2	3768428	1.61E-04	5.08E-04	0.00E+00	1.82E-04	7.39E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.05E-05	0.00E+00
2421	442193.9	3768436	1.61E-04	5.20E-04	0.00E+00	1.82E-04	7.56E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.17E-05	0.00E+00
2422	442215.7	3768488	1.61E-04	6.01E-04	0.00E+00	1.82E-04	8.74E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.97E-05	0.00E+00
2423	442219.3	3768497	1.61E-04	6.15E-04	0.00E+00	1.82E-04	8.95E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.11E-05	0.00E+00
2424	442223	3768505	1.61E-04	6.30E-04	0.00E+00	1.82E-04	9.15E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.25E-05	0.00E+00
2425	442226.6	3768514	1.61E-04	6.45E-04	0.00E+00	1.82E-04	9.37E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.40E-05	0.00E+00
2426	442230.3	3768523	1.61E-04	6.60E-04	0.00E+00	1.82E-04	9.59E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.55E-05	0.00E+00
2427	441496.3	3767798	1.61E-04	4.11E-04	0.00E+00	1.82E-04	5.98E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.08E-05	0.00E+00
2428	441486.9	3767798	1.61E-04	4.14E-04	0.00E+00	1.82E-04	6.02E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.11E-05	0.00E+00
2429	441477.5	3767798	1.61E-04	4.18E-04	0.00E+00	1.82E-04	6.08E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.15E-05	0.00E+00
2430	441468.1	3767798	1.61E-04	4.22E-04	0.00E+00	1.82E-04	6.13E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.19E-05	0.00E+00
2431	441458.7	3767798	1.61E-04	4.26E-04	0.00E+00	1.82E-04	6.19E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.23E-05	0.00E+00
2432	441449.3	3767798	1.61E-04	4.30E-04	0.00E+00	1.82E-04	6.25E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.27E-05	0.00E+00
2433	441439.9	3767798	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.31E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
2434	441430.5	3767798	1.61E-04	4.39E-04	0.00E+00	1.82E-04	6.37E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.35E-05	0.00E+00
2435	441421.2	3767798	1.61E-04	4.43E-04	0.00E+00	1.82E-04	6.44E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.40E-05	0.00E+00
2436	441411.8	3767798	1.61E-04	4.47E-04	0.00E+00	1.82E-04	6.50E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.44E-05	0.00E+00
2437	441505	3767762	1.61E-04	3.80E-04	0.00E+00	1.82E-04	5.53E-04	0.00E+00	3.05E-05	9.42E-05	0.00E+00	1.33E-05	3.78E-05	0.00E+00
2438	441513.5	3767765	1.61E-04	3.80E-04	0.00E+00	1.82E-04	5.52E-04	0.00E+00	3.05E-05	9.41E-05	0.00E+00	1.33E-05	3.77E-05	0.00E+00
2439	441522.1	3767769	1.61E-04	3.79E-04	0.00E+00	1.82E-04	5.50E-04	0.00E+00	3.05E-05	9.38E-05	0.00E+00	1.33E-05	3.76E-05	0.00E+00
2440	441530.6	3767772	1.61E-04	3.78E-04	0.00E+00	1.82E-04	5.49E-04	0.00E+00	3.05E-05	9.36E-05	0.00E+00	1.33E-05	3.75E-05	0.00E+00
2441	441539.2	3767776	1.61E-04	3.77E-04	0.00E+00	1.82E-04	5.47E-04	0.00E+00	3.05E-05	9.33E-05	0.00E+00	1.33E-05	3.74E-05	0.00E+00
2442	441547.7	3767779	1.61E-04	3.75E-04	0.00E+00	1.82E-04	5.45E-04	0.00E+00	3.05E-05	9.29E-05	0.00E+00	1.33E-05	3.72E-05	0.00E+00
2443	441556.3	3767783	1.61E-04	3.73E-04	0.00E+00	1.82E-04	5.42E-04	0.00E+00	3.05E-05	9.24E-05	0.00E+00	1.33E-05	3.70E-05	0.00E+00
2444	441564.8	3767786	1.61E-04	3.71E-04	0.00E+00	1.82E-04	5.39E-04	0.00E+00	3.05E-05	9.20E-05	0.00E+00	1.33E-05	3.68E-05	0.00E+00
2445	441599	3767801	1.61E-04	3.63E-04	0.00E+00	1.82E-04	5.28E-04	0.00E+00	3.05E-05	9.00E-05	0.00E+00	1.33E-05	3.60E-05	0.00E+00
2446	441607.6	3767804	1.61E-04	3.62E-04	0.00E+00	1.82E-04	5.26E-04	0.00E+00	3.05E-05	8.96E-05	0.00E+00	1.33E-05	3.59E-05	0.00E+00
2447	441616.2	3767808	1.61E-04	3.60E-04	0.00E+00	1.82E-04	5.23E-04	0.00E+00	3.05E-05	8.92E-05	0.00E+00	1.33E-05	3.57E-05	0.00E+00
2448	441624.7	3767811	1.61E-04	3.59E-04	0.00E+00	1.82E-04	5.21E-04	0.00E+00	3.05E-05	8.89E-05	0.00E+00	1.33E-05	3.56E-05	0.00E+00
2449	441633.3	3767815	1.61E-04	3.57E-04	0.00E+00	1.82E-04	5.19E-04	0.00E+00	3.05E-05	8.86E-05	0.00E+00	1.33E-05	3.55E-05	0.00E+00
2450	441641.8	3767818	1.61E-04	3.56E-04	0.00E+00	1.82E-04	5.18E-04	0.00E+00	3.05E-05	8.83E-05	0.00E+00	1.33E-05	3.54E-05	0.00E+00
2451	441650.4	3767822	1.61E-04	3.55E-04	0.00E+00	1.82E-04	5.17E-04	0.00E+00	3.05E-05	8.81E-05	0.00E+00	1.33E-05	3.53E-05	0.00E+00
2452	441658.9	3767825	1.61E-04	3.55E-04	0.00E+00	1.82E-04	5.16E-04	0.00E+00	3.05E-05	8.79E-05	0.00E+00	1.33E-05	3.52E-05	0.00E+00
2453	441667.5	3767829	1.61E-04	3.54E-04	0.00E+00	1.82E-04	5.15E-04	0.00E+00	3.05E-05	8.77E-05	0.00E+00	1.33E-05	3.51E-05	0.00E+00
2454	441676	3767833	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.13E-04	0.00E+00	3.05E-05	8.75E-05	0.00E+00	1.33E-05	3.51E-05	0.00E+00
2455	441684.6	3767836	1.61E-04	3.52E-04	0.00E+00	1.82E-04	5.12E-04	0.00E+00	3.05E-05	8.72E-05	0.00E+00	1.33E-05	3.49E-05	0.00E+00
2456	441693.1	3767840	1.61E-04	3.51E-04	0.00E+00	1.82E-04	5.10E-04	0.00E+00	3.05E-05	8.69E-05	0.00E+00	1.33E-05	3.48E-05	0.00E+00
2457	441701.7	3767843	1.61E-04	3.49E-04	0.00E+00	1.82E-04	5.07E-04	0.00E+00	3.05E-05	8.65E-05	0.00E+00	1.33E-05	3.46E-05	0.00E+00
2458	441710.2	3767847	1.61E-04	3.48E-04	0.00E+00	1.82E-04	5.05E-04	0.00E+00	3.05E-05	8.62E-05	0.00E+00	1.33E-05	3.45E-05	0.00E+00
2459	441718.8	3767850	1.61E-04	3.46E-04	0.00E+00	1.82E-04	5.04E-04	0.00E+00	3.05E-05	8.58E-05	0.00E+00	1.33E-05	3.44E-05	0.00E+00
2460	441727.3	3767854	1.61E-04	3.43E-04	0.00E+00	1.82E-04	4.99E-04	0.00E+00	3.05E-05	8.50E-05	0.00E+00	1.33E-05	3.41E-05	0.00E+00
2461	441735.9	3767857	1.61E-04	3.40E-04	0.00E+00	1.82E-04	4.94E-04	0.00E+00	3.05E-05	8.41E-05	0.00E+00	1.33E-05	3.37E-05	0.00E+00
2462	441744.4	3767861	1.61E-04	3.36E-04	0.00E+00	1.82E-04	4.88E-04	0.00E+00	3.05E-05	8.33E-05	0.00E+00	1.33E-05	3.34E-05	0.00E+00
2463	441753	3767864	1.61E-04	3.33E-04	0.00E+00	1.82E-04	4.84E-04	0.00E+00	3.05E-05	8.26E-05	0.00E+00	1.33E-05	3.31E-05	0.00E+00
2464	441761.6	3767868	1.61E-04	3.31E-04	0.00E+00	1.82E-04	4.81E-04	0.00E+00	3.05E-05	8.20E-05	0.00E+00	1.33E-05	3.29E-05	0.00E+00
2465	441770.1	3767872	1.61E-04	3.29E-04	0.00E+00	1.82E-04	4.78E-04	0.00E+00	3.05E-05	8.15E-05	0.00E+00	1.33E-05	3.26E-05	0.00E+00
2466	441778.7	3767875	1.61E-04	3.26E-04	0.00E+00	1.82E-04	4.75E-04	0.00E+00	3.05E-05	8.09E-05	0.00E+00	1.33E-05	3.24E-05	0.00E+00
2467	441787.2	3767879	1.61E-04	3.24E-04	0.00E+00	1.82E-04	4.71E-04	0.00E+00	3.05E-05	8.04E-05	0.00E+00	1.33E-05	3.22E-05	0.00E+00
2468	441795.8	3767882	1.61E-04	3.23E-04	0.00E+00	1.82E-04	4.69E-04	0.00E+00	3.05E-05	7.99E-05	0.00E+00	1.33E-05	3.20E-05	0.00E+00
2469	441804.3	3767886	1.61E-04	3.21E-04	0.00E+00	1.82E-04	4.66E-04	0.00E+00	3.05E-05	7.95E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
2470	441812.9	3767889	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.64E-04	0.00E+00	3.05E-05	7.90E-05	0.00E+00	1.33E-05	3.17E-05	0.00E+00
2471	441821.4	3767893	1.61E-04	3.17E-04	0.00E+00	1.82E-04	4.61E-04	0.00E+00	3.05E-05	7.86E-05	0.00E+00	1.33E-05	3.15E-05	0.00E+00
2472	441830	3767896	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.59E-04	0.00E+00	3.05E-05	7.82E-05	0.00E+00	1.33E-05	3.13E-05	0.00E+00
2473	441838.5	3767900	1.61E-04	3.14E-04	0.00E+00	1.82E-04	4.56E-04	0.00E+00	3.05E-05	7.77E-05	0.00E+00	1.33E-05	3.11E-05	0.00E+00
2474	441847.1	3767903	1.61E-04	3.11E-04	0.00E+00	1.82E-04	4.52E-04	0.00E+00	3.05E-05	7.71E-05	0.00E+00	1.33E-05	3.09E-05	0.00E+00
2475	441855.6	3767907	1.61E-04	3.08E-04	0.00E+00	1.82E-04	4.48E-04	0.00E+00	3.05E-05	7.64E-05	0.00E+00	1.33E-05	3.06E-05	0.00E+00
2476	441864.2	3767911	1.61E-04	3.06E-04	0.00E+00	1.82E-04	4.44E-04	0.00E+00	3.05E-05	7.57E-05	0.00E+00	1.33E-05	3.03E-05	0.00E+00
2477	441872.7	3767914	1.61E-04	3.03E-04	0.00E+00	1.82E-04	4.40E-04	0.00E+00	3.05E-05	7.51E-05	0.00E+00	1.33E-05	3.01E-05	0.00E+00
2478	441881.3	3767918	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.36E-04	0.00E+00	3.05E-05	7.44E-05	0.00E+00	1.33E-05	2.98E-05	0.00E+00
2479	441889.8	3767921	1.61E-04	2.97E-04	0.00E+00	1.82E-04	4.32E-04	0.00E+00	3.05E-05	7.37E-05	0.00E+00	1.33E-05	2.95E-05	0.00E+00
2480	441898.4	3767925	1.61E-04	2.95E-04	0.00E+00	1.82E-04	4.28E-04	0.00E+00	3.05E-05	7.30E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
2481	441906.9	3767928	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.24E-04	0.00E+00	3.05E-05	7.23E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
2482	441915.5	3767932	1.61E-04	2.89E-04	0.00E+00	1.82E-04	4.20E-04	0.00E+00	3.05E-05	7.15E-05	0.00E+00	1.33E-05	2.87E-05	0.00E+00
2483	441924.1	3767935	1.61E-04	2.86E-04	0.00E+00	1.82E-04	4.16E-04	0.00E+00	3.05E-05	7.09E-05	0.00E+00	1.33E-05	2.84E-05	0.00E+00
2484	441932.6	3767939	1.61E-04	2.83E-04	0.00E+00	1.82E-04	4.11E-04	0.00E+00	3.05E-05	7.01E-05	0.00E+00	1.33E-05	2.81E-05	0.00E+00
2485	441941.2	3767942	1.61E-04	2.80E-04	0.00E+00	1.82E-04	4.07E-04	0.00E+00	3.05E-05	6.93E-05	0.00E+00	1.33E-05	2.78E-05	0.00E+00
2486	441949.7	3767946	1.61E-04	2.77E-04	0.00E+00	1.82E-04	4.02E-04	0.00E+00	3.05E-05	6.86E-05	0.00E+00	1.33E-05	2.75E-05	0.00E+00
2487	441958.3	3767949	1.61E-04	2.74E-04	0.00E+00	1.82E-04	3.98E-04	0.00E+00	3.05E-05	6.79E-05	0.00E+00	1.33E-05	2.72E-05	0.00E+00
2488	442001	3767967	1.61E-04	2.64E-04	0.00E+00	1.82E-04	3.84E-04	0.00E+00	3.05E-05	6.55E-05	0.00E+00	1.33E-05	2.62E-05	0.00E+00
2489	442009.6	3767971	1.61E-04	2.62E-04	0.00E+00	1.82E-04	3.81E-04	0.00E+00	3.05E-05	6.50E-05	0.00E+00	1.33E-05	2.60E-05	0.00E+00
2490	442018.1	3767974	1.61E-04	2.60E-04	0.00E+00	1.82E-04	3.79E-04	0.00E+00	3.05E-05	6.45E-05	0.00E+00	1.33E-05	2.59E-05	0.00E+00
2491	442026.7	3767978	1.61E-04	2.59E-04	0.00E+00	1.82E-04	3.76E-04	0.00E+00	3.05E-05	6.41E-05	0.00E+00	1.33E-05	2.57E-05	0.00E+00
2492	442035.2	3767981	1.61E-04	2.57E-04	0.00E+00	1.82E-04	3.74E-04	0.00E+00	3.05E-05	6.38E-05	0.00E+00	1.33E-05	2.56E-05	0.00E+00
2493	442047.4	3767993	1.61E-04	2.58E-04	0.00E+00	1.82E-04	3.75E-04	0.00E+00	3.05E-05	6.39E-05	0.00E+00	1.33E-05	2.56E-05	0.00E+00

2494	442051	3768002	1.61E-04	2.60E-04	0.00E+00	1.82E-04	3.78E-04	0.00E+00	3.05E-05	6.44E-05	0.00E+00	1.33E-05	2.58E-05	0.00E+00
2495	442054.6	3768011	1.61E-04	2.61E-04	0.00E+00	1.82E-04	3.80E-04	0.00E+00	3.05E-05	6.47E-05	0.00E+00	1.33E-05	2.59E-05	0.00E+00
2496	442058.2	3768019	1.61E-04	2.63E-04	0.00E+00	1.82E-04	3.82E-04	0.00E+00	3.05E-05	6.51E-05	0.00E+00	1.33E-05	2.61E-05	0.00E+00
2497	442061.8	3768028	1.61E-04	2.64E-04	0.00E+00	1.82E-04	3.84E-04	0.00E+00	3.05E-05	6.54E-05	0.00E+00	1.33E-05	2.62E-05	0.00E+00
2498	442065.4	3768036	1.61E-04	2.65E-04	0.00E+00	1.82E-04	3.85E-04	0.00E+00	3.05E-05	6.57E-05	0.00E+00	1.33E-05	2.63E-05	0.00E+00
2499	442069	3768045	1.61E-04	2.66E-04	0.00E+00	1.82E-04	3.87E-04	0.00E+00	3.05E-05	6.60E-05	0.00E+00	1.33E-05	2.64E-05	0.00E+00
2500	442072.6	3768053	1.61E-04	2.67E-04	0.00E+00	1.82E-04	3.89E-04	0.00E+00	3.05E-05	6.63E-05	0.00E+00	1.33E-05	2.65E-05	0.00E+00
2501	442076.2	3768062	1.61E-04	2.69E-04	0.00E+00	1.82E-04	3.91E-04	0.00E+00	3.05E-05	6.66E-05	0.00E+00	1.33E-05	2.67E-05	0.00E+00
2502	442079.7	3768070	1.61E-04	2.70E-04	0.00E+00	1.82E-04	3.93E-04	0.00E+00	3.05E-05	6.70E-05	0.00E+00	1.33E-05	2.68E-05	0.00E+00
2503	442083.3	3768079	1.61E-04	2.72E-04	0.00E+00	1.82E-04	3.96E-04	0.00E+00	3.05E-05	6.75E-05	0.00E+00	1.33E-05	2.70E-05	0.00E+00
2504	442094.1	3768104	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.05E-04	0.00E+00	3.05E-05	6.90E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
2505	442097.7	3768113	1.61E-04	2.81E-04	0.00E+00	1.82E-04	4.08E-04	0.00E+00	3.05E-05	6.96E-05	0.00E+00	1.33E-05	2.79E-05	0.00E+00
2506	442101.3	3768121	1.61E-04	2.83E-04	0.00E+00	1.82E-04	4.12E-04	0.00E+00	3.05E-05	7.02E-05	0.00E+00	1.33E-05	2.81E-05	0.00E+00
2507	442104.9	3768130	1.61E-04	2.86E-04	0.00E+00	1.82E-04	4.15E-04	0.00E+00	3.05E-05	7.08E-05	0.00E+00	1.33E-05	2.84E-05	0.00E+00
2508	442108.5	3768138	1.61E-04	2.88E-04	0.00E+00	1.82E-04	4.19E-04	0.00E+00	3.05E-05	7.14E-05	0.00E+00	1.33E-05	2.86E-05	0.00E+00
2509	442112.1	3768147	1.61E-04	2.91E-04	0.00E+00	1.82E-04	4.23E-04	0.00E+00	3.05E-05	7.21E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
2510	442115.7	3768156	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.27E-04	0.00E+00	3.05E-05	7.29E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
2511	442119.3	3768164	1.61E-04	2.97E-04	0.00E+00	1.82E-04	4.32E-04	0.00E+00	3.05E-05	7.36E-05	0.00E+00	1.33E-05	2.95E-05	0.00E+00
2512	442122.9	3768173	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.36E-04	0.00E+00	3.05E-05	7.43E-05	0.00E+00	1.33E-05	2.98E-05	0.00E+00
2513	442126.5	3768181	1.61E-04	3.03E-04	0.00E+00	1.82E-04	4.40E-04	0.00E+00	3.05E-05	7.51E-05	0.00E+00	1.33E-05	3.01E-05	0.00E+00
2514	442130.1	3768190	1.61E-04	3.06E-04	0.00E+00	1.82E-04	4.45E-04	0.00E+00	3.05E-05	7.59E-05	0.00E+00	1.33E-05	3.04E-05	0.00E+00
2515	442133.7	3768198	1.61E-04	3.10E-04	0.00E+00	1.82E-04	4.50E-04	0.00E+00	3.05E-05	7.67E-05	0.00E+00	1.33E-05	3.07E-05	0.00E+00
2516	442137.3	3768207	1.61E-04	3.13E-04	0.00E+00	1.82E-04	4.56E-04	0.00E+00	3.05E-05	7.77E-05	0.00E+00	1.33E-05	3.11E-05	0.00E+00
2517	442140.9	3768215	1.61E-04	3.17E-04	0.00E+00	1.82E-04	4.61E-04	0.00E+00	3.05E-05	7.86E-05	0.00E+00	1.33E-05	3.15E-05	0.00E+00
2518	442144.5	3768224	1.61E-04	3.21E-04	0.00E+00	1.82E-04	4.66E-04	0.00E+00	3.05E-05	7.95E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
2519	442148.1	3768232	1.61E-04	3.25E-04	0.00E+00	1.82E-04	4.72E-04	0.00E+00	3.05E-05	8.04E-05	0.00E+00	1.33E-05	3.22E-05	0.00E+00
2520	442151.7	3768241	1.61E-04	3.29E-04	0.00E+00	1.82E-04	4.78E-04	0.00E+00	3.05E-05	8.15E-05	0.00E+00	1.33E-05	3.26E-05	0.00E+00
2521	442155.2	3768249	1.61E-04	3.33E-04	0.00E+00	1.82E-04	4.85E-04	0.00E+00	3.05E-05	8.26E-05	0.00E+00	1.33E-05	3.31E-05	0.00E+00
2522	442158.8	3768258	1.61E-04	3.38E-04	0.00E+00	1.82E-04	4.92E-04	0.00E+00	3.05E-05	8.39E-05	0.00E+00	1.33E-05	3.36E-05	0.00E+00
2523	442162.4	3768266	1.61E-04	3.43E-04	0.00E+00	1.82E-04	4.99E-04	0.00E+00	3.05E-05	8.51E-05	0.00E+00	1.33E-05	3.41E-05	0.00E+00
2524	442166	3768275	1.61E-04	3.48E-04	0.00E+00	1.82E-04	5.06E-04	0.00E+00	3.05E-05	8.63E-05	0.00E+00	1.33E-05	3.46E-05	0.00E+00
2525	442169.6	3768284	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.12E-04	0.00E+00	3.05E-05	8.74E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00
2526	442173.2	3768292	1.61E-04	3.57E-04	0.00E+00	1.82E-04	5.19E-04	0.00E+00	3.05E-05	8.85E-05	0.00E+00	1.33E-05	3.55E-05	0.00E+00
2527	442176.8	3768301	1.61E-04	3.62E-04	0.00E+00	1.82E-04	5.26E-04	0.00E+00	3.05E-05	8.98E-05	0.00E+00	1.33E-05	3.60E-05	0.00E+00
2528	442180.4	3768309	1.61E-04	3.68E-04	0.00E+00	1.82E-04	5.35E-04	0.00E+00	3.05E-05	9.12E-05	0.00E+00	1.33E-05	3.65E-05	0.00E+00
2529	442184	3768318	1.61E-04	3.74E-04	0.00E+00	1.82E-04	5.44E-04	0.00E+00	3.05E-05	9.27E-05	0.00E+00	1.33E-05	3.71E-05	0.00E+00
2530	442187.6	3768326	1.61E-04	3.80E-04	0.00E+00	1.82E-04	5.53E-04	0.00E+00	3.05E-05	9.43E-05	0.00E+00	1.33E-05	3.78E-05	0.00E+00
2531	442191.2	3768335	1.61E-04	3.87E-04	0.00E+00	1.82E-04	5.63E-04	0.00E+00	3.05E-05	9.60E-05	0.00E+00	1.33E-05	3.85E-05	0.00E+00
2532	442194.8	3768343	1.61E-04	3.95E-04	0.00E+00	1.82E-04	5.74E-04	0.00E+00	3.05E-05	9.79E-05	0.00E+00	1.33E-05	3.92E-05	0.00E+00
2533	442198.4	3768352	1.61E-04	4.02E-04	0.00E+00	1.82E-04	5.85E-04	0.00E+00	3.05E-05	9.97E-05	0.00E+00	1.33E-05	3.99E-05	0.00E+00
2534	442202	3768360	1.61E-04	4.10E-04	0.00E+00	1.82E-04	5.96E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.07E-05	0.00E+00
2535	442205.6	3768369	1.61E-04	4.18E-04	0.00E+00	1.82E-04	6.08E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.15E-05	0.00E+00
2536	442252.3	3768480	1.61E-04	5.53E-04	0.00E+00	1.82E-04	8.04E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.49E-05	0.00E+00
2537	442255.9	3768488	1.61E-04	5.66E-04	0.00E+00	1.82E-04	8.22E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.61E-05	0.00E+00
2538	442259.5	3768497	1.61E-04	5.78E-04	0.00E+00	1.82E-04	8.41E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.74E-05	0.00E+00
2539	442263.1	3768505	1.61E-04	5.92E-04	0.00E+00	1.82E-04	8.60E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.88E-05	0.00E+00
2540	442266.7	3768514	1.61E-04	6.05E-04	0.00E+00	1.82E-04	8.80E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.01E-05	0.00E+00
2541	442270.3	3768522	1.61E-04	6.19E-04	0.00E+00	1.82E-04	9.00E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.14E-05	0.00E+00
2542	441496.4	3767758	1.61E-04	3.81E-04	0.00E+00	1.82E-04	5.54E-04	0.00E+00	3.05E-05	9.44E-05	0.00E+00	1.33E-05	3.78E-05	0.00E+00
2543	441487	3767758	1.61E-04	3.84E-04	0.00E+00	1.82E-04	5.59E-04	0.00E+00	3.05E-05	9.53E-05	0.00E+00	1.33E-05	3.82E-05	0.00E+00
2544	441477.6	3767758	1.61E-04	3.88E-04	0.00E+00	1.82E-04	5.64E-04	0.00E+00	3.05E-05	9.61E-05	0.00E+00	1.33E-05	3.85E-05	0.00E+00
2545	441468.2	3767758	1.61E-04	3.92E-04	0.00E+00	1.82E-04	5.70E-04	0.00E+00	3.05E-05	9.72E-05	0.00E+00	1.33E-05	3.89E-05	0.00E+00
2546	441458.8	3767758	1.61E-04	3.96E-04	0.00E+00	1.82E-04	5.76E-04	0.00E+00	3.05E-05	9.82E-05	0.00E+00	1.33E-05	3.93E-05	0.00E+00
2547	441449.5	3767758	1.61E-04	4.00E-04	0.00E+00	1.82E-04	5.82E-04	0.00E+00	3.05E-05	9.92E-05	0.00E+00	1.33E-05	3.97E-05	0.00E+00
2548	441440.1	3767758	1.61E-04	4.04E-04	0.00E+00	1.82E-04	5.87E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.01E-05	0.00E+00
2549	441430.7	3767758	1.61E-04	4.08E-04	0.00E+00	1.82E-04	5.93E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.05E-05	0.00E+00
2550	441421.3	3767758	1.61E-04	4.11E-04	0.00E+00	1.82E-04	5.98E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.08E-05	0.00E+00
2551	441411.9	3767758	1.61E-04	4.16E-04	0.00E+00	1.82E-04	6.04E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.13E-05	0.00E+00
2552	441505.1	3767722	1.61E-04	3.54E-04	0.00E+00	1.82E-04	5.15E-04	0.00E+00	3.05E-05	8.78E-05	0.00E+00	1.33E-05	3.52E-05	0.00E+00
2553	441513.7	3767725	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.14E-04	0.00E+00	3.05E-05	8.76E-05	0.00E+00	1.33E-05	3.51E-05	0.00E+00
2554	441522.3	3767729	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.13E-04	0.00E+00	3.05E-05	8.74E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00
2555	441530.9	3767732	1.61E-04	3.52E-04	0.00E+00	1.82E-04	5.12E-04	0.00E+00	3.05E-05	8.72E-05	0.00E+00	1.33E-05	3.49E-05	0.00E+00
2556	441539.5	3767736	1.61E-04	3.51E-04	0.00E+00	1.82E-04	5.10E-04	0.00E+00	3.05E-05	8.70E-05	0.00E+00	1.33E-05	3.48E-05	0.00E+00
2557	441548.1	3767739	1.61E-04	3.50E-04	0.00E+00	1.82E-04	5.08E-04	0.00E+00	3.05E-05	8.67E-05	0.00E+00	1.33E-05	3.47E-05	0.00E+00
2558	441556.7	3767743	1.61E-04	3.48E-04	0.00E+00	1.82E-04	5.06E-04	0.00E+00	3.05E-05	8.63E-05	0.00E+00	1.33E-05	3.46E-05	0.00E+00
2559	441565.3	3767747	1.61E-04	3.47E-04	0.00E+00	1.82E-04	5.04E-04	0.00E+00	3.05E-05	8.59E-05	0.00E+00	1.33E-05	3.44E-05	0.00E+00
2560	441591	3767757	1.61E-04	3.42E-04	0.00E+00	1.82E-04	4.97E-04	0.00E+00	3.05E-05	8.48E-05	0.00E+00	1.33E-05	3.40E-05	0.00E+00
2561	441599.6	3767761	1.61E-04	3.41E-04	0.00E+00	1.82E-04	4.95E-04	0.00E+00	3.05E-05	8.45E-05	0.00E+00	1.33E-05	3.38E-05	0.00E+00
2562	441608.2	3767764	1.61E-04	3.39E-04	0.00E+00	1.82E-04	4.93E-04	0.00E+00	3.05E-05	8.40E-05	0.00E+00	1.33E-05	3.37E-05	0.00E+00
2563	441616.8	3767768	1.61E-04	3.37E-04	0.00E+00	1.82E-04	4.90E-04	0.00E+00	3.05E-05	8.35E-05	0.00E+00	1.33E-05	3.35E-05	0.00E+00
2564	441625.4	3767772	1.61E-04	3.35E-04	0.00E+00	1.82E-04	4.87E-04	0.00E+00	3.05E-05	8.31E-05	0.00E+00	1.33E-05	3.33E-05	0.00E+00
2565	441634	3767775	1.61E-04	3.34E-04	0.00E+00	1.82E-04	4.85E-04	0.00E+00	3.05E-05	8.27E-05	0.00E+00	1.33E-05	3.31E-05	0.00E+00
2566	441642.6	3767779	1.61E-04	3.33E-04	0.00E+00	1.82E-04	4.84E-04	0.00E+00	3.05E-05	8.25E-05	0.00E+00	1.33E-05	3.30E-05	0.00E+00
2567	441651.1	3767782	1.61E-04	3.32E-04	0.00E+00	1.82E-04	4.82E-04	0.00E+00	3.05E-05	8.22E-05	0.00E+00	1.33E-05	3.29E-05	0.00E+00
2568	441659.7	3767786	1.61E-04	3.31E-04	0.00E+00	1.82E-04	4.81E-04	0.00E+00	3.05E-05	8.20E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
2569	441668.3	3767789	1.61E-04	3.29E-04	0.00E+00	1.82E-04	4.79E-04	0.00E+00	3.05E-05	8.17E-05	0.00E+00	1.33E-05	3.27E-05	0.00E+00
2570	441676.9	3767793	1.61E-04	3.28E-04	0.00E+00	1.82E-04	4.77E-04	0.00E+00	3.05E-05	8.14E-05	0.00E+00	1.33E-05	3.26E-05	0.00E+00
2571	441685.5	3767796	1.61E-04	3.28E-04	0.00E+00	1.82E-04	4.76E-04	0.00E+00	3.05E-05	8.12E-05	0.00E+00	1.33E-05	3.25E-05	0.00E+00
2572	441694.1	3767800	1.61E-04	3.26E-04	0.00E+00	1.82E-04	4.74E-04	0.00E+00	3.05E-05	8.08E-05	0.00E+00	1.33E-05	3.24E-05	0.00E+00
2573	441702.7	3767804	1.61E-04	3.24E-04	0.00E+00	1.82E-04	4.72E-04	0.00E+00	3.05E-05	8.04E-05	0.00E+00	1.33E-05	3.22E-05	0.00E+00
2574	441711.3	3767807	1.61E-04	3.23E-04	0.00E+00	1.82E-04	4.69E-04	0.00E+00	3.05E-05	7.99E-05	0.00E+00	1.33E-05	3.20E-05	0.00E+00
2575	441719.9	3767811	1.61E-04	3.21E-04	0.00E+00	1.82E-04	4.66E-04	0.00E+00	3.05E-05	7.95E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
2576	441728.4	3767814	1.61E-04	3.20E-04	0.00E+00	1.82E-04	4.65E-04	0.00E+00	3.05E-05	7.93E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
2577	441737	3767818	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.64E-04	0.00E+00	3.05E-05	7.91E-05	0.00E+00	1.33E-05	3.17E-05	0.00E+00
2578	441745.6	3767821	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.63E-04	0.00E+00	3.05E-05	7.89E-05	0.00E+00	1.33E-05	3.16E-05	0.00E+00
2579	441754.2	3767825	1.61E-04	3.17E-04	0.00E+00	1.82E-04	4.61E-04	0.00E+00	3.05E-05	7.86E-05	0.00E+00	1.33E-05	3.15E-05	0.00E+00
2580	441762.8	3767828	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.59E-04	0.00E+00	3.05E-05	7.83E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
2581	441771.4	3767832	1.61E-04	3.15E-04	0.00E+00	1.82E-04	4.57E-04	0.00E+00	3.05E-05	7.79E-05	0.00E+00	1.33E-05	3.12E-05	0.00E+00
2582	441780	3767836	1.61E-04	3.13E-04	0.00E+00	1.82E-04	4.55E-04	0.00E+00	3.05E-05	7.76E-05	0.00E+00	1.33E-05	3.11E-05	0.00E+00
2583	441788.6	3767839	1.61E-04	3.12E-04	0.00E+00	1.82E-04	4.53E-04	0.00E+00	3.05E-05	7.72E-05	0.00E+00	1.33E-05	3.09E-05	0.00E+00
2584	441797.2	3767843	1.61E-04	3.10E-04	0.00E+00	1.82E-04	4.51E-04	0.00E+00	3.05E-05	7.69E-05	0.00E+00	1.33E-05	3.08E-05	0.00E+00
2585	441805.7	3767846	1.61E-04	3.09E-04	0.00E+00	1.82E-04	4.49E-04	0.00E+00	3.05E-05	7.65E-05	0.00E+00	1.33E-05	3.06E-05	0.00E+00
2586	441814.3	3767850	1.61E-04	3.07E-04	0.00E+00	1.82E-04	4.46E-04	0.00E+00	3.05E-05	7.61E-05	0.00E+00	1.33E-05	3.05E-05	0.00E+00
2587	441822.9	3767853	1.61E-04	3.05E-04	0.00E+00	1.82E-04	4.43E-04	0.00E+00	3.05E-05	7.56E-05	0.00E+00	1.33E-05	3.03E-05	0.00E+00
2588	441831.5	3767857	1.61E-04	3.03E-04	0.00E+00	1.82E-04	4.41E-04	0.00E+00	3.05E-05	7.51E-05	0.00E+00	1.33E-05	3.01E-05	0.00E+00
2589	441840.1	3767860	1.61E-04	3.01E-04	0.00E+00	1.82E-04	4.38E-04	0.00E+00	3.05E-05	7.47E-05	0.00E+00	1.33E-05	2.99E-05	0.00E+00

2590	441848.7	3767864	1.61E-04	2.99E-04	0.00E+00	1.82E-04	4.35E-04	0.00E+00	3.05E-05	7.41E-05	0.00E+00	1.33E-05	2.97E-05	0.00E+00
2591	441857.3	3767868	1.61E-04	2.97E-04	0.00E+00	1.82E-04	4.32E-04	0.00E+00	3.05E-05	7.36E-05	0.00E+00	1.33E-05	2.95E-05	0.00E+00
2592	441865.9	3767871	1.61E-04	2.95E-04	0.00E+00	1.82E-04	4.29E-04	0.00E+00	3.05E-05	7.31E-05	0.00E+00	1.33E-05	2.93E-05	0.00E+00
2593	441874.5	3767875	1.61E-04	2.93E-04	0.00E+00	1.82E-04	4.26E-04	0.00E+00	3.05E-05	7.26E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
2594	441883	3767878	1.61E-04	2.90E-04	0.00E+00	1.82E-04	4.22E-04	0.00E+00	3.05E-05	7.20E-05	0.00E+00	1.33E-05	2.88E-05	0.00E+00
2595	441891.6	3767882	1.61E-04	2.88E-04	0.00E+00	1.82E-04	4.19E-04	0.00E+00	3.05E-05	7.14E-05	0.00E+00	1.33E-05	2.86E-05	0.00E+00
2596	441900.2	3767885	1.61E-04	2.85E-04	0.00E+00	1.82E-04	4.15E-04	0.00E+00	3.05E-05	7.07E-05	0.00E+00	1.33E-05	2.83E-05	0.00E+00
2597	441908.8	3767889	1.61E-04	2.82E-04	0.00E+00	1.82E-04	4.10E-04	0.00E+00	3.05E-05	6.99E-05	0.00E+00	1.33E-05	2.80E-05	0.00E+00
2598	441917.4	3767893	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.06E-04	0.00E+00	3.05E-05	6.92E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
2599	441926	3767896	1.61E-04	2.76E-04	0.00E+00	1.82E-04	4.01E-04	0.00E+00	3.05E-05	6.84E-05	0.00E+00	1.33E-05	2.74E-05	0.00E+00
2600	441934.6	3767900	1.61E-04	2.73E-04	0.00E+00	1.82E-04	3.97E-04	0.00E+00	3.05E-05	6.76E-05	0.00E+00	1.33E-05	2.71E-05	0.00E+00
2601	441943.2	3767903	1.61E-04	2.70E-04	0.00E+00	1.82E-04	3.92E-04	0.00E+00	3.05E-05	6.68E-05	0.00E+00	1.33E-05	2.68E-05	0.00E+00
2602	441951.7	3767907	1.61E-04	2.67E-04	0.00E+00	1.82E-04	3.88E-04	0.00E+00	3.05E-05	6.61E-05	0.00E+00	1.33E-05	2.65E-05	0.00E+00
2603	441960.3	3767910	1.61E-04	2.64E-04	0.00E+00	1.82E-04	3.83E-04	0.00E+00	3.05E-05	6.54E-05	0.00E+00	1.33E-05	2.62E-05	0.00E+00
2604	442003.3	3767928	1.61E-04	2.52E-04	0.00E+00	1.82E-04	3.66E-04	0.00E+00	3.05E-05	6.24E-05	0.00E+00	1.33E-05	2.50E-05	0.00E+00
2605	442011.9	3767932	1.61E-04	2.50E-04	0.00E+00	1.82E-04	3.63E-04	0.00E+00	3.05E-05	6.19E-05	0.00E+00	1.33E-05	2.48E-05	0.00E+00
2606	442020.5	3767935	1.61E-04	2.48E-04	0.00E+00	1.82E-04	3.60E-04	0.00E+00	3.05E-05	6.14E-05	0.00E+00	1.33E-05	2.46E-05	0.00E+00
2607	442029	3767939	1.61E-04	2.45E-04	0.00E+00	1.82E-04	3.56E-04	0.00E+00	3.05E-05	6.08E-05	0.00E+00	1.33E-05	2.43E-05	0.00E+00
2608	442037.6	3767942	1.61E-04	2.43E-04	0.00E+00	1.82E-04	3.53E-04	0.00E+00	3.05E-05	6.02E-05	0.00E+00	1.33E-05	2.41E-05	0.00E+00
2609	442046.2	3767946	1.61E-04	2.41E-04	0.00E+00	1.82E-04	3.50E-04	0.00E+00	3.05E-05	5.98E-05	0.00E+00	1.33E-05	2.39E-05	0.00E+00
2610	442054.8	3767949	1.61E-04	2.40E-04	0.00E+00	1.82E-04	3.48E-04	0.00E+00	3.05E-05	5.94E-05	0.00E+00	1.33E-05	2.38E-05	0.00E+00
2611	442063.4	3767953	1.61E-04	2.38E-04	0.00E+00	1.82E-04	3.46E-04	0.00E+00	3.05E-05	5.90E-05	0.00E+00	1.33E-05	2.37E-05	0.00E+00
2612	442075.6	3767965	1.61E-04	2.39E-04	0.00E+00	1.82E-04	3.48E-04	0.00E+00	3.05E-05	5.93E-05	0.00E+00	1.33E-05	2.38E-05	0.00E+00
2613	442079.2	3767974	1.61E-04	2.41E-04	0.00E+00	1.82E-04	3.51E-04	0.00E+00	3.05E-05	5.98E-05	0.00E+00	1.33E-05	2.40E-05	0.00E+00
2614	442082.8	3767982	1.61E-04	2.43E-04	0.00E+00	1.82E-04	3.54E-04	0.00E+00	3.05E-05	6.03E-05	0.00E+00	1.33E-05	2.42E-05	0.00E+00
2615	442086.4	3767991	1.61E-04	2.45E-04	0.00E+00	1.82E-04	3.56E-04	0.00E+00	3.05E-05	6.07E-05	0.00E+00	1.33E-05	2.43E-05	0.00E+00
2616	442090	3767999	1.61E-04	2.47E-04	0.00E+00	1.82E-04	3.59E-04	0.00E+00	3.05E-05	6.12E-05	0.00E+00	1.33E-05	2.45E-05	0.00E+00
2617	442093.7	3768008	1.61E-04	2.48E-04	0.00E+00	1.82E-04	3.60E-04	0.00E+00	3.05E-05	6.14E-05	0.00E+00	1.33E-05	2.46E-05	0.00E+00
2618	442097.3	3768017	1.61E-04	2.49E-04	0.00E+00	1.82E-04	3.62E-04	0.00E+00	3.05E-05	6.17E-05	0.00E+00	1.33E-05	2.47E-05	0.00E+00
2619	442100.9	3768025	1.61E-04	2.50E-04	0.00E+00	1.82E-04	3.63E-04	0.00E+00	3.05E-05	6.19E-05	0.00E+00	1.33E-05	2.48E-05	0.00E+00
2620	442104.5	3768034	1.61E-04	2.51E-04	0.00E+00	1.82E-04	3.65E-04	0.00E+00	3.05E-05	6.22E-05	0.00E+00	1.33E-05	2.49E-05	0.00E+00
2621	442108.1	3768042	1.61E-04	2.52E-04	0.00E+00	1.82E-04	3.66E-04	0.00E+00	3.05E-05	6.25E-05	0.00E+00	1.33E-05	2.50E-05	0.00E+00
2622	442111.7	3768051	1.61E-04	2.53E-04	0.00E+00	1.82E-04	3.68E-04	0.00E+00	3.05E-05	6.28E-05	0.00E+00	1.33E-05	2.52E-05	0.00E+00
2623	442115.3	3768059	1.61E-04	2.55E-04	0.00E+00	1.82E-04	3.70E-04	0.00E+00	3.05E-05	6.31E-05	0.00E+00	1.33E-05	2.53E-05	0.00E+00
2624	442118.9	3768068	1.61E-04	2.57E-04	0.00E+00	1.82E-04	3.73E-04	0.00E+00	3.05E-05	6.36E-05	0.00E+00	1.33E-05	2.55E-05	0.00E+00
2625	442122.5	3768076	1.61E-04	2.59E-04	0.00E+00	1.82E-04	3.76E-04	0.00E+00	3.05E-05	6.41E-05	0.00E+00	1.33E-05	2.57E-05	0.00E+00
2626	442126.1	3768085	1.61E-04	2.61E-04	0.00E+00	1.82E-04	3.79E-04	0.00E+00	3.05E-05	6.46E-05	0.00E+00	1.33E-05	2.59E-05	0.00E+00
2627	442137	3768111	1.61E-04	2.67E-04	0.00E+00	1.82E-04	3.89E-04	0.00E+00	3.05E-05	6.63E-05	0.00E+00	1.33E-05	2.65E-05	0.00E+00
2628	442140.6	3768119	1.61E-04	2.70E-04	0.00E+00	1.82E-04	3.92E-04	0.00E+00	3.05E-05	6.69E-05	0.00E+00	1.33E-05	2.68E-05	0.00E+00
2629	442144.2	3768128	1.61E-04	2.72E-04	0.00E+00	1.82E-04	3.96E-04	0.00E+00	3.05E-05	6.75E-05	0.00E+00	1.33E-05	2.70E-05	0.00E+00
2630	442147.8	3768136	1.61E-04	2.75E-04	0.00E+00	1.82E-04	3.99E-04	0.00E+00	3.05E-05	6.81E-05	0.00E+00	1.33E-05	2.73E-05	0.00E+00
2631	442151.4	3768145	1.61E-04	2.77E-04	0.00E+00	1.82E-04	4.03E-04	0.00E+00	3.05E-05	6.87E-05	0.00E+00	1.33E-05	2.75E-05	0.00E+00
2632	442155	3768154	1.61E-04	2.80E-04	0.00E+00	1.82E-04	4.07E-04	0.00E+00	3.05E-05	6.94E-05	0.00E+00	1.33E-05	2.78E-05	0.00E+00
2633	442158.6	3768162	1.61E-04	2.83E-04	0.00E+00	1.82E-04	4.11E-04	0.00E+00	3.05E-05	7.00E-05	0.00E+00	1.33E-05	2.80E-05	0.00E+00
2634	442162.3	3768171	1.61E-04	2.85E-04	0.00E+00	1.82E-04	4.15E-04	0.00E+00	3.05E-05	7.07E-05	0.00E+00	1.33E-05	2.83E-05	0.00E+00
2635	442165.9	3768179	1.61E-04	2.88E-04	0.00E+00	1.82E-04	4.19E-04	0.00E+00	3.05E-05	7.14E-05	0.00E+00	1.33E-05	2.86E-05	0.00E+00
2636	442169.5	3768188	1.61E-04	2.91E-04	0.00E+00	1.82E-04	4.23E-04	0.00E+00	3.05E-05	7.21E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
2637	442173.1	3768196	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.27E-04	0.00E+00	3.05E-05	7.28E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
2638	442176.7	3768205	1.61E-04	2.97E-04	0.00E+00	1.82E-04	4.32E-04	0.00E+00	3.05E-05	7.36E-05	0.00E+00	1.33E-05	2.95E-05	0.00E+00
2639	442180.3	3768214	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.37E-04	0.00E+00	3.05E-05	7.44E-05	0.00E+00	1.33E-05	2.98E-05	0.00E+00
2640	442183.9	3768222	1.61E-04	3.04E-04	0.00E+00	1.82E-04	4.42E-04	0.00E+00	3.05E-05	7.53E-05	0.00E+00	1.33E-05	3.02E-05	0.00E+00
2641	442187.5	3768231	1.61E-04	3.08E-04	0.00E+00	1.82E-04	4.48E-04	0.00E+00	3.05E-05	7.63E-05	0.00E+00	1.33E-05	3.06E-05	0.00E+00
2642	442191.1	3768239	1.61E-04	3.12E-04	0.00E+00	1.82E-04	4.54E-04	0.00E+00	3.05E-05	7.73E-05	0.00E+00	1.33E-05	3.10E-05	0.00E+00
2643	442194.7	3768248	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.59E-04	0.00E+00	3.05E-05	7.83E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
2644	442198.4	3768256	1.61E-04	3.20E-04	0.00E+00	1.82E-04	4.65E-04	0.00E+00	3.05E-05	7.93E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
2645	442202	3768265	1.61E-04	3.24E-04	0.00E+00	1.82E-04	4.72E-04	0.00E+00	3.05E-05	8.04E-05	0.00E+00	1.33E-05	3.22E-05	0.00E+00
2646	442205.6	3768274	1.61E-04	3.29E-04	0.00E+00	1.82E-04	4.79E-04	0.00E+00	3.05E-05	8.16E-05	0.00E+00	1.33E-05	3.27E-05	0.00E+00
2647	442209.2	3768282	1.61E-04	3.34E-04	0.00E+00	1.82E-04	4.86E-04	0.00E+00	3.05E-05	8.28E-05	0.00E+00	1.33E-05	3.32E-05	0.00E+00
2648	442212.8	3768291	1.61E-04	3.39E-04	0.00E+00	1.82E-04	4.93E-04	0.00E+00	3.05E-05	8.41E-05	0.00E+00	1.33E-05	3.37E-05	0.00E+00
2649	442216.4	3768299	1.61E-04	3.45E-04	0.00E+00	1.82E-04	5.01E-04	0.00E+00	3.05E-05	8.54E-05	0.00E+00	1.33E-05	3.42E-05	0.00E+00
2650	442220	3768308	1.61E-04	3.51E-04	0.00E+00	1.82E-04	5.10E-04	0.00E+00	3.05E-05	8.69E-05	0.00E+00	1.33E-05	3.48E-05	0.00E+00
2651	442223.6	3768316	1.61E-04	3.56E-04	0.00E+00	1.82E-04	5.18E-04	0.00E+00	3.05E-05	8.83E-05	0.00E+00	1.33E-05	3.54E-05	0.00E+00
2652	442227.2	3768325	1.61E-04	3.63E-04	0.00E+00	1.82E-04	5.27E-04	0.00E+00	3.05E-05	8.98E-05	0.00E+00	1.33E-05	3.60E-05	0.00E+00
2653	442230.9	3768334	1.61E-04	3.69E-04	0.00E+00	1.82E-04	5.36E-04	0.00E+00	3.05E-05	9.14E-05	0.00E+00	1.33E-05	3.66E-05	0.00E+00
2654	442234.5	3768342	1.61E-04	3.75E-04	0.00E+00	1.82E-04	5.44E-04	0.00E+00	3.05E-05	9.28E-05	0.00E+00	1.33E-05	3.72E-05	0.00E+00
2655	442238.1	3768351	1.61E-04	3.81E-04	0.00E+00	1.82E-04	5.53E-04	0.00E+00	3.05E-05	9.43E-05	0.00E+00	1.33E-05	3.78E-05	0.00E+00
2656	442241.7	3768359	1.61E-04	3.87E-04	0.00E+00	1.82E-04	5.62E-04	0.00E+00	3.05E-05	9.59E-05	0.00E+00	1.33E-05	3.84E-05	0.00E+00
2657	442285	3768462	1.61E-04	5.00E-04	0.00E+00	1.82E-04	7.27E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.96E-05	0.00E+00
2658	442288.6	3768471	1.61E-04	5.11E-04	0.00E+00	1.82E-04	7.42E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.07E-05	0.00E+00
2659	442292.2	3768479	1.61E-04	5.21E-04	0.00E+00	1.82E-04	7.58E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.18E-05	0.00E+00
2660	442295.8	3768488	1.61E-04	5.33E-04	0.00E+00	1.82E-04	7.75E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.29E-05	0.00E+00
2661	442299.4	3768496	1.61E-04	5.45E-04	0.00E+00	1.82E-04	7.92E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.41E-05	0.00E+00
2662	442303.1	3768505	1.61E-04	5.57E-04	0.00E+00	1.82E-04	8.10E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.53E-05	0.00E+00
2663	442306.7	3768513	1.61E-04	5.68E-04	0.00E+00	1.82E-04	8.26E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.64E-05	0.00E+00
2664	442310.3	3768522	1.61E-04	5.81E-04	0.00E+00	1.82E-04	8.44E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.77E-05	0.00E+00
2665	441496.5	3767718	1.61E-04	3.55E-04	0.00E+00	1.82E-04	5.16E-04	0.00E+00	3.05E-05	8.80E-05	0.00E+00	1.33E-05	3.52E-05	0.00E+00
2666	441487.2	3767718	1.61E-04	3.58E-04	0.00E+00	1.82E-04	5.21E-04	0.00E+00	3.05E-05	8.88E-05	0.00E+00	1.33E-05	3.56E-05	0.00E+00
2667	441477.8	3767718	1.61E-04	3.61E-04	0.00E+00	1.82E-04	5.25E-04	0.00E+00	3.05E-05	8.95E-05	0.00E+00	1.33E-05	3.59E-05	0.00E+00
2668	441468.4	3767718	1.61E-04	3.65E-04	0.00E+00	1.82E-04	5.30E-04	0.00E+00	3.05E-05	9.04E-05	0.00E+00	1.33E-05	3.62E-05	0.00E+00
2669	441459	3767718	1.61E-04	3.68E-04	0.00E+00	1.82E-04	5.35E-04	0.00E+00	3.05E-05	9.13E-05	0.00E+00	1.33E-05	3.66E-05	0.00E+00
2670	441449.6	3767718	1.61E-04	3.72E-04	0.00E+00	1.82E-04	5.40E-04	0.00E+00	3.05E-05	9.21E-05	0.00E+00	1.33E-05	3.69E-05	0.00E+00
2671	441440.2	3767718	1.61E-04	3.75E-04	0.00E+00	1.82E-04	5.45E-04	0.00E+00	3.05E-05	9.29E-05	0.00E+00	1.33E-05	3.72E-05	0.00E+00
2672	441430.8	3767718	1.61E-04	3.78E-04	0.00E+00	1.82E-04	5.50E-04	0.00E+00	3.05E-05	9.37E-05	0.00E+00	1.33E-05	3.75E-05	0.00E+00
2673	441421.4	3767718	1.61E-04	3.81E-04	0.00E+00	1.82E-04	5.54E-04	0.00E+00	3.05E-05	9.45E-05	0.00E+00	1.33E-05	3.79E-05	0.00E+00
2674	441412	3767718	1.61E-04	3.86E-04	0.00E+00	1.82E-04	5.61E-04	0.00E+00	3.05E-05	9.56E-05	0.00E+00	1.33E-05	3.83E-05	0.00E+00
2675	441505.3	3767682	1.61E-04	3.31E-04	0.00E+00	1.82E-04	4.81E-04	0.00E+00	3.05E-05	8.20E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
2676	441513.9	3767685	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.80E-04	0.00E+00	3.05E-05	8.18E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
2677	441522.5	3767689	1.61E-04	3.29E-04	0.00E+00	1.82E-04	4.79E-04	0.00E+00	3.05E-05	8.16E-05	0.00E+00	1.33E-05	3.27E-05	0.00E+00
2678	441531.2	3767692	1.61E-04	3.28E-04	0.00E+00	1.82E-04	4.77E-04	0.00E+00	3.05E-05	8.14E-05	0.00E+00	1.33E-05	3.26E-05	0.00E+00
2679	441539.8	3767696	1.61E-04	3.28E-04	0.00E+00	1.82E-04	4.76E-04	0.00E+00	3.05E-05	8.12E-05	0.00E+00	1.33E-05	3.25E-05	0.00E+00
2680	441548.4	3767700	1.61E-04	3.26E-04	0.00E+00	1.82E-04	4.74E-04	0.00E+00	3.05E-05	8.08E-05	0.00E+00	1.33E-05	3.23E-05	0.00E+00
2681	441557	3767703	1.61E-04	3.24E-04	0.00E+00	1.82E-04	4.71E-04	0.00E+00	3.05E-05	8.03E-05	0.00E+00	1.33E-05	3.22E-05	0.00E+00
2682	441565.6	3767707	1.61E-04	3.22E-04	0.00E+00	1.82E-04	4.68E-04	0.00E+00	3.05E-05	7.99E-05	0.00E+00	1.33E-05	3.20E-05	0.00E+00
2683	441591.5	3767717	1.61E-04	3.20E-04	0.00E+00	1.82E-04	4.65E-04	0.00E+00	3.05E-05	7.93E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
2684	441600.1	3767721	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.64E-04	0.00E+00	3.05E-05	7.91E-05	0.00E+00	1.33E-05	3.17E-05	0.00E+00
2685	441608.8	3767725	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.63E-04	0.00E+00	3.05E-05	7.89E-05	0.00E+00	1.33E-05	3.16E-05	0.00E+00

2686	441617.4	3767728	1.61E-04	3.18E-04	0.00E+00	1.82E-04	4.62E-04	0.00E+00	3.05E-05	7.88E-05	0.00E+00	1.33E-05	3.16E-05	0.00E+00
2687	441626	3767732	1.61E-04	3.17E-04	0.00E+00	1.82E-04	4.61E-04	0.00E+00	3.05E-05	7.86E-05	0.00E+00	1.33E-05	3.15E-05	0.00E+00
2688	441634.6	3767735	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.59E-04	0.00E+00	3.05E-05	7.82E-05	0.00E+00	1.33E-05	3.13E-05	0.00E+00
2689	441643.2	3767739	1.61E-04	3.14E-04	0.00E+00	1.82E-04	4.57E-04	0.00E+00	3.05E-05	7.79E-05	0.00E+00	1.33E-05	3.12E-05	0.00E+00
2690	441651.9	3767742	1.61E-04	3.13E-04	0.00E+00	1.82E-04	4.55E-04	0.00E+00	3.05E-05	7.76E-05	0.00E+00	1.33E-05	3.11E-05	0.00E+00
2691	441660.5	3767746	1.61E-04	3.12E-04	0.00E+00	1.82E-04	4.54E-04	0.00E+00	3.05E-05	7.73E-05	0.00E+00	1.33E-05	3.10E-05	0.00E+00
2692	441669.1	3767750	1.61E-04	3.11E-04	0.00E+00	1.82E-04	4.52E-04	0.00E+00	3.05E-05	7.70E-05	0.00E+00	1.33E-05	3.09E-05	0.00E+00
2693	441677.7	3767753	1.61E-04	3.10E-04	0.00E+00	1.82E-04	4.50E-04	0.00E+00	3.05E-05	7.67E-05	0.00E+00	1.33E-05	3.07E-05	0.00E+00
2694	441686.3	3767757	1.61E-04	3.08E-04	0.00E+00	1.82E-04	4.48E-04	0.00E+00	3.05E-05	7.64E-05	0.00E+00	1.33E-05	3.06E-05	0.00E+00
2695	441695	3767760	1.61E-04	3.06E-04	0.00E+00	1.82E-04	4.45E-04	0.00E+00	3.05E-05	7.59E-05	0.00E+00	1.33E-05	3.04E-05	0.00E+00
2696	441703.6	3767764	1.61E-04	3.04E-04	0.00E+00	1.82E-04	4.42E-04	0.00E+00	3.05E-05	7.54E-05	0.00E+00	1.33E-05	3.02E-05	0.00E+00
2697	441712.2	3767767	1.61E-04	3.02E-04	0.00E+00	1.82E-04	4.40E-04	0.00E+00	3.05E-05	7.49E-05	0.00E+00	1.33E-05	3.00E-05	0.00E+00
2698	441720.8	3767771	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.37E-04	0.00E+00	3.05E-05	7.45E-05	0.00E+00	1.33E-05	2.98E-05	0.00E+00
2699	441729.5	3767775	1.61E-04	2.99E-04	0.00E+00	1.82E-04	4.35E-04	0.00E+00	3.05E-05	7.42E-05	0.00E+00	1.33E-05	2.97E-05	0.00E+00
2700	441738.1	3767778	1.61E-04	2.98E-04	0.00E+00	1.82E-04	4.33E-04	0.00E+00	3.05E-05	7.39E-05	0.00E+00	1.33E-05	2.96E-05	0.00E+00
2701	441746.7	3767782	1.61E-04	2.97E-04	0.00E+00	1.82E-04	4.31E-04	0.00E+00	3.05E-05	7.35E-05	0.00E+00	1.33E-05	2.95E-05	0.00E+00
2702	441755.3	3767785	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.31E-04	0.00E+00	3.05E-05	7.34E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
2703	441763.9	3767789	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.30E-04	0.00E+00	3.05E-05	7.34E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
2704	441772.6	3767792	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.30E-04	0.00E+00	3.05E-05	7.34E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
2705	441781.2	3767796	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.30E-04	0.00E+00	3.05E-05	7.33E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
2706	441789.8	3767800	1.61E-04	2.95E-04	0.00E+00	1.82E-04	4.28E-04	0.00E+00	3.05E-05	7.30E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
2707	441798.4	3767803	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.27E-04	0.00E+00	3.05E-05	7.27E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
2708	441807.1	3767807	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.25E-04	0.00E+00	3.05E-05	7.25E-05	0.00E+00	1.33E-05	2.90E-05	0.00E+00
2709	441815.7	3767810	1.61E-04	2.91E-04	0.00E+00	1.82E-04	4.23E-04	0.00E+00	3.05E-05	7.22E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
2710	441824.3	3767814	1.61E-04	2.90E-04	0.00E+00	1.82E-04	4.21E-04	0.00E+00	3.05E-05	7.18E-05	0.00E+00	1.33E-05	2.88E-05	0.00E+00
2711	441832.9	3767817	1.61E-04	2.88E-04	0.00E+00	1.82E-04	4.19E-04	0.00E+00	3.05E-05	7.15E-05	0.00E+00	1.33E-05	2.86E-05	0.00E+00
2712	441841.5	3767821	1.61E-04	2.87E-04	0.00E+00	1.82E-04	4.17E-04	0.00E+00	3.05E-05	7.11E-05	0.00E+00	1.33E-05	2.85E-05	0.00E+00
2713	441850.2	3767825	1.61E-04	2.85E-04	0.00E+00	1.82E-04	4.14E-04	0.00E+00	3.05E-05	7.06E-05	0.00E+00	1.33E-05	2.83E-05	0.00E+00
2714	441858.8	3767828	1.61E-04	2.83E-04	0.00E+00	1.82E-04	4.11E-04	0.00E+00	3.05E-05	7.01E-05	0.00E+00	1.33E-05	2.81E-05	0.00E+00
2715	441867.4	3767832	1.61E-04	2.81E-04	0.00E+00	1.82E-04	4.08E-04	0.00E+00	3.05E-05	6.96E-05	0.00E+00	1.33E-05	2.79E-05	0.00E+00
2716	441876	3767835	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.06E-04	0.00E+00	3.05E-05	6.92E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
2717	441884.6	3767839	1.61E-04	2.78E-04	0.00E+00	1.82E-04	4.04E-04	0.00E+00	3.05E-05	6.88E-05	0.00E+00	1.33E-05	2.76E-05	0.00E+00
2718	441893.3	3767842	1.61E-04	2.76E-04	0.00E+00	1.82E-04	4.01E-04	0.00E+00	3.05E-05	6.84E-05	0.00E+00	1.33E-05	2.74E-05	0.00E+00
2719	441901.9	3767846	1.61E-04	2.75E-04	0.00E+00	1.82E-04	3.99E-04	0.00E+00	3.05E-05	6.80E-05	0.00E+00	1.33E-05	2.73E-05	0.00E+00
2720	441910.5	3767850	1.61E-04	2.72E-04	0.00E+00	1.82E-04	3.96E-04	0.00E+00	3.05E-05	6.75E-05	0.00E+00	1.33E-05	2.70E-05	0.00E+00
2721	441919.1	3767853	1.61E-04	2.70E-04	0.00E+00	1.82E-04	3.92E-04	0.00E+00	3.05E-05	6.69E-05	0.00E+00	1.33E-05	2.68E-05	0.00E+00
2722	441927.8	3767857	1.61E-04	2.67E-04	0.00E+00	1.82E-04	3.88E-04	0.00E+00	3.05E-05	6.62E-05	0.00E+00	1.33E-05	2.65E-05	0.00E+00
2723	441936.4	3767860	1.61E-04	2.64E-04	0.00E+00	1.82E-04	3.84E-04	0.00E+00	3.05E-05	6.55E-05	0.00E+00	1.33E-05	2.63E-05	0.00E+00
2724	441945	3767864	1.61E-04	2.62E-04	0.00E+00	1.82E-04	3.80E-04	0.00E+00	3.05E-05	6.48E-05	0.00E+00	1.33E-05	2.60E-05	0.00E+00
2725	441953.6	3767867	1.61E-04	2.59E-04	0.00E+00	1.82E-04	3.76E-04	0.00E+00	3.05E-05	6.41E-05	0.00E+00	1.33E-05	2.57E-05	0.00E+00
2726	442005.4	3767889	1.61E-04	2.45E-04	0.00E+00	1.82E-04	3.56E-04	0.00E+00	3.05E-05	6.08E-05	0.00E+00	1.33E-05	2.43E-05	0.00E+00
2727	442014	3767892	1.61E-04	2.43E-04	0.00E+00	1.82E-04	3.54E-04	0.00E+00	3.05E-05	6.03E-05	0.00E+00	1.33E-05	2.41E-05	0.00E+00
2728	442022.6	3767896	1.61E-04	2.41E-04	0.00E+00	1.82E-04	3.50E-04	0.00E+00	3.05E-05	5.97E-05	0.00E+00	1.33E-05	2.39E-05	0.00E+00
2729	442031.2	3767900	1.61E-04	2.38E-04	0.00E+00	1.82E-04	3.46E-04	0.00E+00	3.05E-05	5.90E-05	0.00E+00	1.33E-05	2.36E-05	0.00E+00
2730	442039.8	3767903	1.61E-04	2.35E-04	0.00E+00	1.82E-04	3.42E-04	0.00E+00	3.05E-05	5.83E-05	0.00E+00	1.33E-05	2.34E-05	0.00E+00
2731	442048.5	3767907	1.61E-04	2.32E-04	0.00E+00	1.82E-04	3.38E-04	0.00E+00	3.05E-05	5.76E-05	0.00E+00	1.33E-05	2.31E-05	0.00E+00
2732	442057.1	3767910	1.61E-04	2.30E-04	0.00E+00	1.82E-04	3.34E-04	0.00E+00	3.05E-05	5.69E-05	0.00E+00	1.33E-05	2.28E-05	0.00E+00
2733	442065.7	3767914	1.61E-04	2.28E-04	0.00E+00	1.82E-04	3.31E-04	0.00E+00	3.05E-05	5.65E-05	0.00E+00	1.33E-05	2.26E-05	0.00E+00
2734	442074.3	3767917	1.61E-04	2.26E-04	0.00E+00	1.82E-04	3.28E-04	0.00E+00	3.05E-05	5.60E-05	0.00E+00	1.33E-05	2.24E-05	0.00E+00
2735	442082.9	3767921	1.61E-04	2.24E-04	0.00E+00	1.82E-04	3.26E-04	0.00E+00	3.05E-05	5.56E-05	0.00E+00	1.33E-05	2.23E-05	0.00E+00
2736	442091.6	3767925	1.61E-04	2.23E-04	0.00E+00	1.82E-04	3.24E-04	0.00E+00	3.05E-05	5.52E-05	0.00E+00	1.33E-05	2.21E-05	0.00E+00
2737	442103.8	3767937	1.61E-04	2.22E-04	0.00E+00	1.82E-04	3.23E-04	0.00E+00	3.05E-05	5.51E-05	0.00E+00	1.33E-05	2.21E-05	0.00E+00
2738	442107.4	3767945	1.61E-04	2.24E-04	0.00E+00	1.82E-04	3.26E-04	0.00E+00	3.05E-05	5.56E-05	0.00E+00	1.33E-05	2.23E-05	0.00E+00
2739	442111.1	3767954	1.61E-04	2.27E-04	0.00E+00	1.82E-04	3.29E-04	0.00E+00	3.05E-05	5.62E-05	0.00E+00	1.33E-05	2.25E-05	0.00E+00
2740	442114.7	3767963	1.61E-04	2.29E-04	0.00E+00	1.82E-04	3.33E-04	0.00E+00	3.05E-05	5.67E-05	0.00E+00	1.33E-05	2.27E-05	0.00E+00
2741	442118.3	3767971	1.61E-04	2.31E-04	0.00E+00	1.82E-04	3.36E-04	0.00E+00	3.05E-05	5.72E-05	0.00E+00	1.33E-05	2.29E-05	0.00E+00
2742	442121.9	3767980	1.61E-04	2.32E-04	0.00E+00	1.82E-04	3.38E-04	0.00E+00	3.05E-05	5.76E-05	0.00E+00	1.33E-05	2.31E-05	0.00E+00
2743	442125.6	3767988	1.61E-04	2.34E-04	0.00E+00	1.82E-04	3.40E-04	0.00E+00	3.05E-05	5.79E-05	0.00E+00	1.33E-05	2.32E-05	0.00E+00
2744	442129.2	3767997	1.61E-04	2.35E-04	0.00E+00	1.82E-04	3.42E-04	0.00E+00	3.05E-05	5.83E-05	0.00E+00	1.33E-05	2.33E-05	0.00E+00
2745	442132.8	3768006	1.61E-04	2.37E-04	0.00E+00	1.82E-04	3.44E-04	0.00E+00	3.05E-05	5.86E-05	0.00E+00	1.33E-05	2.35E-05	0.00E+00
2746	442136.4	3768014	1.61E-04	2.38E-04	0.00E+00	1.82E-04	3.46E-04	0.00E+00	3.05E-05	5.90E-05	0.00E+00	1.33E-05	2.36E-05	0.00E+00
2747	442140.1	3768023	1.61E-04	2.40E-04	0.00E+00	1.82E-04	3.49E-04	0.00E+00	3.05E-05	5.94E-05	0.00E+00	1.33E-05	2.38E-05	0.00E+00
2748	442143.7	3768031	1.61E-04	2.41E-04	0.00E+00	1.82E-04	3.51E-04	0.00E+00	3.05E-05	5.98E-05	0.00E+00	1.33E-05	2.40E-05	0.00E+00
2749	442147.3	3768040	1.61E-04	2.42E-04	0.00E+00	1.82E-04	3.52E-04	0.00E+00	3.05E-05	6.00E-05	0.00E+00	1.33E-05	2.40E-05	0.00E+00
2750	442150.9	3768049	1.61E-04	2.43E-04	0.00E+00	1.82E-04	3.53E-04	0.00E+00	3.05E-05	6.02E-05	0.00E+00	1.33E-05	2.41E-05	0.00E+00
2751	442154.6	3768057	1.61E-04	2.44E-04	0.00E+00	1.82E-04	3.55E-04	0.00E+00	3.05E-05	6.05E-05	0.00E+00	1.33E-05	2.42E-05	0.00E+00
2752	442158.2	3768066	1.61E-04	2.46E-04	0.00E+00	1.82E-04	3.57E-04	0.00E+00	3.05E-05	6.08E-05	0.00E+00	1.33E-05	2.44E-05	0.00E+00
2753	442161.8	3768074	1.61E-04	2.47E-04	0.00E+00	1.82E-04	3.59E-04	0.00E+00	3.05E-05	6.12E-05	0.00E+00	1.33E-05	2.45E-05	0.00E+00
2754	442165.4	3768083	1.61E-04	2.48E-04	0.00E+00	1.82E-04	3.61E-04	0.00E+00	3.05E-05	6.16E-05	0.00E+00	1.33E-05	2.47E-05	0.00E+00
2755	442179.9	3768117	1.61E-04	2.57E-04	0.00E+00	1.82E-04	3.73E-04	0.00E+00	3.05E-05	6.36E-05	0.00E+00	1.33E-05	2.55E-05	0.00E+00
2756	442183.5	3768126	1.61E-04	2.59E-04	0.00E+00	1.82E-04	3.76E-04	0.00E+00	3.05E-05	6.42E-05	0.00E+00	1.33E-05	2.57E-05	0.00E+00
2757	442187.2	3768135	1.61E-04	2.61E-04	0.00E+00	1.82E-04	3.80E-04	0.00E+00	3.05E-05	6.48E-05	0.00E+00	1.33E-05	2.59E-05	0.00E+00
2758	442190.8	3768143	1.61E-04	2.64E-04	0.00E+00	1.82E-04	3.84E-04	0.00E+00	3.05E-05	6.54E-05	0.00E+00	1.33E-05	2.62E-05	0.00E+00
2759	442194.4	3768152	1.61E-04	2.67E-04	0.00E+00	1.82E-04	3.88E-04	0.00E+00	3.05E-05	6.61E-05	0.00E+00	1.33E-05	2.65E-05	0.00E+00
2760	442198	3768160	1.61E-04	2.69E-04	0.00E+00	1.82E-04	3.91E-04	0.00E+00	3.05E-05	6.67E-05	0.00E+00	1.33E-05	2.67E-05	0.00E+00
2761	442201.7	3768169	1.61E-04	2.72E-04	0.00E+00	1.82E-04	3.95E-04	0.00E+00	3.05E-05	6.73E-05	0.00E+00	1.33E-05	2.70E-05	0.00E+00
2762	442205.3	3768178	1.61E-04	2.74E-04	0.00E+00	1.82E-04	3.98E-04	0.00E+00	3.05E-05	6.79E-05	0.00E+00	1.33E-05	2.72E-05	0.00E+00
2763	442208.9	3768186	1.61E-04	2.77E-04	0.00E+00	1.82E-04	4.02E-04	0.00E+00	3.05E-05	6.85E-05	0.00E+00	1.33E-05	2.75E-05	0.00E+00
2764	442212.5	3768195	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.06E-04	0.00E+00	3.05E-05	6.92E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
2765	442216.2	3768203	1.61E-04	2.82E-04	0.00E+00	1.82E-04	4.10E-04	0.00E+00	3.05E-05	6.98E-05	0.00E+00	1.33E-05	2.80E-05	0.00E+00
2766	442219.8	3768212	1.61E-04	2.85E-04	0.00E+00	1.82E-04	4.14E-04	0.00E+00	3.05E-05	7.06E-05	0.00E+00	1.33E-05	2.83E-05	0.00E+00
2767	442223.4	3768221	1.61E-04	2.89E-04	0.00E+00	1.82E-04	4.19E-04	0.00E+00	3.05E-05	7.15E-05	0.00E+00	1.33E-05	2.86E-05	0.00E+00
2768	442227	3768229	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.25E-04	0.00E+00	3.05E-05	7.24E-05	0.00E+00	1.33E-05	2.90E-05	0.00E+00
2769	442230.7	3768238	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.31E-04	0.00E+00	3.05E-05	7.34E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
2770	442234.3	3768246	1.61E-04	3.01E-04	0.00E+00	1.82E-04	4.37E-04	0.00E+00	3.05E-05	7.46E-05	0.00E+00	1.33E-05	2.99E-05	0.00E+00
2771	442237.9	3768255	1.61E-04	3.06E-04	0.00E+00	1.82E-04	4.45E-04	0.00E+00	3.05E-05	7.58E-05	0.00E+00	1.33E-05	3.04E-05	0.00E+00
2772	442241.5	3768264	1.61E-04	3.11E-04	0.00E+00	1.82E-04	4.52E-04	0.00E+00	3.05E-05	7.71E-05	0.00E+00	1.33E-05	3.09E-05	0.00E+00
2773	442245.2	3768272	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.59E-04	0.00E+00	3.05E-05	7.83E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
2774	442248.8	3768281	1.61E-04	3.21E-04	0.00E+00	1.82E-04	4.66E-04	0.00E+00	3.05E-05	7.95E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
2775	442252.4	3768289	1.61E-04	3.26E-04	0.00E+00	1.82E-04	4.73E-04	0.00E+00	3.05E-05	8.07E-05	0.00E+00	1.33E-05	3.23E-05	0.00E+00
2776	442256	3768298	1.61E-04	3.31E-04	0.00E+00	1.82E-04	4.81E-04	0.00E+00	3.05E-05	8.20E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
2777	442259.7	3768307	1.61E-04	3.35E-04	0.00E+00	1.82E-04	4.88E-04	0.00E+00	3.05E-05	8.31E-05	0.00E+00	1.33E-05	3.33E-05	0.00E+00
2778	442263.3	3768315	1.61E-04	3.39E-04	0.00E+00	1.82E-04	4.93E-04	0.00E+00	3.05E-05	8.41E-05	0.00E+00	1.33E-05	3.37E-05	0.00E+00
2779	442266.9	3768324	1.61E-04	3.44E-04	0.00E+00	1.82E-04	4.99E-04	0.00E+00	3.05E-05	8.51E-05	0.00E+00	1.33E-05	3.41E-05	0.00E+00
2780	442270.5	3768332	1.61E-04	3.48E-04	0.00E+00	1.82E-04	5.05E-04	0.00E+00	3.05E-05	8.62E-05	0.00E+00	1.33E-05	3.45E-05	0.00E+00
2781	442274.2	3768341	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.13E-04	0.00E+00	3.05E-05	8.74E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00

2782	442277.8	3768350	1.61E-04	3.58E-04	0.00E+00	1.82E-04	5.21E-04	0.00E+00	3.05E-05	8.88E-05	0.00E+00	1.33E-05	3.56E-05	0.00E+00
2783	442317.6	3768444	1.61E-04	4.54E-04	0.00E+00	1.82E-04	6.60E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.51E-05	0.00E+00
2784	442321.3	3768453	1.61E-04	4.64E-04	0.00E+00	1.82E-04	6.74E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.60E-05	0.00E+00
2785	442324.9	3768461	1.61E-04	4.73E-04	0.00E+00	1.82E-04	6.87E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.69E-05	0.00E+00
2786	442328.5	3768470	1.61E-04	4.82E-04	0.00E+00	1.82E-04	7.00E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.78E-05	0.00E+00
2787	442332.1	3768479	1.61E-04	4.91E-04	0.00E+00	1.82E-04	7.13E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.87E-05	0.00E+00
2788	442335.8	3768487	1.61E-04	5.01E-04	0.00E+00	1.82E-04	7.28E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.97E-05	0.00E+00
2789	442339.4	3768496	1.61E-04	5.11E-04	0.00E+00	1.82E-04	7.43E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.08E-05	0.00E+00
2790	442343	3768504	1.61E-04	5.22E-04	0.00E+00	1.82E-04	7.59E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.19E-05	0.00E+00
2791	442346.6	3768513	1.61E-04	5.33E-04	0.00E+00	1.82E-04	7.75E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
2792	442350.3	3768522	1.61E-04	5.44E-04	0.00E+00	1.82E-04	7.91E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.40E-05	0.00E+00
2793	441496.7	3767678	1.61E-04	3.31E-04	0.00E+00	1.82E-04	4.81E-04	0.00E+00	3.05E-05	8.21E-05	0.00E+00	1.33E-05	3.29E-05	0.00E+00
2794	441487.3	3767678	1.61E-04	3.34E-04	0.00E+00	1.82E-04	4.85E-04	0.00E+00	3.05E-05	8.27E-05	0.00E+00	1.33E-05	3.31E-05	0.00E+00
2795	441477.9	3767678	1.61E-04	3.37E-04	0.00E+00	1.82E-04	4.89E-04	0.00E+00	3.05E-05	8.34E-05	0.00E+00	1.33E-05	3.34E-05	0.00E+00
2796	441468.5	3767678	1.61E-04	3.39E-04	0.00E+00	1.82E-04	4.93E-04	0.00E+00	3.05E-05	8.41E-05	0.00E+00	1.33E-05	3.37E-05	0.00E+00
2797	441459.1	3767678	1.61E-04	3.42E-04	0.00E+00	1.82E-04	4.97E-04	0.00E+00	3.05E-05	8.48E-05	0.00E+00	1.33E-05	3.40E-05	0.00E+00
2798	441449.7	3767678	1.61E-04	3.45E-04	0.00E+00	1.82E-04	5.01E-04	0.00E+00	3.05E-05	8.55E-05	0.00E+00	1.33E-05	3.42E-05	0.00E+00
2799	441440.3	3767678	1.61E-04	3.48E-04	0.00E+00	1.82E-04	5.06E-04	0.00E+00	3.05E-05	8.63E-05	0.00E+00	1.33E-05	3.46E-05	0.00E+00
2800	441430.9	3767678	1.61E-04	3.51E-04	0.00E+00	1.82E-04	5.11E-04	0.00E+00	3.05E-05	8.71E-05	0.00E+00	1.33E-05	3.49E-05	0.00E+00
2801	441421.5	3767678	1.61E-04	3.55E-04	0.00E+00	1.82E-04	5.16E-04	0.00E+00	3.05E-05	8.79E-05	0.00E+00	1.33E-05	3.52E-05	0.00E+00
2802	441412.1	3767678	1.61E-04	3.59E-04	0.00E+00	1.82E-04	5.21E-04	0.00E+00	3.05E-05	8.89E-05	0.00E+00	1.33E-05	3.56E-05	0.00E+00
2803	441505.5	3767642	1.61E-04	3.08E-04	0.00E+00	1.82E-04	4.47E-04	0.00E+00	3.05E-05	7.63E-05	0.00E+00	1.33E-05	3.06E-05	0.00E+00
2804	441514.1	3767645	1.61E-04	3.07E-04	0.00E+00	1.82E-04	4.46E-04	0.00E+00	3.05E-05	7.61E-05	0.00E+00	1.33E-05	3.05E-05	0.00E+00
2805	441522.8	3767649	1.61E-04	3.06E-04	0.00E+00	1.82E-04	4.45E-04	0.00E+00	3.05E-05	7.59E-05	0.00E+00	1.33E-05	3.04E-05	0.00E+00
2806	441531.4	3767652	1.61E-04	3.05E-04	0.00E+00	1.82E-04	4.44E-04	0.00E+00	3.05E-05	7.57E-05	0.00E+00	1.33E-05	3.03E-05	0.00E+00
2807	441540.1	3767656	1.61E-04	3.04E-04	0.00E+00	1.82E-04	4.42E-04	0.00E+00	3.05E-05	7.54E-05	0.00E+00	1.33E-05	3.02E-05	0.00E+00
2808	441548.7	3767660	1.61E-04	3.03E-04	0.00E+00	1.82E-04	4.40E-04	0.00E+00	3.05E-05	7.51E-05	0.00E+00	1.33E-05	3.01E-05	0.00E+00
2809	441557.4	3767663	1.61E-04	3.01E-04	0.00E+00	1.82E-04	4.38E-04	0.00E+00	3.05E-05	7.47E-05	0.00E+00	1.33E-05	2.99E-05	0.00E+00
2810	441566	3767667	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.36E-04	0.00E+00	3.05E-05	7.43E-05	0.00E+00	1.33E-05	2.97E-05	0.00E+00
2811	441592	3767678	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.30E-04	0.00E+00	3.05E-05	7.33E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
2812	441600.6	3767681	1.61E-04	2.95E-04	0.00E+00	1.82E-04	4.29E-04	0.00E+00	3.05E-05	7.31E-05	0.00E+00	1.33E-05	2.93E-05	0.00E+00
2813	441609.3	3767685	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.28E-04	0.00E+00	3.05E-05	7.29E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
2814	441617.9	3767688	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.27E-04	0.00E+00	3.05E-05	7.27E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
2815	441626.6	3767692	1.61E-04	2.93E-04	0.00E+00	1.82E-04	4.26E-04	0.00E+00	3.05E-05	7.26E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
2816	441635.2	3767695	1.61E-04	2.93E-04	0.00E+00	1.82E-04	4.26E-04	0.00E+00	3.05E-05	7.26E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
2817	441643.9	3767699	1.61E-04	2.93E-04	0.00E+00	1.82E-04	4.26E-04	0.00E+00	3.05E-05	7.27E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
2818	441652.5	3767703	1.61E-04	2.93E-04	0.00E+00	1.82E-04	4.26E-04	0.00E+00	3.05E-05	7.27E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
2819	441661.2	3767706	1.61E-04	2.93E-04	0.00E+00	1.82E-04	4.25E-04	0.00E+00	3.05E-05	7.25E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
2820	441669.8	3767710	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.25E-04	0.00E+00	3.05E-05	7.24E-05	0.00E+00	1.33E-05	2.90E-05	0.00E+00
2821	441678.5	3767713	1.61E-04	2.91E-04	0.00E+00	1.82E-04	4.24E-04	0.00E+00	3.05E-05	7.22E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
2822	441687.1	3767717	1.61E-04	2.91E-04	0.00E+00	1.82E-04	4.23E-04	0.00E+00	3.05E-05	7.20E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
2823	441695.8	3767721	1.61E-04	2.90E-04	0.00E+00	1.82E-04	4.21E-04	0.00E+00	3.05E-05	7.18E-05	0.00E+00	1.33E-05	2.88E-05	0.00E+00
2824	441704.4	3767724	1.61E-04	2.89E-04	0.00E+00	1.82E-04	4.20E-04	0.00E+00	3.05E-05	7.16E-05	0.00E+00	1.33E-05	2.87E-05	0.00E+00
2825	441713.1	3767728	1.61E-04	2.88E-04	0.00E+00	1.82E-04	4.18E-04	0.00E+00	3.05E-05	7.13E-05	0.00E+00	1.33E-05	2.86E-05	0.00E+00
2826	441721.7	3767731	1.61E-04	2.87E-04	0.00E+00	1.82E-04	4.17E-04	0.00E+00	3.05E-05	7.10E-05	0.00E+00	1.33E-05	2.84E-05	0.00E+00
2827	441730.4	3767735	1.61E-04	2.85E-04	0.00E+00	1.82E-04	4.15E-04	0.00E+00	3.05E-05	7.07E-05	0.00E+00	1.33E-05	2.83E-05	0.00E+00
2828	441739.1	3767739	1.61E-04	2.84E-04	0.00E+00	1.82E-04	4.13E-04	0.00E+00	3.05E-05	7.03E-05	0.00E+00	1.33E-05	2.82E-05	0.00E+00
2829	441747.7	3767742	1.61E-04	2.82E-04	0.00E+00	1.82E-04	4.11E-04	0.00E+00	3.05E-05	7.00E-05	0.00E+00	1.33E-05	2.80E-05	0.00E+00
2830	441756.4	3767746	1.61E-04	2.81E-04	0.00E+00	1.82E-04	4.09E-04	0.00E+00	3.05E-05	6.97E-05	0.00E+00	1.33E-05	2.79E-05	0.00E+00
2831	441765	3767749	1.61E-04	2.80E-04	0.00E+00	1.82E-04	4.07E-04	0.00E+00	3.05E-05	6.94E-05	0.00E+00	1.33E-05	2.78E-05	0.00E+00
2832	441773.7	3767753	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.06E-04	0.00E+00	3.05E-05	6.92E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
2833	441782.3	3767756	1.61E-04	2.78E-04	0.00E+00	1.82E-04	4.04E-04	0.00E+00	3.05E-05	6.89E-05	0.00E+00	1.33E-05	2.76E-05	0.00E+00
2834	441791	3767760	1.61E-04	2.77E-04	0.00E+00	1.82E-04	4.02E-04	0.00E+00	3.05E-05	6.86E-05	0.00E+00	1.33E-05	2.75E-05	0.00E+00
2835	441799.6	3767764	1.61E-04	2.76E-04	0.00E+00	1.82E-04	4.01E-04	0.00E+00	3.05E-05	6.84E-05	0.00E+00	1.33E-05	2.74E-05	0.00E+00
2836	441808.3	3767767	1.61E-04	2.75E-04	0.00E+00	1.82E-04	4.00E-04	0.00E+00	3.05E-05	6.82E-05	0.00E+00	1.33E-05	2.73E-05	0.00E+00
2837	441816.9	3767771	1.61E-04	2.74E-04	0.00E+00	1.82E-04	3.98E-04	0.00E+00	3.05E-05	6.79E-05	0.00E+00	1.33E-05	2.72E-05	0.00E+00
2838	441825.6	3767774	1.61E-04	2.73E-04	0.00E+00	1.82E-04	3.96E-04	0.00E+00	3.05E-05	6.76E-05	0.00E+00	1.33E-05	2.71E-05	0.00E+00
2839	441834.2	3767778	1.61E-04	2.71E-04	0.00E+00	1.82E-04	3.94E-04	0.00E+00	3.05E-05	6.73E-05	0.00E+00	1.33E-05	2.69E-05	0.00E+00
2840	441842.9	3767782	1.61E-04	2.70E-04	0.00E+00	1.82E-04	3.93E-04	0.00E+00	3.05E-05	6.69E-05	0.00E+00	1.33E-05	2.68E-05	0.00E+00
2841	441851.5	3767785	1.61E-04	2.69E-04	0.00E+00	1.82E-04	3.91E-04	0.00E+00	3.05E-05	6.66E-05	0.00E+00	1.33E-05	2.67E-05	0.00E+00
2842	441860.2	3767789	1.61E-04	2.67E-04	0.00E+00	1.82E-04	3.88E-04	0.00E+00	3.05E-05	6.62E-05	0.00E+00	1.33E-05	2.65E-05	0.00E+00
2843	441868.8	3767792	1.61E-04	2.66E-04	0.00E+00	1.82E-04	3.86E-04	0.00E+00	3.05E-05	6.59E-05	0.00E+00	1.33E-05	2.64E-05	0.00E+00
2844	441877.5	3767796	1.61E-04	2.64E-04	0.00E+00	1.82E-04	3.84E-04	0.00E+00	3.05E-05	6.55E-05	0.00E+00	1.33E-05	2.62E-05	0.00E+00
2845	441886.1	3767799	1.61E-04	2.63E-04	0.00E+00	1.82E-04	3.82E-04	0.00E+00	3.05E-05	6.51E-05	0.00E+00	1.33E-05	2.61E-05	0.00E+00
2846	441894.8	3767803	1.61E-04	2.61E-04	0.00E+00	1.82E-04	3.80E-04	0.00E+00	3.05E-05	6.48E-05	0.00E+00	1.33E-05	2.60E-05	0.00E+00
2847	441903.4	3767807	1.61E-04	2.60E-04	0.00E+00	1.82E-04	3.78E-04	0.00E+00	3.05E-05	6.44E-05	0.00E+00	1.33E-05	2.58E-05	0.00E+00
2848	441912.1	3767810	1.61E-04	2.58E-04	0.00E+00	1.82E-04	3.75E-04	0.00E+00	3.05E-05	6.40E-05	0.00E+00	1.33E-05	2.56E-05	0.00E+00
2849	441920.7	3767814	1.61E-04	2.56E-04	0.00E+00	1.82E-04	3.73E-04	0.00E+00	3.05E-05	6.36E-05	0.00E+00	1.33E-05	2.55E-05	0.00E+00
2850	441929.4	3767817	1.61E-04	2.55E-04	0.00E+00	1.82E-04	3.70E-04	0.00E+00	3.05E-05	6.31E-05	0.00E+00	1.33E-05	2.53E-05	0.00E+00
2851	441938	3767821	1.61E-04	2.53E-04	0.00E+00	1.82E-04	3.68E-04	0.00E+00	3.05E-05	6.27E-05	0.00E+00	1.33E-05	2.51E-05	0.00E+00
2852	441946.7	3767825	1.61E-04	2.51E-04	0.00E+00	1.82E-04	3.65E-04	0.00E+00	3.05E-05	6.23E-05	0.00E+00	1.33E-05	2.50E-05	0.00E+00
2853	441955.4	3767828	1.61E-04	2.50E-04	0.00E+00	1.82E-04	3.63E-04	0.00E+00	3.05E-05	6.19E-05	0.00E+00	1.33E-05	2.48E-05	0.00E+00
2854	441998.6	3767846	1.61E-04	2.39E-04	0.00E+00	1.82E-04	3.47E-04	0.00E+00	3.05E-05	5.92E-05	0.00E+00	1.33E-05	2.37E-05	0.00E+00
2855	442007.3	3767850	1.61E-04	2.37E-04	0.00E+00	1.82E-04	3.45E-04	0.00E+00	3.05E-05	5.88E-05	0.00E+00	1.33E-05	2.36E-05	0.00E+00
2856	442015.9	3767853	1.61E-04	2.36E-04	0.00E+00	1.82E-04	3.42E-04	0.00E+00	3.05E-05	5.84E-05	0.00E+00	1.33E-05	2.34E-05	0.00E+00
2857	442024.6	3767857	1.61E-04	2.34E-04	0.00E+00	1.82E-04	3.40E-04	0.00E+00	3.05E-05	5.79E-05	0.00E+00	1.33E-05	2.32E-05	0.00E+00
2858	442033.2	3767860	1.61E-04	2.32E-04	0.00E+00	1.82E-04	3.37E-04	0.00E+00	3.05E-05	5.74E-05	0.00E+00	1.33E-05	2.30E-05	0.00E+00
2859	442041.9	3767864	1.61E-04	2.29E-04	0.00E+00	1.82E-04	3.34E-04	0.00E+00	3.05E-05	5.69E-05	0.00E+00	1.33E-05	2.28E-05	0.00E+00
2860	442050.5	3767868	1.61E-04	2.27E-04	0.00E+00	1.82E-04	3.30E-04	0.00E+00	3.05E-05	5.63E-05	0.00E+00	1.33E-05	2.26E-05	0.00E+00
2861	442059.2	3767871	1.61E-04	2.25E-04	0.00E+00	1.82E-04	3.27E-04	0.00E+00	3.05E-05	5.58E-05	0.00E+00	1.33E-05	2.23E-05	0.00E+00
2862	442067.8	3767875	1.61E-04	2.23E-04	0.00E+00	1.82E-04	3.24E-04	0.00E+00	3.05E-05	5.52E-05	0.00E+00	1.33E-05	2.21E-05	0.00E+00
2863	442076.5	3767878	1.61E-04	2.21E-04	0.00E+00	1.82E-04	3.21E-04	0.00E+00	3.05E-05	5.47E-05	0.00E+00	1.33E-05	2.19E-05	0.00E+00
2864	442085.1	3767882	1.61E-04	2.18E-04	0.00E+00	1.82E-04	3.17E-04	0.00E+00	3.05E-05	5.41E-05	0.00E+00	1.33E-05	2.17E-05	0.00E+00
2865	442093.8	3767885	1.61E-04	2.16E-04	0.00E+00	1.82E-04	3.15E-04	0.00E+00	3.05E-05	5.36E-05	0.00E+00	1.33E-05	2.15E-05	0.00E+00
2866	442102.4	3767889	1.61E-04	2.15E-04	0.00E+00	1.82E-04	3.12E-04	0.00E+00	3.05E-05	5.32E-05	0.00E+00	1.33E-05	2.13E-05	0.00E+00
2867	442111.1	3767893	1.61E-04	2.13E-04	0.00E+00	1.82E-04	3.09E-04	0.00E+00	3.05E-05	5.27E-05	0.00E+00	1.33E-05	2.11E-05	0.00E+00
2868	442119.7	3767896	1.61E-04	2.11E-04	0.00E+00	1.82E-04	3.07E-04	0.00E+00	3.05E-05	5.24E-05	0.00E+00	1.33E-05	2.10E-05	0.00E+00
2869	442132	3767908	1.61E-04	2.11E-04	0.00E+00	1.82E-04	3.06E-04	0.00E+00	3.05E-05	5.22E-05	0.00E+00	1.33E-05	2.09E-05	0.00E+00
2870	442135.7	3767917	1.61E-04	2.12E-04	0.00E+00	1.82E-04	3.08E-04	0.00E+00	3.05E-05	5.25E-05	0.00E+00	1.33E-05	2.10E-05	0.00E+00
2871	442139.3	3767926	1.61E-04	2.13E-04	0.00E+00	1.82E-04	3.09E-04	0.00E+00	3.05E-05	5.27E-05	0.00E+00	1.33E-05	2.11E-05	0.00E+00
2872	442142.9	3767934	1.61E-04	2.14E-04	0.00E+00	1.82E-04	3.11E-04	0.00E+00	3.05E-05	5.30E-05	0.00E+00	1.33E-05	2.12E-05	0.00E+00
2873	442146.6	3767943	1.61E-04	2.15E-04	0.00E+00	1.82E-04	3.12E-04	0.00E+00	3.05E-05	5.33E-05	0.00E+00	1.33E-05	2.13E-05	0.00E+00
2874	442150.2	3767952	1.61E-04	2.17E-04	0.00E+00	1.82E-04	3.15E-04	0.00E+00	3.05E-05	5.37E-05	0.00E+00	1.33E-05	2.15E-05	0.00E+00
2875	442153.8	3767960	1.61E-04	2.18E-04	0.00E+00	1.82E-04	3.18E-04	0.00E+00	3.05E-05	5.41E-05	0.00E+00	1.33E-05	2.17E-05	0.00E+00
2876	442157.5	3767969	1.61E-04	2.20E-04	0.00E+00	1.82E-04	3.20E-04	0.00E+00	3.05E-05	5.46E-05	0.00E+00	1.33E-05	2.19E-05	0.00E+00
2877	442161.1	3767977	1.61E-04	2.22E-04	0.00E+00	1.82E-04	3.22E-04	0.00E+00	3.05E-05	5.50E-05	0.00E+00	1.33E-05	2.20E-05	0.00E+00

2878	442164.8	3767986	1.61E-04	2.23E-04	0.00E+00	1.82E-04	3.25E-04	0.00E+00	3.05E-05	5.54E-05	0.00E+00	1.33E-05	2.22E-05	0.00E+00
2879	442168.4	3767995	1.61E-04	2.25E-04	0.00E+00	1.82E-04	3.27E-04	0.00E+00	3.05E-05	5.58E-05	0.00E+00	1.33E-05	2.23E-05	0.00E+00
2880	442172	3768003	1.61E-04	2.26E-04	0.00E+00	1.82E-04	3.29E-04	0.00E+00	3.05E-05	5.61E-05	0.00E+00	1.33E-05	2.25E-05	0.00E+00
2881	442175.7	3768012	1.61E-04	2.27E-04	0.00E+00	1.82E-04	3.30E-04	0.00E+00	3.05E-05	5.63E-05	0.00E+00	1.33E-05	2.25E-05	0.00E+00
2882	442179.3	3768021	1.61E-04	2.28E-04	0.00E+00	1.82E-04	3.31E-04	0.00E+00	3.05E-05	5.65E-05	0.00E+00	1.33E-05	2.26E-05	0.00E+00
2883	442182.9	3768029	1.61E-04	2.29E-04	0.00E+00	1.82E-04	3.33E-04	0.00E+00	3.05E-05	5.68E-05	0.00E+00	1.33E-05	2.27E-05	0.00E+00
2884	442186.6	3768038	1.61E-04	2.30E-04	0.00E+00	1.82E-04	3.34E-04	0.00E+00	3.05E-05	5.70E-05	0.00E+00	1.33E-05	2.28E-05	0.00E+00
2885	442190.2	3768047	1.61E-04	2.31E-04	0.00E+00	1.82E-04	3.36E-04	0.00E+00	3.05E-05	5.73E-05	0.00E+00	1.33E-05	2.29E-05	0.00E+00
2886	442193.9	3768055	1.61E-04	2.32E-04	0.00E+00	1.82E-04	3.37E-04	0.00E+00	3.05E-05	5.75E-05	0.00E+00	1.33E-05	2.30E-05	0.00E+00
2887	442197.5	3768064	1.61E-04	2.33E-04	0.00E+00	1.82E-04	3.39E-04	0.00E+00	3.05E-05	5.78E-05	0.00E+00	1.33E-05	2.32E-05	0.00E+00
2888	442201.1	3768072	1.61E-04	2.35E-04	0.00E+00	1.82E-04	3.41E-04	0.00E+00	3.05E-05	5.82E-05	0.00E+00	1.33E-05	2.33E-05	0.00E+00
2889	442204.8	3768081	1.61E-04	2.36E-04	0.00E+00	1.82E-04	3.43E-04	0.00E+00	3.05E-05	5.86E-05	0.00E+00	1.33E-05	2.35E-05	0.00E+00
2890	442208.4	3768090	1.61E-04	2.38E-04	0.00E+00	1.82E-04	3.46E-04	0.00E+00	3.05E-05	5.90E-05	0.00E+00	1.33E-05	2.36E-05	0.00E+00
2891	442219.3	3768116	1.61E-04	2.44E-04	0.00E+00	1.82E-04	3.55E-04	0.00E+00	3.05E-05	6.05E-05	0.00E+00	1.33E-05	2.42E-05	0.00E+00
2892	442222.9	3768124	1.61E-04	2.46E-04	0.00E+00	1.82E-04	3.58E-04	0.00E+00	3.05E-05	6.10E-05	0.00E+00	1.33E-05	2.44E-05	0.00E+00
2893	442226.6	3768133	1.61E-04	2.48E-04	0.00E+00	1.82E-04	3.61E-04	0.00E+00	3.05E-05	6.15E-05	0.00E+00	1.33E-05	2.46E-05	0.00E+00
2894	442230.2	3768141	1.61E-04	2.50E-04	0.00E+00	1.82E-04	3.64E-04	0.00E+00	3.05E-05	6.20E-05	0.00E+00	1.33E-05	2.48E-05	0.00E+00
2895	442233.9	3768150	1.61E-04	2.53E-04	0.00E+00	1.82E-04	3.67E-04	0.00E+00	3.05E-05	6.26E-05	0.00E+00	1.33E-05	2.51E-05	0.00E+00
2896	442237.5	3768159	1.61E-04	2.55E-04	0.00E+00	1.82E-04	3.71E-04	0.00E+00	3.05E-05	6.32E-05	0.00E+00	1.33E-05	2.53E-05	0.00E+00
2897	442241.1	3768167	1.61E-04	2.57E-04	0.00E+00	1.82E-04	3.74E-04	0.00E+00	3.05E-05	6.38E-05	0.00E+00	1.33E-05	2.56E-05	0.00E+00
2898	442244.8	3768176	1.61E-04	2.60E-04	0.00E+00	1.82E-04	3.78E-04	0.00E+00	3.05E-05	6.44E-05	0.00E+00	1.33E-05	2.58E-05	0.00E+00
2899	442248.4	3768185	1.61E-04	2.62E-04	0.00E+00	1.82E-04	3.81E-04	0.00E+00	3.05E-05	6.50E-05	0.00E+00	1.33E-05	2.60E-05	0.00E+00
2900	442252	3768193	1.61E-04	2.65E-04	0.00E+00	1.82E-04	3.86E-04	0.00E+00	3.05E-05	6.58E-05	0.00E+00	1.33E-05	2.63E-05	0.00E+00
2901	442255.7	3768202	1.61E-04	2.69E-04	0.00E+00	1.82E-04	3.90E-04	0.00E+00	3.05E-05	6.66E-05	0.00E+00	1.33E-05	2.67E-05	0.00E+00
2902	442259.3	3768210	1.61E-04	2.72E-04	0.00E+00	1.82E-04	3.96E-04	0.00E+00	3.05E-05	6.74E-05	0.00E+00	1.33E-05	2.70E-05	0.00E+00
2903	442263	3768219	1.61E-04	2.76E-04	0.00E+00	1.82E-04	4.01E-04	0.00E+00	3.05E-05	6.84E-05	0.00E+00	1.33E-05	2.74E-05	0.00E+00
2904	442266.6	3768228	1.61E-04	2.80E-04	0.00E+00	1.82E-04	4.07E-04	0.00E+00	3.05E-05	6.94E-05	0.00E+00	1.33E-05	2.78E-05	0.00E+00
2905	442270.2	3768236	1.61E-04	2.84E-04	0.00E+00	1.82E-04	4.13E-04	0.00E+00	3.05E-05	7.05E-05	0.00E+00	1.33E-05	2.82E-05	0.00E+00
2906	442273.9	3768245	1.61E-04	2.89E-04	0.00E+00	1.82E-04	4.20E-04	0.00E+00	3.05E-05	7.16E-05	0.00E+00	1.33E-05	2.87E-05	0.00E+00
2907	442277.5	3768254	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.27E-04	0.00E+00	3.05E-05	7.28E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
2908	442281.1	3768262	1.61E-04	2.99E-04	0.00E+00	1.82E-04	4.34E-04	0.00E+00	3.05E-05	7.40E-05	0.00E+00	1.33E-05	2.96E-05	0.00E+00
2909	442284.8	3768271	1.61E-04	3.04E-04	0.00E+00	1.82E-04	4.41E-04	0.00E+00	3.05E-05	7.52E-05	0.00E+00	1.33E-05	3.01E-05	0.00E+00
2910	442288.4	3768280	1.61E-04	3.08E-04	0.00E+00	1.82E-04	4.47E-04	0.00E+00	3.05E-05	7.63E-05	0.00E+00	1.33E-05	3.06E-05	0.00E+00
2911	442292.1	3768288	1.61E-04	3.12E-04	0.00E+00	1.82E-04	4.54E-04	0.00E+00	3.05E-05	7.74E-05	0.00E+00	1.33E-05	3.10E-05	0.00E+00
2912	442295.7	3768297	1.61E-04	3.17E-04	0.00E+00	1.82E-04	4.60E-04	0.00E+00	3.05E-05	7.85E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
2913	442299.3	3768305	1.61E-04	3.20E-04	0.00E+00	1.82E-04	4.66E-04	0.00E+00	3.05E-05	7.94E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
2914	442303	3768314	1.61E-04	3.24E-04	0.00E+00	1.82E-04	4.71E-04	0.00E+00	3.05E-05	8.02E-05	0.00E+00	1.33E-05	3.21E-05	0.00E+00
2915	442306.6	3768323	1.61E-04	3.27E-04	0.00E+00	1.82E-04	4.75E-04	0.00E+00	3.05E-05	8.10E-05	0.00E+00	1.33E-05	3.25E-05	0.00E+00
2916	442310.2	3768331	1.61E-04	3.31E-04	0.00E+00	1.82E-04	4.81E-04	0.00E+00	3.05E-05	8.19E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
2917	442313.9	3768340	1.61E-04	3.36E-04	0.00E+00	1.82E-04	4.88E-04	0.00E+00	3.05E-05	8.32E-05	0.00E+00	1.33E-05	3.33E-05	0.00E+00
2918	442353.9	3768435	1.61E-04	4.22E-04	0.00E+00	1.82E-04	6.13E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.19E-05	0.00E+00
2919	442357.5	3768444	1.61E-04	4.30E-04	0.00E+00	1.82E-04	6.26E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.27E-05	0.00E+00
2920	442361.2	3768452	1.61E-04	4.39E-04	0.00E+00	1.82E-04	6.38E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.36E-05	0.00E+00
2921	442364.8	3768461	1.61E-04	4.47E-04	0.00E+00	1.82E-04	6.50E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.44E-05	0.00E+00
2922	442368.4	3768469	1.61E-04	4.55E-04	0.00E+00	1.82E-04	6.62E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.52E-05	0.00E+00
2923	442372.1	3768478	1.61E-04	4.64E-04	0.00E+00	1.82E-04	6.74E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.61E-05	0.00E+00
2924	442375.7	3768487	1.61E-04	4.73E-04	0.00E+00	1.82E-04	6.88E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.70E-05	0.00E+00
2925	442379.3	3768495	1.61E-04	4.83E-04	0.00E+00	1.82E-04	7.03E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.80E-05	0.00E+00
2926	442383	3768504	1.61E-04	4.94E-04	0.00E+00	1.82E-04	7.18E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.90E-05	0.00E+00
2927	442386.6	3768513	1.61E-04	5.05E-04	0.00E+00	1.82E-04	7.34E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.01E-05	0.00E+00
2928	442390.2	3768521	1.61E-04	5.16E-04	0.00E+00	1.82E-04	7.51E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.13E-05	0.00E+00
2929	441496.8	3767638	1.61E-04	3.09E-04	0.00E+00	1.82E-04	4.49E-04	0.00E+00	3.05E-05	7.65E-05	0.00E+00	1.33E-05	3.06E-05	0.00E+00
2930	441487.4	3767638	1.61E-04	3.12E-04	0.00E+00	1.82E-04	4.53E-04	0.00E+00	3.05E-05	7.72E-05	0.00E+00	1.33E-05	3.09E-05	0.00E+00
2931	441478	3767638	1.61E-04	3.14E-04	0.00E+00	1.82E-04	4.57E-04	0.00E+00	3.05E-05	7.79E-05	0.00E+00	1.33E-05	3.12E-05	0.00E+00
2932	441468.6	3767638	1.61E-04	3.17E-04	0.00E+00	1.82E-04	4.61E-04	0.00E+00	3.05E-05	7.87E-05	0.00E+00	1.33E-05	3.15E-05	0.00E+00
2933	441459.2	3767638	1.61E-04	3.20E-04	0.00E+00	1.82E-04	4.66E-04	0.00E+00	3.05E-05	7.94E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
2934	441449.8	3767638	1.61E-04	3.23E-04	0.00E+00	1.82E-04	4.70E-04	0.00E+00	3.05E-05	8.02E-05	0.00E+00	1.33E-05	3.21E-05	0.00E+00
2935	441440.4	3767638	1.61E-04	3.27E-04	0.00E+00	1.82E-04	4.75E-04	0.00E+00	3.05E-05	8.10E-05	0.00E+00	1.33E-05	3.25E-05	0.00E+00
2936	441431.1	3767638	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.80E-04	0.00E+00	3.05E-05	8.19E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
2937	441421.7	3767638	1.61E-04	3.34E-04	0.00E+00	1.82E-04	4.86E-04	0.00E+00	3.05E-05	8.28E-05	0.00E+00	1.33E-05	3.32E-05	0.00E+00
2938	441412.3	3767638	1.61E-04	3.37E-04	0.00E+00	1.82E-04	4.90E-04	0.00E+00	3.05E-05	8.36E-05	0.00E+00	1.33E-05	3.35E-05	0.00E+00
2939	441389.3	3768548	1.61E-04	1.71E-02	0.00E+00	1.82E-04	2.48E-02	0.00E+00	3.05E-05	4.23E-03	0.00E+00	1.33E-05	1.69E-03	0.00E+00
2940	441389.3	3768558	1.61E-04	1.83E-02	0.00E+00	1.82E-04	2.66E-02	0.00E+00	3.05E-05	4.54E-03	0.00E+00	1.33E-05	1.82E-03	0.00E+00
2941	441389.2	3768567	1.61E-04	1.95E-02	0.00E+00	1.82E-04	2.84E-02	0.00E+00	3.05E-05	4.84E-03	0.00E+00	1.33E-05	1.94E-03	0.00E+00
2942	441389.2	3768577	1.61E-04	2.08E-02	0.00E+00	1.82E-04	3.03E-02	0.00E+00	3.05E-05	5.16E-03	0.00E+00	1.33E-05	2.07E-03	0.00E+00
2943	441389.1	3768587	1.61E-04	2.24E-02	0.00E+00	1.82E-04	3.25E-02	0.00E+00	3.05E-05	5.55E-03	0.00E+00	1.33E-05	2.22E-03	0.00E+00
2944	441389	3768597	1.61E-04	2.45E-02	0.00E+00	1.82E-04	3.56E-02	0.00E+00	3.05E-05	6.08E-03	0.00E+00	1.33E-05	2.43E-03	0.00E+00
2945	441389	3768607	1.61E-04	2.79E-02	0.00E+00	1.82E-04	4.05E-02	0.00E+00	3.05E-05	6.91E-03	0.00E+00	1.33E-05	2.77E-03	0.00E+00
2946	441388.9	3768617	1.61E-04	3.36E-02	0.00E+00	1.82E-04	4.88E-02	0.00E+00	3.05E-05	8.32E-03	0.00E+00	1.33E-05	3.33E-03	0.00E+00
2947	441369.3	3768548	1.61E-04	1.47E-02	0.00E+00	1.82E-04	2.13E-02	0.00E+00	3.05E-05	3.63E-03	0.00E+00	1.33E-05	1.46E-03	0.00E+00
2948	441369.3	3768557	1.61E-04	1.60E-02	0.00E+00	1.82E-04	2.32E-02	0.00E+00	3.05E-05	3.96E-03	0.00E+00	1.33E-05	1.59E-03	0.00E+00
2949	441369.2	3768567	1.61E-04	1.75E-02	0.00E+00	1.82E-04	2.55E-02	0.00E+00	3.05E-05	4.34E-03	0.00E+00	1.33E-05	1.74E-03	0.00E+00
2950	441369.2	3768577	1.61E-04	1.91E-02	0.00E+00	1.82E-04	2.78E-02	0.00E+00	3.05E-05	4.73E-03	0.00E+00	1.33E-05	1.90E-03	0.00E+00
2951	441369.1	3768587	1.61E-04	2.11E-02	0.00E+00	1.82E-04	3.06E-02	0.00E+00	3.05E-05	5.22E-03	0.00E+00	1.33E-05	2.09E-03	0.00E+00
2952	441369	3768597	1.61E-04	2.39E-02	0.00E+00	1.82E-04	3.47E-02	0.00E+00	3.05E-05	5.91E-03	0.00E+00	1.33E-05	2.37E-03	0.00E+00
2953	441369	3768607	1.61E-04	2.83E-02	0.00E+00	1.82E-04	4.12E-02	0.00E+00	3.05E-05	7.02E-03	0.00E+00	1.33E-05	2.81E-03	0.00E+00
2954	441349.4	3768538	1.61E-04	1.23E-02	0.00E+00	1.82E-04	1.78E-02	0.00E+00	3.05E-05	3.04E-03	0.00E+00	1.33E-05	1.22E-03	0.00E+00
2955	441349.3	3768547	1.61E-04	1.34E-02	0.00E+00	1.82E-04	1.95E-02	0.00E+00	3.05E-05	3.32E-03	0.00E+00	1.33E-05	1.33E-03	0.00E+00
2956	441349.3	3768557	1.61E-04	1.48E-02	0.00E+00	1.82E-04	2.15E-02	0.00E+00	3.05E-05	3.67E-03	0.00E+00	1.33E-05	1.47E-03	0.00E+00
2957	441349.2	3768567	1.61E-04	1.65E-02	0.00E+00	1.82E-04	2.40E-02	0.00E+00	3.05E-05	4.09E-03	0.00E+00	1.33E-05	1.64E-03	0.00E+00
2958	441349.2	3768577	1.61E-04	1.85E-02	0.00E+00	1.82E-04	2.68E-02	0.00E+00	3.05E-05	4.57E-03	0.00E+00	1.33E-05	1.83E-03	0.00E+00
2959	441349.1	3768587	1.61E-04	2.10E-02	0.00E+00	1.82E-04	3.05E-02	0.00E+00	3.05E-05	5.20E-03	0.00E+00	1.33E-05	2.08E-03	0.00E+00
2960	441349	3768597	1.61E-04	2.46E-02	0.00E+00	1.82E-04	3.57E-02	0.00E+00	3.05E-05	6.09E-03	0.00E+00	1.33E-05	2.44E-03	0.00E+00
2961	441349	3768607	1.61E-04	2.98E-02	0.00E+00	1.82E-04	4.33E-02	0.00E+00	3.05E-05	7.37E-03	0.00E+00	1.33E-05	2.95E-03	0.00E+00
2962	441329.3	3768547	1.61E-04	1.26E-02	0.00E+00	1.82E-04	1.84E-02	0.00E+00	3.05E-05	3.13E-03	0.00E+00	1.33E-05	1.26E-03	0.00E+00
2963	441329.3	3768557	1.61E-04	1.40E-02	0.00E+00	1.82E-04	2.04E-02	0.00E+00	3.05E-05	3.48E-03	0.00E+00	1.33E-05	1.39E-03	0.00E+00
2964	441329.2	3768567	1.61E-04	1.58E-02	0.00E+00	1.82E-04	2.30E-02	0.00E+00	3.05E-05	3.91E-03	0.00E+00	1.33E-05	1.57E-03	0.00E+00
2965	441329.2	3768577	1.61E-04	1.79E-02	0.00E+00	1.82E-04	2.61E-02	0.00E+00	3.05E-05	4.45E-03	0.00E+00	1.33E-05	1.78E-03	0.00E+00
2966	441329.1	3768587	1.61E-04	2.08E-02	0.00E+00	1.82E-04	3.02E-02	0.00E+00	3.05E-05	5.15E-03	0.00E+00	1.33E-05	2.06E-03	0.00E+00
2967	441329	3768597	1.61E-04	2.48E-02	0.00E+00	1.82E-04	3.61E-02	0.00E+00	3.05E-05	6.15E-03	0.00E+00	1.33E-05	2.46E-03	0.00E+00
2968	441329	3768607	1.61E-04	3.02E-02	0.00E+00	1.82E-04	4.39E-02	0.00E+00	3.05E-05	7.48E-03	0.00E+00	1.33E-05	3.00E-03	0.00E+00
2969	441309.4	3768537	1.61E-04	1.10E-02	0.00E+00	1.82E-04	1.60E-02	0.00E+00	3.05E-05	2.73E-03	0.00E+00	1.33E-05	1.09E-03	0.00E+00
2970	441309.3	3768547	1.61E-04	1.21E-02	0.00E+00	1.82E-04	1.76E-02	0.00E+00	3.05E-05	3.01E-03	0.00E+00	1.33E-05	1.20E-03	0.00E+00
2971	441309.3	3768557	1.61E-04	1.36E-02	0.00E+00	1.82E-04	1.97E-02	0.00E+00	3.05E-05	3.37E-03	0.00E+00	1.33E-05	1.35E-03	0.00E+00
2972	441309.2	3768567	1.61E-04	1.54E-02	0.00E+00	1.82E-04	2.24E-02	0.00E+00	3.05E-05	3.81E-03	0.00E+00	1.33E-05	1.53E-03	0.00E+00
2973	441309.2	3768577	1.61E-04	1.75E-02	0.00E+00	1.82E-04	2.54E-02	0.00E+00	3.05E-05	4.33E-03	0.00E+00	1.33E-05	1.73E-03	0.00E+00

2974	441309.1	3768587	1.61E-04	2.01E-02	0.00E+00	1.82E-04	2.92E-02	0.00E+00	3.05E-05	4.98E-03	0.00E+00	1.33E-05	1.99E-03	0.00E+00
2975	441309	3768597	1.61E-04	2.37E-02	0.00E+00	1.82E-04	3.44E-02	0.00E+00	3.05E-05	5.87E-03	0.00E+00	1.33E-05	2.35E-03	0.00E+00
2976	441309	3768607	1.61E-04	2.86E-02	0.00E+00	1.82E-04	4.16E-02	0.00E+00	3.05E-05	7.09E-03	0.00E+00	1.33E-05	2.84E-03	0.00E+00
2977	441289.4	3768537	1.61E-04	1.07E-02	0.00E+00	1.82E-04	1.55E-02	0.00E+00	3.05E-05	2.64E-03	0.00E+00	1.33E-05	1.06E-03	0.00E+00
2978	441289.3	3768547	1.61E-04	1.18E-02	0.00E+00	1.82E-04	1.71E-02	0.00E+00	3.05E-05	2.92E-03	0.00E+00	1.33E-05	1.17E-03	0.00E+00
2979	441289.3	3768557	1.61E-04	1.32E-02	0.00E+00	1.82E-04	1.92E-02	0.00E+00	3.05E-05	3.28E-03	0.00E+00	1.33E-05	1.31E-03	0.00E+00
2980	441289.2	3768567	1.61E-04	1.50E-02	0.00E+00	1.82E-04	2.18E-02	0.00E+00	3.05E-05	3.71E-03	0.00E+00	1.33E-05	1.49E-03	0.00E+00
2981	441289.2	3768577	1.61E-04	1.70E-02	0.00E+00	1.82E-04	2.47E-02	0.00E+00	3.05E-05	4.21E-03	0.00E+00	1.33E-05	1.69E-03	0.00E+00
2982	441289.1	3768587	1.61E-04	1.94E-02	0.00E+00	1.82E-04	2.83E-02	0.00E+00	3.05E-05	4.82E-03	0.00E+00	1.33E-05	1.93E-03	0.00E+00
2983	441289	3768597	1.61E-04	2.27E-02	0.00E+00	1.82E-04	3.30E-02	0.00E+00	3.05E-05	5.62E-03	0.00E+00	1.33E-05	2.25E-03	0.00E+00
2984	441289	3768606	1.61E-04	2.71E-02	0.00E+00	1.82E-04	3.93E-02	0.00E+00	3.05E-05	6.71E-03	0.00E+00	1.33E-05	2.69E-03	0.00E+00
2985	441400.8	3768402	1.61E-04	3.78E-03	0.00E+00	1.82E-04	5.49E-03	0.00E+00	3.05E-05	9.36E-04	0.00E+00	1.33E-05	3.75E-04	0.00E+00
2986	441269.4	3768537	1.61E-04	1.04E-02	0.00E+00	1.82E-04	1.51E-02	0.00E+00	3.05E-05	2.57E-03	0.00E+00	1.33E-05	1.03E-03	0.00E+00
2987	441269.3	3768547	1.61E-04	1.14E-02	0.00E+00	1.82E-04	1.66E-02	0.00E+00	3.05E-05	2.84E-03	0.00E+00	1.33E-05	1.14E-03	0.00E+00
2988	441269.3	3768557	1.61E-04	1.28E-02	0.00E+00	1.82E-04	1.86E-02	0.00E+00	3.05E-05	3.17E-03	0.00E+00	1.33E-05	1.27E-03	0.00E+00
2989	441269.2	3768567	1.61E-04	1.44E-02	0.00E+00	1.82E-04	2.10E-02	0.00E+00	3.05E-05	3.57E-03	0.00E+00	1.33E-05	1.43E-03	0.00E+00
2990	441269.2	3768577	1.61E-04	1.63E-02	0.00E+00	1.82E-04	2.37E-02	0.00E+00	3.05E-05	4.03E-03	0.00E+00	1.33E-05	1.62E-03	0.00E+00
2991	441269.1	3768587	1.61E-04	1.85E-02	0.00E+00	1.82E-04	2.70E-02	0.00E+00	3.05E-05	4.60E-03	0.00E+00	1.33E-05	1.84E-03	0.00E+00
2992	441269	3768596	1.61E-04	2.15E-02	0.00E+00	1.82E-04	3.13E-02	0.00E+00	3.05E-05	5.33E-03	0.00E+00	1.33E-05	2.14E-03	0.00E+00
2993	441269	3768606	1.61E-04	2.51E-02	0.00E+00	1.82E-04	3.66E-02	0.00E+00	3.05E-05	6.23E-03	0.00E+00	1.33E-05	2.50E-03	0.00E+00
2994	441256.7	3768520	1.61E-04	8.75E-03	0.00E+00	1.82E-04	1.27E-02	0.00E+00	3.05E-05	2.17E-03	0.00E+00	1.33E-05	8.68E-04	0.00E+00
2995	441401.2	3768381	1.61E-04	3.29E-03	0.00E+00	1.82E-04	4.78E-03	0.00E+00	3.05E-05	8.15E-04	0.00E+00	1.33E-05	3.26E-04	0.00E+00
2996	441400.9	3768362	1.61E-04	2.89E-03	0.00E+00	1.82E-04	4.21E-03	0.00E+00	3.05E-05	7.17E-04	0.00E+00	1.33E-05	2.87E-04	0.00E+00
2997	441229.4	3768537	1.61E-04	9.26E-03	0.00E+00	1.82E-04	1.35E-02	0.00E+00	3.05E-05	2.30E-03	0.00E+00	1.33E-05	9.20E-04	0.00E+00
2998	441229.3	3768547	1.61E-04	1.00E-02	0.00E+00	1.82E-04	1.46E-02	0.00E+00	3.05E-05	2.49E-03	0.00E+00	1.33E-05	9.96E-04	0.00E+00
2999	441229.3	3768557	1.61E-04	1.09E-02	0.00E+00	1.82E-04	1.58E-02	0.00E+00	3.05E-05	2.70E-03	0.00E+00	1.33E-05	1.08E-03	0.00E+00
3000	441229.2	3768566	1.61E-04	1.19E-02	0.00E+00	1.82E-04	1.73E-02	0.00E+00	3.05E-05	2.94E-03	0.00E+00	1.33E-05	1.18E-03	0.00E+00
3001	441229.2	3768576	1.61E-04	1.29E-02	0.00E+00	1.82E-04	1.88E-02	0.00E+00	3.05E-05	3.21E-03	0.00E+00	1.33E-05	1.29E-03	0.00E+00
3002	441229.1	3768586	1.61E-04	1.41E-02	0.00E+00	1.82E-04	2.05E-02	0.00E+00	3.05E-05	3.50E-03	0.00E+00	1.33E-05	1.40E-03	0.00E+00
3003	441229	3768596	1.61E-04	1.54E-02	0.00E+00	1.82E-04	2.24E-02	0.00E+00	3.05E-05	3.81E-03	0.00E+00	1.33E-05	1.53E-03	0.00E+00
3004	441229	3768606	1.61E-04	1.66E-02	0.00E+00	1.82E-04	2.41E-02	0.00E+00	3.05E-05	4.11E-03	0.00E+00	1.33E-05	1.65E-03	0.00E+00
3005	441228.9	3768616	1.61E-04	1.76E-02	0.00E+00	1.82E-04	2.55E-02	0.00E+00	3.05E-05	4.35E-03	0.00E+00	1.33E-05	1.74E-03	0.00E+00
3006	441228.9	3768626	1.61E-04	1.82E-02	0.00E+00	1.82E-04	2.65E-02	0.00E+00	3.05E-05	4.52E-03	0.00E+00	1.33E-05	1.81E-03	0.00E+00
3007	441220.5	3768510	1.61E-04	7.39E-03	0.00E+00	1.82E-04	1.07E-02	0.00E+00	3.05E-05	1.83E-03	0.00E+00	1.33E-05	7.33E-04	0.00E+00
3008	441224.2	3768501	1.61E-04	7.09E-03	0.00E+00	1.82E-04	1.03E-02	0.00E+00	3.05E-05	1.76E-03	0.00E+00	1.33E-05	7.04E-04	0.00E+00
3009	441227.9	3768493	1.61E-04	6.81E-03	0.00E+00	1.82E-04	9.89E-03	0.00E+00	3.05E-05	1.69E-03	0.00E+00	1.33E-05	6.76E-04	0.00E+00
3010	441231.6	3768484	1.61E-04	6.53E-03	0.00E+00	1.82E-04	9.49E-03	0.00E+00	3.05E-05	1.62E-03	0.00E+00	1.33E-05	6.48E-04	0.00E+00
3011	441401.2	3768341	1.61E-04	2.57E-03	0.00E+00	1.82E-04	3.74E-03	0.00E+00	3.05E-05	6.37E-04	0.00E+00	1.33E-05	2.55E-04	0.00E+00
3012	441209.4	3768537	1.61E-04	8.46E-03	0.00E+00	1.82E-04	1.23E-02	0.00E+00	3.05E-05	2.10E-03	0.00E+00	1.33E-05	8.39E-04	0.00E+00
3013	441209.3	3768547	1.61E-04	9.04E-03	0.00E+00	1.82E-04	1.31E-02	0.00E+00	3.05E-05	2.24E-03	0.00E+00	1.33E-05	8.97E-04	0.00E+00
3014	441209.3	3768556	1.61E-04	9.66E-03	0.00E+00	1.82E-04	1.40E-02	0.00E+00	3.05E-05	2.40E-03	0.00E+00	1.33E-05	9.59E-04	0.00E+00
3015	441209.2	3768566	1.61E-04	1.03E-02	0.00E+00	1.82E-04	1.50E-02	0.00E+00	3.05E-05	2.56E-03	0.00E+00	1.33E-05	1.03E-03	0.00E+00
3016	441209.2	3768576	1.61E-04	1.10E-02	0.00E+00	1.82E-04	1.60E-02	0.00E+00	3.05E-05	2.73E-03	0.00E+00	1.33E-05	1.09E-03	0.00E+00
3017	441209.1	3768586	1.61E-04	1.17E-02	0.00E+00	1.82E-04	1.70E-02	0.00E+00	3.05E-05	2.89E-03	0.00E+00	1.33E-05	1.16E-03	0.00E+00
3018	441209	3768596	1.61E-04	1.23E-02	0.00E+00	1.82E-04	1.79E-02	0.00E+00	3.05E-05	3.05E-03	0.00E+00	1.33E-05	1.22E-03	0.00E+00
3019	441209	3768606	1.61E-04	1.28E-02	0.00E+00	1.82E-04	1.87E-02	0.00E+00	3.05E-05	3.18E-03	0.00E+00	1.33E-05	1.27E-03	0.00E+00
3020	441208.9	3768616	1.61E-04	1.32E-02	0.00E+00	1.82E-04	1.92E-02	0.00E+00	3.05E-05	3.27E-03	0.00E+00	1.33E-05	1.31E-03	0.00E+00
3021	441208.9	3768626	1.61E-04	1.35E-02	0.00E+00	1.82E-04	1.96E-02	0.00E+00	3.05E-05	3.34E-03	0.00E+00	1.33E-05	1.34E-03	0.00E+00
3022	441200.9	3768509	1.61E-04	6.87E-03	0.00E+00	1.82E-04	9.99E-03	0.00E+00	3.05E-05	1.70E-03	0.00E+00	1.33E-05	6.82E-04	0.00E+00
3023	441204.7	3768500	1.61E-04	6.64E-03	0.00E+00	1.82E-04	9.65E-03	0.00E+00	3.05E-05	1.65E-03	0.00E+00	1.33E-05	6.59E-04	0.00E+00
3024	441208.6	3768491	1.61E-04	6.39E-03	0.00E+00	1.82E-04	9.29E-03	0.00E+00	3.05E-05	1.58E-03	0.00E+00	1.33E-05	6.35E-04	0.00E+00
3025	441212.4	3768482	1.61E-04	6.15E-03	0.00E+00	1.82E-04	8.94E-03	0.00E+00	3.05E-05	1.52E-03	0.00E+00	1.33E-05	6.11E-04	0.00E+00
3026	441400.9	3768322	1.61E-04	2.30E-03	0.00E+00	1.82E-04	3.35E-03	0.00E+00	3.05E-05	5.71E-04	0.00E+00	1.33E-05	2.29E-04	0.00E+00
3027	441189.4	3768537	1.61E-04	7.62E-03	0.00E+00	1.82E-04	1.11E-02	0.00E+00	3.05E-05	1.89E-03	0.00E+00	1.33E-05	7.56E-04	0.00E+00
3028	441189.3	3768546	1.61E-04	8.02E-03	0.00E+00	1.82E-04	1.17E-02	0.00E+00	3.05E-05	1.99E-03	0.00E+00	1.33E-05	7.96E-04	0.00E+00
3029	441189.3	3768556	1.61E-04	8.43E-03	0.00E+00	1.82E-04	1.23E-02	0.00E+00	3.05E-05	2.09E-03	0.00E+00	1.33E-05	8.37E-04	0.00E+00
3030	441189.2	3768566	1.61E-04	8.85E-03	0.00E+00	1.82E-04	1.29E-02	0.00E+00	3.05E-05	2.19E-03	0.00E+00	1.33E-05	8.78E-04	0.00E+00
3031	441189.2	3768576	1.61E-04	9.25E-03	0.00E+00	1.82E-04	1.34E-02	0.00E+00	3.05E-05	2.29E-03	0.00E+00	1.33E-05	9.18E-04	0.00E+00
3032	441189.1	3768586	1.61E-04	9.63E-03	0.00E+00	1.82E-04	1.40E-02	0.00E+00	3.05E-05	2.39E-03	0.00E+00	1.33E-05	9.56E-04	0.00E+00
3033	441189	3768596	1.61E-04	9.97E-03	0.00E+00	1.82E-04	1.45E-02	0.00E+00	3.05E-05	2.47E-03	0.00E+00	1.33E-05	9.90E-04	0.00E+00
3034	441189	3768606	1.61E-04	1.02E-02	0.00E+00	1.82E-04	1.49E-02	0.00E+00	3.05E-05	2.54E-03	0.00E+00	1.33E-05	1.02E-03	0.00E+00
3035	441188.9	3768616	1.61E-04	1.04E-02	0.00E+00	1.82E-04	1.51E-02	0.00E+00	3.05E-05	2.58E-03	0.00E+00	1.33E-05	1.03E-03	0.00E+00
3036	441188.9	3768626	1.61E-04	1.05E-02	0.00E+00	1.82E-04	1.53E-02	0.00E+00	3.05E-05	2.61E-03	0.00E+00	1.33E-05	1.05E-03	0.00E+00
3037	441180.6	3768510	1.61E-04	6.39E-03	0.00E+00	1.82E-04	9.28E-03	0.00E+00	3.05E-05	1.58E-03	0.00E+00	1.33E-05	6.34E-04	0.00E+00
3038	441184.4	3768501	1.61E-04	6.24E-03	0.00E+00	1.82E-04	9.07E-03	0.00E+00	3.05E-05	1.55E-03	0.00E+00	1.33E-05	6.19E-04	0.00E+00
3039	441188.1	3768492	1.61E-04	6.07E-03	0.00E+00	1.82E-04	8.83E-03	0.00E+00	3.05E-05	1.51E-03	0.00E+00	1.33E-05	6.03E-04	0.00E+00
3040	441191.8	3768483	1.61E-04	5.90E-03	0.00E+00	1.82E-04	8.57E-03	0.00E+00	3.05E-05	1.46E-03	0.00E+00	1.33E-05	5.85E-04	0.00E+00
3041	441401.2	3768302	1.61E-04	2.07E-03	0.00E+00	1.82E-04	3.00E-03	0.00E+00	3.05E-05	5.12E-04	0.00E+00	1.33E-05	2.05E-04	0.00E+00
3042	441169.4	3768536	1.61E-04	6.80E-03	0.00E+00	1.82E-04	9.89E-03	0.00E+00	3.05E-05	1.69E-03	0.00E+00	1.33E-05	6.76E-04	0.00E+00
3043	441169.3	3768546	1.61E-04	7.07E-03	0.00E+00	1.82E-04	1.03E-02	0.00E+00	3.05E-05	1.75E-03	0.00E+00	1.33E-05	7.02E-04	0.00E+00
3044	441169.3	3768556	1.61E-04	7.33E-03	0.00E+00	1.82E-04	1.07E-02	0.00E+00	3.05E-05	1.82E-03	0.00E+00	1.33E-05	7.28E-04	0.00E+00
3045	441169.2	3768566	1.61E-04	7.58E-03	0.00E+00	1.82E-04	1.10E-02	0.00E+00	3.05E-05	1.88E-03	0.00E+00	1.33E-05	7.52E-04	0.00E+00
3046	441169.2	3768576	1.61E-04	7.82E-03	0.00E+00	1.82E-04	1.14E-02	0.00E+00	3.05E-05	1.94E-03	0.00E+00	1.33E-05	7.76E-04	0.00E+00
3047	441169.1	3768586	1.61E-04	8.05E-03	0.00E+00	1.82E-04	1.17E-02	0.00E+00	3.05E-05	1.99E-03	0.00E+00	1.33E-05	7.99E-04	0.00E+00
3048	441169	3768596	1.61E-04	8.25E-03	0.00E+00	1.82E-04	1.20E-02	0.00E+00	3.05E-05	2.04E-03	0.00E+00	1.33E-05	8.19E-04	0.00E+00
3049	441169	3768606	1.61E-04	8.38E-03	0.00E+00	1.82E-04	1.22E-02	0.00E+00	3.05E-05	2.08E-03	0.00E+00	1.33E-05	8.32E-04	0.00E+00
3050	441168.9	3768616	1.61E-04	8.46E-03	0.00E+00	1.82E-04	1.23E-02	0.00E+00	3.05E-05	2.10E-03	0.00E+00	1.33E-05	8.40E-04	0.00E+00
3051	441168.9	3768626	1.61E-04	8.50E-03	0.00E+00	1.82E-04	1.24E-02	0.00E+00	3.05E-05	2.11E-03	0.00E+00	1.33E-05	8.44E-04	0.00E+00
3052	441160.4	3768510	1.61E-04	5.87E-03	0.00E+00	1.82E-04	8.53E-03	0.00E+00	3.05E-05	1.45E-03	0.00E+00	1.33E-05	5.82E-04	0.00E+00
3053	441164.1	3768501	1.61E-04	5.78E-03	0.00E+00	1.82E-04	8.40E-03	0.00E+00	3.05E-05	1.43E-03	0.00E+00	1.33E-05	5.74E-04	0.00E+00
3054	441167.7	3768493	1.61E-04	5.68E-03	0.00E+00	1.82E-04	8.25E-03	0.00E+00	3.05E-05	1.41E-03	0.00E+00	1.33E-05	5.63E-04	0.00E+00
3055	441171.4	3768484	1.61E-04	5.56E-03	0.00E+00	1.82E-04	8.08E-03	0.00E+00	3.05E-05	1.38E-03	0.00E+00	1.33E-05	5.52E-04	0.00E+00
3056	441401.5	3768281	1.61E-04	1.87E-03	0.00E+00	1.82E-04	2.72E-03	0.00E+00	3.05E-05	4.63E-04	0.00E+00	1.33E-05	1.86E-04	0.00E+00
3057	441149.4	3768536	1.61E-04	6.05E-03	0.00E+00	1.82E-04	8.80E-03	0.00E+00	3.05E-05	1.50E-03	0.00E+00	1.33E-05	6.01E-04	0.00E+00
3058	441149.3	3768546	1.61E-04	6.22E-03	0.00E+00	1.82E-04	9.04E-03	0.00E+00	3.05E-05	1.54E-03	0.00E+00	1.33E-05	6.18E-04	0.00E+00
3059	441149.3	3768556	1.61E-04	6.38E-03	0.00E+00	1.82E-04	9.27E-03	0.00E+00	3.05E-05	1.58E-03	0.00E+00	1.33E-05	6.33E-04	0.00E+00
3060	441149.2	3768566	1.61E-04	6.52E-03	0.00E+00	1.82E-04	9.47E-03	0.00E+00	3.05E-05	1.62E-03	0.00E+00	1.33E-05	6.47E-04	0.00E+00
3061	441149.2	3768576	1.61E-04	6.67E-03	0.00E+00	1.82E-04	9.69E-03	0.00E+00	3.05E-05	1.65E-03	0.00E+00	1.33E-05	6.62E-04	0.00E+00
3062	441149.1	3768586	1.61E-04	6.81E-03	0.00E+00	1.82E-04	9.90E-03	0.00E+00	3.05E-05	1.69E-03	0.00E+00	1.33E-05	6.76E-04	0.00E+00
3063	441149	3768596	1.61E-04	6.93E-03	0.00E+00	1.82E-04	1.01E-02	0.00E+00	3.05E-05	1.72E-03	0.00E+00	1.33E-05	6.88E-04	0.00E+00
3064	441149	3768606	1.61E-04	7.00E-03	0.00E+00	1.82E-04	1.02E-02	0.00E+00	3.05E-05	1.73E-03	0.00E+00	1.33E-05	6.95E-04	0.00E+00
3065	441148.9	3768616	1.61E-04	7.02E-03	0.00E+00	1.82E-04	1.02E-02	0.00E+00	3.05E-05	1.74E-03	0.00E+00	1.33E-05	6.97E-04	0.00E+00
3066	441148.9	3768625	1.61E-04	7.01E-03	0.00E+00	1.82E-04	1.02E-02	0.00E+00	3.05E-05	1.74E-03	0.00E+00	1.33E-05	6.96E-04	0.00E+00
3067	441140.7	3768509	1.61E-04	5.32E-03	0.00E+00	1.82E-04	7.74E-03	0.00E+00	3.05E-05	1.32E-03	0.00E+00	1.33E-05	5.29E-04	0.00E+00
3068	441144.5	3768500	1.61E-04	5.28E-03	0.00E+00	1.82E-04	7.68E-03	0.00E+00	3.05E-05	1.31E-03	0.00E+00	1.33E-05	5.24E-04	0.00E+00
3069	441148.2	3768491	1.61E-04	5.22E-03	0.00E+00	1.82E-04	7.59E-03	0.00E+00	3.05E-05	1.29E-03	0.00E+00	1.33E-05	5.18E-04	0.00E+00

3070	441152	3768482	1.61E-04	5.15E-03	0.00E+00	1.82E-04	7.48E-03	0.00E+00	3.05E-05	1.28E-03	0.00E+00	1.33E-05	5.11E-04	0.00E+00
3071	441401.3	3768262	1.61E-04	1.71E-03	0.00E+00	1.82E-04	2.48E-03	0.00E+00	3.05E-05	4.23E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
3072	441129.4	3768536	1.61E-04	5.37E-03	0.00E+00	1.82E-04	7.81E-03	0.00E+00	3.05E-05	1.33E-03	0.00E+00	1.33E-05	5.34E-04	0.00E+00
3073	441129.3	3768546	1.61E-04	5.48E-03	0.00E+00	1.82E-04	7.96E-03	0.00E+00	3.05E-05	1.36E-03	0.00E+00	1.33E-05	5.44E-04	0.00E+00
3074	441129.3	3768556	1.61E-04	5.57E-03	0.00E+00	1.82E-04	8.09E-03	0.00E+00	3.05E-05	1.38E-03	0.00E+00	1.33E-05	5.52E-04	0.00E+00
3075	441129.2	3768566	1.61E-04	5.64E-03	0.00E+00	1.82E-04	8.19E-03	0.00E+00	3.05E-05	1.40E-03	0.00E+00	1.33E-05	5.60E-04	0.00E+00
3076	441129.2	3768576	1.61E-04	5.71E-03	0.00E+00	1.82E-04	8.31E-03	0.00E+00	3.05E-05	1.42E-03	0.00E+00	1.33E-05	5.67E-04	0.00E+00
3077	441129.1	3768586	1.61E-04	5.79E-03	0.00E+00	1.82E-04	8.41E-03	0.00E+00	3.05E-05	1.43E-03	0.00E+00	1.33E-05	5.75E-04	0.00E+00
3078	441129	3768596	1.61E-04	5.84E-03	0.00E+00	1.82E-04	8.49E-03	0.00E+00	3.05E-05	1.45E-03	0.00E+00	1.33E-05	5.80E-04	0.00E+00
3079	441129	3768605	1.61E-04	5.88E-03	0.00E+00	1.82E-04	8.54E-03	0.00E+00	3.05E-05	1.46E-03	0.00E+00	1.33E-05	5.84E-04	0.00E+00
3080	441128.9	3768615	1.61E-04	5.89E-03	0.00E+00	1.82E-04	8.56E-03	0.00E+00	3.05E-05	1.46E-03	0.00E+00	1.33E-05	5.85E-04	0.00E+00
3081	441128.9	3768625	1.61E-04	5.88E-03	0.00E+00	1.82E-04	8.54E-03	0.00E+00	3.05E-05	1.46E-03	0.00E+00	1.33E-05	5.83E-04	0.00E+00
3082	441120.5	3768510	1.61E-04	4.81E-03	0.00E+00	1.82E-04	6.99E-03	0.00E+00	3.05E-05	1.19E-03	0.00E+00	1.33E-05	4.78E-04	0.00E+00
3083	441124.2	3768501	1.61E-04	4.79E-03	0.00E+00	1.82E-04	6.97E-03	0.00E+00	3.05E-05	1.19E-03	0.00E+00	1.33E-05	4.76E-04	0.00E+00
3084	441127.9	3768492	1.61E-04	4.76E-03	0.00E+00	1.82E-04	6.92E-03	0.00E+00	3.05E-05	1.18E-03	0.00E+00	1.33E-05	4.73E-04	0.00E+00
3085	441131.6	3768483	1.61E-04	4.72E-03	0.00E+00	1.82E-04	6.86E-03	0.00E+00	3.05E-05	1.17E-03	0.00E+00	1.33E-05	4.69E-04	0.00E+00
3086	441401.5	3768241	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.27E-03	0.00E+00	3.05E-05	3.87E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
3087	441109.4	3768536	1.61E-04	4.76E-03	0.00E+00	1.82E-04	6.93E-03	0.00E+00	3.05E-05	1.18E-03	0.00E+00	1.33E-05	4.73E-04	0.00E+00
3088	441109.3	3768546	1.61E-04	4.83E-03	0.00E+00	1.82E-04	7.02E-03	0.00E+00	3.05E-05	1.20E-03	0.00E+00	1.33E-05	4.79E-04	0.00E+00
3089	441109.3	3768556	1.61E-04	4.88E-03	0.00E+00	1.82E-04	7.09E-03	0.00E+00	3.05E-05	1.21E-03	0.00E+00	1.33E-05	4.84E-04	0.00E+00
3090	441109.2	3768566	1.61E-04	4.92E-03	0.00E+00	1.82E-04	7.15E-03	0.00E+00	3.05E-05	1.22E-03	0.00E+00	1.33E-05	4.88E-04	0.00E+00
3091	441109.2	3768576	1.61E-04	4.96E-03	0.00E+00	1.82E-04	7.20E-03	0.00E+00	3.05E-05	1.23E-03	0.00E+00	1.33E-05	4.92E-04	0.00E+00
3092	441109.1	3768586	1.61E-04	4.99E-03	0.00E+00	1.82E-04	7.26E-03	0.00E+00	3.05E-05	1.24E-03	0.00E+00	1.33E-05	4.96E-04	0.00E+00
3093	441109	3768595	1.61E-04	5.01E-03	0.00E+00	1.82E-04	7.28E-03	0.00E+00	3.05E-05	1.24E-03	0.00E+00	1.33E-05	4.97E-04	0.00E+00
3094	441109	3768605	1.61E-04	5.02E-03	0.00E+00	1.82E-04	7.30E-03	0.00E+00	3.05E-05	1.24E-03	0.00E+00	1.33E-05	4.98E-04	0.00E+00
3095	441108.9	3768615	1.61E-04	5.01E-03	0.00E+00	1.82E-04	7.29E-03	0.00E+00	3.05E-05	1.24E-03	0.00E+00	1.33E-05	4.98E-04	0.00E+00
3096	441108.9	3768625	1.61E-04	4.99E-03	0.00E+00	1.82E-04	7.25E-03	0.00E+00	3.05E-05	1.24E-03	0.00E+00	1.33E-05	4.95E-04	0.00E+00
3097	441076.9	3768518	1.61E-04	3.85E-03	0.00E+00	1.82E-04	5.60E-03	0.00E+00	3.05E-05	9.54E-04	0.00E+00	1.33E-05	3.82E-04	0.00E+00
3098	441080.6	3768509	1.61E-04	3.88E-03	0.00E+00	1.82E-04	5.64E-03	0.00E+00	3.05E-05	9.62E-04	0.00E+00	1.33E-05	3.85E-04	0.00E+00
3099	441084.3	3768500	1.61E-04	3.90E-03	0.00E+00	1.82E-04	5.67E-03	0.00E+00	3.05E-05	9.67E-04	0.00E+00	1.33E-05	3.87E-04	0.00E+00
3100	441088	3768491	1.61E-04	3.91E-03	0.00E+00	1.82E-04	5.69E-03	0.00E+00	3.05E-05	9.70E-04	0.00E+00	1.33E-05	3.89E-04	0.00E+00
3101	441091.8	3768483	1.61E-04	3.92E-03	0.00E+00	1.82E-04	5.69E-03	0.00E+00	3.05E-05	9.70E-04	0.00E+00	1.33E-05	3.89E-04	0.00E+00
3102	441095.5	3768474	1.61E-04	3.90E-03	0.00E+00	1.82E-04	5.67E-03	0.00E+00	3.05E-05	9.67E-04	0.00E+00	1.33E-05	3.87E-04	0.00E+00
3103	441099.2	3768465	1.61E-04	3.88E-03	0.00E+00	1.82E-04	5.63E-03	0.00E+00	3.05E-05	9.60E-04	0.00E+00	1.33E-05	3.85E-04	0.00E+00
3104	441401.6	3768202	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.29E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
3105	441069.4	3768536	1.61E-04	3.76E-03	0.00E+00	1.82E-04	5.46E-03	0.00E+00	3.05E-05	9.32E-04	0.00E+00	1.33E-05	3.73E-04	0.00E+00
3106	441069.3	3768546	1.61E-04	3.78E-03	0.00E+00	1.82E-04	5.50E-03	0.00E+00	3.05E-05	9.37E-04	0.00E+00	1.33E-05	3.76E-04	0.00E+00
3107	441069.3	3768556	1.61E-04	3.80E-03	0.00E+00	1.82E-04	5.52E-03	0.00E+00	3.05E-05	9.41E-04	0.00E+00	1.33E-05	3.77E-04	0.00E+00
3108	441069.2	3768566	1.61E-04	3.81E-03	0.00E+00	1.82E-04	5.53E-03	0.00E+00	3.05E-05	9.43E-04	0.00E+00	1.33E-05	3.78E-04	0.00E+00
3109	441069.2	3768575	1.61E-04	3.82E-03	0.00E+00	1.82E-04	5.55E-03	0.00E+00	3.05E-05	9.46E-04	0.00E+00	1.33E-05	3.79E-04	0.00E+00
3110	441069.1	3768585	1.61E-04	3.82E-03	0.00E+00	1.82E-04	5.56E-03	0.00E+00	3.05E-05	9.47E-04	0.00E+00	1.33E-05	3.80E-04	0.00E+00
3111	441069	3768595	1.61E-04	3.82E-03	0.00E+00	1.82E-04	5.55E-03	0.00E+00	3.05E-05	9.47E-04	0.00E+00	1.33E-05	3.79E-04	0.00E+00
3112	441069	3768605	1.61E-04	3.80E-03	0.00E+00	1.82E-04	5.53E-03	0.00E+00	3.05E-05	9.43E-04	0.00E+00	1.33E-05	3.78E-04	0.00E+00
3113	441068.9	3768615	1.61E-04	3.78E-03	0.00E+00	1.82E-04	5.49E-03	0.00E+00	3.05E-05	9.36E-04	0.00E+00	1.33E-05	3.75E-04	0.00E+00
3114	441068.9	3768625	1.61E-04	3.74E-03	0.00E+00	1.82E-04	5.43E-03	0.00E+00	3.05E-05	9.26E-04	0.00E+00	1.33E-05	3.71E-04	0.00E+00
3115	441040.7	3768509	1.61E-04	3.17E-03	0.00E+00	1.82E-04	4.60E-03	0.00E+00	3.05E-05	7.85E-04	0.00E+00	1.33E-05	3.14E-04	0.00E+00
3116	441044.4	3768500	1.61E-04	3.20E-03	0.00E+00	1.82E-04	4.65E-03	0.00E+00	3.05E-05	7.93E-04	0.00E+00	1.33E-05	3.18E-04	0.00E+00
3117	441048.2	3768491	1.61E-04	3.23E-03	0.00E+00	1.82E-04	4.69E-03	0.00E+00	3.05E-05	7.99E-04	0.00E+00	1.33E-05	3.20E-04	0.00E+00
3118	441051.9	3768482	1.61E-04	3.24E-03	0.00E+00	1.82E-04	4.72E-03	0.00E+00	3.05E-05	8.04E-04	0.00E+00	1.33E-05	3.22E-04	0.00E+00
3119	441055.7	3768473	1.61E-04	3.25E-03	0.00E+00	1.82E-04	4.73E-03	0.00E+00	3.05E-05	8.06E-04	0.00E+00	1.33E-05	3.23E-04	0.00E+00
3120	441059.4	3768464	1.61E-04	3.25E-03	0.00E+00	1.82E-04	4.72E-03	0.00E+00	3.05E-05	8.05E-04	0.00E+00	1.33E-05	3.23E-04	0.00E+00
3121	441401.7	3768162	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.82E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
3122	440996.9	3768517	1.61E-04	2.59E-03	0.00E+00	1.82E-04	3.76E-03	0.00E+00	3.05E-05	6.41E-04	0.00E+00	1.33E-05	2.57E-04	0.00E+00
3123	441000.7	3768508	1.61E-04	2.62E-03	0.00E+00	1.82E-04	3.81E-03	0.00E+00	3.05E-05	6.50E-04	0.00E+00	1.33E-05	2.60E-04	0.00E+00
3124	441004.5	3768499	1.61E-04	2.66E-03	0.00E+00	1.82E-04	3.87E-03	0.00E+00	3.05E-05	6.59E-04	0.00E+00	1.33E-05	2.64E-04	0.00E+00
3125	441008.2	3768491	1.61E-04	2.69E-03	0.00E+00	1.82E-04	3.91E-03	0.00E+00	3.05E-05	6.67E-04	0.00E+00	1.33E-05	2.67E-04	0.00E+00
3126	441012	3768482	1.61E-04	2.72E-03	0.00E+00	1.82E-04	3.95E-03	0.00E+00	3.05E-05	6.74E-04	0.00E+00	1.33E-05	2.70E-04	0.00E+00
3127	441015.8	3768473	1.61E-04	2.74E-03	0.00E+00	1.82E-04	3.98E-03	0.00E+00	3.05E-05	6.79E-04	0.00E+00	1.33E-05	2.72E-04	0.00E+00
3128	441019.6	3768464	1.61E-04	2.75E-03	0.00E+00	1.82E-04	4.00E-03	0.00E+00	3.05E-05	6.83E-04	0.00E+00	1.33E-05	2.73E-04	0.00E+00
3129	441401.7	3768122	1.61E-04	9.80E-04	0.00E+00	1.82E-04	1.43E-03	0.00E+00	3.05E-05	2.43E-04	0.00E+00	1.33E-05	9.73E-05	0.00E+00
3130	440989.3	3768545	1.61E-04	2.50E-03	0.00E+00	1.82E-04	3.64E-03	0.00E+00	3.05E-05	6.20E-04	0.00E+00	1.33E-05	2.48E-04	0.00E+00
3131	440989.3	3768555	1.61E-04	2.49E-03	0.00E+00	1.82E-04	3.63E-03	0.00E+00	3.05E-05	6.18E-04	0.00E+00	1.33E-05	2.48E-04	0.00E+00
3132	440989.2	3768565	1.61E-04	2.48E-03	0.00E+00	1.82E-04	3.61E-03	0.00E+00	3.05E-05	6.16E-04	0.00E+00	1.33E-05	2.47E-04	0.00E+00
3133	440989.2	3768575	1.61E-04	2.47E-03	0.00E+00	1.82E-04	3.59E-03	0.00E+00	3.05E-05	6.12E-04	0.00E+00	1.33E-05	2.45E-04	0.00E+00
3134	440989.1	3768585	1.61E-04	2.45E-03	0.00E+00	1.82E-04	3.56E-03	0.00E+00	3.05E-05	6.07E-04	0.00E+00	1.33E-05	2.43E-04	0.00E+00
3135	440989	3768595	1.61E-04	2.43E-03	0.00E+00	1.82E-04	3.53E-03	0.00E+00	3.05E-05	6.01E-04	0.00E+00	1.33E-05	2.41E-04	0.00E+00
3136	440989	3768605	1.61E-04	2.40E-03	0.00E+00	1.82E-04	3.49E-03	0.00E+00	3.05E-05	5.95E-04	0.00E+00	1.33E-05	2.38E-04	0.00E+00
3137	440988.9	3768615	1.61E-04	2.37E-03	0.00E+00	1.82E-04	3.44E-03	0.00E+00	3.05E-05	5.87E-04	0.00E+00	1.33E-05	2.35E-04	0.00E+00
3138	440988.9	3768624	1.61E-04	2.34E-03	0.00E+00	1.82E-04	3.40E-03	0.00E+00	3.05E-05	5.79E-04	0.00E+00	1.33E-05	2.32E-04	0.00E+00
3139	440957	3768517	1.61E-04	2.18E-03	0.00E+00	1.82E-04	3.17E-03	0.00E+00	3.05E-05	5.41E-04	0.00E+00	1.33E-05	2.17E-04	0.00E+00
3140	440960.8	3768508	1.61E-04	2.22E-03	0.00E+00	1.82E-04	3.23E-03	0.00E+00	3.05E-05	5.50E-04	0.00E+00	1.33E-05	2.20E-04	0.00E+00
3141	440964.5	3768499	1.61E-04	2.25E-03	0.00E+00	1.82E-04	3.28E-03	0.00E+00	3.05E-05	5.59E-04	0.00E+00	1.33E-05	2.24E-04	0.00E+00
3142	440968.3	3768490	1.61E-04	2.29E-03	0.00E+00	1.82E-04	3.32E-03	0.00E+00	3.05E-05	5.67E-04	0.00E+00	1.33E-05	2.27E-04	0.00E+00
3143	440972.1	3768481	1.61E-04	2.31E-03	0.00E+00	1.82E-04	3.36E-03	0.00E+00	3.05E-05	5.74E-04	0.00E+00	1.33E-05	2.30E-04	0.00E+00
3144	440975.9	3768472	1.61E-04	2.34E-03	0.00E+00	1.82E-04	3.40E-03	0.00E+00	3.05E-05	5.80E-04	0.00E+00	1.33E-05	2.32E-04	0.00E+00
3145	440979.7	3768463	1.61E-04	2.36E-03	0.00E+00	1.82E-04	3.44E-03	0.00E+00	3.05E-05	5.86E-04	0.00E+00	1.33E-05	2.35E-04	0.00E+00
3146	441401.8	3768082	1.61E-04	8.82E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.19E-04	0.00E+00	1.33E-05	8.76E-05	0.00E+00
3147	440949.3	3768545	1.61E-04	2.09E-03	0.00E+00	1.82E-04	3.04E-03	0.00E+00	3.05E-05	5.19E-04	0.00E+00	1.33E-05	2.08E-04	0.00E+00
3148	440949.3	3768555	1.61E-04	2.08E-03	0.00E+00	1.82E-04	3.02E-03	0.00E+00	3.05E-05	5.16E-04	0.00E+00	1.33E-05	2.07E-04	0.00E+00
3149	440949.2	3768565	1.61E-04	2.07E-03	0.00E+00	1.82E-04	3.00E-03	0.00E+00	3.05E-05	5.12E-04	0.00E+00	1.33E-05	2.05E-04	0.00E+00
3150	440949.2	3768575	1.61E-04	2.05E-03	0.00E+00	1.82E-04	2.98E-03	0.00E+00	3.05E-05	5.08E-04	0.00E+00	1.33E-05	2.03E-04	0.00E+00
3151	440949.1	3768585	1.61E-04	2.03E-03	0.00E+00	1.82E-04	2.95E-03	0.00E+00	3.05E-05	5.03E-04	0.00E+00	1.33E-05	2.01E-04	0.00E+00
3152	440949	3768595	1.61E-04	2.01E-03	0.00E+00	1.82E-04	2.91E-03	0.00E+00	3.05E-05	4.97E-04	0.00E+00	1.33E-05	1.99E-04	0.00E+00
3153	440949	3768604	1.61E-04	1.98E-03	0.00E+00	1.82E-04	2.88E-03	0.00E+00	3.05E-05	4.91E-04	0.00E+00	1.33E-05	1.97E-04	0.00E+00
3154	440948.9	3768614	1.61E-04	1.95E-03	0.00E+00	1.82E-04	2.84E-03	0.00E+00	3.05E-05	4.84E-04	0.00E+00	1.33E-05	1.94E-04	0.00E+00
3155	440948.9	3768624	1.61E-04	1.92E-03	0.00E+00	1.82E-04	2.80E-03	0.00E+00	3.05E-05	4.77E-04	0.00E+00	1.33E-05	1.91E-04	0.00E+00
3156	440917	3768517	1.61E-04	1.84E-03	0.00E+00	1.82E-04	2.68E-03	0.00E+00	3.05E-05	4.57E-04	0.00E+00	1.33E-05	1.83E-04	0.00E+00
3157	440920.8	3768508	1.61E-04	1.87E-03	0.00E+00	1.82E-04	2.73E-03	0.00E+00	3.05E-05	4.65E-04	0.00E+00	1.33E-05	1.86E-04	0.00E+00
3158	440924.6	3768499	1.61E-04	1.91E-03	0.00E+00	1.82E-04	2.77E-03	0.00E+00	3.05E-05	4.73E-04	0.00E+00	1.33E-05	1.89E-04	0.00E+00
3159	440928.4	3768490	1.61E-04	1.94E-03	0.00E+00	1.82E-04	2.82E-03	0.00E+00	3.05E-05	4.81E-04	0.00E+00	1.33E-05	1.93E-04	0.00E+00
3160	440932.2	3768481	1.61E-04	1.97E-03	0.00E+00	1.82E-04	2.86E-03	0.00E+00	3.05E-05	4.88E-04	0.00E+00	1.33E-05	1.95E-04	0.00E+00
3161	440936	3768472	1.61E-04	2.00E-03	0.00E+00	1.82E-04	2.90E-03	0.00E+00	3.05E-05	4.95E-04	0.00E+00	1.33E-05	1.98E-04	0.00E+00
3162	440939.8	3768463	1.61E-04	2.02E-03	0.00E+00	1.82E-04	2.94E-03	0.00E+00	3.05E-05	5.02E-04	0.00E+00	1.33E-05	2.01E-04	0.00E+00
3163	440909.3	3768545	1.61E-04	1.77E-03	0.00E+00	1.82E-04	2.57E-03	0.00E+00	3.05E-05	4.38E-04	0.00E+00	1.33E-05	1.76E-04	0.00E+00
3164	440909.3	3768555	1.61E-04	1.76E-03	0.00E+00	1.82E-04	2.56E-03	0.00E+00	3.05E-05	4.36E-04	0.00E+00	1.33E-05	1.75E-04	0.00E+00
3165	440909.2	3768565	1.61E-04	1.75E-03	0.00E+00	1.82E-04	2.54E-03	0.00E+00	3.05E-05	4.33E-04	0.00E+00	1.33E-05	1.73E-04	0.00E+00

3166	440909.2	3768574	1.61E-04	1.73E-03	0.00E+00	1.82E-04	2.52E-03	0.00E+00	3.05E-05	4.29E-04	0.00E+00	1.33E-05	1.72E-04	0.00E+00
3167	440909.1	3768584	1.61E-04	1.71E-03	0.00E+00	1.82E-04	2.49E-03	0.00E+00	3.05E-05	4.24E-04	0.00E+00	1.33E-05	1.70E-04	0.00E+00
3168	440909	3768594	1.61E-04	1.69E-03	0.00E+00	1.82E-04	2.46E-03	0.00E+00	3.05E-05	4.19E-04	0.00E+00	1.33E-05	1.68E-04	0.00E+00
3169	440909	3768604	1.61E-04	1.67E-03	0.00E+00	1.82E-04	2.43E-03	0.00E+00	3.05E-05	4.14E-04	0.00E+00	1.33E-05	1.66E-04	0.00E+00
3170	440908.9	3768614	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.40E-03	0.00E+00	3.05E-05	4.09E-04	0.00E+00	1.33E-05	1.64E-04	0.00E+00
3171	440908.9	3768624	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.37E-03	0.00E+00	3.05E-05	4.04E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
3172	440877	3768516	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.29E-03	0.00E+00	3.05E-05	3.91E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
3173	440880.8	3768507	1.61E-04	1.60E-03	0.00E+00	1.82E-04	2.33E-03	0.00E+00	3.05E-05	3.98E-04	0.00E+00	1.33E-05	1.59E-04	0.00E+00
3174	440884.6	3768498	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.37E-03	0.00E+00	3.05E-05	4.05E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
3175	440888.4	3768489	1.61E-04	1.66E-03	0.00E+00	1.82E-04	2.41E-03	0.00E+00	3.05E-05	4.11E-04	0.00E+00	1.33E-05	1.65E-04	0.00E+00
3176	440892.3	3768480	1.61E-04	1.69E-03	0.00E+00	1.82E-04	2.45E-03	0.00E+00	3.05E-05	4.18E-04	0.00E+00	1.33E-05	1.67E-04	0.00E+00
3177	440896.1	3768471	1.61E-04	1.71E-03	0.00E+00	1.82E-04	2.49E-03	0.00E+00	3.05E-05	4.24E-04	0.00E+00	1.33E-05	1.70E-04	0.00E+00
3178	441347.5	3768024	1.61E-04	8.19E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.03E-04	0.00E+00	1.33E-05	8.13E-05	0.00E+00
3179	441356.6	3768020	1.61E-04	8.01E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.99E-04	0.00E+00	1.33E-05	7.95E-05	0.00E+00
3180	441365.7	3768016	1.61E-04	7.85E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.79E-05	0.00E+00
3181	441374.8	3768013	1.61E-04	7.69E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.63E-05	0.00E+00
3182	441383.8	3768009	1.61E-04	7.53E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.48E-05	0.00E+00
3183	441392.9	3768005	1.61E-04	7.38E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.33E-05	0.00E+00
3184	441402	3768002	1.61E-04	7.23E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.18E-05	0.00E+00
3185	440869.3	3768544	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.20E-03	0.00E+00	3.05E-05	3.76E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
3186	440869.3	3768554	1.61E-04	1.51E-03	0.00E+00	1.82E-04	2.19E-03	0.00E+00	3.05E-05	3.73E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
3187	440869.2	3768564	1.61E-04	1.49E-03	0.00E+00	1.82E-04	2.17E-03	0.00E+00	3.05E-05	3.70E-04	0.00E+00	1.33E-05	1.48E-04	0.00E+00
3188	440869.2	3768574	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.15E-03	0.00E+00	3.05E-05	3.67E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
3189	440869.1	3768584	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.13E-03	0.00E+00	3.05E-05	3.63E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
3190	440869	3768594	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.11E-03	0.00E+00	3.05E-05	3.59E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
3191	440869	3768604	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.08E-03	0.00E+00	3.05E-05	3.55E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
3192	440868.9	3768614	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.51E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
3193	440868.9	3768624	1.61E-04	1.40E-03	0.00E+00	1.82E-04	2.03E-03	0.00E+00	3.05E-05	3.46E-04	0.00E+00	1.33E-05	1.39E-04	0.00E+00
3194	440837	3768516	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.99E-03	0.00E+00	3.05E-05	3.39E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
3195	440840.9	3768507	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.45E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
3196	440844.7	3768498	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.05E-03	0.00E+00	3.05E-05	3.50E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
3197	440848.5	3768489	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.08E-03	0.00E+00	3.05E-05	3.55E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
3198	440852.3	3768480	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.11E-03	0.00E+00	3.05E-05	3.61E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
3199	440856.1	3768471	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.15E-03	0.00E+00	3.05E-05	3.66E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
3200	441238.1	3768029	1.61E-04	9.79E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.43E-04	0.00E+00	1.33E-05	9.72E-05	0.00E+00
3201	441247.2	3768025	1.61E-04	9.57E-04	0.00E+00	1.82E-04	1.39E-03	0.00E+00	3.05E-05	2.37E-04	0.00E+00	1.33E-05	9.50E-05	0.00E+00
3202	441256.3	3768021	1.61E-04	9.34E-04	0.00E+00	1.82E-04	1.36E-03	0.00E+00	3.05E-05	2.31E-04	0.00E+00	1.33E-05	9.27E-05	0.00E+00
3203	441265.4	3768018	1.61E-04	9.11E-04	0.00E+00	1.82E-04	1.32E-03	0.00E+00	3.05E-05	2.26E-04	0.00E+00	1.33E-05	9.04E-05	0.00E+00
3204	441274.6	3768014	1.61E-04	8.89E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.20E-04	0.00E+00	1.33E-05	8.82E-05	0.00E+00
3205	441283.7	3768010	1.61E-04	8.66E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.15E-04	0.00E+00	1.33E-05	8.60E-05	0.00E+00
3206	441292.8	3768006	1.61E-04	8.44E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.38E-05	0.00E+00
3207	441301.9	3768003	1.61E-04	8.22E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.04E-04	0.00E+00	1.33E-05	8.17E-05	0.00E+00
3208	441311	3767999	1.61E-04	8.03E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	1.99E-04	0.00E+00	1.33E-05	7.97E-05	0.00E+00
3209	441320.1	3767995	1.61E-04	7.84E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.78E-05	0.00E+00
3210	441329.2	3767991	1.61E-04	7.65E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.60E-05	0.00E+00
3211	441338.3	3767988	1.61E-04	7.50E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.44E-05	0.00E+00
3212	441347.5	3767984	1.61E-04	7.35E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.30E-05	0.00E+00
3213	441356.6	3767980	1.61E-04	7.20E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.15E-05	0.00E+00
3214	441365.7	3767977	1.61E-04	7.06E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.01E-05	0.00E+00
3215	441374.8	3767973	1.61E-04	6.92E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.87E-05	0.00E+00
3216	441383.9	3767969	1.61E-04	6.78E-04	0.00E+00	1.82E-04	9.85E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.73E-05	0.00E+00
3217	441393	3767965	1.61E-04	6.65E-04	0.00E+00	1.82E-04	9.66E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.60E-05	0.00E+00
3218	441402.1	3767962	1.61E-04	6.52E-04	0.00E+00	1.82E-04	9.48E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.47E-05	0.00E+00
3219	440829.3	3768544	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.26E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
3220	440829.3	3768554	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.23E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
3221	440829.2	3768564	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.88E-03	0.00E+00	3.05E-05	3.21E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
3222	440829.2	3768574	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.18E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
3223	440829.1	3768584	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.85E-03	0.00E+00	3.05E-05	3.15E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
3224	440829	3768594	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.83E-03	0.00E+00	3.05E-05	3.12E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
3225	440829	3768604	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.81E-03	0.00E+00	3.05E-05	3.09E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
3226	440828.9	3768614	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.79E-03	0.00E+00	3.05E-05	3.05E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
3227	440828.9	3768623	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.76E-03	0.00E+00	3.05E-05	3.01E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
3228	441210.5	3768000	1.61E-04	9.21E-04	0.00E+00	1.82E-04	1.34E-03	0.00E+00	3.05E-05	2.28E-04	0.00E+00	1.33E-05	9.14E-05	0.00E+00
3229	441219.6	3767996	1.61E-04	9.03E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.24E-04	0.00E+00	1.33E-05	8.96E-05	0.00E+00
3230	441228.7	3767993	1.61E-04	8.84E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.19E-04	0.00E+00	1.33E-05	8.78E-05	0.00E+00
3231	441237.9	3767989	1.61E-04	8.66E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.15E-04	0.00E+00	1.33E-05	8.60E-05	0.00E+00
3232	441247	3767985	1.61E-04	8.47E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.10E-04	0.00E+00	1.33E-05	8.41E-05	0.00E+00
3233	441256.1	3767981	1.61E-04	8.28E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.05E-04	0.00E+00	1.33E-05	8.22E-05	0.00E+00
3234	441265.3	3767978	1.61E-04	8.09E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	8.03E-05	0.00E+00
3235	441274.4	3767974	1.61E-04	7.90E-04	0.00E+00	1.82E-04	1.15E-03	0.00E+00	3.05E-05	1.96E-04	0.00E+00	1.33E-05	7.84E-05	0.00E+00
3236	441283.5	3767970	1.61E-04	7.72E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.66E-05	0.00E+00
3237	441292.7	3767967	1.61E-04	7.54E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.49E-05	0.00E+00
3238	441301.8	3767963	1.61E-04	7.38E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.33E-05	0.00E+00
3239	441310.9	3767959	1.61E-04	7.23E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.18E-05	0.00E+00
3240	441320.1	3767955	1.61E-04	7.09E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.04E-05	0.00E+00
3241	441329.2	3767952	1.61E-04	6.96E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.90E-05	0.00E+00
3242	441338.3	3767948	1.61E-04	6.82E-04	0.00E+00	1.82E-04	9.91E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.77E-05	0.00E+00
3243	441347.4	3767944	1.61E-04	6.68E-04	0.00E+00	1.82E-04	9.71E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.63E-05	0.00E+00
3244	441356.6	3767940	1.61E-04	6.55E-04	0.00E+00	1.82E-04	9.52E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.50E-05	0.00E+00
3245	441365.7	3767937	1.61E-04	6.41E-04	0.00E+00	1.82E-04	9.32E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.37E-05	0.00E+00
3246	441374.8	3767933	1.61E-04	6.29E-04	0.00E+00	1.82E-04	9.14E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.24E-05	0.00E+00
3247	441384	3767929	1.61E-04	6.16E-04	0.00E+00	1.82E-04	8.96E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.12E-05	0.00E+00
3248	441393.1	3767925	1.61E-04	6.04E-04	0.00E+00	1.82E-04	8.78E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.00E-05	0.00E+00
3249	441402.2	3767922	1.61E-04	5.91E-04	0.00E+00	1.82E-04	8.60E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.87E-05	0.00E+00
3250	440789.3	3768544	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.85E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
3251	440789.3	3768554	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.66E-03	0.00E+00	3.05E-05	2.83E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
3252	440789.2	3768564	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.81E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
3253	440789.2	3768574	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
3254	440789.1	3768584	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.62E-03	0.00E+00	3.05E-05	2.76E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
3255	440789	3768594	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.73E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
3256	440789	3768603	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.70E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
3257	440788.9	3768613	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.67E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
3258	440788.9	3768623	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.54E-03	0.00E+00	3.05E-05	2.63E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
3259	440757.1	3768516	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.54E-03	0.00E+00	3.05E-05	2.63E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
3260	440760.9	3768507	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.57E-03	0.00E+00	3.05E-05	2.67E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
3261	440764.7	3768497	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.59E-03	0.00E+00	3.05E-05	2.72E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00

3262	440768.6	3768488	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.62E-03	0.00E+00	3.05E-05	2.76E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
3263	440772.4	3768479	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.80E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
3264	440776.2	3768470	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.84E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
3265	440780.1	3768461	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.88E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
3266	441201.1	3767964	1.61E-04	8.33E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.07E-04	0.00E+00	1.33E-05	8.27E-05	0.00E+00
3267	441210.2	3767960	1.61E-04	8.19E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.03E-04	0.00E+00	1.33E-05	8.13E-05	0.00E+00
3268	441219.4	3767957	1.61E-04	8.03E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	1.99E-04	0.00E+00	1.33E-05	7.98E-05	0.00E+00
3269	441228.5	3767953	1.61E-04	7.87E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.95E-04	0.00E+00	1.33E-05	7.82E-05	0.00E+00
3270	441237.7	3767949	1.61E-04	7.71E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.65E-05	0.00E+00
3271	441246.8	3767945	1.61E-04	7.55E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.49E-05	0.00E+00
3272	441256	3767942	1.61E-04	7.39E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.34E-05	0.00E+00
3273	441265.1	3767938	1.61E-04	7.25E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.19E-05	0.00E+00
3274	441274.3	3767934	1.61E-04	7.10E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.05E-05	0.00E+00
3275	441283.4	3767930	1.61E-04	6.96E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.91E-05	0.00E+00
3276	441292.6	3767927	1.61E-04	6.83E-04	0.00E+00	1.82E-04	9.93E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.78E-05	0.00E+00
3277	441301.7	3767923	1.61E-04	6.70E-04	0.00E+00	1.82E-04	9.74E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.65E-05	0.00E+00
3278	441310.9	3767919	1.61E-04	6.57E-04	0.00E+00	1.82E-04	9.55E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.52E-05	0.00E+00
3279	441320	3767915	1.61E-04	6.44E-04	0.00E+00	1.82E-04	9.37E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.40E-05	0.00E+00
3280	441329.2	3767912	1.61E-04	6.31E-04	0.00E+00	1.82E-04	9.18E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.27E-05	0.00E+00
3281	441338.3	3767908	1.61E-04	6.18E-04	0.00E+00	1.82E-04	8.99E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.14E-05	0.00E+00
3282	441347.5	3767904	1.61E-04	6.06E-04	0.00E+00	1.82E-04	8.80E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.01E-05	0.00E+00
3283	441356.6	3767900	1.61E-04	5.93E-04	0.00E+00	1.82E-04	8.62E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.89E-05	0.00E+00
3284	441365.8	3767897	1.61E-04	5.82E-04	0.00E+00	1.82E-04	8.46E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.77E-05	0.00E+00
3285	441374.9	3767893	1.61E-04	5.70E-04	0.00E+00	1.82E-04	8.29E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.66E-05	0.00E+00
3286	441384.1	3767889	1.61E-04	5.59E-04	0.00E+00	1.82E-04	8.12E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.55E-05	0.00E+00
3287	441393.2	3767885	1.61E-04	5.48E-04	0.00E+00	1.82E-04	7.96E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.44E-05	0.00E+00
3288	441402.4	3767882	1.61E-04	5.38E-04	0.00E+00	1.82E-04	7.82E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.34E-05	0.00E+00
3289	440749.2	3768564	1.61E-04	1.00E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.49E-04	0.00E+00	1.33E-05	9.96E-05	0.00E+00
3290	440749.2	3768573	1.61E-04	9.95E-04	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.46E-04	0.00E+00	1.33E-05	9.87E-05	0.00E+00
3291	440749.1	3768583	1.61E-04	9.85E-04	0.00E+00	1.82E-04	1.43E-03	0.00E+00	3.05E-05	2.44E-04	0.00E+00	1.33E-05	9.77E-05	0.00E+00
3292	440749	3768593	1.61E-04	9.74E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.41E-04	0.00E+00	1.33E-05	9.67E-05	0.00E+00
3293	440749	3768603	1.61E-04	9.62E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.38E-04	0.00E+00	1.33E-05	9.55E-05	0.00E+00
3294	440748.9	3768613	1.61E-04	9.51E-04	0.00E+00	1.82E-04	1.38E-03	0.00E+00	3.05E-05	2.36E-04	0.00E+00	1.33E-05	9.44E-05	0.00E+00
3295	440748.9	3768623	1.61E-04	9.39E-04	0.00E+00	1.82E-04	1.36E-03	0.00E+00	3.05E-05	2.33E-04	0.00E+00	1.33E-05	9.32E-05	0.00E+00
3296	440717.1	3768515	1.61E-04	9.44E-04	0.00E+00	1.82E-04	1.37E-03	0.00E+00	3.05E-05	2.34E-04	0.00E+00	1.33E-05	9.37E-05	0.00E+00
3297	440720.9	3768506	1.61E-04	9.60E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.38E-04	0.00E+00	1.33E-05	9.53E-05	0.00E+00
3298	440724.8	3768497	1.61E-04	9.76E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.42E-04	0.00E+00	1.33E-05	9.69E-05	0.00E+00
3299	440728.6	3768488	1.61E-04	9.91E-04	0.00E+00	1.82E-04	1.44E-03	0.00E+00	3.05E-05	2.46E-04	0.00E+00	1.33E-05	9.84E-05	0.00E+00
3300	440732.4	3768479	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.50E-04	0.00E+00	1.33E-05	1.00E-04	0.00E+00
3301	440736.3	3768470	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.53E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
3302	440759.3	3768415	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.59E-03	0.00E+00	3.05E-05	2.71E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
3303	440763.2	3768406	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.74E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
3304	440767	3768397	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.62E-03	0.00E+00	3.05E-05	2.76E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
3305	440770.8	3768388	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.78E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
3306	440774.7	3768378	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.80E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
3307	440778.5	3768369	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.66E-03	0.00E+00	3.05E-05	2.83E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
3308	440782.3	3768360	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.85E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
3309	440786.2	3768351	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.87E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
3310	440790	3768342	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.70E-03	0.00E+00	3.05E-05	2.90E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
3311	440793.9	3768333	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.71E-03	0.00E+00	3.05E-05	2.92E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
3312	441191.7	3767928	1.61E-04	7.62E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.56E-05	0.00E+00
3313	441200.8	3767924	1.61E-04	7.50E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.44E-05	0.00E+00
3314	441210	3767920	1.61E-04	7.37E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.32E-05	0.00E+00
3315	441219.2	3767917	1.61E-04	7.23E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.17E-05	0.00E+00
3316	441228.3	3767913	1.61E-04	7.08E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.03E-05	0.00E+00
3317	441237.5	3767909	1.61E-04	6.94E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.89E-05	0.00E+00
3318	441246.7	3767905	1.61E-04	6.81E-04	0.00E+00	1.82E-04	9.89E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.76E-05	0.00E+00
3319	441255.8	3767902	1.61E-04	6.68E-04	0.00E+00	1.82E-04	9.71E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.63E-05	0.00E+00
3320	441265	3767898	1.61E-04	6.56E-04	0.00E+00	1.82E-04	9.53E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.51E-05	0.00E+00
3321	441274.2	3767894	1.61E-04	6.44E-04	0.00E+00	1.82E-04	9.36E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.39E-05	0.00E+00
3322	441283.3	3767890	1.61E-04	6.32E-04	0.00E+00	1.82E-04	9.19E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.28E-05	0.00E+00
3323	441292.5	3767887	1.61E-04	6.20E-04	0.00E+00	1.82E-04	9.02E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.16E-05	0.00E+00
3324	441301.6	3767883	1.61E-04	6.08E-04	0.00E+00	1.82E-04	8.84E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.04E-05	0.00E+00
3325	441310.8	3767879	1.61E-04	5.96E-04	0.00E+00	1.82E-04	8.66E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.91E-05	0.00E+00
3326	441320	3767875	1.61E-04	5.83E-04	0.00E+00	1.82E-04	8.48E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.79E-05	0.00E+00
3327	441329.1	3767872	1.61E-04	5.71E-04	0.00E+00	1.82E-04	8.31E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.67E-05	0.00E+00
3328	441338.3	3767868	1.61E-04	5.61E-04	0.00E+00	1.82E-04	8.16E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.57E-05	0.00E+00
3329	441347.5	3767864	1.61E-04	5.51E-04	0.00E+00	1.82E-04	8.01E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.47E-05	0.00E+00
3330	441356.6	3767860	1.61E-04	5.41E-04	0.00E+00	1.82E-04	7.86E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.37E-05	0.00E+00
3331	441365.8	3767857	1.61E-04	5.31E-04	0.00E+00	1.82E-04	7.71E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.27E-05	0.00E+00
3332	441375	3767853	1.61E-04	5.21E-04	0.00E+00	1.82E-04	7.58E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.17E-05	0.00E+00
3333	441384.1	3767849	1.61E-04	5.12E-04	0.00E+00	1.82E-04	7.45E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.09E-05	0.00E+00
3334	441393.3	3767845	1.61E-04	5.03E-04	0.00E+00	1.82E-04	7.31E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.00E-05	0.00E+00
3335	441402.5	3767842	1.61E-04	4.94E-04	0.00E+00	1.82E-04	7.19E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.91E-05	0.00E+00
3336	440709.2	3768563	1.61E-04	8.93E-04	0.00E+00	1.82E-04	1.30E-03	0.00E+00	3.05E-05	2.21E-04	0.00E+00	1.33E-05	8.86E-05	0.00E+00
3337	440709.2	3768573	1.61E-04	8.86E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.19E-04	0.00E+00	1.33E-05	8.79E-05	0.00E+00
3338	440709.1	3768583	1.61E-04	8.78E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.18E-04	0.00E+00	1.33E-05	8.72E-05	0.00E+00
3339	440709	3768593	1.61E-04	8.69E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.15E-04	0.00E+00	1.33E-05	8.62E-05	0.00E+00
3340	440709	3768603	1.61E-04	8.59E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.13E-04	0.00E+00	1.33E-05	8.52E-05	0.00E+00
3341	440708.9	3768613	1.61E-04	8.47E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.10E-04	0.00E+00	1.33E-05	8.41E-05	0.00E+00
3342	440708.9	3768623	1.61E-04	8.30E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.06E-04	0.00E+00	1.33E-05	8.24E-05	0.00E+00
3343	440677	3768515	1.61E-04	8.45E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.39E-05	0.00E+00
3344	440680.7	3768506	1.61E-04	8.59E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.13E-04	0.00E+00	1.33E-05	8.52E-05	0.00E+00
3345	440684.5	3768497	1.61E-04	8.72E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.16E-04	0.00E+00	1.33E-05	8.66E-05	0.00E+00
3346	440688.3	3768488	1.61E-04	8.86E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.19E-04	0.00E+00	1.33E-05	8.79E-05	0.00E+00
3347	440692.1	3768479	1.61E-04	8.99E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.23E-04	0.00E+00	1.33E-05	8.92E-05	0.00E+00
3348	440695.9	3768470	1.61E-04	9.12E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.26E-04	0.00E+00	1.33E-05	9.05E-05	0.00E+00
3349	440699.6	3768461	1.61E-04	9.24E-04	0.00E+00	1.82E-04	1.34E-03	0.00E+00	3.05E-05	2.29E-04	0.00E+00	1.33E-05	9.18E-05	0.00E+00
3350	440718.5	3768417	1.61E-04	9.78E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.42E-04	0.00E+00	1.33E-05	9.71E-05	0.00E+00
3351	440722.3	3768408	1.61E-04	9.87E-04	0.00E+00	1.82E-04	1.43E-03	0.00E+00	3.05E-05	2.45E-04	0.00E+00	1.33E-05	9.79E-05	0.00E+00
3352	440726.1	3768399	1.61E-04	9.95E-04	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.47E-04	0.00E+00	1.33E-05	9.88E-05	0.00E+00
3353	440729.9	3768390	1.61E-04	1.00E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.48E-04	0.00E+00	1.33E-05	9.95E-05	0.00E+00
3354	440733.6	3768381	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.51E-04	0.00E+00	1.33E-05	1.00E-04	0.00E+00
3355	440737.4	3768372	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.53E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
3356	440741.2	3768363	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.55E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
3357	440745	3768354	1.61E-04	1.04E-03	0.00E+00	1.82E-04	1.51E-03	0.00E+00	3.05E-05	2.57E-04	0.00E+00	1.33E-05	1.03E-04	0.00E+00

3358	440748.8	3768345	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.52E-03	0.00E+00	3.05E-05	2.60E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
3359	440752.5	3768336	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.54E-03	0.00E+00	3.05E-05	2.62E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
3360	440756.3	3768327	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.55E-03	0.00E+00	3.05E-05	2.64E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
3361	440760.1	3768318	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.66E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
3362	440763.9	3768309	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.57E-03	0.00E+00	3.05E-05	2.68E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
3363	440767.6	3768300	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.70E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
3364	440775.2	3768282	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.74E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
3365	440779	3768273	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.62E-03	0.00E+00	3.05E-05	2.75E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
3366	440782.8	3768264	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.62E-03	0.00E+00	3.05E-05	2.77E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
3367	440786.5	3768255	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.78E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
3368	440790.3	3768246	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
3369	440794.1	3768237	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
3370	440797.9	3768228	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
3371	440801.7	3768219	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
3372	441195.3	3767887	1.61E-04	6.84E-04	0.00E+00	1.82E-04	9.94E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.79E-05	0.00E+00
3373	441204.3	3767883	1.61E-04	6.73E-04	0.00E+00	1.82E-04	9.79E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.68E-05	0.00E+00
3374	441213.3	3767879	1.61E-04	6.63E-04	0.00E+00	1.82E-04	9.63E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.58E-05	0.00E+00
3375	441222.3	3767875	1.61E-04	6.52E-04	0.00E+00	1.82E-04	9.47E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.47E-05	0.00E+00
3376	441231.3	3767872	1.61E-04	6.41E-04	0.00E+00	1.82E-04	9.32E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.36E-05	0.00E+00
3377	441240.4	3767868	1.61E-04	6.31E-04	0.00E+00	1.82E-04	9.17E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.26E-05	0.00E+00
3378	441249.4	3767864	1.61E-04	6.20E-04	0.00E+00	1.82E-04	9.01E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.16E-05	0.00E+00
3379	441258.4	3767861	1.61E-04	6.10E-04	0.00E+00	1.82E-04	8.86E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.05E-05	0.00E+00
3380	441267.4	3767857	1.61E-04	5.99E-04	0.00E+00	1.82E-04	8.71E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.95E-05	0.00E+00
3381	441276.4	3767853	1.61E-04	5.89E-04	0.00E+00	1.82E-04	8.56E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.84E-05	0.00E+00
3382	441285.5	3767850	1.61E-04	5.78E-04	0.00E+00	1.82E-04	8.40E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.73E-05	0.00E+00
3383	441294.5	3767846	1.61E-04	5.66E-04	0.00E+00	1.82E-04	8.23E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.62E-05	0.00E+00
3384	441303.5	3767842	1.61E-04	5.56E-04	0.00E+00	1.82E-04	8.08E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.52E-05	0.00E+00
3385	441312.5	3767839	1.61E-04	5.45E-04	0.00E+00	1.82E-04	7.92E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.41E-05	0.00E+00
3386	441321.6	3767835	1.61E-04	5.34E-04	0.00E+00	1.82E-04	7.77E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
3387	441330.6	3767831	1.61E-04	5.24E-04	0.00E+00	1.82E-04	7.62E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.20E-05	0.00E+00
3388	441339.6	3767827	1.61E-04	5.15E-04	0.00E+00	1.82E-04	7.48E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.11E-05	0.00E+00
3389	441348.6	3767824	1.61E-04	5.06E-04	0.00E+00	1.82E-04	7.35E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.02E-05	0.00E+00
3390	441357.6	3767820	1.61E-04	4.97E-04	0.00E+00	1.82E-04	7.22E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.93E-05	0.00E+00
3391	441366.7	3767816	1.61E-04	4.88E-04	0.00E+00	1.82E-04	7.09E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.85E-05	0.00E+00
3392	441375.7	3767813	1.61E-04	4.79E-04	0.00E+00	1.82E-04	6.97E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.76E-05	0.00E+00
3393	441384.7	3767809	1.61E-04	4.71E-04	0.00E+00	1.82E-04	6.85E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.68E-05	0.00E+00
3394	441393.7	3767805	1.61E-04	4.63E-04	0.00E+00	1.82E-04	6.73E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.60E-05	0.00E+00
3395	441402.7	3767802	1.61E-04	4.55E-04	0.00E+00	1.82E-04	6.62E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.52E-05	0.00E+00
3396	440669.2	3768563	1.61E-04	8.02E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	1.99E-04	0.00E+00	1.33E-05	7.96E-05	0.00E+00
3397	440669.2	3768573	1.61E-04	7.95E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.97E-04	0.00E+00	1.33E-05	7.89E-05	0.00E+00
3398	440669.1	3768583	1.61E-04	7.88E-04	0.00E+00	1.82E-04	1.15E-03	0.00E+00	3.05E-05	1.95E-04	0.00E+00	1.33E-05	7.83E-05	0.00E+00
3399	440669	3768593	1.61E-04	7.80E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.93E-04	0.00E+00	1.33E-05	7.75E-05	0.00E+00
3400	440669	3768603	1.61E-04	7.72E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.66E-05	0.00E+00
3401	440668.9	3768613	1.61E-04	7.63E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.57E-05	0.00E+00
3402	440668.9	3768623	1.61E-04	7.50E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.45E-05	0.00E+00
3403	440637	3768515	1.61E-04	7.62E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.57E-05	0.00E+00
3404	440640.8	3768506	1.61E-04	7.74E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.68E-05	0.00E+00
3405	440644.6	3768497	1.61E-04	7.85E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.95E-04	0.00E+00	1.33E-05	7.80E-05	0.00E+00
3406	440648.3	3768488	1.61E-04	7.97E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.97E-04	0.00E+00	1.33E-05	7.91E-05	0.00E+00
3407	440652.1	3768479	1.61E-04	8.08E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	8.02E-05	0.00E+00
3408	440655.9	3768470	1.61E-04	8.20E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.03E-04	0.00E+00	1.33E-05	8.14E-05	0.00E+00
3409	440678.6	3768416	1.61E-04	8.82E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.18E-04	0.00E+00	1.33E-05	8.75E-05	0.00E+00
3410	440682.4	3768407	1.61E-04	8.91E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.21E-04	0.00E+00	1.33E-05	8.84E-05	0.00E+00
3411	440686.2	3768398	1.61E-04	8.99E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.23E-04	0.00E+00	1.33E-05	8.93E-05	0.00E+00
3412	440690	3768389	1.61E-04	9.07E-04	0.00E+00	1.82E-04	1.32E-03	0.00E+00	3.05E-05	2.25E-04	0.00E+00	1.33E-05	9.01E-05	0.00E+00
3413	440693.8	3768380	1.61E-04	9.16E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.27E-04	0.00E+00	1.33E-05	9.09E-05	0.00E+00
3414	440697.6	3768371	1.61E-04	9.24E-04	0.00E+00	1.82E-04	1.34E-03	0.00E+00	3.05E-05	2.29E-04	0.00E+00	1.33E-05	9.17E-05	0.00E+00
3415	440701.4	3768362	1.61E-04	9.31E-04	0.00E+00	1.82E-04	1.35E-03	0.00E+00	3.05E-05	2.31E-04	0.00E+00	1.33E-05	9.24E-05	0.00E+00
3416	440705.1	3768353	1.61E-04	9.39E-04	0.00E+00	1.82E-04	1.37E-03	0.00E+00	3.05E-05	2.33E-04	0.00E+00	1.33E-05	9.33E-05	0.00E+00
3417	440708.9	3768344	1.61E-04	9.48E-04	0.00E+00	1.82E-04	1.38E-03	0.00E+00	3.05E-05	2.35E-04	0.00E+00	1.33E-05	9.41E-05	0.00E+00
3418	440712.7	3768335	1.61E-04	9.56E-04	0.00E+00	1.82E-04	1.39E-03	0.00E+00	3.05E-05	2.37E-04	0.00E+00	1.33E-05	9.49E-05	0.00E+00
3419	440716.5	3768326	1.61E-04	9.63E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.39E-04	0.00E+00	1.33E-05	9.56E-05	0.00E+00
3420	440720.3	3768317	1.61E-04	9.71E-04	0.00E+00	1.82E-04	1.41E-03	0.00E+00	3.05E-05	2.41E-04	0.00E+00	1.33E-05	9.64E-05	0.00E+00
3421	440724.1	3768308	1.61E-04	9.79E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.43E-04	0.00E+00	1.33E-05	9.72E-05	0.00E+00
3422	440727.9	3768299	1.61E-04	9.87E-04	0.00E+00	1.82E-04	1.44E-03	0.00E+00	3.05E-05	2.45E-04	0.00E+00	1.33E-05	9.80E-05	0.00E+00
3423	440739.2	3768272	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.50E-04	0.00E+00	1.33E-05	1.00E-04	0.00E+00
3424	440743	3768263	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.51E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
3425	440746.8	3768254	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.52E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
3426	440750.6	3768245	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.53E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
3427	440754.4	3768236	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.54E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
3428	440758.2	3768227	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.55E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
3429	440762	3768218	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.55E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
3430	441194.9	3767847	1.61E-04	6.25E-04	0.00E+00	1.82E-04	9.09E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.21E-05	0.00E+00
3431	441204	3767843	1.61E-04	6.18E-04	0.00E+00	1.82E-04	8.99E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.14E-05	0.00E+00
3432	441213	3767839	1.61E-04	6.10E-04	0.00E+00	1.82E-04	8.86E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.05E-05	0.00E+00
3433	441222	3767836	1.61E-04	6.00E-04	0.00E+00	1.82E-04	8.72E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.95E-05	0.00E+00
3434	441231.1	3767832	1.61E-04	5.90E-04	0.00E+00	1.82E-04	8.57E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.86E-05	0.00E+00
3435	441240.1	3767828	1.61E-04	5.80E-04	0.00E+00	1.82E-04	8.43E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.76E-05	0.00E+00
3436	441249.2	3767825	1.61E-04	5.70E-04	0.00E+00	1.82E-04	8.29E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.66E-05	0.00E+00
3437	441258.2	3767821	1.61E-04	5.61E-04	0.00E+00	1.82E-04	8.15E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.57E-05	0.00E+00
3438	441267.2	3767817	1.61E-04	5.51E-04	0.00E+00	1.82E-04	8.01E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.47E-05	0.00E+00
3439	441276.3	3767813	1.61E-04	5.41E-04	0.00E+00	1.82E-04	7.86E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.37E-05	0.00E+00
3440	441285.3	3767810	1.61E-04	5.32E-04	0.00E+00	1.82E-04	7.73E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.28E-05	0.00E+00
3441	441294.4	3767806	1.61E-04	5.22E-04	0.00E+00	1.82E-04	7.59E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.19E-05	0.00E+00
3442	441303.4	3767802	1.61E-04	5.14E-04	0.00E+00	1.82E-04	7.46E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.10E-05	0.00E+00
3443	441312.4	3767799	1.61E-04	5.04E-04	0.00E+00	1.82E-04	7.33E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.01E-05	0.00E+00
3444	441321.5	3767795	1.61E-04	4.95E-04	0.00E+00	1.82E-04	7.20E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.92E-05	0.00E+00
3445	441330.5	3767791	1.61E-04	4.86E-04	0.00E+00	1.82E-04	7.07E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.83E-05	0.00E+00
3446	441339.6	3767787	1.61E-04	4.78E-04	0.00E+00	1.82E-04	6.94E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.74E-05	0.00E+00
3447	441348.6	3767784	1.61E-04	4.69E-04	0.00E+00	1.82E-04	6.82E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.66E-05	0.00E+00
3448	441357.6	3767780	1.61E-04	4.61E-04	0.00E+00	1.82E-04	6.70E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.57E-05	0.00E+00
3449	441366.7	3767776	1.61E-04	4.53E-04	0.00E+00	1.82E-04	6.58E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.50E-05	0.00E+00
3450	441375.7	3767773	1.61E-04	4.45E-04	0.00E+00	1.82E-04	6.47E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.42E-05	0.00E+00
3451	441384.8	3767769	1.61E-04	4.37E-04	0.00E+00	1.82E-04	6.36E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.34E-05	0.00E+00
3452	441393.8	3767765	1.61E-04	4.30E-04	0.00E+00	1.82E-04	6.25E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.27E-05	0.00E+00
3453	441402.8	3767762	1.61E-04	4.23E-04	0.00E+00	1.82E-04	6.14E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.20E-05	0.00E+00

3454	440629.2	3768563	1.61E-04	7.24E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.19E-05	0.00E+00
3455	440629.2	3768573	1.61E-04	7.18E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.13E-05	0.00E+00
3456	440629.1	3768583	1.61E-04	7.12E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.07E-05	0.00E+00
3457	440629	3768593	1.61E-04	7.05E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.00E-05	0.00E+00
3458	440629	3768602	1.61E-04	6.99E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.94E-05	0.00E+00
3459	440628.9	3768612	1.61E-04	6.92E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.87E-05	0.00E+00
3460	440628.9	3768622	1.61E-04	6.84E-04	0.00E+00	1.82E-04	9.94E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.79E-05	0.00E+00
3461	440608.4	3768488	1.61E-04	7.22E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.17E-05	0.00E+00
3462	440612.2	3768479	1.61E-04	7.32E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.81E-04	0.00E+00	1.33E-05	7.27E-05	0.00E+00
3463	440616	3768470	1.61E-04	7.42E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.37E-05	0.00E+00
3464	440638.7	3768416	1.61E-04	8.00E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.98E-04	0.00E+00	1.33E-05	7.94E-05	0.00E+00
3465	440642.5	3768407	1.61E-04	8.08E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	8.02E-05	0.00E+00
3466	440646.3	3768398	1.61E-04	8.17E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.02E-04	0.00E+00	1.33E-05	8.11E-05	0.00E+00
3467	440650.1	3768389	1.61E-04	8.25E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.04E-04	0.00E+00	1.33E-05	8.19E-05	0.00E+00
3468	440653.9	3768379	1.61E-04	8.34E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.07E-04	0.00E+00	1.33E-05	8.27E-05	0.00E+00
3469	440657.7	3768370	1.61E-04	8.42E-04	0.00E+00	1.82E-04	1.22E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.36E-05	0.00E+00
3470	440661.5	3768361	1.61E-04	8.51E-04	0.00E+00	1.82E-04	1.24E-03	0.00E+00	3.05E-05	2.11E-04	0.00E+00	1.33E-05	8.45E-05	0.00E+00
3471	440665.3	3768352	1.61E-04	8.60E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.13E-04	0.00E+00	1.33E-05	8.54E-05	0.00E+00
3472	440669.1	3768343	1.61E-04	8.69E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.15E-04	0.00E+00	1.33E-05	8.63E-05	0.00E+00
3473	440672.9	3768334	1.61E-04	8.76E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.17E-04	0.00E+00	1.33E-05	8.70E-05	0.00E+00
3474	440676.7	3768325	1.61E-04	8.83E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.19E-04	0.00E+00	1.33E-05	8.76E-05	0.00E+00
3475	440680.5	3768316	1.61E-04	8.89E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.20E-04	0.00E+00	1.33E-05	8.82E-05	0.00E+00
3476	440684.3	3768307	1.61E-04	8.94E-04	0.00E+00	1.82E-04	1.30E-03	0.00E+00	3.05E-05	2.22E-04	0.00E+00	1.33E-05	8.88E-05	0.00E+00
3477	440913.8	3767922	1.61E-04	8.08E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	8.03E-05	0.00E+00
3478	441076.8	3767855	1.61E-04	6.95E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.90E-05	0.00E+00
3479	441085.9	3767851	1.61E-04	6.87E-04	0.00E+00	1.82E-04	9.98E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.82E-05	0.00E+00
3480	441131.2	3767833	1.61E-04	6.41E-04	0.00E+00	1.82E-04	9.32E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.36E-05	0.00E+00
3481	441140.3	3767829	1.61E-04	6.31E-04	0.00E+00	1.82E-04	9.17E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.26E-05	0.00E+00
3482	441149.3	3767825	1.61E-04	6.21E-04	0.00E+00	1.82E-04	9.02E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.16E-05	0.00E+00
3483	441158.4	3767822	1.61E-04	6.12E-04	0.00E+00	1.82E-04	8.89E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.07E-05	0.00E+00
3484	441167.4	3767818	1.61E-04	6.03E-04	0.00E+00	1.82E-04	8.77E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	5.99E-05	0.00E+00
3485	441194.6	3767807	1.61E-04	5.79E-04	0.00E+00	1.82E-04	8.42E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.75E-05	0.00E+00
3486	441203.7	3767803	1.61E-04	5.71E-04	0.00E+00	1.82E-04	8.30E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.67E-05	0.00E+00
3487	441212.7	3767800	1.61E-04	5.62E-04	0.00E+00	1.82E-04	8.17E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.58E-05	0.00E+00
3488	441221.8	3767796	1.61E-04	5.53E-04	0.00E+00	1.82E-04	8.04E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.49E-05	0.00E+00
3489	441230.8	3767792	1.61E-04	5.43E-04	0.00E+00	1.82E-04	7.90E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.40E-05	0.00E+00
3490	441239.9	3767788	1.61E-04	5.34E-04	0.00E+00	1.82E-04	7.76E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
3491	441249	3767785	1.61E-04	5.24E-04	0.00E+00	1.82E-04	7.62E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.20E-05	0.00E+00
3492	441258	3767781	1.61E-04	5.15E-04	0.00E+00	1.82E-04	7.48E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.11E-05	0.00E+00
3493	441267.1	3767777	1.61E-04	5.05E-04	0.00E+00	1.82E-04	7.35E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.02E-05	0.00E+00
3494	441276.1	3767774	1.61E-04	4.97E-04	0.00E+00	1.82E-04	7.22E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.93E-05	0.00E+00
3495	441285.2	3767770	1.61E-04	4.89E-04	0.00E+00	1.82E-04	7.11E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.86E-05	0.00E+00
3496	441294.3	3767766	1.61E-04	4.82E-04	0.00E+00	1.82E-04	7.00E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.78E-05	0.00E+00
3497	441303.3	3767762	1.61E-04	4.74E-04	0.00E+00	1.82E-04	6.89E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.71E-05	0.00E+00
3498	441312.4	3767759	1.61E-04	4.66E-04	0.00E+00	1.82E-04	6.77E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.63E-05	0.00E+00
3499	441321.4	3767755	1.61E-04	4.58E-04	0.00E+00	1.82E-04	6.65E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.54E-05	0.00E+00
3500	441330.5	3767751	1.61E-04	4.50E-04	0.00E+00	1.82E-04	6.54E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.47E-05	0.00E+00
3501	441339.5	3767748	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.42E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
3502	441348.6	3767744	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.31E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
3503	441357.7	3767740	1.61E-04	4.27E-04	0.00E+00	1.82E-04	6.20E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.24E-05	0.00E+00
3504	441366.7	3767736	1.61E-04	4.20E-04	0.00E+00	1.82E-04	6.10E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
3505	441375.8	3767733	1.61E-04	4.13E-04	0.00E+00	1.82E-04	6.00E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.10E-05	0.00E+00
3506	441384.8	3767729	1.61E-04	4.07E-04	0.00E+00	1.82E-04	5.91E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.04E-05	0.00E+00
3507	441393.9	3767725	1.61E-04	4.00E-04	0.00E+00	1.82E-04	5.81E-04	0.00E+00	3.05E-05	9.91E-05	0.00E+00	1.33E-05	3.97E-05	0.00E+00
3508	441403	3767722	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.71E-04	0.00E+00	3.05E-05	9.73E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
3509	440557	3768515	1.61E-04	6.29E-04	0.00E+00	1.82E-04	9.14E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.24E-05	0.00E+00
3510	440560.8	3768506	1.61E-04	6.37E-04	0.00E+00	1.82E-04	9.26E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.33E-05	0.00E+00
3511	440564.6	3768496	1.61E-04	6.47E-04	0.00E+00	1.82E-04	9.40E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.42E-05	0.00E+00
3512	440568.4	3768487	1.61E-04	6.56E-04	0.00E+00	1.82E-04	9.53E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.51E-05	0.00E+00
3513	440572.2	3768478	1.61E-04	6.65E-04	0.00E+00	1.82E-04	9.67E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.60E-05	0.00E+00
3514	440576	3768469	1.61E-04	6.75E-04	0.00E+00	1.82E-04	9.81E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.70E-05	0.00E+00
3515	440610.2	3768388	1.61E-04	7.49E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.43E-05	0.00E+00
3516	440614	3768379	1.61E-04	7.55E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.50E-05	0.00E+00
3517	440617.8	3768370	1.61E-04	7.62E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.56E-05	0.00E+00
3518	440621.6	3768361	1.61E-04	7.68E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.63E-05	0.00E+00
3519	440625.4	3768352	1.61E-04	7.76E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.70E-05	0.00E+00
3520	440629.2	3768343	1.61E-04	7.84E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.78E-05	0.00E+00
3521	440633	3768334	1.61E-04	7.92E-04	0.00E+00	1.82E-04	1.15E-03	0.00E+00	3.05E-05	1.96E-04	0.00E+00	1.33E-05	7.86E-05	0.00E+00
3522	440636.8	3768325	1.61E-04	8.00E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.98E-04	0.00E+00	1.33E-05	7.94E-05	0.00E+00
3523	440640.6	3768316	1.61E-04	8.07E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	8.01E-05	0.00E+00
3524	440644.4	3768307	1.61E-04	8.14E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.02E-04	0.00E+00	1.33E-05	8.08E-05	0.00E+00
3525	440777.5	3767990	1.61E-04	8.20E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.03E-04	0.00E+00	1.33E-05	8.14E-05	0.00E+00
3526	440781.3	3767981	1.61E-04	8.12E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.01E-04	0.00E+00	1.33E-05	8.06E-05	0.00E+00
3527	440813.2	3767923	1.61E-04	7.63E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.57E-05	0.00E+00
3528	440822.3	3767920	1.61E-04	7.63E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.58E-05	0.00E+00
3529	440831.3	3767916	1.61E-04	7.64E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.58E-05	0.00E+00
3530	440840.4	3767912	1.61E-04	7.64E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.58E-05	0.00E+00
3531	440849.5	3767908	1.61E-04	7.63E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.58E-05	0.00E+00
3532	440858.6	3767905	1.61E-04	7.62E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.57E-05	0.00E+00
3533	440867.6	3767901	1.61E-04	7.61E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.55E-05	0.00E+00
3534	440876.7	3767897	1.61E-04	7.59E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.88E-04	0.00E+00	1.33E-05	7.53E-05	0.00E+00
3535	440885.8	3767893	1.61E-04	7.57E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.88E-04	0.00E+00	1.33E-05	7.51E-05	0.00E+00
3536	440894.9	3767890	1.61E-04	7.55E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.50E-05	0.00E+00
3537	440903.9	3767886	1.61E-04	7.53E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.47E-05	0.00E+00
3538	440913	3767882	1.61E-04	7.50E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.45E-05	0.00E+00
3539	440922.1	3767879	1.61E-04	7.47E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.85E-04	0.00E+00	1.33E-05	7.41E-05	0.00E+00
3540	440931.2	3767875	1.61E-04	7.42E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.37E-05	0.00E+00
3541	440940.2	3767871	1.61E-04	7.38E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.33E-05	0.00E+00
3542	440949.3	3767867	1.61E-04	7.33E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.28E-05	0.00E+00
3543	440958.4	3767864	1.61E-04	7.28E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.23E-05	0.00E+00
3544	440967.5	3767860	1.61E-04	7.23E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.18E-05	0.00E+00
3545	440976.5	3767856	1.61E-04	7.18E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.13E-05	0.00E+00
3546	440985.6	3767853	1.61E-04	7.12E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.06E-05	0.00E+00
3547	440994.7	3767849	1.61E-04	7.05E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.00E-05	0.00E+00
3548	441003.8	3767845	1.61E-04	6.97E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.92E-05	0.00E+00
3549	441012.8	3767841	1.61E-04	6.90E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.85E-05	0.00E+00

3550	441021.9	3767838	1.61E-04	6.82E-04	0.00E+00	1.82E-04	9.92E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.77E-05	0.00E+00
3551	441031	3767834	1.61E-04	6.74E-04	0.00E+00	1.82E-04	9.80E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.69E-05	0.00E+00
3552	441040.1	3767830	1.61E-04	6.67E-04	0.00E+00	1.82E-04	9.70E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.62E-05	0.00E+00
3553	441049.1	3767827	1.61E-04	6.60E-04	0.00E+00	1.82E-04	9.59E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.55E-05	0.00E+00
3554	441058.2	3767823	1.61E-04	6.52E-04	0.00E+00	1.82E-04	9.48E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.48E-05	0.00E+00
3555	441067.3	3767819	1.61E-04	6.45E-04	0.00E+00	1.82E-04	9.38E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.41E-05	0.00E+00
3556	441076.4	3767815	1.61E-04	6.39E-04	0.00E+00	1.82E-04	9.28E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.34E-05	0.00E+00
3557	441085.4	3767812	1.61E-04	6.32E-04	0.00E+00	1.82E-04	9.18E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.27E-05	0.00E+00
3558	441094.5	3767808	1.61E-04	6.24E-04	0.00E+00	1.82E-04	9.07E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.19E-05	0.00E+00
3559	441103.6	3767804	1.61E-04	6.16E-04	0.00E+00	1.82E-04	8.95E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.11E-05	0.00E+00
3560	441112.7	3767801	1.61E-04	6.08E-04	0.00E+00	1.82E-04	8.83E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.03E-05	0.00E+00
3561	441121.7	3767797	1.61E-04	5.99E-04	0.00E+00	1.82E-04	8.71E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.95E-05	0.00E+00
3562	441130.8	3767793	1.61E-04	5.92E-04	0.00E+00	1.82E-04	8.60E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.88E-05	0.00E+00
3563	441139.9	3767789	1.61E-04	5.84E-04	0.00E+00	1.82E-04	8.50E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.80E-05	0.00E+00
3564	441149	3767786	1.61E-04	5.77E-04	0.00E+00	1.82E-04	8.39E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.73E-05	0.00E+00
3565	441158	3767782	1.61E-04	5.70E-04	0.00E+00	1.82E-04	8.28E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.65E-05	0.00E+00
3566	441194.3	3767767	1.61E-04	5.38E-04	0.00E+00	1.82E-04	7.82E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.34E-05	0.00E+00
3567	441203.4	3767763	1.61E-04	5.28E-04	0.00E+00	1.82E-04	7.68E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.25E-05	0.00E+00
3568	441212.5	3767760	1.61E-04	5.19E-04	0.00E+00	1.82E-04	7.54E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.15E-05	0.00E+00
3569	441221.6	3767756	1.61E-04	5.09E-04	0.00E+00	1.82E-04	7.40E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.05E-05	0.00E+00
3570	441230.6	3767752	1.61E-04	4.99E-04	0.00E+00	1.82E-04	7.25E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.95E-05	0.00E+00
3571	441239.7	3767749	1.61E-04	4.89E-04	0.00E+00	1.82E-04	7.10E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.85E-05	0.00E+00
3572	441248.8	3767745	1.61E-04	4.80E-04	0.00E+00	1.82E-04	6.97E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.76E-05	0.00E+00
3573	441257.9	3767741	1.61E-04	4.71E-04	0.00E+00	1.82E-04	6.85E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.68E-05	0.00E+00
3574	441266.9	3767737	1.61E-04	4.63E-04	0.00E+00	1.82E-04	6.73E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.60E-05	0.00E+00
3575	441276	3767734	1.61E-04	4.56E-04	0.00E+00	1.82E-04	6.62E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.52E-05	0.00E+00
3576	441285.1	3767730	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.52E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.45E-05	0.00E+00
3577	441294.2	3767726	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.42E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
3578	441303.2	3767722	1.61E-04	4.35E-04	0.00E+00	1.82E-04	6.32E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.32E-05	0.00E+00
3579	441312.3	3767719	1.61E-04	4.28E-04	0.00E+00	1.82E-04	6.22E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.25E-05	0.00E+00
3580	441321.4	3767715	1.61E-04	4.21E-04	0.00E+00	1.82E-04	6.12E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.18E-05	0.00E+00
3581	441330.5	3767711	1.61E-04	4.14E-04	0.00E+00	1.82E-04	6.02E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.11E-05	0.00E+00
3582	441339.5	3767708	1.61E-04	4.08E-04	0.00E+00	1.82E-04	5.92E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.05E-05	0.00E+00
3583	441348.6	3767704	1.61E-04	4.01E-04	0.00E+00	1.82E-04	5.83E-04	0.00E+00	3.05E-05	9.94E-05	0.00E+00	1.33E-05	3.98E-05	0.00E+00
3584	441357.7	3767700	1.61E-04	3.95E-04	0.00E+00	1.82E-04	5.73E-04	0.00E+00	3.05E-05	9.78E-05	0.00E+00	1.33E-05	3.92E-05	0.00E+00
3585	441366.8	3767696	1.61E-04	3.89E-04	0.00E+00	1.82E-04	5.65E-04	0.00E+00	3.05E-05	9.63E-05	0.00E+00	1.33E-05	3.86E-05	0.00E+00
3586	441375.8	3767693	1.61E-04	3.83E-04	0.00E+00	1.82E-04	5.57E-04	0.00E+00	3.05E-05	9.49E-05	0.00E+00	1.33E-05	3.80E-05	0.00E+00
3587	441384.9	3767689	1.61E-04	3.77E-04	0.00E+00	1.82E-04	5.49E-04	0.00E+00	3.05E-05	9.35E-05	0.00E+00	1.33E-05	3.75E-05	0.00E+00
3588	441394	3767685	1.61E-04	3.71E-04	0.00E+00	1.82E-04	5.40E-04	0.00E+00	3.05E-05	9.20E-05	0.00E+00	1.33E-05	3.69E-05	0.00E+00
3589	441403.1	3767682	1.61E-04	3.65E-04	0.00E+00	1.82E-04	5.30E-04	0.00E+00	3.05E-05	9.04E-05	0.00E+00	1.33E-05	3.62E-05	0.00E+00
3590	440549.2	3768572	1.61E-04	5.97E-04	0.00E+00	1.82E-04	8.68E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.93E-05	0.00E+00
3591	440549.1	3768582	1.61E-04	5.92E-04	0.00E+00	1.82E-04	8.61E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.88E-05	0.00E+00
3592	440549.1	3768592	1.61E-04	5.87E-04	0.00E+00	1.82E-04	8.53E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.83E-05	0.00E+00
3593	440549	3768602	1.61E-04	5.81E-04	0.00E+00	1.82E-04	8.45E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.77E-05	0.00E+00
3594	440548.9	3768612	1.61E-04	5.76E-04	0.00E+00	1.82E-04	8.37E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.71E-05	0.00E+00
3595	440548.9	3768622	1.61E-04	5.69E-04	0.00E+00	1.82E-04	8.28E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.65E-05	0.00E+00
3596	440517	3768514	1.61E-04	5.77E-04	0.00E+00	1.82E-04	8.38E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.73E-05	0.00E+00
3597	440520.8	3768505	1.61E-04	5.84E-04	0.00E+00	1.82E-04	8.48E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.79E-05	0.00E+00
3598	440524.6	3768496	1.61E-04	5.91E-04	0.00E+00	1.82E-04	8.59E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.87E-05	0.00E+00
3599	440528.4	3768487	1.61E-04	5.99E-04	0.00E+00	1.82E-04	8.70E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.94E-05	0.00E+00
3600	440532.3	3768478	1.61E-04	6.06E-04	0.00E+00	1.82E-04	8.81E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.02E-05	0.00E+00
3601	440536.1	3768469	1.61E-04	6.15E-04	0.00E+00	1.82E-04	8.93E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.10E-05	0.00E+00
3602	440558.9	3768415	1.61E-04	6.61E-04	0.00E+00	1.82E-04	9.60E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.56E-05	0.00E+00
3603	440562.7	3768406	1.61E-04	6.68E-04	0.00E+00	1.82E-04	9.71E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.63E-05	0.00E+00
3604	440566.5	3768397	1.61E-04	6.75E-04	0.00E+00	1.82E-04	9.81E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.70E-05	0.00E+00
3605	440570.3	3768388	1.61E-04	6.81E-04	0.00E+00	1.82E-04	9.90E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.76E-05	0.00E+00
3606	440574.1	3768378	1.61E-04	6.88E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.83E-05	0.00E+00
3607	440741.7	3767980	1.61E-04	7.73E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.68E-05	0.00E+00
3608	440745.5	3767971	1.61E-04	7.66E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.61E-05	0.00E+00
3609	440749.3	3767962	1.61E-04	7.60E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.88E-04	0.00E+00	1.33E-05	7.55E-05	0.00E+00
3610	440753.1	3767953	1.61E-04	7.54E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.49E-05	0.00E+00
3611	440756.9	3767944	1.61E-04	7.49E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.43E-05	0.00E+00
3612	440760.7	3767935	1.61E-04	7.42E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.37E-05	0.00E+00
3613	440764.5	3767926	1.61E-04	7.34E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.29E-05	0.00E+00
3614	440794.1	3767891	1.61E-04	7.14E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.09E-05	0.00E+00
3615	440803.2	3767887	1.61E-04	7.14E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.09E-05	0.00E+00
3616	440812.3	3767884	1.61E-04	7.14E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.09E-05	0.00E+00
3617	440821.4	3767880	1.61E-04	7.14E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.09E-05	0.00E+00
3618	440830.5	3767876	1.61E-04	7.13E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.08E-05	0.00E+00
3619	440839.6	3767872	1.61E-04	7.12E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.06E-05	0.00E+00
3620	440848.7	3767869	1.61E-04	7.09E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.04E-05	0.00E+00
3621	440857.8	3767865	1.61E-04	7.08E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.02E-05	0.00E+00
3622	440866.9	3767861	1.61E-04	7.06E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.01E-05	0.00E+00
3623	440875.9	3767858	1.61E-04	7.04E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.99E-05	0.00E+00
3624	440885	3767854	1.61E-04	7.01E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.96E-05	0.00E+00
3625	440894.1	3767850	1.61E-04	6.98E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.93E-05	0.00E+00
3626	440903.2	3767846	1.61E-04	6.95E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.90E-05	0.00E+00
3627	440912.3	3767843	1.61E-04	6.92E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.87E-05	0.00E+00
3628	440921.4	3767839	1.61E-04	6.89E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.84E-05	0.00E+00
3629	440930.5	3767835	1.61E-04	6.86E-04	0.00E+00	1.82E-04	9.97E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.81E-05	0.00E+00
3630	440939.6	3767832	1.61E-04	6.82E-04	0.00E+00	1.82E-04	9.92E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.78E-05	0.00E+00
3631	440948.7	3767828	1.61E-04	6.78E-04	0.00E+00	1.82E-04	9.86E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.73E-05	0.00E+00
3632	440957.8	3767824	1.61E-04	6.73E-04	0.00E+00	1.82E-04	9.79E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.68E-05	0.00E+00
3633	440966.8	3767820	1.61E-04	6.68E-04	0.00E+00	1.82E-04	9.71E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.63E-05	0.00E+00
3634	440975.9	3767817	1.61E-04	6.62E-04	0.00E+00	1.82E-04	9.63E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.58E-05	0.00E+00
3635	440985	3767813	1.61E-04	6.57E-04	0.00E+00	1.82E-04	9.55E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.52E-05	0.00E+00
3636	440994.1	3767809	1.61E-04	6.51E-04	0.00E+00	1.82E-04	9.46E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.46E-05	0.00E+00
3637	441003.2	3767805	1.61E-04	6.44E-04	0.00E+00	1.82E-04	9.37E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.40E-05	0.00E+00
3638	441012.3	3767802	1.61E-04	6.37E-04	0.00E+00	1.82E-04	9.26E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.33E-05	0.00E+00
3639	441021.4	3767798	1.61E-04	6.30E-04	0.00E+00	1.82E-04	9.16E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.25E-05	0.00E+00
3640	441030.5	3767794	1.61E-04	6.23E-04	0.00E+00	1.82E-04	9.05E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.18E-05	0.00E+00
3641	441039.6	3767791	1.61E-04	6.17E-04	0.00E+00	1.82E-04	8.96E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.12E-05	0.00E+00
3642	441048.7	3767787	1.61E-04	6.11E-04	0.00E+00	1.82E-04	8.88E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.06E-05	0.00E+00
3643	441057.7	3767783	1.61E-04	6.04E-04	0.00E+00	1.82E-04	8.79E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.00E-05	0.00E+00
3644	441066.8	3767779	1.61E-04	5.97E-04	0.00E+00	1.82E-04	8.68E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.93E-05	0.00E+00
3645	441075.9	3767776	1.61E-04	5.90E-04	0.00E+00	1.82E-04	8.57E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.85E-05	0.00E+00

3646	441085	3767772	1.61E-04	5.82E-04	0.00E+00	1.82E-04	8.45E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.77E-05	0.00E+00
3647	441094.1	3767768	1.61E-04	5.74E-04	0.00E+00	1.82E-04	8.34E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.69E-05	0.00E+00
3648	441103.2	3767764	1.61E-04	5.66E-04	0.00E+00	1.82E-04	8.23E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.62E-05	0.00E+00
3649	441112.3	3767761	1.61E-04	5.58E-04	0.00E+00	1.82E-04	8.11E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.54E-05	0.00E+00
3650	441121.4	3767757	1.61E-04	5.51E-04	0.00E+00	1.82E-04	8.01E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.47E-05	0.00E+00
3651	441130.5	3767753	1.61E-04	5.45E-04	0.00E+00	1.82E-04	7.92E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.41E-05	0.00E+00
3652	441139.6	3767750	1.61E-04	5.39E-04	0.00E+00	1.82E-04	7.83E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.35E-05	0.00E+00
3653	441148.7	3767746	1.61E-04	5.33E-04	0.00E+00	1.82E-04	7.74E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.29E-05	0.00E+00
3654	441157.7	3767742	1.61E-04	5.26E-04	0.00E+00	1.82E-04	7.64E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.22E-05	0.00E+00
3655	441194.1	3767727	1.61E-04	4.94E-04	0.00E+00	1.82E-04	7.18E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.91E-05	0.00E+00
3656	441203.2	3767724	1.61E-04	4.85E-04	0.00E+00	1.82E-04	7.04E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.81E-05	0.00E+00
3657	441212.3	3767720	1.61E-04	4.75E-04	0.00E+00	1.82E-04	6.90E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.71E-05	0.00E+00
3658	441221.4	3767716	1.61E-04	4.66E-04	0.00E+00	1.82E-04	6.77E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.63E-05	0.00E+00
3659	441230.5	3767712	1.61E-04	4.57E-04	0.00E+00	1.82E-04	6.65E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.54E-05	0.00E+00
3660	441239.6	3767709	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.53E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
3661	441248.6	3767705	1.61E-04	4.43E-04	0.00E+00	1.82E-04	6.43E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
3662	441257.7	3767701	1.61E-04	4.36E-04	0.00E+00	1.82E-04	6.34E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.33E-05	0.00E+00
3663	441266.8	3767697	1.61E-04	4.30E-04	0.00E+00	1.82E-04	6.25E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.27E-05	0.00E+00
3664	441275.9	3767694	1.61E-04	4.23E-04	0.00E+00	1.82E-04	6.15E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.20E-05	0.00E+00
3665	441285	3767690	1.61E-04	4.17E-04	0.00E+00	1.82E-04	6.06E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.14E-05	0.00E+00
3666	441294.1	3767686	1.61E-04	4.10E-04	0.00E+00	1.82E-04	5.97E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.07E-05	0.00E+00
3667	441303.2	3767683	1.61E-04	4.04E-04	0.00E+00	1.82E-04	5.88E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.01E-05	0.00E+00
3668	441312.3	3767679	1.61E-04	3.98E-04	0.00E+00	1.82E-04	5.79E-04	0.00E+00	3.05E-05	9.87E-05	0.00E+00	1.33E-05	3.95E-05	0.00E+00
3669	441321.4	3767675	1.61E-04	3.92E-04	0.00E+00	1.82E-04	5.70E-04	0.00E+00	3.05E-05	9.72E-05	0.00E+00	1.33E-05	3.89E-05	0.00E+00
3670	441330.5	3767671	1.61E-04	3.86E-04	0.00E+00	1.82E-04	5.61E-04	0.00E+00	3.05E-05	9.57E-05	0.00E+00	1.33E-05	3.83E-05	0.00E+00
3671	441339.5	3767668	1.61E-04	3.80E-04	0.00E+00	1.82E-04	5.53E-04	0.00E+00	3.05E-05	9.42E-05	0.00E+00	1.33E-05	3.77E-05	0.00E+00
3672	441348.6	3767664	1.61E-04	3.75E-04	0.00E+00	1.82E-04	5.44E-04	0.00E+00	3.05E-05	9.28E-05	0.00E+00	1.33E-05	3.72E-05	0.00E+00
3673	441357.7	3767660	1.61E-04	3.69E-04	0.00E+00	1.82E-04	5.36E-04	0.00E+00	3.05E-05	9.14E-05	0.00E+00	1.33E-05	3.66E-05	0.00E+00
3674	441366.8	3767656	1.61E-04	3.63E-04	0.00E+00	1.82E-04	5.28E-04	0.00E+00	3.05E-05	9.01E-05	0.00E+00	1.33E-05	3.61E-05	0.00E+00
3675	441375.9	3767653	1.61E-04	3.58E-04	0.00E+00	1.82E-04	5.20E-04	0.00E+00	3.05E-05	8.87E-05	0.00E+00	1.33E-05	3.55E-05	0.00E+00
3676	441385	3767649	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.13E-04	0.00E+00	3.05E-05	8.74E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00
3677	441394.1	3767645	1.61E-04	3.47E-04	0.00E+00	1.82E-04	5.05E-04	0.00E+00	3.05E-05	8.61E-05	0.00E+00	1.33E-05	3.45E-05	0.00E+00
3678	441403.2	3767642	1.61E-04	3.42E-04	0.00E+00	1.82E-04	4.97E-04	0.00E+00	3.05E-05	8.48E-05	0.00E+00	1.33E-05	3.40E-05	0.00E+00
3679	440509.2	3768572	1.61E-04	5.48E-04	0.00E+00	1.82E-04	7.97E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.44E-05	0.00E+00
3680	440509.1	3768582	1.61E-04	5.44E-04	0.00E+00	1.82E-04	7.90E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.40E-05	0.00E+00
3681	440509.1	3768592	1.61E-04	5.39E-04	0.00E+00	1.82E-04	7.83E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.35E-05	0.00E+00
3682	440509	3768602	1.61E-04	5.34E-04	0.00E+00	1.82E-04	7.76E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
3683	440508.9	3768612	1.61E-04	5.29E-04	0.00E+00	1.82E-04	7.69E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.25E-05	0.00E+00
3684	440508.9	3768622	1.61E-04	5.24E-04	0.00E+00	1.82E-04	7.61E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.20E-05	0.00E+00
3685	441407.5	3768547	1.61E-04	2.10E-02	0.00E+00	1.82E-04	3.05E-02	0.00E+00	3.05E-05	5.21E-03	0.00E+00	1.33E-05	2.09E-03	0.00E+00
3686	441363.9	3767848	1.61E-04	5.22E-04	0.00E+00	1.82E-04	7.58E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.18E-05	0.00E+00
3687	441363.2	3767808	1.61E-04	4.82E-04	0.00E+00	1.82E-04	7.00E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.78E-05	0.00E+00
3688	441362.5	3767768	1.61E-04	4.48E-04	0.00E+00	1.82E-04	6.52E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.45E-05	0.00E+00
3689	441361.8	3767728	1.61E-04	4.14E-04	0.00E+00	1.82E-04	6.02E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.11E-05	0.00E+00
3690	441397.4	3768612	1.61E-04	3.08E-02	0.00E+00	1.82E-04	4.47E-02	0.00E+00	3.05E-05	7.62E-03	0.00E+00	1.33E-05	3.05E-03	0.00E+00
3691	441377.3	3768591	1.61E-04	2.22E-02	0.00E+00	1.82E-04	3.23E-02	0.00E+00	3.05E-05	5.51E-03	0.00E+00	1.33E-05	2.21E-03	0.00E+00
3692	441357.9	3768591	1.61E-04	2.23E-02	0.00E+00	1.82E-04	3.24E-02	0.00E+00	3.05E-05	5.53E-03	0.00E+00	1.33E-05	2.21E-03	0.00E+00
3693	441338.4	3768591	1.61E-04	2.25E-02	0.00E+00	1.82E-04	3.27E-02	0.00E+00	3.05E-05	5.57E-03	0.00E+00	1.33E-05	2.23E-03	0.00E+00
3694	441318.9	3768592	1.61E-04	2.21E-02	0.00E+00	1.82E-04	3.21E-02	0.00E+00	3.05E-05	5.48E-03	0.00E+00	1.33E-05	2.19E-03	0.00E+00
3695	441299.5	3768592	1.61E-04	2.12E-02	0.00E+00	1.82E-04	3.08E-02	0.00E+00	3.05E-05	5.26E-03	0.00E+00	1.33E-05	2.11E-03	0.00E+00
3696	441280	3768592	1.61E-04	2.06E-02	0.00E+00	1.82E-04	3.00E-02	0.00E+00	3.05E-05	5.11E-03	0.00E+00	1.33E-05	2.05E-03	0.00E+00
3697	441260.6	3768592	1.61E-04	1.93E-02	0.00E+00	1.82E-04	2.80E-02	0.00E+00	3.05E-05	4.78E-03	0.00E+00	1.33E-05	1.91E-03	0.00E+00
3698	441398.7	3768580	1.61E-04	2.35E-02	0.00E+00	1.82E-04	3.41E-02	0.00E+00	3.05E-05	5.82E-03	0.00E+00	1.33E-05	2.33E-03	0.00E+00
3699	441357.8	3768571	1.61E-04	1.77E-02	0.00E+00	1.82E-04	2.58E-02	0.00E+00	3.05E-05	4.39E-03	0.00E+00	1.33E-05	1.76E-03	0.00E+00
3700	441338.3	3768571	1.61E-04	1.69E-02	0.00E+00	1.82E-04	2.46E-02	0.00E+00	3.05E-05	4.20E-03	0.00E+00	1.33E-05	1.68E-03	0.00E+00
3701	441318.9	3768572	1.61E-04	1.65E-02	0.00E+00	1.82E-04	2.40E-02	0.00E+00	3.05E-05	4.10E-03	0.00E+00	1.33E-05	1.64E-03	0.00E+00
3702	441299.4	3768572	1.61E-04	1.61E-02	0.00E+00	1.82E-04	2.34E-02	0.00E+00	3.05E-05	4.00E-03	0.00E+00	1.33E-05	1.60E-03	0.00E+00
3703	441279.9	3768572	1.61E-04	1.57E-02	0.00E+00	1.82E-04	2.29E-02	0.00E+00	3.05E-05	3.90E-03	0.00E+00	1.33E-05	1.56E-03	0.00E+00
3704	441260.5	3768572	1.61E-04	1.49E-02	0.00E+00	1.82E-04	2.16E-02	0.00E+00	3.05E-05	3.69E-03	0.00E+00	1.33E-05	1.48E-03	0.00E+00
3705	441357.7	3768551	1.61E-04	1.44E-02	0.00E+00	1.82E-04	2.10E-02	0.00E+00	3.05E-05	3.57E-03	0.00E+00	1.33E-05	1.43E-03	0.00E+00
3706	441338.2	3768551	1.61E-04	1.35E-02	0.00E+00	1.82E-04	1.96E-02	0.00E+00	3.05E-05	3.34E-03	0.00E+00	1.33E-05	1.34E-03	0.00E+00
3707	441318.8	3768552	1.61E-04	1.30E-02	0.00E+00	1.82E-04	1.88E-02	0.00E+00	3.05E-05	3.21E-03	0.00E+00	1.33E-05	1.29E-03	0.00E+00
3708	441299.3	3768552	1.61E-04	1.25E-02	0.00E+00	1.82E-04	1.82E-02	0.00E+00	3.05E-05	3.11E-03	0.00E+00	1.33E-05	1.24E-03	0.00E+00
3709	441279.8	3768552	1.61E-04	1.23E-02	0.00E+00	1.82E-04	1.79E-02	0.00E+00	3.05E-05	3.04E-03	0.00E+00	1.33E-05	1.22E-03	0.00E+00
3710	441260.4	3768552	1.61E-04	1.18E-02	0.00E+00	1.82E-04	1.72E-02	0.00E+00	3.05E-05	2.93E-03	0.00E+00	1.33E-05	1.17E-03	0.00E+00
3711	441439.6	3768537	1.61E-04	2.01E-02	0.00E+00	1.82E-04	2.92E-02	0.00E+00	3.05E-05	4.98E-03	0.00E+00	1.33E-05	2.00E-03	0.00E+00
3712	441500.6	3768572	1.61E-04	2.44E-02	0.00E+00	1.82E-04	3.55E-02	0.00E+00	3.05E-05	6.06E-03	0.00E+00	1.33E-05	2.43E-03	0.00E+00
3713	441543.6	3768580	1.61E-04	1.24E-02	0.00E+00	1.82E-04	1.81E-02	0.00E+00	3.05E-05	3.09E-03	0.00E+00	1.33E-05	1.24E-03	0.00E+00
3714	441583.3	3768580	1.61E-04	8.02E-03	0.00E+00	1.82E-04	1.17E-02	0.00E+00	3.05E-05	1.99E-03	0.00E+00	1.33E-05	7.96E-04	0.00E+00
3715	441419.3	3768389	1.61E-04	3.30E-03	0.00E+00	1.82E-04	4.79E-03	0.00E+00	3.05E-05	8.17E-04	0.00E+00	1.33E-05	3.27E-04	0.00E+00
3716	441603.5	3768581	1.61E-04	6.86E-03	0.00E+00	1.82E-04	9.97E-03	0.00E+00	3.05E-05	1.70E-03	0.00E+00	1.33E-05	6.81E-04	0.00E+00
3717	441623.1	3768580	1.61E-04	5.86E-03	0.00E+00	1.82E-04	8.53E-03	0.00E+00	3.05E-05	1.45E-03	0.00E+00	1.33E-05	5.82E-04	0.00E+00
3718	441643.3	3768581	1.61E-04	5.15E-03	0.00E+00	1.82E-04	7.49E-03	0.00E+00	3.05E-05	1.28E-03	0.00E+00	1.33E-05	5.11E-04	0.00E+00
3719	441594.4	3768409	1.61E-04	1.74E-03	0.00E+00	1.82E-04	2.53E-03	0.00E+00	3.05E-05	4.32E-04	0.00E+00	1.33E-05	1.73E-04	0.00E+00
3720	441663	3768580	1.61E-04	4.54E-03	0.00E+00	1.82E-04	6.60E-03	0.00E+00	3.05E-05	1.13E-03	0.00E+00	1.33E-05	4.51E-04	0.00E+00
3721	441622.8	3768381	1.61E-04	1.40E-03	0.00E+00	1.82E-04	2.04E-03	0.00E+00	3.05E-05	3.47E-04	0.00E+00	1.33E-05	1.39E-04	0.00E+00
3722	441629.8	3768399	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.12E-03	0.00E+00	3.05E-05	3.61E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
3723	441703.4	3768582	1.61E-04	3.71E-03	0.00E+00	1.82E-04	5.40E-03	0.00E+00	3.05E-05	9.20E-04	0.00E+00	1.33E-05	3.69E-04	0.00E+00
3724	441463.4	3768268	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.15E-03	0.00E+00	3.05E-05	3.67E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
3725	441560	3768308	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.23E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
3726	441651.3	3768353	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.85E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
3727	441743.2	3768582	1.61E-04	3.08E-03	0.00E+00	1.82E-04	4.48E-03	0.00E+00	3.05E-05	7.63E-04	0.00E+00	1.33E-05	3.06E-04	0.00E+00
3728	441419.7	3768210	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.29E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
3729	441428.5	3768213	1.61E-04	1.32E-03	0.00E+00	1.82E-04	1.92E-03	0.00E+00	3.05E-05	3.28E-04	0.00E+00	1.33E-05	1.31E-04	0.00E+00
3730	441437.4	3768217	1.61E-04	1.32E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.26E-04	0.00E+00	1.33E-05	1.31E-04	0.00E+00
3731	441446.2	3768221	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.24E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
3732	441455.1	3768224	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.88E-03	0.00E+00	3.05E-05	3.21E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
3733	441463.9	3768228	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.85E-03	0.00E+00	3.05E-05	3.16E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
3734	441765.3	3768538	1.61E-04	2.06E-03	0.00E+00	1.82E-04	2.99E-03	0.00E+00	3.05E-05	5.11E-04	0.00E+00	1.33E-05	2.05E-04	0.00E+00
3735	441419.8	3768170	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.81E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
3736	441428.7	3768173	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.80E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
3737	441437.6	3768177	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
3738	441446.5	3768181	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
3739	441455.4	3768185	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.77E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
3740	441464.3	3768188	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.75E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
3741	441708.2	3768297	1.61E-04	8.15E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.02E-04	0.00E+00	1.33E-05	8.09E-05	0.00E+00

3742	441711.8	3768306	1.61E-04	8.24E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.04E-04	0.00E+00	1.33E-05	8.18E-05	0.00E+00
3743	441715.4	3768315	1.61E-04	8.34E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.07E-04	0.00E+00	1.33E-05	8.28E-05	0.00E+00
3744	441719	3768324	1.61E-04	8.43E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.37E-05	0.00E+00
3745	441722.6	3768333	1.61E-04	8.54E-04	0.00E+00	1.82E-04	1.24E-03	0.00E+00	3.05E-05	2.12E-04	0.00E+00	1.33E-05	8.48E-05	0.00E+00
3746	441726.2	3768342	1.61E-04	8.64E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.14E-04	0.00E+00	1.33E-05	8.58E-05	0.00E+00
3747	441729.7	3768351	1.61E-04	8.76E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.17E-04	0.00E+00	1.33E-05	8.70E-05	0.00E+00
3748	441733.3	3768360	1.61E-04	8.88E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.20E-04	0.00E+00	1.33E-05	8.82E-05	0.00E+00
3749	441736.9	3768368	1.61E-04	9.08E-04	0.00E+00	1.82E-04	1.32E-03	0.00E+00	3.05E-05	2.25E-04	0.00E+00	1.33E-05	9.01E-05	0.00E+00
3750	441740.5	3768377	1.61E-04	9.28E-04	0.00E+00	1.82E-04	1.35E-03	0.00E+00	3.05E-05	2.30E-04	0.00E+00	1.33E-05	9.21E-05	0.00E+00
3751	441744.1	3768386	1.61E-04	9.50E-04	0.00E+00	1.82E-04	1.38E-03	0.00E+00	3.05E-05	2.35E-04	0.00E+00	1.33E-05	9.43E-05	0.00E+00
3752	441776.4	3768467	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.86E-03	0.00E+00	3.05E-05	3.17E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
3753	441780	3768476	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.30E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
3754	441783.6	3768485	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.43E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
3755	441787.1	3768494	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.10E-03	0.00E+00	3.05E-05	3.57E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
3756	441790.7	3768503	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.19E-03	0.00E+00	3.05E-05	3.73E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
3757	441794.3	3768512	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.28E-03	0.00E+00	3.05E-05	3.90E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00
3758	441797.9	3768521	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.39E-03	0.00E+00	3.05E-05	4.08E-04	0.00E+00	1.33E-05	1.63E-04	0.00E+00
3759	441801.5	3768529	1.61E-04	1.72E-03	0.00E+00	1.82E-04	2.51E-03	0.00E+00	3.05E-05	4.27E-04	0.00E+00	1.33E-05	1.71E-04	0.00E+00
3760	441805.1	3768538	1.61E-04	1.81E-03	0.00E+00	1.82E-04	2.63E-03	0.00E+00	3.05E-05	4.48E-04	0.00E+00	1.33E-05	1.79E-04	0.00E+00
3761	441808.7	3768547	1.61E-04	1.89E-03	0.00E+00	1.82E-04	2.75E-03	0.00E+00	3.05E-05	4.69E-04	0.00E+00	1.33E-05	1.88E-04	0.00E+00
3762	441419.9	3768130	1.61E-04	9.77E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.42E-04	0.00E+00	1.33E-05	9.70E-05	0.00E+00
3763	441428.8	3768134	1.61E-04	9.77E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.42E-04	0.00E+00	1.33E-05	9.70E-05	0.00E+00
3764	441437.8	3768137	1.61E-04	9.75E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.42E-04	0.00E+00	1.33E-05	9.68E-05	0.00E+00
3765	441446.7	3768141	1.61E-04	9.71E-04	0.00E+00	1.82E-04	1.41E-03	0.00E+00	3.05E-05	2.41E-04	0.00E+00	1.33E-05	9.64E-05	0.00E+00
3766	441455.7	3768145	1.61E-04	9.66E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.39E-04	0.00E+00	1.33E-05	9.59E-05	0.00E+00
3767	441464.6	3768148	1.61E-04	9.61E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.38E-04	0.00E+00	1.33E-05	9.54E-05	0.00E+00
3768	441736.7	3768269	1.61E-04	7.12E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.07E-05	0.00E+00
3769	441740.3	3768278	1.61E-04	7.21E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.15E-05	0.00E+00
3770	441743.9	3768287	1.61E-04	7.29E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.81E-04	0.00E+00	1.33E-05	7.24E-05	0.00E+00
3771	441747.5	3768296	1.61E-04	7.38E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.33E-05	0.00E+00
3772	441751.1	3768305	1.61E-04	7.47E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.85E-04	0.00E+00	1.33E-05	7.42E-05	0.00E+00
3773	441754.7	3768314	1.61E-04	7.57E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.88E-04	0.00E+00	1.33E-05	7.51E-05	0.00E+00
3774	441758.3	3768323	1.61E-04	7.67E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.61E-05	0.00E+00
3775	441761.9	3768332	1.61E-04	7.77E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.71E-05	0.00E+00
3776	441765.5	3768341	1.61E-04	7.86E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.95E-04	0.00E+00	1.33E-05	7.81E-05	0.00E+00
3777	441769.2	3768350	1.61E-04	7.97E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.97E-04	0.00E+00	1.33E-05	7.91E-05	0.00E+00
3778	441772.8	3768359	1.61E-04	8.08E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	8.02E-05	0.00E+00
3779	441776.4	3768368	1.61E-04	8.24E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.04E-04	0.00E+00	1.33E-05	8.18E-05	0.00E+00
3780	441780	3768377	1.61E-04	8.42E-04	0.00E+00	1.82E-04	1.22E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.36E-05	0.00E+00
3781	441783.6	3768386	1.61E-04	8.62E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.14E-04	0.00E+00	1.33E-05	8.56E-05	0.00E+00
3782	441808.8	3768449	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.66E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
3783	441812.4	3768458	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.75E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
3784	441816	3768467	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.85E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
3785	441819.6	3768476	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.74E-03	0.00E+00	3.05E-05	2.97E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
3786	441823.3	3768485	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.81E-03	0.00E+00	3.05E-05	3.09E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
3787	441826.9	3768494	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.89E-03	0.00E+00	3.05E-05	3.22E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
3788	441830.5	3768503	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.97E-03	0.00E+00	3.05E-05	3.35E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
3789	441834.1	3768512	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.05E-03	0.00E+00	3.05E-05	3.50E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
3790	441418.9	3768090	1.61E-04	8.73E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.16E-04	0.00E+00	1.33E-05	8.66E-05	0.00E+00
3791	441427.6	3768093	1.61E-04	8.69E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.15E-04	0.00E+00	1.33E-05	8.63E-05	0.00E+00
3792	441436.4	3768097	1.61E-04	8.67E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.15E-04	0.00E+00	1.33E-05	8.60E-05	0.00E+00
3793	441445.2	3768100	1.61E-04	8.65E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.14E-04	0.00E+00	1.33E-05	8.59E-05	0.00E+00
3794	441454	3768104	1.61E-04	8.62E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.14E-04	0.00E+00	1.33E-05	8.56E-05	0.00E+00
3795	441462.8	3768108	1.61E-04	8.57E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.12E-04	0.00E+00	1.33E-05	8.51E-05	0.00E+00
3796	441765.1	3768241	1.61E-04	6.26E-04	0.00E+00	1.82E-04	9.10E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.21E-05	0.00E+00
3797	441768.6	3768249	1.61E-04	6.33E-04	0.00E+00	1.82E-04	9.20E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.28E-05	0.00E+00
3798	441772.2	3768258	1.61E-04	6.40E-04	0.00E+00	1.82E-04	9.31E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.36E-05	0.00E+00
3799	441775.7	3768267	1.61E-04	6.48E-04	0.00E+00	1.82E-04	9.42E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.43E-05	0.00E+00
3800	441779.2	3768276	1.61E-04	6.56E-04	0.00E+00	1.82E-04	9.54E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.51E-05	0.00E+00
3801	441782.8	3768285	1.61E-04	6.64E-04	0.00E+00	1.82E-04	9.65E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.59E-05	0.00E+00
3802	441786.3	3768294	1.61E-04	6.72E-04	0.00E+00	1.82E-04	9.77E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.67E-05	0.00E+00
3803	441789.9	3768302	1.61E-04	6.80E-04	0.00E+00	1.82E-04	9.89E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.75E-05	0.00E+00
3804	441793.4	3768311	1.61E-04	6.87E-04	0.00E+00	1.82E-04	9.99E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.82E-05	0.00E+00
3805	441797	3768320	1.61E-04	6.94E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.89E-05	0.00E+00
3806	441800.5	3768329	1.61E-04	7.02E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.97E-05	0.00E+00
3807	441804	3768338	1.61E-04	7.11E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.06E-05	0.00E+00
3808	441807.6	3768347	1.61E-04	7.22E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.17E-05	0.00E+00
3809	441811.1	3768355	1.61E-04	7.34E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.29E-05	0.00E+00
3810	441814.7	3768364	1.61E-04	7.49E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.44E-05	0.00E+00
3811	441818.2	3768373	1.61E-04	7.66E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.61E-05	0.00E+00
3812	441821.7	3768382	1.61E-04	7.85E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.95E-04	0.00E+00	1.33E-05	7.79E-05	0.00E+00
3813	441825.3	3768391	1.61E-04	8.05E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	1.99E-04	0.00E+00	1.33E-05	7.99E-05	0.00E+00
3814	441850.1	3768452	1.61E-04	9.95E-04	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.47E-04	0.00E+00	1.33E-05	9.88E-05	0.00E+00
3815	441853.6	3768461	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.55E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
3816	441857.2	3768470	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.55E-03	0.00E+00	3.05E-05	2.65E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
3817	441860.7	3768479	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.75E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
3818	441864.2	3768488	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.85E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
3819	441867.8	3768497	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.74E-03	0.00E+00	3.05E-05	2.96E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
3820	441885.5	3768541	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.12E-03	0.00E+00	3.05E-05	3.62E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
3821	441889	3768550	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.21E-03	0.00E+00	3.05E-05	3.76E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
3822	441892.6	3768558	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.29E-03	0.00E+00	3.05E-05	3.91E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00
3823	441896.1	3768567	1.61E-04	1.64E-03	0.00E+00	1.82E-04	2.38E-03	0.00E+00	3.05E-05	4.05E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
3824	441899.6	3768576	1.61E-04	1.69E-03	0.00E+00	1.82E-04	2.46E-03	0.00E+00	3.05E-05	4.20E-04	0.00E+00	1.33E-05	1.68E-04	0.00E+00
3825	441445.4	3768061	1.61E-04	7.81E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.75E-05	0.00E+00
3826	441454.3	3768064	1.61E-04	7.76E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.70E-05	0.00E+00
3827	441463.1	3768068	1.61E-04	7.70E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.64E-05	0.00E+00
3828	441793.6	3768213	1.61E-04	5.59E-04	0.00E+00	1.82E-04	8.12E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.55E-05	0.00E+00
3829	441797.1	3768221	1.61E-04	5.63E-04	0.00E+00	1.82E-04	8.19E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.59E-05	0.00E+00
3830	441800.7	3768230	1.61E-04	5.68E-04	0.00E+00	1.82E-04	8.25E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.64E-05	0.00E+00
3831	441804.2	3768239	1.61E-04	5.72E-04	0.00E+00	1.82E-04	8.31E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.68E-05	0.00E+00
3832	441807.8	3768248	1.61E-04	5.77E-04	0.00E+00	1.82E-04	8.39E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.73E-05	0.00E+00
3833	441811.4	3768257	1.61E-04	5.83E-04	0.00E+00	1.82E-04	8.47E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.79E-05	0.00E+00
3834	441814.9	3768266	1.61E-04	5.89E-04	0.00E+00	1.82E-04	8.56E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.84E-05	0.00E+00
3835	441818.5	3768275	1.61E-04	5.95E-04	0.00E+00	1.82E-04	8.66E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.91E-05	0.00E+00
3836	441822	3768284	1.61E-04	6.03E-04	0.00E+00	1.82E-04	8.77E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	5.99E-05	0.00E+00
3837	441825.6	3768292	1.61E-04	6.12E-04	0.00E+00	1.82E-04	8.89E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.07E-05	0.00E+00

3838	441829.2	3768301	1.61E-04	6.20E-04	0.00E+00	1.82E-04	9.02E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.16E-05	0.00E+00
3839	441832.7	3768310	1.61E-04	6.28E-04	0.00E+00	1.82E-04	9.13E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.24E-05	0.00E+00
3840	441836.3	3768319	1.61E-04	6.37E-04	0.00E+00	1.82E-04	9.26E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.33E-05	0.00E+00
3841	441839.8	3768328	1.61E-04	6.47E-04	0.00E+00	1.82E-04	9.41E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.42E-05	0.00E+00
3842	441843.4	3768337	1.61E-04	6.58E-04	0.00E+00	1.82E-04	9.56E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.53E-05	0.00E+00
3843	441847	3768346	1.61E-04	6.70E-04	0.00E+00	1.82E-04	9.73E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.65E-05	0.00E+00
3844	441850.5	3768355	1.61E-04	6.82E-04	0.00E+00	1.82E-04	9.92E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.77E-05	0.00E+00
3845	441854.1	3768363	1.61E-04	6.96E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.91E-05	0.00E+00
3846	441857.6	3768372	1.61E-04	7.13E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.08E-05	0.00E+00
3847	441861.2	3768381	1.61E-04	7.30E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.81E-04	0.00E+00	1.33E-05	7.25E-05	0.00E+00
3848	441864.8	3768390	1.61E-04	7.49E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.44E-05	0.00E+00
3849	441868.3	3768399	1.61E-04	7.68E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.62E-05	0.00E+00
3850	441889.7	3768452	1.61E-04	9.05E-04	0.00E+00	1.82E-04	1.32E-03	0.00E+00	3.05E-05	2.24E-04	0.00E+00	1.33E-05	8.99E-05	0.00E+00
3851	441893.3	3768461	1.61E-04	9.38E-04	0.00E+00	1.82E-04	1.36E-03	0.00E+00	3.05E-05	2.32E-04	0.00E+00	1.33E-05	9.31E-05	0.00E+00
3852	441896.8	3768470	1.61E-04	9.73E-04	0.00E+00	1.82E-04	1.41E-03	0.00E+00	3.05E-05	2.41E-04	0.00E+00	1.33E-05	9.65E-05	0.00E+00
3853	441900.4	3768479	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.50E-04	0.00E+00	1.33E-05	1.00E-04	0.00E+00
3854	441925.3	3768541	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.24E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
3855	441928.9	3768550	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.97E-03	0.00E+00	3.05E-05	3.36E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
3856	441932.4	3768559	1.61E-04	1.40E-03	0.00E+00	1.82E-04	2.04E-03	0.00E+00	3.05E-05	3.47E-04	0.00E+00	1.33E-05	1.39E-04	0.00E+00
3857	441383.4	3767995	1.61E-04	7.25E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.20E-05	0.00E+00
3858	441418.9	3768010	1.61E-04	7.22E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.17E-05	0.00E+00
3859	441427.8	3768013	1.61E-04	7.18E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.13E-05	0.00E+00
3860	441436.7	3768017	1.61E-04	7.13E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.08E-05	0.00E+00
3861	441445.6	3768021	1.61E-04	7.08E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.03E-05	0.00E+00
3862	441454.5	3768024	1.61E-04	7.01E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.96E-05	0.00E+00
3863	441463.3	3768028	1.61E-04	6.93E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.88E-05	0.00E+00
3864	441822	3768184	1.61E-04	5.03E-04	0.00E+00	1.82E-04	7.31E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	4.99E-05	0.00E+00
3865	441825.6	3768193	1.61E-04	5.06E-04	0.00E+00	1.82E-04	7.36E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.02E-05	0.00E+00
3866	441829.2	3768202	1.61E-04	5.09E-04	0.00E+00	1.82E-04	7.41E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.06E-05	0.00E+00
3867	441832.8	3768211	1.61E-04	5.13E-04	0.00E+00	1.82E-04	7.45E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.09E-05	0.00E+00
3868	441836.3	3768220	1.61E-04	5.17E-04	0.00E+00	1.82E-04	7.51E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.13E-05	0.00E+00
3869	441839.9	3768229	1.61E-04	5.21E-04	0.00E+00	1.82E-04	7.57E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.17E-05	0.00E+00
3870	441843.5	3768238	1.61E-04	5.26E-04	0.00E+00	1.82E-04	7.64E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.22E-05	0.00E+00
3871	441847.1	3768247	1.61E-04	5.31E-04	0.00E+00	1.82E-04	7.71E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.27E-05	0.00E+00
3872	441850.6	3768256	1.61E-04	5.36E-04	0.00E+00	1.82E-04	7.79E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.32E-05	0.00E+00
3873	441854.2	3768265	1.61E-04	5.42E-04	0.00E+00	1.82E-04	7.87E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.38E-05	0.00E+00
3874	441857.8	3768274	1.61E-04	5.48E-04	0.00E+00	1.82E-04	7.97E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.44E-05	0.00E+00
3875	441861.4	3768283	1.61E-04	5.57E-04	0.00E+00	1.82E-04	8.09E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.53E-05	0.00E+00
3876	441865	3768291	1.61E-04	5.66E-04	0.00E+00	1.82E-04	8.22E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.62E-05	0.00E+00
3877	441868.5	3768300	1.61E-04	5.75E-04	0.00E+00	1.82E-04	8.37E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.71E-05	0.00E+00
3878	441872.1	3768309	1.61E-04	5.84E-04	0.00E+00	1.82E-04	8.49E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.80E-05	0.00E+00
3879	441875.7	3768318	1.61E-04	5.93E-04	0.00E+00	1.82E-04	8.62E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.89E-05	0.00E+00
3880	441879.3	3768327	1.61E-04	6.03E-04	0.00E+00	1.82E-04	8.76E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.99E-05	0.00E+00
3881	441882.8	3768336	1.61E-04	6.14E-04	0.00E+00	1.82E-04	8.92E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.09E-05	0.00E+00
3882	441886.4	3768345	1.61E-04	6.25E-04	0.00E+00	1.82E-04	9.09E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.20E-05	0.00E+00
3883	441890	3768354	1.61E-04	6.37E-04	0.00E+00	1.82E-04	9.26E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.33E-05	0.00E+00
3884	441893.6	3768363	1.61E-04	6.50E-04	0.00E+00	1.82E-04	9.45E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.46E-05	0.00E+00
3885	441897.2	3768372	1.61E-04	6.63E-04	0.00E+00	1.82E-04	9.64E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.59E-05	0.00E+00
3886	441900.7	3768381	1.61E-04	6.77E-04	0.00E+00	1.82E-04	9.84E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.72E-05	0.00E+00
3887	441904.3	3768390	1.61E-04	6.92E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.87E-05	0.00E+00
3888	441907.9	3768399	1.61E-04	7.09E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.04E-05	0.00E+00
3889	441929.4	3768452	1.61E-04	8.40E-04	0.00E+00	1.82E-04	1.22E-03	0.00E+00	3.05E-05	2.08E-04	0.00E+00	1.33E-05	8.34E-05	0.00E+00
3890	441932.9	3768461	1.61E-04	8.69E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.15E-04	0.00E+00	1.33E-05	8.63E-05	0.00E+00
3891	441374.6	3767991	1.61E-04	7.26E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.20E-05	0.00E+00
3892	441364.8	3767991	1.61E-04	7.33E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.28E-05	0.00E+00
3893	441355.1	3767991	1.61E-04	7.42E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.36E-05	0.00E+00
3894	441296.7	3767992	1.61E-04	8.04E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	1.99E-04	0.00E+00	1.33E-05	7.98E-05	0.00E+00
3895	441287	3767992	1.61E-04	8.16E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.02E-04	0.00E+00	1.33E-05	8.11E-05	0.00E+00
3896	441277.2	3767992	1.61E-04	8.29E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.05E-04	0.00E+00	1.33E-05	8.23E-05	0.00E+00
3897	441267.5	3767992	1.61E-04	8.41E-04	0.00E+00	1.82E-04	1.22E-03	0.00E+00	3.05E-05	2.08E-04	0.00E+00	1.33E-05	8.35E-05	0.00E+00
3898	441257.8	3767992	1.61E-04	8.52E-04	0.00E+00	1.82E-04	1.24E-03	0.00E+00	3.05E-05	2.11E-04	0.00E+00	1.33E-05	8.46E-05	0.00E+00
3899	441383.3	3767955	1.61E-04	6.56E-04	0.00E+00	1.82E-04	9.54E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.51E-05	0.00E+00
3900	441419	3767970	1.61E-04	6.53E-04	0.00E+00	1.82E-04	9.50E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.48E-05	0.00E+00
3901	441427.9	3767973	1.61E-04	6.50E-04	0.00E+00	1.82E-04	9.45E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.45E-05	0.00E+00
3902	441436.8	3767977	1.61E-04	6.47E-04	0.00E+00	1.82E-04	9.40E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.42E-05	0.00E+00
3903	441445.7	3767981	1.61E-04	6.43E-04	0.00E+00	1.82E-04	9.35E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.39E-05	0.00E+00
3904	441454.6	3767985	1.61E-04	6.39E-04	0.00E+00	1.82E-04	9.28E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.34E-05	0.00E+00
3905	441463.5	3767988	1.61E-04	6.32E-04	0.00E+00	1.82E-04	9.19E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.28E-05	0.00E+00
3906	441850.5	3768156	1.61E-04	4.51E-04	0.00E+00	1.82E-04	6.56E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.48E-05	0.00E+00
3907	441854.1	3768165	1.61E-04	4.54E-04	0.00E+00	1.82E-04	6.60E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.51E-05	0.00E+00
3908	441857.7	3768174	1.61E-04	4.58E-04	0.00E+00	1.82E-04	6.65E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.54E-05	0.00E+00
3909	441861.3	3768183	1.61E-04	4.61E-04	0.00E+00	1.82E-04	6.70E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.57E-05	0.00E+00
3910	441864.9	3768192	1.61E-04	4.64E-04	0.00E+00	1.82E-04	6.75E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.61E-05	0.00E+00
3911	441868.5	3768201	1.61E-04	4.68E-04	0.00E+00	1.82E-04	6.81E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.65E-05	0.00E+00
3912	441872.1	3768210	1.61E-04	4.73E-04	0.00E+00	1.82E-04	6.87E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.69E-05	0.00E+00
3913	441875.6	3768219	1.61E-04	4.77E-04	0.00E+00	1.82E-04	6.93E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.73E-05	0.00E+00
3914	441879.2	3768228	1.61E-04	4.81E-04	0.00E+00	1.82E-04	6.99E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.78E-05	0.00E+00
3915	441882.8	3768237	1.61E-04	4.86E-04	0.00E+00	1.82E-04	7.06E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.82E-05	0.00E+00
3916	441886.4	3768246	1.61E-04	4.91E-04	0.00E+00	1.82E-04	7.14E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.87E-05	0.00E+00
3917	441890	3768255	1.61E-04	4.96E-04	0.00E+00	1.82E-04	7.21E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.93E-05	0.00E+00
3918	441893.6	3768264	1.61E-04	5.02E-04	0.00E+00	1.82E-04	7.29E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.98E-05	0.00E+00
3919	441897.2	3768273	1.61E-04	5.08E-04	0.00E+00	1.82E-04	7.39E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.05E-05	0.00E+00
3920	441900.8	3768282	1.61E-04	5.17E-04	0.00E+00	1.82E-04	7.51E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.13E-05	0.00E+00
3921	441904.4	3768291	1.61E-04	5.25E-04	0.00E+00	1.82E-04	7.64E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.21E-05	0.00E+00
3922	441908	3768300	1.61E-04	5.34E-04	0.00E+00	1.82E-04	7.77E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
3923	441911.6	3768309	1.61E-04	5.43E-04	0.00E+00	1.82E-04	7.90E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.40E-05	0.00E+00
3924	441915.2	3768318	1.61E-04	5.53E-04	0.00E+00	1.82E-04	8.04E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.49E-05	0.00E+00
3925	441918.8	3768327	1.61E-04	5.64E-04	0.00E+00	1.82E-04	8.20E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.60E-05	0.00E+00
3926	441922.4	3768336	1.61E-04	5.75E-04	0.00E+00	1.82E-04	8.35E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.70E-05	0.00E+00
3927	441925.9	3768345	1.61E-04	5.85E-04	0.00E+00	1.82E-04	8.50E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.81E-05	0.00E+00
3928	441929.5	3768353	1.61E-04	5.96E-04	0.00E+00	1.82E-04	8.66E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.91E-05	0.00E+00
3929	441933.1	3768362	1.61E-04	6.07E-04	0.00E+00	1.82E-04	8.82E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.02E-05	0.00E+00
3930	441936.7	3768371	1.61E-04	6.19E-04	0.00E+00	1.82E-04	9.00E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.15E-05	0.00E+00
3931	441940.3	3768380	1.61E-04	6.33E-04	0.00E+00	1.82E-04	9.20E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.28E-05	0.00E+00
3932	441943.9	3768389	1.61E-04	6.47E-04	0.00E+00	1.82E-04	9.41E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.43E-05	0.00E+00
3933	441947.5	3768398	1.61E-04	6.64E-04	0.00E+00	1.82E-04	9.65E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.59E-05	0.00E+00

3934	442015.8	3768568	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.74E-03	0.00E+00	3.05E-05	2.97E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
3935	442019.4	3768577	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.79E-03	0.00E+00	3.05E-05	3.05E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
3936	442023	3768586	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.85E-03	0.00E+00	3.05E-05	3.15E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
3937	441374.4	3767951	1.61E-04	6.57E-04	0.00E+00	1.82E-04	9.56E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.53E-05	0.00E+00
3938	441364.6	3767951	1.61E-04	6.65E-04	0.00E+00	1.82E-04	9.67E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.60E-05	0.00E+00
3939	441354.9	3767951	1.61E-04	6.73E-04	0.00E+00	1.82E-04	9.79E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.68E-05	0.00E+00
3940	441296.5	3767952	1.61E-04	7.23E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.17E-05	0.00E+00
3941	441286.8	3767952	1.61E-04	7.32E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.81E-04	0.00E+00	1.33E-05	7.27E-05	0.00E+00
3942	441277.1	3767952	1.61E-04	7.41E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.36E-05	0.00E+00
3943	441267.3	3767952	1.61E-04	7.50E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.45E-05	0.00E+00
3944	441257.6	3767952	1.61E-04	7.59E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.88E-04	0.00E+00	1.33E-05	7.54E-05	0.00E+00
3945	441383.1	3767915	1.61E-04	5.96E-04	0.00E+00	1.82E-04	8.67E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.92E-05	0.00E+00
3946	441418.9	3767930	1.61E-04	5.89E-04	0.00E+00	1.82E-04	8.57E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.85E-05	0.00E+00
3947	441427.9	3767934	1.61E-04	5.87E-04	0.00E+00	1.82E-04	8.53E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.82E-05	0.00E+00
3948	441436.8	3767937	1.61E-04	5.84E-04	0.00E+00	1.82E-04	8.48E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.79E-05	0.00E+00
3949	441445.8	3767941	1.61E-04	5.80E-04	0.00E+00	1.82E-04	8.44E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.76E-05	0.00E+00
3950	441454.7	3767945	1.61E-04	5.78E-04	0.00E+00	1.82E-04	8.40E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.74E-05	0.00E+00
3951	441463.7	3767948	1.61E-04	5.76E-04	0.00E+00	1.82E-04	8.37E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.71E-05	0.00E+00
3952	441879	3768128	1.61E-04	4.09E-04	0.00E+00	1.82E-04	5.95E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.06E-05	0.00E+00
3953	441882.6	3768137	1.61E-04	4.12E-04	0.00E+00	1.82E-04	5.98E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.09E-05	0.00E+00
3954	441886.2	3768146	1.61E-04	4.14E-04	0.00E+00	1.82E-04	6.02E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.11E-05	0.00E+00
3955	441889.8	3768155	1.61E-04	4.17E-04	0.00E+00	1.82E-04	6.06E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.14E-05	0.00E+00
3956	441893.4	3768164	1.61E-04	4.20E-04	0.00E+00	1.82E-04	6.10E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.17E-05	0.00E+00
3957	441897	3768173	1.61E-04	4.23E-04	0.00E+00	1.82E-04	6.14E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.20E-05	0.00E+00
3958	441900.6	3768182	1.61E-04	4.26E-04	0.00E+00	1.82E-04	6.19E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.23E-05	0.00E+00
3959	441904.2	3768191	1.61E-04	4.29E-04	0.00E+00	1.82E-04	6.24E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.26E-05	0.00E+00
3960	441907.8	3768200	1.61E-04	4.33E-04	0.00E+00	1.82E-04	6.29E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.30E-05	0.00E+00
3961	441911.4	3768209	1.61E-04	4.37E-04	0.00E+00	1.82E-04	6.35E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.34E-05	0.00E+00
3962	441915	3768218	1.61E-04	4.41E-04	0.00E+00	1.82E-04	6.42E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.38E-05	0.00E+00
3963	441918.6	3768227	1.61E-04	4.46E-04	0.00E+00	1.82E-04	6.49E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.43E-05	0.00E+00
3964	441922.2	3768236	1.61E-04	4.52E-04	0.00E+00	1.82E-04	6.57E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.48E-05	0.00E+00
3965	441925.8	3768245	1.61E-04	4.57E-04	0.00E+00	1.82E-04	6.65E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.54E-05	0.00E+00
3966	441929.5	3768254	1.61E-04	4.63E-04	0.00E+00	1.82E-04	6.73E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.60E-05	0.00E+00
3967	441933.1	3768263	1.61E-04	4.69E-04	0.00E+00	1.82E-04	6.82E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.66E-05	0.00E+00
3968	441936.7	3768272	1.61E-04	4.76E-04	0.00E+00	1.82E-04	6.91E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.72E-05	0.00E+00
3969	441940.3	3768281	1.61E-04	4.83E-04	0.00E+00	1.82E-04	7.02E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.79E-05	0.00E+00
3970	441943.9	3768290	1.61E-04	4.90E-04	0.00E+00	1.82E-04	7.13E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.87E-05	0.00E+00
3971	441947.5	3768299	1.61E-04	4.99E-04	0.00E+00	1.82E-04	7.25E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.95E-05	0.00E+00
3972	441951.1	3768308	1.61E-04	5.08E-04	0.00E+00	1.82E-04	7.38E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.04E-05	0.00E+00
3973	441954.7	3768317	1.61E-04	5.17E-04	0.00E+00	1.82E-04	7.51E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.13E-05	0.00E+00
3974	441958.3	3768326	1.61E-04	5.26E-04	0.00E+00	1.82E-04	7.65E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.22E-05	0.00E+00
3975	441961.9	3768335	1.61E-04	5.36E-04	0.00E+00	1.82E-04	7.79E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.32E-05	0.00E+00
3976	441965.5	3768344	1.61E-04	5.46E-04	0.00E+00	1.82E-04	7.93E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.42E-05	0.00E+00
3977	442052.1	3768560	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.55E-03	0.00E+00	3.05E-05	2.65E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
3978	442055.7	3768569	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.73E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
3979	442059.3	3768578	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.82E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
3980	442062.9	3768587	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.71E-03	0.00E+00	3.05E-05	2.91E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
3981	442066.5	3768596	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.76E-03	0.00E+00	3.05E-05	3.01E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
3982	441374.2	3767911	1.61E-04	5.97E-04	0.00E+00	1.82E-04	8.68E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.93E-05	0.00E+00
3983	441364.5	3767911	1.61E-04	6.04E-04	0.00E+00	1.82E-04	8.77E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	5.99E-05	0.00E+00
3984	441354.7	3767911	1.61E-04	6.11E-04	0.00E+00	1.82E-04	8.88E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.06E-05	0.00E+00
3985	441296.3	3767912	1.61E-04	6.56E-04	0.00E+00	1.82E-04	9.54E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.52E-05	0.00E+00
3986	441286.6	3767912	1.61E-04	6.63E-04	0.00E+00	1.82E-04	9.64E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.58E-05	0.00E+00
3987	441276.9	3767912	1.61E-04	6.69E-04	0.00E+00	1.82E-04	9.73E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.64E-05	0.00E+00
3988	441267.1	3767912	1.61E-04	6.76E-04	0.00E+00	1.82E-04	9.83E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.71E-05	0.00E+00
3989	441257.4	3767912	1.61E-04	6.83E-04	0.00E+00	1.82E-04	9.93E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.78E-05	0.00E+00
3990	441383	3767875	1.61E-04	5.41E-04	0.00E+00	1.82E-04	7.87E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.37E-05	0.00E+00
3991	441418.9	3767890	1.61E-04	5.39E-04	0.00E+00	1.82E-04	7.84E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.35E-05	0.00E+00
3992	441427.9	3767894	1.61E-04	5.37E-04	0.00E+00	1.82E-04	7.80E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.33E-05	0.00E+00
3993	441436.9	3767897	1.61E-04	5.34E-04	0.00E+00	1.82E-04	7.76E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
3994	441445.8	3767901	1.61E-04	5.31E-04	0.00E+00	1.82E-04	7.72E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.27E-05	0.00E+00
3995	441454.8	3767905	1.61E-04	5.28E-04	0.00E+00	1.82E-04	7.68E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.25E-05	0.00E+00
3996	441463.8	3767909	1.61E-04	5.27E-04	0.00E+00	1.82E-04	7.66E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.23E-05	0.00E+00
3997	441907.4	3768100	1.61E-04	3.74E-04	0.00E+00	1.82E-04	5.44E-04	0.00E+00	3.05E-05	9.28E-05	0.00E+00	1.33E-05	3.72E-05	0.00E+00
3998	441911	3768109	1.61E-04	3.76E-04	0.00E+00	1.82E-04	5.47E-04	0.00E+00	3.05E-05	9.32E-05	0.00E+00	1.33E-05	3.73E-05	0.00E+00
3999	441914.7	3768118	1.61E-04	3.78E-04	0.00E+00	1.82E-04	5.49E-04	0.00E+00	3.05E-05	9.36E-05	0.00E+00	1.33E-05	3.75E-05	0.00E+00
4000	441918.3	3768127	1.61E-04	3.80E-04	0.00E+00	1.82E-04	5.53E-04	0.00E+00	3.05E-05	9.42E-05	0.00E+00	1.33E-05	3.77E-05	0.00E+00
4001	441921.9	3768136	1.61E-04	3.83E-04	0.00E+00	1.82E-04	5.56E-04	0.00E+00	3.05E-05	9.48E-05	0.00E+00	1.33E-05	3.80E-05	0.00E+00
4002	441925.5	3768145	1.61E-04	3.85E-04	0.00E+00	1.82E-04	5.60E-04	0.00E+00	3.05E-05	9.55E-05	0.00E+00	1.33E-05	3.83E-05	0.00E+00
4003	441929.1	3768154	1.61E-04	3.88E-04	0.00E+00	1.82E-04	5.64E-04	0.00E+00	3.05E-05	9.62E-05	0.00E+00	1.33E-05	3.85E-05	0.00E+00
4004	441932.8	3768163	1.61E-04	3.91E-04	0.00E+00	1.82E-04	5.68E-04	0.00E+00	3.05E-05	9.69E-05	0.00E+00	1.33E-05	3.88E-05	0.00E+00
4005	441936.4	3768172	1.61E-04	3.94E-04	0.00E+00	1.82E-04	5.73E-04	0.00E+00	3.05E-05	9.76E-05	0.00E+00	1.33E-05	3.91E-05	0.00E+00
4006	441940	3768181	1.61E-04	3.97E-04	0.00E+00	1.82E-04	5.77E-04	0.00E+00	3.05E-05	9.84E-05	0.00E+00	1.33E-05	3.94E-05	0.00E+00
4007	441943.6	3768190	1.61E-04	4.00E-04	0.00E+00	1.82E-04	5.82E-04	0.00E+00	3.05E-05	9.92E-05	0.00E+00	1.33E-05	3.98E-05	0.00E+00
4008	441947.2	3768199	1.61E-04	4.04E-04	0.00E+00	1.82E-04	5.87E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.01E-05	0.00E+00
4009	441950.9	3768208	1.61E-04	4.08E-04	0.00E+00	1.82E-04	5.93E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.05E-05	0.00E+00
4010	441954.5	3768218	1.61E-04	4.12E-04	0.00E+00	1.82E-04	5.99E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.09E-05	0.00E+00
4011	441958.1	3768227	1.61E-04	4.16E-04	0.00E+00	1.82E-04	6.05E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.13E-05	0.00E+00
4012	441961.7	3768236	1.61E-04	4.20E-04	0.00E+00	1.82E-04	6.11E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.17E-05	0.00E+00
4013	441997.9	3768326	1.61E-04	4.92E-04	0.00E+00	1.82E-04	7.15E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.88E-05	0.00E+00
4014	442001.5	3768335	1.61E-04	5.01E-04	0.00E+00	1.82E-04	7.29E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.98E-05	0.00E+00
4015	442005.1	3768344	1.61E-04	5.11E-04	0.00E+00	1.82E-04	7.43E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.07E-05	0.00E+00
4016	442008.8	3768353	1.61E-04	5.21E-04	0.00E+00	1.82E-04	7.58E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.18E-05	0.00E+00
4017	442012.4	3768362	1.61E-04	5.32E-04	0.00E+00	1.82E-04	7.74E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.29E-05	0.00E+00
4018	442016	3768371	1.61E-04	5.45E-04	0.00E+00	1.82E-04	7.92E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.41E-05	0.00E+00
4019	442019.6	3768380	1.61E-04	5.58E-04	0.00E+00	1.82E-04	8.11E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.54E-05	0.00E+00
4020	442023.2	3768389	1.61E-04	5.72E-04	0.00E+00	1.82E-04	8.31E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.67E-05	0.00E+00
4021	442026.9	3768398	1.61E-04	5.85E-04	0.00E+00	1.82E-04	8.51E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.81E-05	0.00E+00
4022	442084.8	3768542	1.61E-04	9.31E-04	0.00E+00	1.82E-04	1.35E-03	0.00E+00	3.05E-05	2.31E-04	0.00E+00	1.33E-05	9.24E-05	0.00E+00
4023	442088.4	3768551	1.61E-04	9.59E-04	0.00E+00	1.82E-04	1.39E-03	0.00E+00	3.05E-05	2.38E-04	0.00E+00	1.33E-05	9.52E-05	0.00E+00
4024	442092	3768560	1.61E-04	9.89E-04	0.00E+00	1.82E-04	1.44E-03	0.00E+00	3.05E-05	2.45E-04	0.00E+00	1.33E-05	9.82E-05	0.00E+00
4025	442095.6	3768569	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.53E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
4026	442099.2	3768578	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.53E-03	0.00E+00	3.05E-05	2.61E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
4027	442102.8	3768587	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.69E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
4028	442106.5	3768596	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.77E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
4029	441374	3767871	1.61E-04	5.43E-04	0.00E+00	1.82E-04	7.89E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.39E-05	0.00E+00

4030	441364.3	3767871	1.61E-04	5.49E-04	0.00E+00	1.82E-04	7.99E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.45E-05	0.00E+00
4031	441354.5	3767871	1.61E-04	5.55E-04	0.00E+00	1.82E-04	8.07E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.51E-05	0.00E+00
4032	441305.9	3767872	1.61E-04	5.90E-04	0.00E+00	1.82E-04	8.57E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.85E-05	0.00E+00
4033	441296.2	3767872	1.61E-04	5.97E-04	0.00E+00	1.82E-04	8.68E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.93E-05	0.00E+00
4034	441286.4	3767872	1.61E-04	6.04E-04	0.00E+00	1.82E-04	8.78E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.00E-05	0.00E+00
4035	441276.7	3767872	1.61E-04	6.11E-04	0.00E+00	1.82E-04	8.88E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.07E-05	0.00E+00
4036	441267	3767872	1.61E-04	6.18E-04	0.00E+00	1.82E-04	8.98E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.13E-05	0.00E+00
4037	441257.2	3767872	1.61E-04	6.24E-04	0.00E+00	1.82E-04	9.08E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.20E-05	0.00E+00
4038	441382.7	3767835	1.61E-04	4.98E-04	0.00E+00	1.82E-04	7.24E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.94E-05	0.00E+00
4039	441418.1	3767850	1.61E-04	4.95E-04	0.00E+00	1.82E-04	7.19E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.91E-05	0.00E+00
4040	441427	3767853	1.61E-04	4.93E-04	0.00E+00	1.82E-04	7.17E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.90E-05	0.00E+00
4041	441435.9	3767857	1.61E-04	4.92E-04	0.00E+00	1.82E-04	7.15E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.88E-05	0.00E+00
4042	441444.7	3767861	1.61E-04	4.90E-04	0.00E+00	1.82E-04	7.12E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.87E-05	0.00E+00
4043	441453.6	3767864	1.61E-04	4.88E-04	0.00E+00	1.82E-04	7.10E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.85E-05	0.00E+00
4044	441462.5	3767868	1.61E-04	4.87E-04	0.00E+00	1.82E-04	7.08E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.83E-05	0.00E+00
4045	441946.6	3768099	1.61E-04	3.50E-04	0.00E+00	1.82E-04	5.08E-04	0.00E+00	3.05E-05	8.66E-05	0.00E+00	1.33E-05	3.47E-05	0.00E+00
4046	441950.1	3768108	1.61E-04	3.51E-04	0.00E+00	1.82E-04	5.11E-04	0.00E+00	3.05E-05	8.71E-05	0.00E+00	1.33E-05	3.49E-05	0.00E+00
4047	441953.7	3768117	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.13E-04	0.00E+00	3.05E-05	8.75E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00
4048	441957.3	3768125	1.61E-04	3.55E-04	0.00E+00	1.82E-04	5.16E-04	0.00E+00	3.05E-05	8.80E-05	0.00E+00	1.33E-05	3.53E-05	0.00E+00
4049	441960.8	3768134	1.61E-04	3.57E-04	0.00E+00	1.82E-04	5.20E-04	0.00E+00	3.05E-05	8.86E-05	0.00E+00	1.33E-05	3.55E-05	0.00E+00
4050	441996.6	3768223	1.61E-04	3.86E-04	0.00E+00	1.82E-04	5.61E-04	0.00E+00	3.05E-05	9.56E-05	0.00E+00	1.33E-05	3.83E-05	0.00E+00
4051	442000.1	3768232	1.61E-04	3.90E-04	0.00E+00	1.82E-04	5.67E-04	0.00E+00	3.05E-05	9.67E-05	0.00E+00	1.33E-05	3.88E-05	0.00E+00
4052	442003.7	3768241	1.61E-04	3.95E-04	0.00E+00	1.82E-04	5.74E-04	0.00E+00	3.05E-05	9.79E-05	0.00E+00	1.33E-05	3.92E-05	0.00E+00
4053	442007.3	3768250	1.61E-04	4.00E-04	0.00E+00	1.82E-04	5.81E-04	0.00E+00	3.05E-05	9.91E-05	0.00E+00	1.33E-05	3.97E-05	0.00E+00
4054	442010.9	3768259	1.61E-04	4.05E-04	0.00E+00	1.82E-04	5.89E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.02E-05	0.00E+00
4055	442014.4	3768268	1.61E-04	4.11E-04	0.00E+00	1.82E-04	5.98E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.08E-05	0.00E+00
4056	442018	3768277	1.61E-04	4.18E-04	0.00E+00	1.82E-04	6.08E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.15E-05	0.00E+00
4057	442021.6	3768286	1.61E-04	4.26E-04	0.00E+00	1.82E-04	6.19E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.23E-05	0.00E+00
4058	442025.1	3768295	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.31E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
4059	442028.7	3768304	1.61E-04	4.43E-04	0.00E+00	1.82E-04	6.44E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.40E-05	0.00E+00
4060	442032.3	3768312	1.61E-04	4.52E-04	0.00E+00	1.82E-04	6.57E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.48E-05	0.00E+00
4061	442035.9	3768321	1.61E-04	4.61E-04	0.00E+00	1.82E-04	6.70E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.58E-05	0.00E+00
4062	442039.4	3768330	1.61E-04	4.70E-04	0.00E+00	1.82E-04	6.84E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.67E-05	0.00E+00
4063	442043	3768339	1.61E-04	4.78E-04	0.00E+00	1.82E-04	6.96E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.75E-05	0.00E+00
4064	442046.6	3768348	1.61E-04	4.87E-04	0.00E+00	1.82E-04	7.08E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.83E-05	0.00E+00
4065	442050.1	3768357	1.61E-04	4.95E-04	0.00E+00	1.82E-04	7.20E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.92E-05	0.00E+00
4066	442053.7	3768366	1.61E-04	5.06E-04	0.00E+00	1.82E-04	7.35E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.02E-05	0.00E+00
4067	442057.3	3768375	1.61E-04	5.18E-04	0.00E+00	1.82E-04	7.53E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.14E-05	0.00E+00
4068	442125.2	3768544	1.61E-04	8.67E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.15E-04	0.00E+00	1.33E-05	8.60E-05	0.00E+00
4069	442128.7	3768553	1.61E-04	8.92E-04	0.00E+00	1.82E-04	1.30E-03	0.00E+00	3.05E-05	2.21E-04	0.00E+00	1.33E-05	8.86E-05	0.00E+00
4070	442132.3	3768562	1.61E-04	9.19E-04	0.00E+00	1.82E-04	1.34E-03	0.00E+00	3.05E-05	2.28E-04	0.00E+00	1.33E-05	9.12E-05	0.00E+00
4071	442135.9	3768571	1.61E-04	9.45E-04	0.00E+00	1.82E-04	1.37E-03	0.00E+00	3.05E-05	2.34E-04	0.00E+00	1.33E-05	9.39E-05	0.00E+00
4072	442139.5	3768580	1.61E-04	9.74E-04	0.00E+00	1.82E-04	1.42E-03	0.00E+00	3.05E-05	2.41E-04	0.00E+00	1.33E-05	9.67E-05	0.00E+00
4073	442143	3768589	1.61E-04	1.00E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.48E-04	0.00E+00	1.33E-05	9.95E-05	0.00E+00
4074	441373.8	3767831	1.61E-04	4.99E-04	0.00E+00	1.82E-04	7.25E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.95E-05	0.00E+00
4075	441364.1	3767831	1.61E-04	5.04E-04	0.00E+00	1.82E-04	7.33E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.01E-05	0.00E+00
4076	441354.4	3767831	1.61E-04	5.10E-04	0.00E+00	1.82E-04	7.41E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.06E-05	0.00E+00
4077	441305.7	3767832	1.61E-04	5.42E-04	0.00E+00	1.82E-04	7.88E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.38E-05	0.00E+00
4078	441296	3767832	1.61E-04	5.49E-04	0.00E+00	1.82E-04	7.98E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.45E-05	0.00E+00
4079	441286.2	3767832	1.61E-04	5.56E-04	0.00E+00	1.82E-04	8.08E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.52E-05	0.00E+00
4080	441276.5	3767832	1.61E-04	5.62E-04	0.00E+00	1.82E-04	8.17E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.58E-05	0.00E+00
4081	441266.8	3767832	1.61E-04	5.69E-04	0.00E+00	1.82E-04	8.27E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.65E-05	0.00E+00
4082	441257	3767832	1.61E-04	5.75E-04	0.00E+00	1.82E-04	8.35E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.70E-05	0.00E+00
4083	441382.5	3767795	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.69E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.57E-05	0.00E+00
4084	441418.1	3767810	1.61E-04	4.55E-04	0.00E+00	1.82E-04	6.62E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.52E-05	0.00E+00
4085	441427	3767813	1.61E-04	4.54E-04	0.00E+00	1.82E-04	6.60E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.51E-05	0.00E+00
4086	441435.9	3767817	1.61E-04	4.52E-04	0.00E+00	1.82E-04	6.58E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.49E-05	0.00E+00
4087	441444.8	3767821	1.61E-04	4.51E-04	0.00E+00	1.82E-04	6.56E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.48E-05	0.00E+00
4088	441453.7	3767825	1.61E-04	4.50E-04	0.00E+00	1.82E-04	6.54E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
4089	441462.6	3767828	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.52E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.45E-05	0.00E+00
4090	441996.6	3768124	1.61E-04	3.33E-04	0.00E+00	1.82E-04	4.84E-04	0.00E+00	3.05E-05	8.25E-05	0.00E+00	1.33E-05	3.31E-05	0.00E+00
4091	442000.1	3768133	1.61E-04	3.35E-04	0.00E+00	1.82E-04	4.88E-04	0.00E+00	3.05E-05	8.31E-05	0.00E+00	1.33E-05	3.33E-05	0.00E+00
4092	442003.7	3768142	1.61E-04	3.38E-04	0.00E+00	1.82E-04	4.91E-04	0.00E+00	3.05E-05	8.37E-05	0.00E+00	1.33E-05	3.35E-05	0.00E+00
4093	442007.3	3768151	1.61E-04	3.40E-04	0.00E+00	1.82E-04	4.95E-04	0.00E+00	3.05E-05	8.44E-05	0.00E+00	1.33E-05	3.38E-05	0.00E+00
4094	442010.9	3768160	1.61E-04	3.43E-04	0.00E+00	1.82E-04	4.98E-04	0.00E+00	3.05E-05	8.50E-05	0.00E+00	1.33E-05	3.40E-05	0.00E+00
4095	442014.5	3768169	1.61E-04	3.45E-04	0.00E+00	1.82E-04	5.02E-04	0.00E+00	3.05E-05	8.55E-05	0.00E+00	1.33E-05	3.43E-05	0.00E+00
4096	442018.1	3768178	1.61E-04	3.48E-04	0.00E+00	1.82E-04	5.05E-04	0.00E+00	3.05E-05	8.61E-05	0.00E+00	1.33E-05	3.45E-05	0.00E+00
4097	442021.7	3768187	1.61E-04	3.50E-04	0.00E+00	1.82E-04	5.09E-04	0.00E+00	3.05E-05	8.67E-05	0.00E+00	1.33E-05	3.47E-05	0.00E+00
4098	442025.2	3768196	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.13E-04	0.00E+00	3.05E-05	8.74E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00
4099	442028.8	3768205	1.61E-04	3.56E-04	0.00E+00	1.82E-04	5.17E-04	0.00E+00	3.05E-05	8.82E-05	0.00E+00	1.33E-05	3.53E-05	0.00E+00
4100	442032.4	3768214	1.61E-04	3.59E-04	0.00E+00	1.82E-04	5.22E-04	0.00E+00	3.05E-05	8.90E-05	0.00E+00	1.33E-05	3.57E-05	0.00E+00
4101	442036	3768223	1.61E-04	3.64E-04	0.00E+00	1.82E-04	5.29E-04	0.00E+00	3.05E-05	9.01E-05	0.00E+00	1.33E-05	3.61E-05	0.00E+00
4102	442039.6	3768232	1.61E-04	3.68E-04	0.00E+00	1.82E-04	5.35E-04	0.00E+00	3.05E-05	9.13E-05	0.00E+00	1.33E-05	3.66E-05	0.00E+00
4103	442043.2	3768241	1.61E-04	3.73E-04	0.00E+00	1.82E-04	5.43E-04	0.00E+00	3.05E-05	9.25E-05	0.00E+00	1.33E-05	3.71E-05	0.00E+00
4104	442046.8	3768249	1.61E-04	3.79E-04	0.00E+00	1.82E-04	5.52E-04	0.00E+00	3.05E-05	9.40E-05	0.00E+00	1.33E-05	3.77E-05	0.00E+00
4105	442050.3	3768258	1.61E-04	3.86E-04	0.00E+00	1.82E-04	5.61E-04	0.00E+00	3.05E-05	9.56E-05	0.00E+00	1.33E-05	3.83E-05	0.00E+00
4106	442053.9	3768267	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.71E-04	0.00E+00	3.05E-05	9.74E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
4107	442057.5	3768276	1.61E-04	4.00E-04	0.00E+00	1.82E-04	5.81E-04	0.00E+00	3.05E-05	9.91E-05	0.00E+00	1.33E-05	3.97E-05	0.00E+00
4108	442061.1	3768285	1.61E-04	4.07E-04	0.00E+00	1.82E-04	5.92E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.04E-05	0.00E+00
4109	442064.7	3768294	1.61E-04	4.15E-04	0.00E+00	1.82E-04	6.03E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.12E-05	0.00E+00
4110	442068.3	3768303	1.61E-04	4.22E-04	0.00E+00	1.82E-04	6.14E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.19E-05	0.00E+00
4111	442071.8	3768312	1.61E-04	4.30E-04	0.00E+00	1.82E-04	6.26E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.27E-05	0.00E+00
4112	442075.4	3768321	1.61E-04	4.39E-04	0.00E+00	1.82E-04	6.38E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.35E-05	0.00E+00
4113	442079	3768330	1.61E-04	4.47E-04	0.00E+00	1.82E-04	6.50E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.44E-05	0.00E+00
4114	442082.6	3768339	1.61E-04	4.55E-04	0.00E+00	1.82E-04	6.62E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.52E-05	0.00E+00
4115	442086.2	3768348	1.61E-04	4.64E-04	0.00E+00	1.82E-04	6.74E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.61E-05	0.00E+00
4116	442089.8	3768357	1.61E-04	4.73E-04	0.00E+00	1.82E-04	6.88E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.70E-05	0.00E+00
4117	442165	3768544	1.61E-04	8.03E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	1.99E-04	0.00E+00	1.33E-05	7.98E-05	0.00E+00
4118	442168.6	3768553	1.61E-04	8.26E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.05E-04	0.00E+00	1.33E-05	8.20E-05	0.00E+00
4119	441373.6	3767791	1.61E-04	4.61E-04	0.00E+00	1.82E-04	6.71E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.58E-05	0.00E+00
4120	441363.9	3767791	1.61E-04	4.67E-04	0.00E+00	1.82E-04	6.78E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.63E-05	0.00E+00
4121	441354.2	3767791	1.61E-04	4.72E-04	0.00E+00	1.82E-04	6.86E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.69E-05	0.00E+00
4122	441305.5	3767792	1.61E-04	5.02E-04	0.00E+00	1.82E-04	7.30E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.99E-05	0.00E+00
4123	441295.8	3767792	1.61E-04	5.08E-04	0.00E+00	1.82E-04	7.38E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.04E-05	0.00E+00
4124	441286.1	3767792	1.61E-04	5.12E-04	0.00E+00	1.82E-04	7.45E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.08E-05	0.00E+00
4125	441276.3	3767792	1.61E-04	5.17E-04	0.00E+00	1.82E-04	7.51E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.13E-05	0.00E+00

4126	441266.6	3767792	1.61E-04	5.22E-04	0.00E+00	1.82E-04	7.58E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.18E-05	0.00E+00
4127	441256.9	3767792	1.61E-04	5.28E-04	0.00E+00	1.82E-04	7.67E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.24E-05	0.00E+00
4128	441382.4	3767755	1.61E-04	4.28E-04	0.00E+00	1.82E-04	6.22E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.25E-05	0.00E+00
4129	441418.1	3767770	1.61E-04	4.22E-04	0.00E+00	1.82E-04	6.13E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.19E-05	0.00E+00
4130	441427	3767774	1.61E-04	4.21E-04	0.00E+00	1.82E-04	6.11E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.18E-05	0.00E+00
4131	441435.9	3767777	1.61E-04	4.20E-04	0.00E+00	1.82E-04	6.10E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.17E-05	0.00E+00
4132	441444.8	3767781	1.61E-04	4.19E-04	0.00E+00	1.82E-04	6.09E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
4133	441453.8	3767785	1.61E-04	4.18E-04	0.00E+00	1.82E-04	6.07E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.15E-05	0.00E+00
4134	441462.7	3767788	1.61E-04	4.17E-04	0.00E+00	1.82E-04	6.06E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.14E-05	0.00E+00
4135	442000	3768034	1.61E-04	2.89E-04	0.00E+00	1.82E-04	4.20E-04	0.00E+00	3.05E-05	7.17E-05	0.00E+00	1.33E-05	2.87E-05	0.00E+00
4136	442003.6	3768043	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.24E-04	0.00E+00	3.05E-05	7.24E-05	0.00E+00	1.33E-05	2.90E-05	0.00E+00
4137	442007.1	3768052	1.61E-04	2.95E-04	0.00E+00	1.82E-04	4.28E-04	0.00E+00	3.05E-05	7.30E-05	0.00E+00	1.33E-05	2.93E-05	0.00E+00
4138	442010.7	3768061	1.61E-04	2.97E-04	0.00E+00	1.82E-04	4.32E-04	0.00E+00	3.05E-05	7.37E-05	0.00E+00	1.33E-05	2.95E-05	0.00E+00
4139	442014.3	3768070	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.36E-04	0.00E+00	3.05E-05	7.43E-05	0.00E+00	1.33E-05	2.98E-05	0.00E+00
4140	442017.9	3768079	1.61E-04	3.02E-04	0.00E+00	1.82E-04	4.40E-04	0.00E+00	3.05E-05	7.50E-05	0.00E+00	1.33E-05	3.00E-05	0.00E+00
4141	442028.7	3768105	1.61E-04	3.08E-04	0.00E+00	1.82E-04	4.48E-04	0.00E+00	3.05E-05	7.64E-05	0.00E+00	1.33E-05	3.06E-05	0.00E+00
4142	442032.3	3768114	1.61E-04	3.10E-04	0.00E+00	1.82E-04	4.51E-04	0.00E+00	3.05E-05	7.69E-05	0.00E+00	1.33E-05	3.08E-05	0.00E+00
4143	442035.9	3768123	1.61E-04	3.12E-04	0.00E+00	1.82E-04	4.54E-04	0.00E+00	3.05E-05	7.73E-05	0.00E+00	1.33E-05	3.10E-05	0.00E+00
4144	442039.5	3768132	1.61E-04	3.14E-04	0.00E+00	1.82E-04	4.56E-04	0.00E+00	3.05E-05	7.78E-05	0.00E+00	1.33E-05	3.12E-05	0.00E+00
4145	442043.1	3768141	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.59E-04	0.00E+00	3.05E-05	7.83E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
4146	442046.7	3768150	1.61E-04	3.18E-04	0.00E+00	1.82E-04	4.63E-04	0.00E+00	3.05E-05	7.89E-05	0.00E+00	1.33E-05	3.16E-05	0.00E+00
4147	442050.3	3768159	1.61E-04	3.21E-04	0.00E+00	1.82E-04	4.66E-04	0.00E+00	3.05E-05	7.94E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
4148	442053.9	3768168	1.61E-04	3.23E-04	0.00E+00	1.82E-04	4.70E-04	0.00E+00	3.05E-05	8.01E-05	0.00E+00	1.33E-05	3.21E-05	0.00E+00
4149	442057.5	3768177	1.61E-04	3.26E-04	0.00E+00	1.82E-04	4.74E-04	0.00E+00	3.05E-05	8.09E-05	0.00E+00	1.33E-05	3.24E-05	0.00E+00
4150	442061.1	3768186	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.79E-04	0.00E+00	3.05E-05	8.17E-05	0.00E+00	1.33E-05	3.27E-05	0.00E+00
4151	442064.7	3768195	1.61E-04	3.33E-04	0.00E+00	1.82E-04	4.84E-04	0.00E+00	3.05E-05	8.26E-05	0.00E+00	1.33E-05	3.31E-05	0.00E+00
4152	442068.3	3768204	1.61E-04	3.37E-04	0.00E+00	1.82E-04	4.90E-04	0.00E+00	3.05E-05	8.35E-05	0.00E+00	1.33E-05	3.35E-05	0.00E+00
4153	442071.9	3768213	1.61E-04	3.41E-04	0.00E+00	1.82E-04	4.96E-04	0.00E+00	3.05E-05	8.46E-05	0.00E+00	1.33E-05	3.39E-05	0.00E+00
4154	442075.5	3768222	1.61E-04	3.46E-04	0.00E+00	1.82E-04	5.03E-04	0.00E+00	3.05E-05	8.58E-05	0.00E+00	1.33E-05	3.44E-05	0.00E+00
4155	442079.1	3768231	1.61E-04	3.51E-04	0.00E+00	1.82E-04	5.10E-04	0.00E+00	3.05E-05	8.70E-05	0.00E+00	1.33E-05	3.48E-05	0.00E+00
4156	442082.7	3768240	1.61E-04	3.56E-04	0.00E+00	1.82E-04	5.18E-04	0.00E+00	3.05E-05	8.82E-05	0.00E+00	1.33E-05	3.53E-05	0.00E+00
4157	442086.3	3768249	1.61E-04	3.62E-04	0.00E+00	1.82E-04	5.27E-04	0.00E+00	3.05E-05	8.98E-05	0.00E+00	1.33E-05	3.60E-05	0.00E+00
4158	442089.9	3768258	1.61E-04	3.69E-04	0.00E+00	1.82E-04	5.36E-04	0.00E+00	3.05E-05	9.14E-05	0.00E+00	1.33E-05	3.66E-05	0.00E+00
4159	442093.5	3768267	1.61E-04	3.75E-04	0.00E+00	1.82E-04	5.45E-04	0.00E+00	3.05E-05	9.30E-05	0.00E+00	1.33E-05	3.72E-05	0.00E+00
4160	442097.1	3768276	1.61E-04	3.81E-04	0.00E+00	1.82E-04	5.54E-04	0.00E+00	3.05E-05	9.45E-05	0.00E+00	1.33E-05	3.78E-05	0.00E+00
4161	442100.7	3768285	1.61E-04	3.87E-04	0.00E+00	1.82E-04	5.63E-04	0.00E+00	3.05E-05	9.60E-05	0.00E+00	1.33E-05	3.84E-05	0.00E+00
4162	442104.2	3768294	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.72E-04	0.00E+00	3.05E-05	9.75E-05	0.00E+00	1.33E-05	3.91E-05	0.00E+00
4163	442107.8	3768303	1.61E-04	4.00E-04	0.00E+00	1.82E-04	5.81E-04	0.00E+00	3.05E-05	9.91E-05	0.00E+00	1.33E-05	3.97E-05	0.00E+00
4164	442111.4	3768312	1.61E-04	4.08E-04	0.00E+00	1.82E-04	5.92E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.05E-05	0.00E+00
4165	442115	3768321	1.61E-04	4.15E-04	0.00E+00	1.82E-04	6.04E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.12E-05	0.00E+00
4166	442118.6	3768330	1.61E-04	4.23E-04	0.00E+00	1.82E-04	6.16E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.20E-05	0.00E+00
4167	441373.4	3767751	1.61E-04	4.29E-04	0.00E+00	1.82E-04	6.24E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.26E-05	0.00E+00
4168	441363.7	3767751	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.31E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
4169	441354	3767751	1.61E-04	4.39E-04	0.00E+00	1.82E-04	6.38E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.36E-05	0.00E+00
4170	441305.3	3767752	1.61E-04	4.62E-04	0.00E+00	1.82E-04	6.72E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.59E-05	0.00E+00
4171	441295.6	3767752	1.61E-04	4.66E-04	0.00E+00	1.82E-04	6.78E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.63E-05	0.00E+00
4172	441285.9	3767752	1.61E-04	4.70E-04	0.00E+00	1.82E-04	6.84E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.67E-05	0.00E+00
4173	441276.1	3767752	1.61E-04	4.74E-04	0.00E+00	1.82E-04	6.89E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.71E-05	0.00E+00
4174	441266.4	3767752	1.61E-04	4.79E-04	0.00E+00	1.82E-04	6.96E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.75E-05	0.00E+00
4175	441256.7	3767752	1.61E-04	4.84E-04	0.00E+00	1.82E-04	7.03E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.80E-05	0.00E+00
4176	441382.2	3767715	1.61E-04	3.97E-04	0.00E+00	1.82E-04	5.77E-04	0.00E+00	3.05E-05	9.84E-05	0.00E+00	1.33E-05	3.94E-05	0.00E+00
4177	441418	3767730	1.61E-04	3.91E-04	0.00E+00	1.82E-04	5.69E-04	0.00E+00	3.05E-05	9.70E-05	0.00E+00	1.33E-05	3.89E-05	0.00E+00
4178	441427	3767734	1.61E-04	3.91E-04	0.00E+00	1.82E-04	5.68E-04	0.00E+00	3.05E-05	9.68E-05	0.00E+00	1.33E-05	3.88E-05	0.00E+00
4179	441435.9	3767737	1.61E-04	3.90E-04	0.00E+00	1.82E-04	5.67E-04	0.00E+00	3.05E-05	9.67E-05	0.00E+00	1.33E-05	3.87E-05	0.00E+00
4180	441444.9	3767741	1.61E-04	3.90E-04	0.00E+00	1.82E-04	5.66E-04	0.00E+00	3.05E-05	9.65E-05	0.00E+00	1.33E-05	3.87E-05	0.00E+00
4181	441453.8	3767745	1.61E-04	3.89E-04	0.00E+00	1.82E-04	5.65E-04	0.00E+00	3.05E-05	9.63E-05	0.00E+00	1.33E-05	3.86E-05	0.00E+00
4182	441462.8	3767748	1.61E-04	3.87E-04	0.00E+00	1.82E-04	5.63E-04	0.00E+00	3.05E-05	9.60E-05	0.00E+00	1.33E-05	3.85E-05	0.00E+00
4183	442021.2	3767988	1.61E-04	2.64E-04	0.00E+00	1.82E-04	3.84E-04	0.00E+00	3.05E-05	6.55E-05	0.00E+00	1.33E-05	2.62E-05	0.00E+00
4184	442024.8	3767997	1.61E-04	2.66E-04	0.00E+00	1.82E-04	3.87E-04	0.00E+00	3.05E-05	6.60E-05	0.00E+00	1.33E-05	2.65E-05	0.00E+00
4185	442028.4	3768006	1.61E-04	2.68E-04	0.00E+00	1.82E-04	3.90E-04	0.00E+00	3.05E-05	6.65E-05	0.00E+00	1.33E-05	2.66E-05	0.00E+00
4186	442032	3768015	1.61E-04	2.70E-04	0.00E+00	1.82E-04	3.93E-04	0.00E+00	3.05E-05	6.70E-05	0.00E+00	1.33E-05	2.68E-05	0.00E+00
4187	442035.7	3768024	1.61E-04	2.72E-04	0.00E+00	1.82E-04	3.96E-04	0.00E+00	3.05E-05	6.75E-05	0.00E+00	1.33E-05	2.70E-05	0.00E+00
4188	442039.3	3768033	1.61E-04	2.74E-04	0.00E+00	1.82E-04	3.98E-04	0.00E+00	3.05E-05	6.79E-05	0.00E+00	1.33E-05	2.72E-05	0.00E+00
4189	442042.9	3768042	1.61E-04	2.76E-04	0.00E+00	1.82E-04	4.01E-04	0.00E+00	3.05E-05	6.84E-05	0.00E+00	1.33E-05	2.74E-05	0.00E+00
4190	442046.5	3768051	1.61E-04	2.78E-04	0.00E+00	1.82E-04	4.03E-04	0.00E+00	3.05E-05	6.88E-05	0.00E+00	1.33E-05	2.76E-05	0.00E+00
4191	442050.1	3768060	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.06E-04	0.00E+00	3.05E-05	6.92E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
4192	442053.7	3768069	1.61E-04	2.81E-04	0.00E+00	1.82E-04	4.08E-04	0.00E+00	3.05E-05	6.96E-05	0.00E+00	1.33E-05	2.79E-05	0.00E+00
4193	442057.3	3768078	1.61E-04	2.83E-04	0.00E+00	1.82E-04	4.11E-04	0.00E+00	3.05E-05	7.01E-05	0.00E+00	1.33E-05	2.81E-05	0.00E+00
4194	442068.1	3768105	1.61E-04	2.89E-04	0.00E+00	1.82E-04	4.20E-04	0.00E+00	3.05E-05	7.16E-05	0.00E+00	1.33E-05	2.87E-05	0.00E+00
4195	442071.7	3768114	1.61E-04	2.91E-04	0.00E+00	1.82E-04	4.23E-04	0.00E+00	3.05E-05	7.22E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
4196	442075.3	3768123	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.27E-04	0.00E+00	3.05E-05	7.28E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
4197	442078.9	3768132	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.30E-04	0.00E+00	3.05E-05	7.33E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
4198	442082.5	3768141	1.61E-04	2.98E-04	0.00E+00	1.82E-04	4.34E-04	0.00E+00	3.05E-05	7.39E-05	0.00E+00	1.33E-05	2.96E-05	0.00E+00
4199	442086.1	3768150	1.61E-04	3.01E-04	0.00E+00	1.82E-04	4.38E-04	0.00E+00	3.05E-05	7.46E-05	0.00E+00	1.33E-05	2.99E-05	0.00E+00
4200	442089.8	3768159	1.61E-04	3.04E-04	0.00E+00	1.82E-04	4.42E-04	0.00E+00	3.05E-05	7.54E-05	0.00E+00	1.33E-05	3.02E-05	0.00E+00
4201	442093.4	3768168	1.61E-04	3.07E-04	0.00E+00	1.82E-04	4.47E-04	0.00E+00	3.05E-05	7.62E-05	0.00E+00	1.33E-05	3.05E-05	0.00E+00
4202	442097	3768177	1.61E-04	3.11E-04	0.00E+00	1.82E-04	4.52E-04	0.00E+00	3.05E-05	7.70E-05	0.00E+00	1.33E-05	3.09E-05	0.00E+00
4203	442100.6	3768186	1.61E-04	3.15E-04	0.00E+00	1.82E-04	4.57E-04	0.00E+00	3.05E-05	7.79E-05	0.00E+00	1.33E-05	3.12E-05	0.00E+00
4204	442104.2	3768195	1.61E-04	3.18E-04	0.00E+00	1.82E-04	4.63E-04	0.00E+00	3.05E-05	7.89E-05	0.00E+00	1.33E-05	3.16E-05	0.00E+00
4205	442107.8	3768204	1.61E-04	3.22E-04	0.00E+00	1.82E-04	4.68E-04	0.00E+00	3.05E-05	7.98E-05	0.00E+00	1.33E-05	3.20E-05	0.00E+00
4206	442111.4	3768213	1.61E-04	3.26E-04	0.00E+00	1.82E-04	4.74E-04	0.00E+00	3.05E-05	8.08E-05	0.00E+00	1.33E-05	3.24E-05	0.00E+00
4207	442115	3768222	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.80E-04	0.00E+00	3.05E-05	8.19E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
4208	442118.6	3768231	1.61E-04	3.35E-04	0.00E+00	1.82E-04	4.87E-04	0.00E+00	3.05E-05	8.30E-05	0.00E+00	1.33E-05	3.33E-05	0.00E+00
4209	442122.2	3768240	1.61E-04	3.40E-04	0.00E+00	1.82E-04	4.94E-04	0.00E+00	3.05E-05	8.42E-05	0.00E+00	1.33E-05	3.37E-05	0.00E+00
4210	442125.8	3768249	1.61E-04	3.45E-04	0.00E+00	1.82E-04	5.02E-04	0.00E+00	3.05E-05	8.55E-05	0.00E+00	1.33E-05	3.43E-05	0.00E+00
4211	442129.4	3768258	1.61E-04	3.51E-04	0.00E+00	1.82E-04	5.10E-04	0.00E+00	3.05E-05	8.69E-05	0.00E+00	1.33E-05	3.48E-05	0.00E+00
4212	442133	3768266	1.61E-04	3.57E-04	0.00E+00	1.82E-04	5.18E-04	0.00E+00	3.05E-05	8.84E-05	0.00E+00	1.33E-05	3.54E-05	0.00E+00
4213	442136.6	3768275	1.61E-04	3.62E-04	0.00E+00	1.82E-04	5.26E-04	0.00E+00	3.05E-05	8.98E-05	0.00E+00	1.33E-05	3.60E-05	0.00E+00
4214	442140.2	3768284	1.61E-04	3.67E-04	0.00E+00	1.82E-04	5.34E-04	0.00E+00	3.05E-05	9.10E-05	0.00E+00	1.33E-05	3.65E-05	0.00E+00
4215	442143.9	3768293	1.61E-04	3.73E-04	0.00E+00	1.82E-04	5.42E-04	0.00E+00	3.05E-05	9.23E-05	0.00E+00	1.33E-05	3.70E-05	0.00E+00
4216	442147.5	3768302	1.61E-04	3.78E-04	0.00E+00	1.82E-04	5.50E-04	0.00E+00	3.05E-05	9.38E-05	0.00E+00	1.33E-05	3.76E-05	0.00E+00
4217	442151.1	3768311	1.61E-04	3.85E-04	0.00E+00	1.82E-04	5.60E-04	0.00E+00	3.05E-05	9.54E-05	0.00E+00	1.33E-05	3.82E-05	0.00E+00
4218	441373.3	3767711	1.61E-04	3.97E-04	0.00E+00	1.82E-04	5.77E-04	0.00E+00	3.05E-05	9.84E-05	0.00E+00	1.33E-05	3.94E-05	0.00E+00
4219	441363.5	3767711	1.61E-04	4.01E-04	0.00E+00	1.82E-04	5.82E-04	0.00E+00	3.05E-05	9.93E-05	0.00E+00	1.33E-05	3.98E-05	0.00E+00
4220	441353.8	3767711	1.61E-04	4.05E-04	0.00E+00	1.82E-04	5.88E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.02E-05	0.00E+00
4221	441305.1	3767712	1.61E-04	4.24E-04	0.00E+00	1.82E-04	6.17E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.21E-05	0.00E+00

4222	441295.4	3767712	1.61E-04	4.28E-04	0.00E+00	1.82E-04	6.22E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.25E-05	0.00E+00
4223	441285.7	3767712	1.61E-04	4.32E-04	0.00E+00	1.82E-04	6.29E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.29E-05	0.00E+00
4224	441276	3767712	1.61E-04	4.37E-04	0.00E+00	1.82E-04	6.35E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.34E-05	0.00E+00
4225	441266.2	3767712	1.61E-04	4.41E-04	0.00E+00	1.82E-04	6.41E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.38E-05	0.00E+00
4226	441256.5	3767712	1.61E-04	4.45E-04	0.00E+00	1.82E-04	6.47E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.42E-05	0.00E+00
4227	441232.4	3768642	1.61E-04	2.00E-02	0.00E+00	1.82E-04	2.91E-02	0.00E+00	3.05E-05	4.96E-03	0.00E+00	1.33E-05	1.99E-03	0.00E+00
4228	441232.4	3768652	1.61E-04	2.01E-02	0.00E+00	1.82E-04	2.92E-02	0.00E+00	3.05E-05	4.97E-03	0.00E+00	1.33E-05	1.99E-03	0.00E+00
4229	441232.4	3768662	1.61E-04	1.99E-02	0.00E+00	1.82E-04	2.90E-02	0.00E+00	3.05E-05	4.94E-03	0.00E+00	1.33E-05	1.98E-03	0.00E+00
4230	441232.4	3768672	1.61E-04	1.98E-02	0.00E+00	1.82E-04	2.87E-02	0.00E+00	3.05E-05	4.90E-03	0.00E+00	1.33E-05	1.96E-03	0.00E+00
4231	441232.5	3768682	1.61E-04	1.94E-02	0.00E+00	1.82E-04	2.83E-02	0.00E+00	3.05E-05	4.82E-03	0.00E+00	1.33E-05	1.93E-03	0.00E+00
4232	441232.5	3768692	1.61E-04	1.90E-02	0.00E+00	1.82E-04	2.76E-02	0.00E+00	3.05E-05	4.70E-03	0.00E+00	1.33E-05	1.88E-03	0.00E+00
4233	441232.5	3768702	1.61E-04	1.83E-02	0.00E+00	1.82E-04	2.66E-02	0.00E+00	3.05E-05	4.53E-03	0.00E+00	1.33E-05	1.82E-03	0.00E+00
4234	441232.6	3768712	1.61E-04	1.75E-02	0.00E+00	1.82E-04	2.54E-02	0.00E+00	3.05E-05	4.33E-03	0.00E+00	1.33E-05	1.74E-03	0.00E+00
4235	441232.8	3768782	1.61E-04	9.69E-03	0.00E+00	1.82E-04	1.41E-02	0.00E+00	3.05E-05	2.40E-03	0.00E+00	1.33E-05	9.62E-04	0.00E+00
4236	441232.8	3768792	1.61E-04	8.23E-03	0.00E+00	1.82E-04	1.20E-02	0.00E+00	3.05E-05	2.04E-03	0.00E+00	1.33E-05	8.17E-04	0.00E+00
4237	441218.1	3768598	1.61E-04	1.37E-02	0.00E+00	1.82E-04	2.00E-02	0.00E+00	3.05E-05	3.40E-03	0.00E+00	1.33E-05	1.36E-03	0.00E+00
4238	441212.4	3768642	1.61E-04	1.44E-02	0.00E+00	1.82E-04	2.09E-02	0.00E+00	3.05E-05	3.57E-03	0.00E+00	1.33E-05	1.43E-03	0.00E+00
4239	441212.4	3768652	1.61E-04	1.44E-02	0.00E+00	1.82E-04	2.10E-02	0.00E+00	3.05E-05	3.57E-03	0.00E+00	1.33E-05	1.43E-03	0.00E+00
4240	441212.4	3768662	1.61E-04	1.43E-02	0.00E+00	1.82E-04	2.08E-02	0.00E+00	3.05E-05	3.55E-03	0.00E+00	1.33E-05	1.42E-03	0.00E+00
4241	441212.4	3768672	1.61E-04	1.41E-02	0.00E+00	1.82E-04	2.04E-02	0.00E+00	3.05E-05	3.48E-03	0.00E+00	1.33E-05	1.40E-03	0.00E+00
4242	441212.5	3768682	1.61E-04	1.37E-02	0.00E+00	1.82E-04	1.99E-02	0.00E+00	3.05E-05	3.39E-03	0.00E+00	1.33E-05	1.36E-03	0.00E+00
4243	441212.5	3768692	1.61E-04	1.32E-02	0.00E+00	1.82E-04	1.93E-02	0.00E+00	3.05E-05	3.28E-03	0.00E+00	1.33E-05	1.32E-03	0.00E+00
4244	441212.5	3768702	1.61E-04	1.27E-02	0.00E+00	1.82E-04	1.85E-02	0.00E+00	3.05E-05	3.15E-03	0.00E+00	1.33E-05	1.26E-03	0.00E+00
4245	441212.6	3768712	1.61E-04	1.21E-02	0.00E+00	1.82E-04	1.76E-02	0.00E+00	3.05E-05	3.00E-03	0.00E+00	1.33E-05	1.20E-03	0.00E+00
4246	441212.6	3768722	1.61E-04	1.15E-02	0.00E+00	1.82E-04	1.67E-02	0.00E+00	3.05E-05	2.84E-03	0.00E+00	1.33E-05	1.14E-03	0.00E+00
4247	441212.6	3768732	1.61E-04	1.08E-02	0.00E+00	1.82E-04	1.57E-02	0.00E+00	3.05E-05	2.68E-03	0.00E+00	1.33E-05	1.07E-03	0.00E+00
4248	441212.7	3768742	1.61E-04	1.01E-02	0.00E+00	1.82E-04	1.47E-02	0.00E+00	3.05E-05	2.50E-03	0.00E+00	1.33E-05	1.00E-03	0.00E+00
4249	441212.7	3768752	1.61E-04	9.30E-03	0.00E+00	1.82E-04	1.35E-02	0.00E+00	3.05E-05	2.31E-03	0.00E+00	1.33E-05	9.24E-04	0.00E+00
4250	441212.8	3768782	1.61E-04	6.91E-03	0.00E+00	1.82E-04	1.00E-02	0.00E+00	3.05E-05	1.71E-03	0.00E+00	1.33E-05	6.86E-04	0.00E+00
4251	441212.8	3768792	1.61E-04	6.11E-03	0.00E+00	1.82E-04	8.88E-03	0.00E+00	3.05E-05	1.51E-03	0.00E+00	1.33E-05	6.06E-04	0.00E+00
4252	441199.3	3768595	1.61E-04	1.10E-02	0.00E+00	1.82E-04	1.60E-02	0.00E+00	3.05E-05	2.73E-03	0.00E+00	1.33E-05	1.09E-03	0.00E+00
4253	441218.4	3768566	1.61E-04	1.10E-02	0.00E+00	1.82E-04	1.60E-02	0.00E+00	3.05E-05	2.72E-03	0.00E+00	1.33E-05	1.09E-03	0.00E+00
4254	441192.4	3768642	1.61E-04	1.10E-02	0.00E+00	1.82E-04	1.61E-02	0.00E+00	3.05E-05	2.74E-03	0.00E+00	1.33E-05	1.10E-03	0.00E+00
4255	441192.4	3768652	1.61E-04	1.10E-02	0.00E+00	1.82E-04	1.60E-02	0.00E+00	3.05E-05	2.73E-03	0.00E+00	1.33E-05	1.09E-03	0.00E+00
4256	441192.4	3768662	1.61E-04	1.09E-02	0.00E+00	1.82E-04	1.58E-02	0.00E+00	3.05E-05	2.70E-03	0.00E+00	1.33E-05	1.08E-03	0.00E+00
4257	441192.4	3768672	1.61E-04	1.07E-02	0.00E+00	1.82E-04	1.55E-02	0.00E+00	3.05E-05	2.64E-03	0.00E+00	1.33E-05	1.06E-03	0.00E+00
4258	441192.5	3768682	1.61E-04	1.04E-02	0.00E+00	1.82E-04	1.51E-02	0.00E+00	3.05E-05	2.58E-03	0.00E+00	1.33E-05	1.03E-03	0.00E+00
4259	441192.5	3768692	1.61E-04	1.01E-02	0.00E+00	1.82E-04	1.46E-02	0.00E+00	3.05E-05	2.49E-03	0.00E+00	1.33E-05	9.99E-04	0.00E+00
4260	441192.5	3768702	1.61E-04	9.64E-03	0.00E+00	1.82E-04	1.40E-02	0.00E+00	3.05E-05	2.39E-03	0.00E+00	1.33E-05	9.57E-04	0.00E+00
4261	441192.6	3768712	1.61E-04	9.17E-03	0.00E+00	1.82E-04	1.33E-02	0.00E+00	3.05E-05	2.27E-03	0.00E+00	1.33E-05	9.11E-04	0.00E+00
4262	441192.6	3768722	1.61E-04	8.67E-03	0.00E+00	1.82E-04	1.26E-02	0.00E+00	3.05E-05	2.15E-03	0.00E+00	1.33E-05	8.61E-04	0.00E+00
4263	441192.6	3768732	1.61E-04	8.20E-03	0.00E+00	1.82E-04	1.19E-02	0.00E+00	3.05E-05	2.03E-03	0.00E+00	1.33E-05	8.14E-04	0.00E+00
4264	441192.7	3768742	1.61E-04	7.69E-03	0.00E+00	1.82E-04	1.12E-02	0.00E+00	3.05E-05	1.91E-03	0.00E+00	1.33E-05	7.63E-04	0.00E+00
4265	441192.7	3768752	1.61E-04	7.14E-03	0.00E+00	1.82E-04	1.04E-02	0.00E+00	3.05E-05	1.77E-03	0.00E+00	1.33E-05	7.09E-04	0.00E+00
4266	441192.8	3768782	1.61E-04	5.47E-03	0.00E+00	1.82E-04	7.95E-03	0.00E+00	3.05E-05	1.35E-03	0.00E+00	1.33E-05	5.43E-04	0.00E+00
4267	441192.8	3768792	1.61E-04	4.94E-03	0.00E+00	1.82E-04	7.19E-03	0.00E+00	3.05E-05	1.23E-03	0.00E+00	1.33E-05	4.91E-04	0.00E+00
4268	441179	3768596	1.61E-04	9.03E-03	0.00E+00	1.82E-04	1.31E-02	0.00E+00	3.05E-05	2.24E-03	0.00E+00	1.33E-05	8.96E-04	0.00E+00
4269	441220.2	3768545	1.61E-04	9.48E-03	0.00E+00	1.82E-04	1.38E-02	0.00E+00	3.05E-05	2.35E-03	0.00E+00	1.33E-05	9.41E-04	0.00E+00
4270	441172.4	3768642	1.61E-04	8.79E-03	0.00E+00	1.82E-04	1.28E-02	0.00E+00	3.05E-05	2.18E-03	0.00E+00	1.33E-05	8.73E-04	0.00E+00
4271	441172.4	3768652	1.61E-04	8.72E-03	0.00E+00	1.82E-04	1.27E-02	0.00E+00	3.05E-05	2.16E-03	0.00E+00	1.33E-05	8.66E-04	0.00E+00
4272	441172.4	3768662	1.61E-04	8.59E-03	0.00E+00	1.82E-04	1.25E-02	0.00E+00	3.05E-05	2.13E-03	0.00E+00	1.33E-05	8.53E-04	0.00E+00
4273	441172.4	3768672	1.61E-04	8.41E-03	0.00E+00	1.82E-04	1.22E-02	0.00E+00	3.05E-05	2.08E-03	0.00E+00	1.33E-05	8.35E-04	0.00E+00
4274	441172.5	3768682	1.61E-04	8.18E-03	0.00E+00	1.82E-04	1.19E-02	0.00E+00	3.05E-05	2.03E-03	0.00E+00	1.33E-05	8.12E-04	0.00E+00
4275	441172.5	3768692	1.61E-04	7.90E-03	0.00E+00	1.82E-04	1.15E-02	0.00E+00	3.05E-05	1.96E-03	0.00E+00	1.33E-05	7.85E-04	0.00E+00
4276	441172.5	3768702	1.61E-04	7.58E-03	0.00E+00	1.82E-04	1.10E-02	0.00E+00	3.05E-05	1.88E-03	0.00E+00	1.33E-05	7.53E-04	0.00E+00
4277	441172.6	3768712	1.61E-04	7.23E-03	0.00E+00	1.82E-04	1.05E-02	0.00E+00	3.05E-05	1.79E-03	0.00E+00	1.33E-05	7.18E-04	0.00E+00
4278	441172.6	3768722	1.61E-04	6.86E-03	0.00E+00	1.82E-04	9.97E-03	0.00E+00	3.05E-05	1.70E-03	0.00E+00	1.33E-05	6.81E-04	0.00E+00
4279	441172.6	3768732	1.61E-04	6.49E-03	0.00E+00	1.82E-04	9.44E-03	0.00E+00	3.05E-05	1.61E-03	0.00E+00	1.33E-05	6.45E-04	0.00E+00
4280	441172.7	3768742	1.61E-04	6.11E-03	0.00E+00	1.82E-04	8.88E-03	0.00E+00	3.05E-05	1.51E-03	0.00E+00	1.33E-05	6.07E-04	0.00E+00
4281	441172.7	3768752	1.61E-04	5.71E-03	0.00E+00	1.82E-04	8.30E-03	0.00E+00	3.05E-05	1.42E-03	0.00E+00	1.33E-05	5.67E-04	0.00E+00
4282	441159.6	3768594	1.61E-04	7.57E-03	0.00E+00	1.82E-04	1.10E-02	0.00E+00	3.05E-05	1.87E-03	0.00E+00	1.33E-05	7.51E-04	0.00E+00
4283	441178	3768550	1.61E-04	7.58E-03	0.00E+00	1.82E-04	1.10E-02	0.00E+00	3.05E-05	1.88E-03	0.00E+00	1.33E-05	7.53E-04	0.00E+00
4284	441152.4	3768642	1.61E-04	7.18E-03	0.00E+00	1.82E-04	1.04E-02	0.00E+00	3.05E-05	1.78E-03	0.00E+00	1.33E-05	7.13E-04	0.00E+00
4285	441152.4	3768652	1.61E-04	7.10E-03	0.00E+00	1.82E-04	1.03E-02	0.00E+00	3.05E-05	1.76E-03	0.00E+00	1.33E-05	7.05E-04	0.00E+00
4286	441152.4	3768662	1.61E-04	6.98E-03	0.00E+00	1.82E-04	1.02E-02	0.00E+00	3.05E-05	1.73E-03	0.00E+00	1.33E-05	6.93E-04	0.00E+00
4287	441152.4	3768672	1.61E-04	6.81E-03	0.00E+00	1.82E-04	9.90E-03	0.00E+00	3.05E-05	1.69E-03	0.00E+00	1.33E-05	6.76E-04	0.00E+00
4288	441152.5	3768682	1.61E-04	6.60E-03	0.00E+00	1.82E-04	9.60E-03	0.00E+00	3.05E-05	1.64E-03	0.00E+00	1.33E-05	6.56E-04	0.00E+00
4289	441152.5	3768692	1.61E-04	6.37E-03	0.00E+00	1.82E-04	9.26E-03	0.00E+00	3.05E-05	1.58E-03	0.00E+00	1.33E-05	6.33E-04	0.00E+00
4290	441152.5	3768702	1.61E-04	6.13E-03	0.00E+00	1.82E-04	8.91E-03	0.00E+00	3.05E-05	1.52E-03	0.00E+00	1.33E-05	6.08E-04	0.00E+00
4291	441152.6	3768712	1.61E-04	5.86E-03	0.00E+00	1.82E-04	8.52E-03	0.00E+00	3.05E-05	1.45E-03	0.00E+00	1.33E-05	5.82E-04	0.00E+00
4292	441152.6	3768722	1.61E-04	5.58E-03	0.00E+00	1.82E-04	8.11E-03	0.00E+00	3.05E-05	1.38E-03	0.00E+00	1.33E-05	5.54E-04	0.00E+00
4293	441152.6	3768732	1.61E-04	5.29E-03	0.00E+00	1.82E-04	7.69E-03	0.00E+00	3.05E-05	1.31E-03	0.00E+00	1.33E-05	5.25E-04	0.00E+00
4294	441152.7	3768742	1.61E-04	4.99E-03	0.00E+00	1.82E-04	7.26E-03	0.00E+00	3.05E-05	1.24E-03	0.00E+00	1.33E-05	4.96E-04	0.00E+00
4295	441152.7	3768752	1.61E-04	4.69E-03	0.00E+00	1.82E-04	6.81E-03	0.00E+00	3.05E-05	1.16E-03	0.00E+00	1.33E-05	4.65E-04	0.00E+00
4296	441139.3	3768595	1.61E-04	6.37E-03	0.00E+00	1.82E-04	9.25E-03	0.00E+00	3.05E-05	1.58E-03	0.00E+00	1.33E-05	6.32E-04	0.00E+00
4297	441160.5	3768544	1.61E-04	6.63E-03	0.00E+00	1.82E-04	9.63E-03	0.00E+00	3.05E-05	1.64E-03	0.00E+00	1.33E-05	6.58E-04	0.00E+00
4298	441210.3	3768509	1.61E-04	7.09E-03	0.00E+00	1.82E-04	1.03E-02	0.00E+00	3.05E-05	1.76E-03	0.00E+00	1.33E-05	7.04E-04	0.00E+00
4299	441132.4	3768642	1.61E-04	5.96E-03	0.00E+00	1.82E-04	8.67E-03	0.00E+00	3.05E-05	1.48E-03	0.00E+00	1.33E-05	5.92E-04	0.00E+00
4300	441132.4	3768652	1.61E-04	5.87E-03	0.00E+00	1.82E-04	8.54E-03	0.00E+00	3.05E-05	1.46E-03	0.00E+00	1.33E-05	5.83E-04	0.00E+00
4301	441132.4	3768662	1.61E-04	5.76E-03	0.00E+00	1.82E-04	8.37E-03	0.00E+00	3.05E-05	1.43E-03	0.00E+00	1.33E-05	5.72E-04	0.00E+00
4302	441132.4	3768672	1.61E-04	5.62E-03	0.00E+00	1.82E-04	8.17E-03	0.00E+00	3.05E-05	1.39E-03	0.00E+00	1.33E-05	5.58E-04	0.00E+00
4303	441132.5	3768682	1.61E-04	5.46E-03	0.00E+00	1.82E-04	7.94E-03	0.00E+00	3.05E-05	1.35E-03	0.00E+00	1.33E-05	5.42E-04	0.00E+00
4304	441132.5	3768692	1.61E-04	5.28E-03	0.00E+00	1.82E-04	7.68E-03	0.00E+00	3.05E-05	1.31E-03	0.00E+00	1.33E-05	5.24E-04	0.00E+00
4305	441132.5	3768702	1.61E-04	5.09E-03	0.00E+00	1.82E-04	7.39E-03	0.00E+00	3.05E-05	1.26E-03	0.00E+00	1.33E-05	5.05E-04	0.00E+00
4306	441132.6	3768712	1.61E-04	4.88E-03	0.00E+00	1.82E-04	7.09E-03	0.00E+00	3.05E-05	1.21E-03	0.00E+00	1.33E-05	4.84E-04	0.00E+00
4307	441132.6	3768722	1.61E-04	4.66E-03	0.00E+00	1.82E-04	6.77E-03	0.00E+00	3.05E-05	1.15E-03	0.00E+00	1.33E-05	4.62E-04	0.00E+00
4308	441132.6	3768732	1.61E-04	4.42E-03	0.00E+00	1.82E-04	6.43E-03	0.00E+00	3.05E-05	1.10E-03	0.00E+00	1.33E-05	4.39E-04	0.00E+00
4309	441132.7	3768742	1.61E-04	4.19E-03	0.00E+00	1.82E-04	6.09E-03	0.00E+00	3.05E-05	1.04E-03	0.00E+00	1.33E-05	4.16E-04	0.00E+00
4310	441132.7	3768752	1.61E-04	3.95E-03	0.00E+00	1.82E-04	5.74E-03	0.00E+00	3.05E-05	9.79E-04	0.00E+00	1.33E-05	3.92E-04	0.00E+00
4311	441119.7	3768594	1.61E-04	5.41E-03	0.00E+00	1.82E-04	7.87E-03	0.00E+00	3.05E-05	1.34E-03	0.00E+00	1.33E-05	5.38E-04	0.00E+00
4312	441138.5	3768549	1.61E-04	5.84E-03	0.00E+00	1.82E-04	8.48E-03	0.00E+00	3.05E-05	1.45E-03	0.00E+00	1.33E-05	5.79E-04	0.00E+00
4313	441112.4	3768642	1.61E-04	5.03E-03	0.00E+00	1.82E-04	7.31E-03	0.00E+00	3.05E-05	1.25E-03	0.00E+00	1.33E-05	4.99E-04	0.00E+00
4314	441112.4	3768652	1.61E-04	4.94E-03	0.00E+00	1.82E-04	7.19E-03	0.00E+00	3.05E-05	1.23E-03	0.00E+00	1.33E-05	4.91E-04	0.00E+00
4315	441112.4	3768662	1.61E-04	4.84E-03	0.00E+00	1.82E-04	7.04E-03	0.00E+00	3.05E-05	1.20E-03	0.00E+00	1.33E-05	4.81E-04	0.00E+00
4316	441112.4	3768672	1.61E-04	4.73E-03	0.00E+00	1.82E-04	6.87E-03	0.00E+00	3.05E-05	1.17E-03	0.00E+00	1.33E-05	4.69E-04	0.00E+00
4317	441112.5	3768682	1.61E-04	4.60E-03	0.00E+00	1.82E-04	6.69E-03	0.00E+00	3.05E-05	1.14E-03	0.00E+00	1.33E-05	4.57E-04	0.00E+00

4318	441112.5	3768692	1.61E-04	4.46E-03	0.00E+00	1.82E-04	6.48E-03	0.00E+00	3.05E-05	1.10E-03	0.00E+00	1.33E-05	4.42E-04	0.00E+00
4319	441112.5	3768702	1.61E-04	4.30E-03	0.00E+00	1.82E-04	6.24E-03	0.00E+00	3.05E-05	1.06E-03	0.00E+00	1.33E-05	4.26E-04	0.00E+00
4320	441112.6	3768712	1.61E-04	4.13E-03	0.00E+00	1.82E-04	6.00E-03	0.00E+00	3.05E-05	1.02E-03	0.00E+00	1.33E-05	4.10E-04	0.00E+00
4321	441112.6	3768722	1.61E-04	3.95E-03	0.00E+00	1.82E-04	5.74E-03	0.00E+00	3.05E-05	9.79E-04	0.00E+00	1.33E-05	3.92E-04	0.00E+00
4322	441112.6	3768732	1.61E-04	3.77E-03	0.00E+00	1.82E-04	5.48E-03	0.00E+00	3.05E-05	9.34E-04	0.00E+00	1.33E-05	3.74E-04	0.00E+00
4323	441112.7	3768742	1.61E-04	3.58E-03	0.00E+00	1.82E-04	5.21E-03	0.00E+00	3.05E-05	8.88E-04	0.00E+00	1.33E-05	3.56E-04	0.00E+00
4324	441112.7	3768752	1.61E-04	3.40E-03	0.00E+00	1.82E-04	4.94E-03	0.00E+00	3.05E-05	8.42E-04	0.00E+00	1.33E-05	3.37E-04	0.00E+00
4325	441095.9	3768604	1.61E-04	4.57E-03	0.00E+00	1.82E-04	6.64E-03	0.00E+00	3.05E-05	1.13E-03	0.00E+00	1.33E-05	4.53E-04	0.00E+00
4326	441099.5	3768595	1.61E-04	4.68E-03	0.00E+00	1.82E-04	6.81E-03	0.00E+00	3.05E-05	1.16E-03	0.00E+00	1.33E-05	4.65E-04	0.00E+00
4327	441117.6	3768551	1.61E-04	5.12E-03	0.00E+00	1.82E-04	7.44E-03	0.00E+00	3.05E-05	1.27E-03	0.00E+00	1.33E-05	5.08E-04	0.00E+00
4328	441183.1	3768481	1.61E-04	5.69E-03	0.00E+00	1.82E-04	8.28E-03	0.00E+00	3.05E-05	1.41E-03	0.00E+00	1.33E-05	5.65E-04	0.00E+00
4329	441092.3	3768612	1.61E-04	4.44E-03	0.00E+00	1.82E-04	6.45E-03	0.00E+00	3.05E-05	1.10E-03	0.00E+00	1.33E-05	4.40E-04	0.00E+00
4330	441092.3	3768622	1.61E-04	4.41E-03	0.00E+00	1.82E-04	6.41E-03	0.00E+00	3.05E-05	1.09E-03	0.00E+00	1.33E-05	4.37E-04	0.00E+00
4331	441092.3	3768632	1.61E-04	4.36E-03	0.00E+00	1.82E-04	6.34E-03	0.00E+00	3.05E-05	1.08E-03	0.00E+00	1.33E-05	4.33E-04	0.00E+00
4332	441092.4	3768642	1.61E-04	4.30E-03	0.00E+00	1.82E-04	6.26E-03	0.00E+00	3.05E-05	1.07E-03	0.00E+00	1.33E-05	4.27E-04	0.00E+00
4333	441092.4	3768652	1.61E-04	4.23E-03	0.00E+00	1.82E-04	6.15E-03	0.00E+00	3.05E-05	1.05E-03	0.00E+00	1.33E-05	4.20E-04	0.00E+00
4334	441092.4	3768662	1.61E-04	4.14E-03	0.00E+00	1.82E-04	6.02E-03	0.00E+00	3.05E-05	1.03E-03	0.00E+00	1.33E-05	4.11E-04	0.00E+00
4335	441092.4	3768672	1.61E-04	4.04E-03	0.00E+00	1.82E-04	5.87E-03	0.00E+00	3.05E-05	1.00E-03	0.00E+00	1.33E-05	4.01E-04	0.00E+00
4336	441092.5	3768682	1.61E-04	3.93E-03	0.00E+00	1.82E-04	5.71E-03	0.00E+00	3.05E-05	9.73E-04	0.00E+00	1.33E-05	3.90E-04	0.00E+00
4337	441092.5	3768692	1.61E-04	3.81E-03	0.00E+00	1.82E-04	5.53E-03	0.00E+00	3.05E-05	9.43E-04	0.00E+00	1.33E-05	3.78E-04	0.00E+00
4338	441092.5	3768702	1.61E-04	3.68E-03	0.00E+00	1.82E-04	5.34E-03	0.00E+00	3.05E-05	9.11E-04	0.00E+00	1.33E-05	3.65E-04	0.00E+00
4339	441092.6	3768712	1.61E-04	3.54E-03	0.00E+00	1.82E-04	5.15E-03	0.00E+00	3.05E-05	8.77E-04	0.00E+00	1.33E-05	3.51E-04	0.00E+00
4340	441092.6	3768722	1.61E-04	3.40E-03	0.00E+00	1.82E-04	4.94E-03	0.00E+00	3.05E-05	8.43E-04	0.00E+00	1.33E-05	3.38E-04	0.00E+00
4341	441092.6	3768732	1.61E-04	3.26E-03	0.00E+00	1.82E-04	4.73E-03	0.00E+00	3.05E-05	8.07E-04	0.00E+00	1.33E-05	3.23E-04	0.00E+00
4342	441092.7	3768742	1.61E-04	3.11E-03	0.00E+00	1.82E-04	4.52E-03	0.00E+00	3.05E-05	7.71E-04	0.00E+00	1.33E-05	3.09E-04	0.00E+00
4343	441092.7	3768752	1.61E-04	2.96E-03	0.00E+00	1.82E-04	4.31E-03	0.00E+00	3.05E-05	7.35E-04	0.00E+00	1.33E-05	2.94E-04	0.00E+00
4344	441079.8	3768594	1.61E-04	4.10E-03	0.00E+00	1.82E-04	5.96E-03	0.00E+00	3.05E-05	1.02E-03	0.00E+00	1.33E-05	4.07E-04	0.00E+00
4345	441083.6	3768585	1.61E-04	4.20E-03	0.00E+00	1.82E-04	6.10E-03	0.00E+00	3.05E-05	1.04E-03	0.00E+00	1.33E-05	4.17E-04	0.00E+00
4346	441087.4	3768576	1.61E-04	4.29E-03	0.00E+00	1.82E-04	6.24E-03	0.00E+00	3.05E-05	1.06E-03	0.00E+00	1.33E-05	4.26E-04	0.00E+00
4347	441091.2	3768567	1.61E-04	4.38E-03	0.00E+00	1.82E-04	6.37E-03	0.00E+00	3.05E-05	1.09E-03	0.00E+00	1.33E-05	4.35E-04	0.00E+00
4348	441094.9	3768557	1.61E-04	4.46E-03	0.00E+00	1.82E-04	6.48E-03	0.00E+00	3.05E-05	1.11E-03	0.00E+00	1.33E-05	4.43E-04	0.00E+00
4349	441098.7	3768548	1.61E-04	4.53E-03	0.00E+00	1.82E-04	6.59E-03	0.00E+00	3.05E-05	1.12E-03	0.00E+00	1.33E-05	4.50E-04	0.00E+00
4350	441072.4	3768642	1.61E-04	3.73E-03	0.00E+00	1.82E-04	5.43E-03	0.00E+00	3.05E-05	9.25E-04	0.00E+00	1.33E-05	3.71E-04	0.00E+00
4351	441072.4	3768652	1.61E-04	3.67E-03	0.00E+00	1.82E-04	5.33E-03	0.00E+00	3.05E-05	9.09E-04	0.00E+00	1.33E-05	3.64E-04	0.00E+00
4352	441072.4	3768662	1.61E-04	3.59E-03	0.00E+00	1.82E-04	5.22E-03	0.00E+00	3.05E-05	8.90E-04	0.00E+00	1.33E-05	3.57E-04	0.00E+00
4353	441072.4	3768672	1.61E-04	3.50E-03	0.00E+00	1.82E-04	5.09E-03	0.00E+00	3.05E-05	8.69E-04	0.00E+00	1.33E-05	3.48E-04	0.00E+00
4354	441072.5	3768682	1.61E-04	3.41E-03	0.00E+00	1.82E-04	4.96E-03	0.00E+00	3.05E-05	8.45E-04	0.00E+00	1.33E-05	3.38E-04	0.00E+00
4355	441072.5	3768692	1.61E-04	3.31E-03	0.00E+00	1.82E-04	4.81E-03	0.00E+00	3.05E-05	8.20E-04	0.00E+00	1.33E-05	3.28E-04	0.00E+00
4356	441072.5	3768702	1.61E-04	3.20E-03	0.00E+00	1.82E-04	4.65E-03	0.00E+00	3.05E-05	7.93E-04	0.00E+00	1.33E-05	3.18E-04	0.00E+00
4357	441072.6	3768712	1.61E-04	3.09E-03	0.00E+00	1.82E-04	4.49E-03	0.00E+00	3.05E-05	7.65E-04	0.00E+00	1.33E-05	3.07E-04	0.00E+00
4358	441072.6	3768722	1.61E-04	2.97E-03	0.00E+00	1.82E-04	4.32E-03	0.00E+00	3.05E-05	7.37E-04	0.00E+00	1.33E-05	2.95E-04	0.00E+00
4359	441072.6	3768732	1.61E-04	2.86E-03	0.00E+00	1.82E-04	4.15E-03	0.00E+00	3.05E-05	7.08E-04	0.00E+00	1.33E-05	2.83E-04	0.00E+00
4360	441072.7	3768742	1.61E-04	2.74E-03	0.00E+00	1.82E-04	3.98E-03	0.00E+00	3.05E-05	6.78E-04	0.00E+00	1.33E-05	2.72E-04	0.00E+00
4361	441072.7	3768752	1.61E-04	2.62E-03	0.00E+00	1.82E-04	3.81E-03	0.00E+00	3.05E-05	6.49E-04	0.00E+00	1.33E-05	2.60E-04	0.00E+00
4362	441072.8	3768782	1.61E-04	2.27E-03	0.00E+00	1.82E-04	3.30E-03	0.00E+00	3.05E-05	5.63E-04	0.00E+00	1.33E-05	2.26E-04	0.00E+00
4363	441072.8	3768792	1.61E-04	2.16E-03	0.00E+00	1.82E-04	3.15E-03	0.00E+00	3.05E-05	5.36E-04	0.00E+00	1.33E-05	2.15E-04	0.00E+00
4364	441055.9	3768603	1.61E-04	3.50E-03	0.00E+00	1.82E-04	5.09E-03	0.00E+00	3.05E-05	8.68E-04	0.00E+00	1.33E-05	3.48E-04	0.00E+00
4365	441059.6	3768595	1.61E-04	3.60E-03	0.00E+00	1.82E-04	5.23E-03	0.00E+00	3.05E-05	8.92E-04	0.00E+00	1.33E-05	3.57E-04	0.00E+00
4366	441078	3768550	1.61E-04	3.99E-03	0.00E+00	1.82E-04	5.81E-03	0.00E+00	3.05E-05	9.90E-04	0.00E+00	1.33E-05	3.97E-04	0.00E+00
4367	441081.7	3768541	1.61E-04	4.06E-03	0.00E+00	1.82E-04	5.90E-03	0.00E+00	3.05E-05	1.01E-03	0.00E+00	1.33E-05	4.03E-04	0.00E+00
4368	441092.7	3768515	1.61E-04	4.18E-03	0.00E+00	1.82E-04	6.07E-03	0.00E+00	3.05E-05	1.04E-03	0.00E+00	1.33E-05	4.15E-04	0.00E+00
4369	441096.4	3768506	1.61E-04	4.20E-03	0.00E+00	1.82E-04	6.10E-03	0.00E+00	3.05E-05	1.04E-03	0.00E+00	1.33E-05	4.16E-04	0.00E+00
4370	441100	3768497	1.61E-04	4.20E-03	0.00E+00	1.82E-04	6.11E-03	0.00E+00	3.05E-05	1.04E-03	0.00E+00	1.33E-05	4.17E-04	0.00E+00
4371	441103.7	3768488	1.61E-04	4.19E-03	0.00E+00	1.82E-04	6.10E-03	0.00E+00	3.05E-05	1.04E-03	0.00E+00	1.33E-05	4.16E-04	0.00E+00
4372	441107.4	3768479	1.61E-04	4.18E-03	0.00E+00	1.82E-04	6.07E-03	0.00E+00	3.05E-05	1.04E-03	0.00E+00	1.33E-05	4.15E-04	0.00E+00
4373	441052.3	3768612	1.61E-04	3.40E-03	0.00E+00	1.82E-04	4.94E-03	0.00E+00	3.05E-05	8.42E-04	0.00E+00	1.33E-05	3.37E-04	0.00E+00
4374	441052.3	3768622	1.61E-04	3.36E-03	0.00E+00	1.82E-04	4.89E-03	0.00E+00	3.05E-05	8.34E-04	0.00E+00	1.33E-05	3.34E-04	0.00E+00
4375	441052.3	3768632	1.61E-04	3.32E-03	0.00E+00	1.82E-04	4.83E-03	0.00E+00	3.05E-05	8.23E-04	0.00E+00	1.33E-05	3.30E-04	0.00E+00
4376	441052.4	3768642	1.61E-04	3.27E-03	0.00E+00	1.82E-04	4.76E-03	0.00E+00	3.05E-05	8.11E-04	0.00E+00	1.33E-05	3.25E-04	0.00E+00
4377	441052.4	3768652	1.61E-04	3.22E-03	0.00E+00	1.82E-04	4.67E-03	0.00E+00	3.05E-05	7.97E-04	0.00E+00	1.33E-05	3.19E-04	0.00E+00
4378	441052.4	3768662	1.61E-04	3.15E-03	0.00E+00	1.82E-04	4.58E-03	0.00E+00	3.05E-05	7.81E-04	0.00E+00	1.33E-05	3.13E-04	0.00E+00
4379	441052.4	3768672	1.61E-04	3.07E-03	0.00E+00	1.82E-04	4.47E-03	0.00E+00	3.05E-05	7.62E-04	0.00E+00	1.33E-05	3.05E-04	0.00E+00
4380	441052.5	3768682	1.61E-04	2.99E-03	0.00E+00	1.82E-04	4.35E-03	0.00E+00	3.05E-05	7.41E-04	0.00E+00	1.33E-05	2.97E-04	0.00E+00
4381	441052.5	3768692	1.61E-04	2.90E-03	0.00E+00	1.82E-04	4.22E-03	0.00E+00	3.05E-05	7.20E-04	0.00E+00	1.33E-05	2.88E-04	0.00E+00
4382	441052.5	3768702	1.61E-04	2.82E-03	0.00E+00	1.82E-04	4.09E-03	0.00E+00	3.05E-05	6.98E-04	0.00E+00	1.33E-05	2.79E-04	0.00E+00
4383	441052.6	3768712	1.61E-04	2.72E-03	0.00E+00	1.82E-04	3.96E-03	0.00E+00	3.05E-05	6.75E-04	0.00E+00	1.33E-05	2.70E-04	0.00E+00
4384	441052.6	3768722	1.61E-04	2.63E-03	0.00E+00	1.82E-04	3.82E-03	0.00E+00	3.05E-05	6.51E-04	0.00E+00	1.33E-05	2.61E-04	0.00E+00
4385	441052.6	3768732	1.61E-04	2.53E-03	0.00E+00	1.82E-04	3.68E-03	0.00E+00	3.05E-05	6.27E-04	0.00E+00	1.33E-05	2.51E-04	0.00E+00
4386	441052.7	3768742	1.61E-04	2.43E-03	0.00E+00	1.82E-04	3.54E-03	0.00E+00	3.05E-05	6.03E-04	0.00E+00	1.33E-05	2.41E-04	0.00E+00
4387	441052.7	3768752	1.61E-04	2.33E-03	0.00E+00	1.82E-04	3.39E-03	0.00E+00	3.05E-05	5.79E-04	0.00E+00	1.33E-05	2.32E-04	0.00E+00
4388	441052.8	3768782	1.61E-04	2.05E-03	0.00E+00	1.82E-04	2.98E-03	0.00E+00	3.05E-05	5.08E-04	0.00E+00	1.33E-05	2.03E-04	0.00E+00
4389	441052.8	3768792	1.61E-04	1.96E-03	0.00E+00	1.82E-04	2.85E-03	0.00E+00	3.05E-05	4.85E-04	0.00E+00	1.33E-05	1.94E-04	0.00E+00
4390	441039.9	3768594	1.61E-04	3.19E-03	0.00E+00	1.82E-04	4.64E-03	0.00E+00	3.05E-05	7.90E-04	0.00E+00	1.33E-05	3.17E-04	0.00E+00
4391	441043.7	3768585	1.61E-04	3.27E-03	0.00E+00	1.82E-04	4.76E-03	0.00E+00	3.05E-05	8.11E-04	0.00E+00	1.33E-05	3.25E-04	0.00E+00
4392	441047.5	3768576	1.61E-04	3.35E-03	0.00E+00	1.82E-04	4.87E-03	0.00E+00	3.05E-05	8.30E-04	0.00E+00	1.33E-05	3.32E-04	0.00E+00
4393	441051.3	3768566	1.61E-04	3.42E-03	0.00E+00	1.82E-04	4.97E-03	0.00E+00	3.05E-05	8.48E-04	0.00E+00	1.33E-05	3.40E-04	0.00E+00
4394	441055.1	3768557	1.61E-04	3.50E-03	0.00E+00	1.82E-04	5.08E-03	0.00E+00	3.05E-05	8.66E-04	0.00E+00	1.33E-05	3.47E-04	0.00E+00
4395	441058.9	3768548	1.61E-04	3.56E-03	0.00E+00	1.82E-04	5.18E-03	0.00E+00	3.05E-05	8.83E-04	0.00E+00	1.33E-05	3.54E-04	0.00E+00
4396	441016	3768604	1.61E-04	2.76E-03	0.00E+00	1.82E-04	4.02E-03	0.00E+00	3.05E-05	6.85E-04	0.00E+00	1.33E-05	2.74E-04	0.00E+00
4397	441019.7	3768595	1.61E-04	2.84E-03	0.00E+00	1.82E-04	4.13E-03	0.00E+00	3.05E-05	7.04E-04	0.00E+00	1.33E-05	2.82E-04	0.00E+00
4398	441038.3	3768550	1.61E-04	3.19E-03	0.00E+00	1.82E-04	4.63E-03	0.00E+00	3.05E-05	7.89E-04	0.00E+00	1.33E-05	3.16E-04	0.00E+00
4399	441042	3768541	1.61E-04	3.24E-03	0.00E+00	1.82E-04	4.71E-03	0.00E+00	3.05E-05	8.04E-04	0.00E+00	1.33E-05	3.22E-04	0.00E+00
4400	441053.1	3768514	1.61E-04	3.38E-03	0.00E+00	1.82E-04	4.92E-03	0.00E+00	3.05E-05	8.38E-04	0.00E+00	1.33E-05	3.36E-04	0.00E+00
4401	441056.8	3768505	1.61E-04	3.41E-03	0.00E+00	1.82E-04	4.96E-03	0.00E+00	3.05E-05	8.46E-04	0.00E+00	1.33E-05	3.39E-04	0.00E+00
4402	441060.5	3768496	1.61E-04	3.44E-03	0.00E+00	1.82E-04	5.00E-03	0.00E+00	3.05E-05	8.52E-04	0.00E+00	1.33E-05	3.41E-04	0.00E+00
4403	441064.2	3768487	1.61E-04	3.46E-03	0.00E+00	1.82E-04	5.03E-03	0.00E+00	3.05E-05	8.57E-04	0.00E+00	1.33E-05	3.43E-04	0.00E+00
4404	441068	3768478	1.61E-04	3.47E-03	0.00E+00	1.82E-04	5.04E-03	0.00E+00	3.05E-05	8.59E-04	0.00E+00	1.33E-05	3.44E-04	0.00E+00
4405	441071.7	3768469	1.61E-04	3.46E-03	0.00E+00	1.82E-04	5.03E-03	0.00E+00	3.05E-05	8.58E-04	0.00E+00	1.33E-05	3.44E-04	0.00E+00
4406	441075.4	3768460	1.61E-04	3.45E-03	0.00E+00	1.82E-04	5.02E-03	0.00E+00	3.05E-05	8.56E-04	0.00E+00	1.33E-05	3.43E-04	0.00E+00
4407	441012.3	3768612	1.61E-04	2.68E-03	0.00E+00	1.82E-04	3.90E-03	0.00E+00	3.05E-05	6.65E-04	0.00E+00	1.33E-05	2.66E-04	0.00E+00
4408	441012.3	3768622	1.61E-04	2.65E-03	0.00E+00	1.82E-04	3.86E-03	0.00E+00	3.05E-05	6.58E-04	0.00E+00	1.33E-05	2.63E-04	0.00E+00
4409	441012.3	3768632	1.61E-04	2.62E-03	0.00E+00	1.82E-04	3.81E-03	0.00E+00	3.05E-05	6.49E-04	0.00E+00	1.33E-05	2.60E-04	0.00E+00
4410	441012.4	3768642	1.61E-04	2.58E-03	0.00E+00	1.82E-04	3.75E-03	0.00E+00	3.05E-05	6.39E-04	0.00E+00	1.33E-05	2.56E-04	0.00E+00
4411	441012.4	3768652	1.61E-04	2.54E-03	0.00E+00	1.82E-04	3.69E-03	0.00E+00	3.05E-05	6.28E-04	0.00E+00	1.33E-05	2.52E-04	0.00E+00
4412	441012.4	3768662	1.61E-04	2.49E-03	0.00E+00	1.82E-04	3.61E-03	0.00E+00	3.05E-05	6.16E-04	0.00E+00	1.33E-05	2.47E-04	0.00E+00
4413	441012.4	3768672	1.61E-04	2.43E-03	0.00E+00	1.82E-04	3.53E-03	0.00E+00	3.05E-05	6.02E-04	0.00E+00	1.33E-05	2.41E-04	0.00E+00

4414	441012.5	3768682	1.61E-04	2.37E-03	0.00E+00	1.82E-04	3.44E-03	0.00E+00	3.05E-05	5.87E-04	0.00E+00	1.33E-05	2.35E-04	0.00E+00
4415	441012.5	3768692	1.61E-04	2.30E-03	0.00E+00	1.82E-04	3.35E-03	0.00E+00	3.05E-05	5.71E-04	0.00E+00	1.33E-05	2.29E-04	0.00E+00
4416	441012.5	3768702	1.61E-04	2.24E-03	0.00E+00	1.82E-04	3.25E-03	0.00E+00	3.05E-05	5.55E-04	0.00E+00	1.33E-05	2.22E-04	0.00E+00
4417	441012.6	3768712	1.61E-04	2.17E-03	0.00E+00	1.82E-04	3.16E-03	0.00E+00	3.05E-05	5.39E-04	0.00E+00	1.33E-05	2.16E-04	0.00E+00
4418	441012.6	3768722	1.61E-04	2.11E-03	0.00E+00	1.82E-04	3.06E-03	0.00E+00	3.05E-05	5.22E-04	0.00E+00	1.33E-05	2.09E-04	0.00E+00
4419	441012.6	3768732	1.61E-04	2.04E-03	0.00E+00	1.82E-04	2.96E-03	0.00E+00	3.05E-05	5.05E-04	0.00E+00	1.33E-05	2.02E-04	0.00E+00
4420	441012.7	3768742	1.61E-04	1.97E-03	0.00E+00	1.82E-04	2.86E-03	0.00E+00	3.05E-05	4.87E-04	0.00E+00	1.33E-05	1.95E-04	0.00E+00
4421	441012.7	3768752	1.61E-04	1.90E-03	0.00E+00	1.82E-04	2.76E-03	0.00E+00	3.05E-05	4.70E-04	0.00E+00	1.33E-05	1.88E-04	0.00E+00
4422	441012.7	3768772	1.61E-04	1.76E-03	0.00E+00	1.82E-04	2.56E-03	0.00E+00	3.05E-05	4.37E-04	0.00E+00	1.33E-05	1.75E-04	0.00E+00
4423	441012.8	3768782	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.47E-03	0.00E+00	3.05E-05	4.21E-04	0.00E+00	1.33E-05	1.69E-04	0.00E+00
4424	441012.8	3768792	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.37E-03	0.00E+00	3.05E-05	4.05E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
4425	440999.5	3768595	1.61E-04	2.55E-03	0.00E+00	1.82E-04	3.71E-03	0.00E+00	3.05E-05	6.33E-04	0.00E+00	1.33E-05	2.54E-04	0.00E+00
4426	441003.2	3768586	1.61E-04	2.62E-03	0.00E+00	1.82E-04	3.81E-03	0.00E+00	3.05E-05	6.50E-04	0.00E+00	1.33E-05	2.60E-04	0.00E+00
4427	441006.8	3768577	1.61E-04	2.69E-03	0.00E+00	1.82E-04	3.91E-03	0.00E+00	3.05E-05	6.66E-04	0.00E+00	1.33E-05	2.67E-04	0.00E+00
4428	441010.5	3768569	1.61E-04	2.75E-03	0.00E+00	1.82E-04	4.00E-03	0.00E+00	3.05E-05	6.82E-04	0.00E+00	1.33E-05	2.73E-04	0.00E+00
4429	441014.1	3768560	1.61E-04	2.81E-03	0.00E+00	1.82E-04	4.08E-03	0.00E+00	3.05E-05	6.96E-04	0.00E+00	1.33E-05	2.79E-04	0.00E+00
4430	441017.7	3768551	1.61E-04	2.86E-03	0.00E+00	1.82E-04	4.16E-03	0.00E+00	3.05E-05	7.10E-04	0.00E+00	1.33E-05	2.84E-04	0.00E+00
4431	440992.4	3768643	1.61E-04	2.31E-03	0.00E+00	1.82E-04	3.36E-03	0.00E+00	3.05E-05	5.73E-04	0.00E+00	1.33E-05	2.30E-04	0.00E+00
4432	440992.4	3768652	1.61E-04	2.27E-03	0.00E+00	1.82E-04	3.30E-03	0.00E+00	3.05E-05	5.63E-04	0.00E+00	1.33E-05	2.26E-04	0.00E+00
4433	440992.4	3768662	1.61E-04	2.23E-03	0.00E+00	1.82E-04	3.24E-03	0.00E+00	3.05E-05	5.52E-04	0.00E+00	1.33E-05	2.21E-04	0.00E+00
4434	440992.4	3768672	1.61E-04	2.18E-03	0.00E+00	1.82E-04	3.17E-03	0.00E+00	3.05E-05	5.40E-04	0.00E+00	1.33E-05	2.16E-04	0.00E+00
4435	440992.5	3768682	1.61E-04	2.13E-03	0.00E+00	1.82E-04	3.10E-03	0.00E+00	3.05E-05	5.28E-04	0.00E+00	1.33E-05	2.11E-04	0.00E+00
4436	440992.5	3768692	1.61E-04	2.08E-03	0.00E+00	1.82E-04	3.02E-03	0.00E+00	3.05E-05	5.15E-04	0.00E+00	1.33E-05	2.06E-04	0.00E+00
4437	440992.5	3768702	1.61E-04	2.02E-03	0.00E+00	1.82E-04	2.94E-03	0.00E+00	3.05E-05	5.01E-04	0.00E+00	1.33E-05	2.01E-04	0.00E+00
4438	440992.6	3768712	1.61E-04	1.96E-03	0.00E+00	1.82E-04	2.86E-03	0.00E+00	3.05E-05	4.87E-04	0.00E+00	1.33E-05	1.95E-04	0.00E+00
4439	440992.6	3768722	1.61E-04	1.91E-03	0.00E+00	1.82E-04	2.77E-03	0.00E+00	3.05E-05	4.72E-04	0.00E+00	1.33E-05	1.89E-04	0.00E+00
4440	440992.6	3768732	1.61E-04	1.85E-03	0.00E+00	1.82E-04	2.69E-03	0.00E+00	3.05E-05	4.58E-04	0.00E+00	1.33E-05	1.83E-04	0.00E+00
4441	440992.7	3768742	1.61E-04	1.79E-03	0.00E+00	1.82E-04	2.60E-03	0.00E+00	3.05E-05	4.43E-04	0.00E+00	1.33E-05	1.78E-04	0.00E+00
4442	440992.7	3768752	1.61E-04	1.73E-03	0.00E+00	1.82E-04	2.52E-03	0.00E+00	3.05E-05	4.29E-04	0.00E+00	1.33E-05	1.72E-04	0.00E+00
4443	440992.7	3768772	1.61E-04	1.62E-03	0.00E+00	1.82E-04	2.35E-03	0.00E+00	3.05E-05	4.00E-04	0.00E+00	1.33E-05	1.60E-04	0.00E+00
4444	440992.8	3768782	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.27E-03	0.00E+00	3.05E-05	3.86E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
4445	440992.8	3768792	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.18E-03	0.00E+00	3.05E-05	3.72E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
4446	440976	3768604	1.61E-04	2.26E-03	0.00E+00	1.82E-04	3.28E-03	0.00E+00	3.05E-05	5.59E-04	0.00E+00	1.33E-05	2.24E-04	0.00E+00
4447	440979.7	3768595	1.61E-04	2.32E-03	0.00E+00	1.82E-04	3.37E-03	0.00E+00	3.05E-05	5.75E-04	0.00E+00	1.33E-05	2.30E-04	0.00E+00
4448	440998.5	3768549	1.61E-04	2.60E-03	0.00E+00	1.82E-04	3.79E-03	0.00E+00	3.05E-05	6.46E-04	0.00E+00	1.33E-05	2.59E-04	0.00E+00
4449	441002.2	3768540	1.61E-04	2.65E-03	0.00E+00	1.82E-04	3.85E-03	0.00E+00	3.05E-05	6.57E-04	0.00E+00	1.33E-05	2.63E-04	0.00E+00
4450	441013.4	3768513	1.61E-04	2.79E-03	0.00E+00	1.82E-04	4.05E-03	0.00E+00	3.05E-05	6.91E-04	0.00E+00	1.33E-05	2.77E-04	0.00E+00
4451	441017.2	3768504	1.61E-04	2.82E-03	0.00E+00	1.82E-04	4.11E-03	0.00E+00	3.05E-05	7.00E-04	0.00E+00	1.33E-05	2.80E-04	0.00E+00
4452	440972.3	3768613	1.61E-04	2.19E-03	0.00E+00	1.82E-04	3.18E-03	0.00E+00	3.05E-05	5.42E-04	0.00E+00	1.33E-05	2.17E-04	0.00E+00
4453	440972.3	3768623	1.61E-04	2.16E-03	0.00E+00	1.82E-04	3.13E-03	0.00E+00	3.05E-05	5.34E-04	0.00E+00	1.33E-05	2.14E-04	0.00E+00
4454	440972.3	3768633	1.61E-04	2.12E-03	0.00E+00	1.82E-04	3.08E-03	0.00E+00	3.05E-05	5.25E-04	0.00E+00	1.33E-05	2.10E-04	0.00E+00
4455	440972.4	3768643	1.61E-04	2.08E-03	0.00E+00	1.82E-04	3.03E-03	0.00E+00	3.05E-05	5.17E-04	0.00E+00	1.33E-05	2.07E-04	0.00E+00
4456	440972.4	3768653	1.61E-04	2.05E-03	0.00E+00	1.82E-04	2.98E-03	0.00E+00	3.05E-05	5.07E-04	0.00E+00	1.33E-05	2.03E-04	0.00E+00
4457	440972.4	3768663	1.61E-04	2.01E-03	0.00E+00	1.82E-04	2.92E-03	0.00E+00	3.05E-05	4.97E-04	0.00E+00	1.33E-05	1.99E-04	0.00E+00
4458	440972.4	3768673	1.61E-04	1.97E-03	0.00E+00	1.82E-04	2.86E-03	0.00E+00	3.05E-05	4.88E-04	0.00E+00	1.33E-05	1.95E-04	0.00E+00
4459	440972.5	3768682	1.61E-04	1.93E-03	0.00E+00	1.82E-04	2.80E-03	0.00E+00	3.05E-05	4.77E-04	0.00E+00	1.33E-05	1.91E-04	0.00E+00
4460	440972.5	3768692	1.61E-04	1.88E-03	0.00E+00	1.82E-04	2.73E-03	0.00E+00	3.05E-05	4.66E-04	0.00E+00	1.33E-05	1.87E-04	0.00E+00
4461	440972.5	3768702	1.61E-04	1.83E-03	0.00E+00	1.82E-04	2.66E-03	0.00E+00	3.05E-05	4.54E-04	0.00E+00	1.33E-05	1.82E-04	0.00E+00
4462	440972.6	3768712	1.61E-04	1.78E-03	0.00E+00	1.82E-04	2.59E-03	0.00E+00	3.05E-05	4.42E-04	0.00E+00	1.33E-05	1.77E-04	0.00E+00
4463	440972.6	3768722	1.61E-04	1.73E-03	0.00E+00	1.82E-04	2.52E-03	0.00E+00	3.05E-05	4.30E-04	0.00E+00	1.33E-05	1.72E-04	0.00E+00
4464	440972.6	3768732	1.61E-04	1.69E-03	0.00E+00	1.82E-04	2.45E-03	0.00E+00	3.05E-05	4.18E-04	0.00E+00	1.33E-05	1.67E-04	0.00E+00
4465	440972.7	3768742	1.61E-04	1.64E-03	0.00E+00	1.82E-04	2.38E-03	0.00E+00	3.05E-05	4.05E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
4466	440972.7	3768752	1.61E-04	1.59E-03	0.00E+00	1.82E-04	2.31E-03	0.00E+00	3.05E-05	3.93E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
4467	440972.8	3768782	1.61E-04	1.44E-03	0.00E+00	1.82E-04	2.09E-03	0.00E+00	3.05E-05	3.56E-04	0.00E+00	1.33E-05	1.43E-04	0.00E+00
4468	440972.8	3768792	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.44E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
4469	440959.6	3768595	1.61E-04	2.11E-03	0.00E+00	1.82E-04	3.06E-03	0.00E+00	3.05E-05	5.22E-04	0.00E+00	1.33E-05	2.09E-04	0.00E+00
4470	440963.3	3768586	1.61E-04	2.16E-03	0.00E+00	1.82E-04	3.15E-03	0.00E+00	3.05E-05	5.36E-04	0.00E+00	1.33E-05	2.15E-04	0.00E+00
4471	440967	3768577	1.61E-04	2.22E-03	0.00E+00	1.82E-04	3.23E-03	0.00E+00	3.05E-05	5.50E-04	0.00E+00	1.33E-05	2.20E-04	0.00E+00
4472	440970.6	3768568	1.61E-04	2.27E-03	0.00E+00	1.82E-04	3.31E-03	0.00E+00	3.05E-05	5.64E-04	0.00E+00	1.33E-05	2.26E-04	0.00E+00
4473	440974.3	3768559	1.61E-04	2.33E-03	0.00E+00	1.82E-04	3.38E-03	0.00E+00	3.05E-05	5.76E-04	0.00E+00	1.33E-05	2.31E-04	0.00E+00
4474	440978	3768550	1.61E-04	2.37E-03	0.00E+00	1.82E-04	3.45E-03	0.00E+00	3.05E-05	5.88E-04	0.00E+00	1.33E-05	2.36E-04	0.00E+00
4475	440952.3	3768633	1.61E-04	1.93E-03	0.00E+00	1.82E-04	2.80E-03	0.00E+00	3.05E-05	4.78E-04	0.00E+00	1.33E-05	1.92E-04	0.00E+00
4476	440952.4	3768643	1.61E-04	1.90E-03	0.00E+00	1.82E-04	2.76E-03	0.00E+00	3.05E-05	4.71E-04	0.00E+00	1.33E-05	1.89E-04	0.00E+00
4477	440952.4	3768653	1.61E-04	1.87E-03	0.00E+00	1.82E-04	2.71E-03	0.00E+00	3.05E-05	4.63E-04	0.00E+00	1.33E-05	1.85E-04	0.00E+00
4478	440952.4	3768663	1.61E-04	1.83E-03	0.00E+00	1.82E-04	2.66E-03	0.00E+00	3.05E-05	4.54E-04	0.00E+00	1.33E-05	1.82E-04	0.00E+00
4479	440952.4	3768673	1.61E-04	1.80E-03	0.00E+00	1.82E-04	2.61E-03	0.00E+00	3.05E-05	4.45E-04	0.00E+00	1.33E-05	1.78E-04	0.00E+00
4480	440952.5	3768683	1.61E-04	1.76E-03	0.00E+00	1.82E-04	2.56E-03	0.00E+00	3.05E-05	4.36E-04	0.00E+00	1.33E-05	1.74E-04	0.00E+00
4481	440952.5	3768693	1.61E-04	1.72E-03	0.00E+00	1.82E-04	2.50E-03	0.00E+00	3.05E-05	4.26E-04	0.00E+00	1.33E-05	1.71E-04	0.00E+00
4482	440952.5	3768703	1.61E-04	1.68E-03	0.00E+00	1.82E-04	2.44E-03	0.00E+00	3.05E-05	4.15E-04	0.00E+00	1.33E-05	1.66E-04	0.00E+00
4483	440952.6	3768712	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.37E-03	0.00E+00	3.05E-05	4.05E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
4484	440952.6	3768722	1.61E-04	1.59E-03	0.00E+00	1.82E-04	2.31E-03	0.00E+00	3.05E-05	3.94E-04	0.00E+00	1.33E-05	1.58E-04	0.00E+00
4485	440952.6	3768732	1.61E-04	1.55E-03	0.00E+00	1.82E-04	2.25E-03	0.00E+00	3.05E-05	3.83E-04	0.00E+00	1.33E-05	1.54E-04	0.00E+00
4486	440952.7	3768742	1.61E-04	1.50E-03	0.00E+00	1.82E-04	2.19E-03	0.00E+00	3.05E-05	3.73E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
4487	440952.7	3768752	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.12E-03	0.00E+00	3.05E-05	3.62E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
4488	440952.8	3768782	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.30E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
4489	440952.8	3768792	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.19E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
4490	440919.7	3768595	1.61E-04	1.77E-03	0.00E+00	1.82E-04	2.57E-03	0.00E+00	3.05E-05	4.38E-04	0.00E+00	1.33E-05	1.75E-04	0.00E+00
4491	440923.4	3768586	1.61E-04	1.81E-03	0.00E+00	1.82E-04	2.63E-03	0.00E+00	3.05E-05	4.49E-04	0.00E+00	1.33E-05	1.80E-04	0.00E+00
4492	440927.1	3768577	1.61E-04	1.86E-03	0.00E+00	1.82E-04	2.70E-03	0.00E+00	3.05E-05	4.60E-04	0.00E+00	1.33E-05	1.84E-04	0.00E+00
4493	440930.8	3768568	1.61E-04	1.90E-03	0.00E+00	1.82E-04	2.77E-03	0.00E+00	3.05E-05	4.72E-04	0.00E+00	1.33E-05	1.89E-04	0.00E+00
4494	440934.5	3768559	1.61E-04	1.95E-03	0.00E+00	1.82E-04	2.83E-03	0.00E+00	3.05E-05	4.82E-04	0.00E+00	1.33E-05	1.93E-04	0.00E+00
4495	440938.2	3768550	1.61E-04	1.99E-03	0.00E+00	1.82E-04	2.89E-03	0.00E+00	3.05E-05	4.93E-04	0.00E+00	1.33E-05	1.97E-04	0.00E+00
4496	440912.3	3768633	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.37E-03	0.00E+00	3.05E-05	4.05E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
4497	440912.4	3768643	1.61E-04	1.61E-03	0.00E+00	1.82E-04	2.34E-03	0.00E+00	3.05E-05	3.98E-04	0.00E+00	1.33E-05	1.60E-04	0.00E+00
4498	440912.4	3768653	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.30E-03	0.00E+00	3.05E-05	3.91E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
4499	440912.4	3768663	1.61E-04	1.55E-03	0.00E+00	1.82E-04	2.25E-03	0.00E+00	3.05E-05	3.84E-04	0.00E+00	1.33E-05	1.54E-04	0.00E+00
4500	440912.4	3768673	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.21E-03	0.00E+00	3.05E-05	3.77E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
4501	440912.5	3768683	1.61E-04	1.49E-03	0.00E+00	1.82E-04	2.17E-03	0.00E+00	3.05E-05	3.69E-04	0.00E+00	1.33E-05	1.48E-04	0.00E+00
4502	440912.5	3768693	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.12E-03	0.00E+00	3.05E-05	3.61E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
4503	440912.5	3768703	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.07E-03	0.00E+00	3.05E-05	3.53E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
4504	440912.6	3768713	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.45E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
4505	440912.6	3768723	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.97E-03	0.00E+00	3.05E-05	3.36E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
4506	440912.6	3768733	1.61E-04	1.32E-03	0.00E+00	1.82E-04	1.92E-03	0.00E+00	3.05E-05	3.28E-04	0.00E+00	1.33E-05	1.31E-04	0.00E+00
4507	440912.7	3768743	1.61E-04	1.29E-03	0.00E+00	1.82E-04	1.87E-03	0.00E+00	3.05E-05	3.19E-04	0.00E+00	1.33E-05	1.28E-04	0.00E+00
4508	440912.7	3768753	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.11E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
4509	440912.8	3768782	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.68E-03	0.00E+00	3.05E-05	2.86E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00

4510	440912.8	3768792	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.78E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
4511	440879.7	3768595	1.61E-04	1.51E-03	0.00E+00	1.82E-04	2.19E-03	0.00E+00	3.05E-05	3.74E-04	0.00E+00	1.33E-05	1.50E-04	0.00E+00
4512	440883.4	3768586	1.61E-04	1.54E-03	0.00E+00	1.82E-04	2.25E-03	0.00E+00	3.05E-05	3.83E-04	0.00E+00	1.33E-05	1.53E-04	0.00E+00
4513	440887.2	3768577	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.30E-03	0.00E+00	3.05E-05	3.92E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
4514	440890.9	3768568	1.61E-04	1.62E-03	0.00E+00	1.82E-04	2.35E-03	0.00E+00	3.05E-05	4.01E-04	0.00E+00	1.33E-05	1.61E-04	0.00E+00
4515	440894.6	3768559	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.40E-03	0.00E+00	3.05E-05	4.10E-04	0.00E+00	1.33E-05	1.64E-04	0.00E+00
4516	440898.3	3768550	1.61E-04	1.69E-03	0.00E+00	1.82E-04	2.45E-03	0.00E+00	3.05E-05	4.18E-04	0.00E+00	1.33E-05	1.68E-04	0.00E+00
4517	440872.3	3768633	1.61E-04	1.40E-03	0.00E+00	1.82E-04	2.03E-03	0.00E+00	3.05E-05	3.46E-04	0.00E+00	1.33E-05	1.39E-04	0.00E+00
4518	440872.4	3768643	1.61E-04	1.38E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.41E-04	0.00E+00	1.33E-05	1.37E-04	0.00E+00
4519	440872.4	3768653	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.97E-03	0.00E+00	3.05E-05	3.36E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
4520	440872.4	3768663	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.30E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
4521	440872.4	3768673	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.24E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
4522	440872.5	3768683	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.86E-03	0.00E+00	3.05E-05	3.17E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
4523	440872.5	3768693	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.11E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
4524	440872.5	3768703	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.79E-03	0.00E+00	3.05E-05	3.04E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
4525	440872.6	3768713	1.61E-04	1.20E-03	0.00E+00	1.82E-04	1.75E-03	0.00E+00	3.05E-05	2.98E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
4526	440872.6	3768723	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.71E-03	0.00E+00	3.05E-05	2.91E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
4527	440872.6	3768733	1.61E-04	1.15E-03	0.00E+00	1.82E-04	1.67E-03	0.00E+00	3.05E-05	2.84E-04	0.00E+00	1.33E-05	1.14E-04	0.00E+00
4528	440872.7	3768743	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.78E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
4529	440872.7	3768753	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.59E-03	0.00E+00	3.05E-05	2.71E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
4530	440872.8	3768783	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.51E-04	0.00E+00	1.33E-05	1.00E-04	0.00E+00
4531	440872.8	3768793	1.61E-04	9.85E-04	0.00E+00	1.82E-04	1.43E-03	0.00E+00	3.05E-05	2.44E-04	0.00E+00	1.33E-05	9.78E-05	0.00E+00
4532	440839.7	3768595	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.89E-03	0.00E+00	3.05E-05	3.23E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
4533	440843.5	3768586	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.30E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
4534	440847.2	3768577	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.98E-03	0.00E+00	3.05E-05	3.38E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
4535	440851	3768568	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.45E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
4536	440854.7	3768559	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.07E-03	0.00E+00	3.05E-05	3.52E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
4537	440858.5	3768550	1.61E-04	1.45E-03	0.00E+00	1.82E-04	2.11E-03	0.00E+00	3.05E-05	3.59E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
4538	440832.3	3768633	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.76E-03	0.00E+00	3.05E-05	3.00E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
4539	440832.4	3768643	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.74E-03	0.00E+00	3.05E-05	2.96E-04	0.00E+00	1.33E-05	1.19E-04	0.00E+00
4540	440832.4	3768653	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.71E-03	0.00E+00	3.05E-05	2.91E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
4541	440832.4	3768663	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.68E-03	0.00E+00	3.05E-05	2.87E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
4542	440832.4	3768673	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.82E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
4543	440832.5	3768683	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.62E-03	0.00E+00	3.05E-05	2.77E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
4544	440832.5	3768693	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.59E-03	0.00E+00	3.05E-05	2.71E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
4545	440832.5	3768703	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.56E-03	0.00E+00	3.05E-05	2.66E-04	0.00E+00	1.33E-05	1.07E-04	0.00E+00
4546	440832.6	3768713	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.53E-03	0.00E+00	3.05E-05	2.61E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
4547	440832.6	3768723	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.56E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
4548	440832.6	3768733	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.50E-04	0.00E+00	1.33E-05	1.00E-04	0.00E+00
4549	440832.7	3768743	1.61E-04	9.86E-04	0.00E+00	1.82E-04	1.43E-03	0.00E+00	3.05E-05	2.44E-04	0.00E+00	1.33E-05	9.79E-05	0.00E+00
4550	440832.7	3768753	1.61E-04	9.64E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.39E-04	0.00E+00	1.33E-05	9.57E-05	0.00E+00
4551	440832.8	3768783	1.61E-04	8.95E-04	0.00E+00	1.82E-04	1.30E-03	0.00E+00	3.05E-05	2.22E-04	0.00E+00	1.33E-05	8.89E-05	0.00E+00
4552	440832.8	3768793	1.61E-04	8.73E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.16E-04	0.00E+00	1.33E-05	8.67E-05	0.00E+00
4553	440799.8	3768595	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.66E-03	0.00E+00	3.05E-05	2.82E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
4554	440792.3	3768633	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.54E-03	0.00E+00	3.05E-05	2.62E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
4555	440792.4	3768643	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.52E-03	0.00E+00	3.05E-05	2.59E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
4556	440792.4	3768653	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.55E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
4557	440792.4	3768663	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.52E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
4558	440792.4	3768673	1.61E-04	9.99E-04	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.48E-04	0.00E+00	1.33E-05	9.92E-05	0.00E+00
4559	440792.5	3768683	1.61E-04	9.82E-04	0.00E+00	1.82E-04	1.43E-03	0.00E+00	3.05E-05	2.43E-04	0.00E+00	1.33E-05	9.75E-05	0.00E+00
4560	440792.5	3768693	1.61E-04	9.65E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.39E-04	0.00E+00	1.33E-05	9.58E-05	0.00E+00
4561	440792.5	3768703	1.61E-04	9.47E-04	0.00E+00	1.82E-04	1.38E-03	0.00E+00	3.05E-05	2.35E-04	0.00E+00	1.33E-05	9.40E-05	0.00E+00
4562	440792.6	3768713	1.61E-04	9.29E-04	0.00E+00	1.82E-04	1.35E-03	0.00E+00	3.05E-05	2.30E-04	0.00E+00	1.33E-05	9.23E-05	0.00E+00
4563	440792.6	3768723	1.61E-04	9.11E-04	0.00E+00	1.82E-04	1.32E-03	0.00E+00	3.05E-05	2.26E-04	0.00E+00	1.33E-05	9.05E-05	0.00E+00
4564	440792.6	3768733	1.61E-04	8.93E-04	0.00E+00	1.82E-04	1.30E-03	0.00E+00	3.05E-05	2.21E-04	0.00E+00	1.33E-05	8.87E-05	0.00E+00
4565	440792.7	3768743	1.61E-04	8.75E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.17E-04	0.00E+00	1.33E-05	8.68E-05	0.00E+00
4566	440792.7	3768753	1.61E-04	8.56E-04	0.00E+00	1.82E-04	1.24E-03	0.00E+00	3.05E-05	2.12E-04	0.00E+00	1.33E-05	8.50E-05	0.00E+00
4567	440792.8	3768783	1.61E-04	8.00E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.98E-04	0.00E+00	1.33E-05	7.94E-05	0.00E+00
4568	440792.8	3768793	1.61E-04	7.82E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.76E-05	0.00E+00
4569	440759.8	3768595	1.61E-04	1.00E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.49E-04	0.00E+00	1.33E-05	9.96E-05	0.00E+00
4570	440763.6	3768586	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.49E-03	0.00E+00	3.05E-05	2.54E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
4571	440767.3	3768577	1.61E-04	1.05E-03	0.00E+00	1.82E-04	1.52E-03	0.00E+00	3.05E-05	2.60E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
4572	440771.1	3768568	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.55E-03	0.00E+00	3.05E-05	2.65E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
4573	440774.9	3768559	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.70E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
4574	440778.6	3768549	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.75E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
4575	440752.3	3768633	1.61E-04	9.36E-04	0.00E+00	1.82E-04	1.36E-03	0.00E+00	3.05E-05	2.32E-04	0.00E+00	1.33E-05	9.29E-05	0.00E+00
4576	440752.4	3768643	1.61E-04	9.24E-04	0.00E+00	1.82E-04	1.34E-03	0.00E+00	3.05E-05	2.29E-04	0.00E+00	1.33E-05	9.17E-05	0.00E+00
4577	440752.4	3768653	1.61E-04	9.11E-04	0.00E+00	1.82E-04	1.32E-03	0.00E+00	3.05E-05	2.26E-04	0.00E+00	1.33E-05	9.05E-05	0.00E+00
4578	440752.4	3768663	1.61E-04	8.99E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.23E-04	0.00E+00	1.33E-05	8.92E-05	0.00E+00
4579	440752.4	3768673	1.61E-04	8.86E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.19E-04	0.00E+00	1.33E-05	8.79E-05	0.00E+00
4580	440752.5	3768683	1.61E-04	8.72E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.16E-04	0.00E+00	1.33E-05	8.66E-05	0.00E+00
4581	440752.5	3768693	1.61E-04	8.58E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.13E-04	0.00E+00	1.33E-05	8.52E-05	0.00E+00
4582	440752.5	3768703	1.61E-04	8.43E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.37E-05	0.00E+00
4583	440752.6	3768713	1.61E-04	8.28E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.05E-04	0.00E+00	1.33E-05	8.22E-05	0.00E+00
4584	440752.6	3768723	1.61E-04	8.13E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.01E-04	0.00E+00	1.33E-05	8.07E-05	0.00E+00
4585	440752.6	3768733	1.61E-04	7.98E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.98E-04	0.00E+00	1.33E-05	7.92E-05	0.00E+00
4586	440752.7	3768743	1.61E-04	7.82E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.77E-05	0.00E+00
4587	440752.7	3768753	1.61E-04	7.67E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.61E-05	0.00E+00
4588	440752.8	3768783	1.61E-04	7.20E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.15E-05	0.00E+00
4589	440752.8	3768793	1.61E-04	7.05E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.00E-05	0.00E+00
4590	440719.8	3768595	1.61E-04	8.93E-04	0.00E+00	1.82E-04	1.30E-03	0.00E+00	3.05E-05	2.21E-04	0.00E+00	1.33E-05	8.87E-05	0.00E+00
4591	440723.6	3768586	1.61E-04	9.12E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.26E-04	0.00E+00	1.33E-05	9.05E-05	0.00E+00
4592	440727.4	3768577	1.61E-04	9.30E-04	0.00E+00	1.82E-04	1.35E-03	0.00E+00	3.05E-05	2.30E-04	0.00E+00	1.33E-05	9.23E-05	0.00E+00
4593	440731.2	3768568	1.61E-04	9.47E-04	0.00E+00	1.82E-04	1.38E-03	0.00E+00	3.05E-05	2.35E-04	0.00E+00	1.33E-05	9.40E-05	0.00E+00
4594	440734.9	3768559	1.61E-04	9.64E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.39E-04	0.00E+00	1.33E-05	9.57E-05	0.00E+00
4595	440712.3	3768633	1.61E-04	8.24E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.04E-04	0.00E+00	1.33E-05	8.18E-05	0.00E+00
4596	440712.4	3768643	1.61E-04	8.15E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.02E-04	0.00E+00	1.33E-05	8.09E-05	0.00E+00
4597	440712.4	3768653	1.61E-04	8.05E-04	0.00E+00	1.82E-04	1.17E-03	0.00E+00	3.05E-05	2.00E-04	0.00E+00	1.33E-05	7.99E-05	0.00E+00
4598	440712.4	3768663	1.61E-04	7.95E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.97E-04	0.00E+00	1.33E-05	7.89E-05	0.00E+00
4599	440712.4	3768673	1.61E-04	7.84E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.79E-05	0.00E+00
4600	440712.5	3768683	1.61E-04	7.73E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.68E-05	0.00E+00
4601	440712.5	3768693	1.61E-04	7.66E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.60E-05	0.00E+00
4602	440712.5	3768703	1.61E-04	7.54E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.48E-05	0.00E+00
4603	440712.6	3768713	1.61E-04	7.41E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.36E-05	0.00E+00
4604	440712.6	3768723	1.61E-04	7.29E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.81E-04	0.00E+00	1.33E-05	7.23E-05	0.00E+00
4605	440712.6	3768733	1.61E-04	7.16E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.11E-05	0.00E+00

4606	440712.7	3768743	1.61E-04	7.04E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.98E-05	0.00E+00
4607	440712.7	3768753	1.61E-04	6.91E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.86E-05	0.00E+00
4608	440712.8	3768783	1.61E-04	6.52E-04	0.00E+00	1.82E-04	9.48E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.47E-05	0.00E+00
4609	440712.8	3768793	1.61E-04	6.39E-04	0.00E+00	1.82E-04	9.29E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.35E-05	0.00E+00
4610	440679.8	3768595	1.61E-04	8.01E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.98E-04	0.00E+00	1.33E-05	7.95E-05	0.00E+00
4611	440683.6	3768586	1.61E-04	8.17E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.02E-04	0.00E+00	1.33E-05	8.11E-05	0.00E+00
4612	440687.4	3768577	1.61E-04	8.32E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.06E-04	0.00E+00	1.33E-05	8.26E-05	0.00E+00
4613	440691.2	3768568	1.61E-04	8.47E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.10E-04	0.00E+00	1.33E-05	8.41E-05	0.00E+00
4614	440695	3768559	1.61E-04	8.62E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.14E-04	0.00E+00	1.33E-05	8.55E-05	0.00E+00
4615	440672.3	3768633	1.61E-04	7.44E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.39E-05	0.00E+00
4616	440672.4	3768643	1.61E-04	7.36E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.31E-05	0.00E+00
4617	440672.4	3768653	1.61E-04	7.27E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.22E-05	0.00E+00
4618	440672.4	3768663	1.61E-04	7.18E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.12E-05	0.00E+00
4619	440672.4	3768673	1.61E-04	7.08E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.03E-05	0.00E+00
4620	440672.5	3768683	1.61E-04	7.01E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.96E-05	0.00E+00
4621	440672.5	3768693	1.61E-04	6.91E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.86E-05	0.00E+00
4622	440672.5	3768703	1.61E-04	6.81E-04	0.00E+00	1.82E-04	9.89E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.76E-05	0.00E+00
4623	440672.6	3768713	1.61E-04	6.70E-04	0.00E+00	1.82E-04	9.74E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.65E-05	0.00E+00
4624	440672.6	3768723	1.61E-04	6.59E-04	0.00E+00	1.82E-04	9.58E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.55E-05	0.00E+00
4625	440672.6	3768733	1.61E-04	6.49E-04	0.00E+00	1.82E-04	9.43E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.44E-05	0.00E+00
4626	440672.7	3768743	1.61E-04	6.38E-04	0.00E+00	1.82E-04	9.28E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.34E-05	0.00E+00
4627	440672.7	3768753	1.61E-04	6.28E-04	0.00E+00	1.82E-04	9.12E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.23E-05	0.00E+00
4628	440672.8	3768783	1.61E-04	5.94E-04	0.00E+00	1.82E-04	8.64E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.90E-05	0.00E+00
4629	440672.8	3768793	1.61E-04	5.83E-04	0.00E+00	1.82E-04	8.48E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.79E-05	0.00E+00
4630	440639.9	3768595	1.61E-04	7.23E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.18E-05	0.00E+00
4631	440643.7	3768586	1.61E-04	7.36E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.31E-05	0.00E+00
4632	440647.5	3768577	1.61E-04	7.49E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.44E-05	0.00E+00
4633	440651.3	3768568	1.61E-04	7.62E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.57E-05	0.00E+00
4634	440655	3768559	1.61E-04	7.75E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.70E-05	0.00E+00
4635	441210	3768011	1.61E-04	9.50E-04	0.00E+00	1.82E-04	1.38E-03	0.00E+00	3.05E-05	2.35E-04	0.00E+00	1.33E-05	9.43E-05	0.00E+00
4636	441219.2	3768007	1.61E-04	9.32E-04	0.00E+00	1.82E-04	1.35E-03	0.00E+00	3.05E-05	2.31E-04	0.00E+00	1.33E-05	9.25E-05	0.00E+00
4637	441228.4	3768003	1.61E-04	9.13E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.26E-04	0.00E+00	1.33E-05	9.07E-05	0.00E+00
4638	441237.6	3767999	1.61E-04	8.94E-04	0.00E+00	1.82E-04	1.30E-03	0.00E+00	3.05E-05	2.22E-04	0.00E+00	1.33E-05	8.88E-05	0.00E+00
4639	441246.8	3767996	1.61E-04	8.75E-04	0.00E+00	1.82E-04	1.27E-03	0.00E+00	3.05E-05	2.17E-04	0.00E+00	1.33E-05	8.68E-05	0.00E+00
4640	440632.3	3768634	1.61E-04	6.81E-04	0.00E+00	1.82E-04	9.90E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.76E-05	0.00E+00
4641	440632.4	3768644	1.61E-04	6.73E-04	0.00E+00	1.82E-04	9.78E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.68E-05	0.00E+00
4642	440632.4	3768654	1.61E-04	6.65E-04	0.00E+00	1.82E-04	9.66E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.60E-05	0.00E+00
4643	440632.4	3768664	1.61E-04	6.56E-04	0.00E+00	1.82E-04	9.54E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.51E-05	0.00E+00
4644	440632.4	3768674	1.61E-04	6.48E-04	0.00E+00	1.82E-04	9.41E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.43E-05	0.00E+00
4645	440632.5	3768684	1.61E-04	6.39E-04	0.00E+00	1.82E-04	9.28E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.34E-05	0.00E+00
4646	440632.5	3768693	1.61E-04	6.30E-04	0.00E+00	1.82E-04	9.15E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.25E-05	0.00E+00
4647	440632.5	3768703	1.61E-04	6.21E-04	0.00E+00	1.82E-04	9.02E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.16E-05	0.00E+00
4648	440632.6	3768713	1.61E-04	6.11E-04	0.00E+00	1.82E-04	8.88E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.07E-05	0.00E+00
4649	440632.6	3768723	1.61E-04	6.02E-04	0.00E+00	1.82E-04	8.75E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.97E-05	0.00E+00
4650	440632.6	3768733	1.61E-04	5.92E-04	0.00E+00	1.82E-04	8.61E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.88E-05	0.00E+00
4651	440632.7	3768743	1.61E-04	5.83E-04	0.00E+00	1.82E-04	8.47E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.79E-05	0.00E+00
4652	440632.7	3768753	1.61E-04	5.73E-04	0.00E+00	1.82E-04	8.33E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.69E-05	0.00E+00
4653	440632.8	3768783	1.61E-04	5.44E-04	0.00E+00	1.82E-04	7.90E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.40E-05	0.00E+00
4654	440632.8	3768793	1.61E-04	5.34E-04	0.00E+00	1.82E-04	7.77E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
4655	440615.1	3768559	1.61E-04	7.02E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.97E-05	0.00E+00
4656	441200.9	3767974	1.61E-04	8.58E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.13E-04	0.00E+00	1.33E-05	8.52E-05	0.00E+00
4657	441210.1	3767971	1.61E-04	8.43E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.37E-05	0.00E+00
4658	441219.3	3767967	1.61E-04	8.27E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.05E-04	0.00E+00	1.33E-05	8.21E-05	0.00E+00
4659	441228.6	3767963	1.61E-04	8.10E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.01E-04	0.00E+00	1.33E-05	8.05E-05	0.00E+00
4660	441237.8	3767959	1.61E-04	7.94E-04	0.00E+00	1.82E-04	1.15E-03	0.00E+00	3.05E-05	1.97E-04	0.00E+00	1.33E-05	7.88E-05	0.00E+00
4661	441247	3767956	1.61E-04	7.77E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.93E-04	0.00E+00	1.33E-05	7.71E-05	0.00E+00
4662	440592.3	3768634	1.61E-04	6.19E-04	0.00E+00	1.82E-04	8.99E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.14E-05	0.00E+00
4663	440592.4	3768644	1.61E-04	6.11E-04	0.00E+00	1.82E-04	8.89E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.07E-05	0.00E+00
4664	440559.9	3768595	1.61E-04	5.99E-04	0.00E+00	1.82E-04	8.71E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.95E-05	0.00E+00
4665	440563.7	3768586	1.61E-04	6.09E-04	0.00E+00	1.82E-04	8.86E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.05E-05	0.00E+00
4666	440567.5	3768577	1.61E-04	6.20E-04	0.00E+00	1.82E-04	9.01E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.15E-05	0.00E+00
4667	440571.3	3768568	1.61E-04	6.30E-04	0.00E+00	1.82E-04	9.15E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.25E-05	0.00E+00
4668	440575.1	3768559	1.61E-04	6.40E-04	0.00E+00	1.82E-04	9.30E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.35E-05	0.00E+00
4669	441191.8	3767938	1.61E-04	7.83E-04	0.00E+00	1.82E-04	1.14E-03	0.00E+00	3.05E-05	1.94E-04	0.00E+00	1.33E-05	7.77E-05	0.00E+00
4670	441201.1	3767934	1.61E-04	7.70E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.64E-05	0.00E+00
4671	441210.3	3767931	1.61E-04	7.57E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.88E-04	0.00E+00	1.33E-05	7.51E-05	0.00E+00
4672	441219.5	3767927	1.61E-04	7.42E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.36E-05	0.00E+00
4673	441228.7	3767923	1.61E-04	7.26E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.21E-05	0.00E+00
4674	441238	3767919	1.61E-04	7.11E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.06E-05	0.00E+00
4675	441247.2	3767916	1.61E-04	6.97E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.92E-05	0.00E+00
4676	440552.3	3768634	1.61E-04	5.66E-04	0.00E+00	1.82E-04	8.23E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.62E-05	0.00E+00
4677	440519.8	3768596	1.61E-04	5.49E-04	0.00E+00	1.82E-04	7.98E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.45E-05	0.00E+00
4678	440523.5	3768587	1.61E-04	5.58E-04	0.00E+00	1.82E-04	8.11E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.54E-05	0.00E+00
4679	440527.3	3768578	1.61E-04	5.67E-04	0.00E+00	1.82E-04	8.24E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.63E-05	0.00E+00
4680	440531	3768569	1.61E-04	5.76E-04	0.00E+00	1.82E-04	8.37E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.72E-05	0.00E+00
4681	441193.1	3767898	1.61E-04	7.05E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	6.99E-05	0.00E+00
4682	441202.2	3767894	1.61E-04	6.93E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.88E-05	0.00E+00
4683	441211.3	3767890	1.61E-04	6.82E-04	0.00E+00	1.82E-04	9.92E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.77E-05	0.00E+00
4684	441220.3	3767887	1.61E-04	6.70E-04	0.00E+00	1.82E-04	9.74E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.65E-05	0.00E+00
4685	441229.4	3767883	1.61E-04	6.58E-04	0.00E+00	1.82E-04	9.56E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.53E-05	0.00E+00
4686	441238.5	3767879	1.61E-04	6.46E-04	0.00E+00	1.82E-04	9.40E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.42E-05	0.00E+00
4687	441247.6	3767876	1.61E-04	6.36E-04	0.00E+00	1.82E-04	9.24E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.31E-05	0.00E+00
4688	440512.3	3768634	1.61E-04	5.21E-04	0.00E+00	1.82E-04	7.57E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.17E-05	0.00E+00
4689	440476	3768605	1.61E-04	4.98E-04	0.00E+00	1.82E-04	7.24E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.94E-05	0.00E+00
4690	440479.8	3768596	1.61E-04	5.06E-04	0.00E+00	1.82E-04	7.35E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.02E-05	0.00E+00
4691	440483.5	3768587	1.61E-04	5.14E-04	0.00E+00	1.82E-04	7.47E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.10E-05	0.00E+00
4692	440487.3	3768578	1.61E-04	5.22E-04	0.00E+00	1.82E-04	7.58E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.18E-05	0.00E+00
4693	440491.1	3768569	1.61E-04	5.30E-04	0.00E+00	1.82E-04	7.70E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.26E-05	0.00E+00
4694	441193.2	3767858	1.61E-04	6.41E-04	0.00E+00	1.82E-04	9.32E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.36E-05	0.00E+00
4695	441202.3	3767854	1.61E-04	6.33E-04	0.00E+00	1.82E-04	9.21E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.29E-05	0.00E+00
4696	441211.4	3767850	1.61E-04	6.26E-04	0.00E+00	1.82E-04	9.09E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.21E-05	0.00E+00
4697	441220.5	3767847	1.61E-04	6.15E-04	0.00E+00	1.82E-04	8.94E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.11E-05	0.00E+00
4698	441229.6	3767843	1.61E-04	6.05E-04	0.00E+00	1.82E-04	8.79E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.01E-05	0.00E+00
4699	441238.7	3767839	1.61E-04	5.95E-04	0.00E+00	1.82E-04	8.64E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.90E-05	0.00E+00
4700	441247.8	3767836	1.61E-04	5.85E-04	0.00E+00	1.82E-04	8.50E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.80E-05	0.00E+00
4701	440472.3	3768614	1.61E-04	4.90E-04	0.00E+00	1.82E-04	7.12E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.86E-05	0.00E+00

4702	440472.3	3768624	1.61E-04	4.85E-04	0.00E+00	1.82E-04	7.05E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.82E-05	0.00E+00
4703	440472.3	3768634	1.61E-04	4.81E-04	0.00E+00	1.82E-04	6.99E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.77E-05	0.00E+00
4704	440436	3768605	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.69E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.57E-05	0.00E+00
4705	440439.8	3768596	1.61E-04	4.67E-04	0.00E+00	1.82E-04	6.79E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.64E-05	0.00E+00
4706	440443.6	3768587	1.61E-04	4.74E-04	0.00E+00	1.82E-04	6.89E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.71E-05	0.00E+00
4707	440447.3	3768578	1.61E-04	4.81E-04	0.00E+00	1.82E-04	6.99E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.77E-05	0.00E+00
4708	440451.1	3768569	1.61E-04	4.88E-04	0.00E+00	1.82E-04	7.09E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.84E-05	0.00E+00
4709	440473.7	3768514	1.61E-04	5.29E-04	0.00E+00	1.82E-04	7.69E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.25E-05	0.00E+00
4710	440477.5	3768505	1.61E-04	5.36E-04	0.00E+00	1.82E-04	7.78E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.32E-05	0.00E+00
4711	440481.2	3768496	1.61E-04	5.42E-04	0.00E+00	1.82E-04	7.88E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.38E-05	0.00E+00
4712	440485	3768487	1.61E-04	5.48E-04	0.00E+00	1.82E-04	7.97E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.44E-05	0.00E+00
4713	440488.8	3768478	1.61E-04	5.54E-04	0.00E+00	1.82E-04	8.06E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.50E-05	0.00E+00
4714	440492.5	3768468	1.61E-04	5.61E-04	0.00E+00	1.82E-04	8.15E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.57E-05	0.00E+00
4715	440515.1	3768414	1.61E-04	6.01E-04	0.00E+00	1.82E-04	8.73E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.96E-05	0.00E+00
4716	440518.9	3768405	1.61E-04	6.07E-04	0.00E+00	1.82E-04	8.82E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.02E-05	0.00E+00
4717	440522.7	3768396	1.61E-04	6.13E-04	0.00E+00	1.82E-04	8.91E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.08E-05	0.00E+00
4718	440526.4	3768386	1.61E-04	6.19E-04	0.00E+00	1.82E-04	8.99E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.14E-05	0.00E+00
4719	440530.2	3768377	1.61E-04	6.25E-04	0.00E+00	1.82E-04	9.08E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.20E-05	0.00E+00
4720	440534	3768368	1.61E-04	6.31E-04	0.00E+00	1.82E-04	9.17E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.26E-05	0.00E+00
4721	440537.7	3768359	1.61E-04	6.37E-04	0.00E+00	1.82E-04	9.26E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.32E-05	0.00E+00
4722	440541.5	3768350	1.61E-04	6.43E-04	0.00E+00	1.82E-04	9.34E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.38E-05	0.00E+00
4723	440545.2	3768341	1.61E-04	6.49E-04	0.00E+00	1.82E-04	9.43E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.44E-05	0.00E+00
4724	440549	3768332	1.61E-04	6.54E-04	0.00E+00	1.82E-04	9.51E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.50E-05	0.00E+00
4725	440552.8	3768323	1.61E-04	6.60E-04	0.00E+00	1.82E-04	9.60E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.56E-05	0.00E+00
4726	440556.5	3768314	1.61E-04	6.66E-04	0.00E+00	1.82E-04	9.68E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.61E-05	0.00E+00
4727	440560.3	3768304	1.61E-04	6.72E-04	0.00E+00	1.82E-04	9.77E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.67E-05	0.00E+00
4728	440564.1	3768295	1.61E-04	6.78E-04	0.00E+00	1.82E-04	9.85E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.73E-05	0.00E+00
4729	440567.8	3768286	1.61E-04	6.83E-04	0.00E+00	1.82E-04	9.93E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.78E-05	0.00E+00
4730	440571.6	3768277	1.61E-04	6.88E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.83E-05	0.00E+00
4731	440575.4	3768268	1.61E-04	6.92E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.87E-05	0.00E+00
4732	441156.8	3767833	1.61E-04	6.26E-04	0.00E+00	1.82E-04	9.10E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.21E-05	0.00E+00
4733	441165.9	3767829	1.61E-04	6.17E-04	0.00E+00	1.82E-04	8.96E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.12E-05	0.00E+00
4734	441193.3	3767818	1.61E-04	5.92E-04	0.00E+00	1.82E-04	8.60E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.87E-05	0.00E+00
4735	441202.4	3767814	1.61E-04	5.84E-04	0.00E+00	1.82E-04	8.48E-04	0.00E+00	3.05E-05	1.45E-04	0.00E+00	1.33E-05	5.79E-05	0.00E+00
4736	441211.5	3767810	1.61E-04	5.75E-04	0.00E+00	1.82E-04	8.36E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.71E-05	0.00E+00
4737	441220.7	3767807	1.61E-04	5.66E-04	0.00E+00	1.82E-04	8.22E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.61E-05	0.00E+00
4738	441229.8	3767803	1.61E-04	5.56E-04	0.00E+00	1.82E-04	8.08E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.52E-05	0.00E+00
4739	441238.9	3767799	1.61E-04	5.47E-04	0.00E+00	1.82E-04	7.95E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.43E-05	0.00E+00
4740	441248	3767796	1.61E-04	5.37E-04	0.00E+00	1.82E-04	7.81E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.33E-05	0.00E+00
4741	440432.3	3768614	1.61E-04	4.53E-04	0.00E+00	1.82E-04	6.58E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.50E-05	0.00E+00
4742	440432.3	3768624	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.52E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.45E-05	0.00E+00
4743	440432.3	3768634	1.61E-04	4.44E-04	0.00E+00	1.82E-04	6.46E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.41E-05	0.00E+00
4744	440396	3768605	1.61E-04	4.27E-04	0.00E+00	1.82E-04	6.21E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.24E-05	0.00E+00
4745	440399.8	3768596	1.61E-04	4.33E-04	0.00E+00	1.82E-04	6.30E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.30E-05	0.00E+00
4746	440403.6	3768587	1.61E-04	4.40E-04	0.00E+00	1.82E-04	6.39E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.36E-05	0.00E+00
4747	440407.4	3768578	1.61E-04	4.46E-04	0.00E+00	1.82E-04	6.48E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.43E-05	0.00E+00
4748	440411.1	3768569	1.61E-04	4.52E-04	0.00E+00	1.82E-04	6.57E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.49E-05	0.00E+00
4749	440414.9	3768560	1.61E-04	4.58E-04	0.00E+00	1.82E-04	6.66E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.55E-05	0.00E+00
4750	440418.7	3768550	1.61E-04	4.65E-04	0.00E+00	1.82E-04	6.75E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.61E-05	0.00E+00
4751	440422.5	3768541	1.61E-04	4.71E-04	0.00E+00	1.82E-04	6.85E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.68E-05	0.00E+00
4752	440433.8	3768514	1.61E-04	4.90E-04	0.00E+00	1.82E-04	7.12E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.86E-05	0.00E+00
4753	440437.5	3768505	1.61E-04	4.96E-04	0.00E+00	1.82E-04	7.20E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.92E-05	0.00E+00
4754	440441.3	3768496	1.61E-04	5.01E-04	0.00E+00	1.82E-04	7.29E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.98E-05	0.00E+00
4755	440445.1	3768487	1.61E-04	5.07E-04	0.00E+00	1.82E-04	7.37E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.04E-05	0.00E+00
4756	440448.9	3768477	1.61E-04	5.13E-04	0.00E+00	1.82E-04	7.46E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.09E-05	0.00E+00
4757	440452.6	3768468	1.61E-04	5.19E-04	0.00E+00	1.82E-04	7.55E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.15E-05	0.00E+00
4758	440475.3	3768414	1.61E-04	5.55E-04	0.00E+00	1.82E-04	8.06E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.51E-05	0.00E+00
4759	440479	3768404	1.61E-04	5.60E-04	0.00E+00	1.82E-04	8.15E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.56E-05	0.00E+00
4760	440482.8	3768395	1.61E-04	5.66E-04	0.00E+00	1.82E-04	8.23E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.62E-05	0.00E+00
4761	440486.6	3768386	1.61E-04	5.71E-04	0.00E+00	1.82E-04	8.30E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.67E-05	0.00E+00
4762	440490.4	3768377	1.61E-04	5.77E-04	0.00E+00	1.82E-04	8.38E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.72E-05	0.00E+00
4763	440494.1	3768368	1.61E-04	5.82E-04	0.00E+00	1.82E-04	8.46E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.78E-05	0.00E+00
4764	440497.9	3768359	1.61E-04	5.87E-04	0.00E+00	1.82E-04	8.53E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.83E-05	0.00E+00
4765	440501.7	3768350	1.61E-04	5.93E-04	0.00E+00	1.82E-04	8.62E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.88E-05	0.00E+00
4766	440505.5	3768341	1.61E-04	5.98E-04	0.00E+00	1.82E-04	8.70E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.94E-05	0.00E+00
4767	440509.2	3768331	1.61E-04	6.04E-04	0.00E+00	1.82E-04	8.78E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.00E-05	0.00E+00
4768	440513	3768322	1.61E-04	6.10E-04	0.00E+00	1.82E-04	8.86E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.05E-05	0.00E+00
4769	440516.8	3768313	1.61E-04	6.16E-04	0.00E+00	1.82E-04	8.95E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.11E-05	0.00E+00
4770	440520.5	3768304	1.61E-04	6.21E-04	0.00E+00	1.82E-04	9.03E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.17E-05	0.00E+00
4771	440524.3	3768295	1.61E-04	6.27E-04	0.00E+00	1.82E-04	9.11E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.22E-05	0.00E+00
4772	440528.1	3768286	1.61E-04	6.31E-04	0.00E+00	1.82E-04	9.18E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.27E-05	0.00E+00
4773	440531.9	3768277	1.61E-04	6.36E-04	0.00E+00	1.82E-04	9.25E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.32E-05	0.00E+00
4774	440535.6	3768267	1.61E-04	6.41E-04	0.00E+00	1.82E-04	9.31E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.36E-05	0.00E+00
4775	440539.4	3768258	1.61E-04	6.45E-04	0.00E+00	1.82E-04	9.38E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.40E-05	0.00E+00
4776	440543.2	3768249	1.61E-04	6.50E-04	0.00E+00	1.82E-04	9.44E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.45E-05	0.00E+00
4777	440547	3768240	1.61E-04	6.54E-04	0.00E+00	1.82E-04	9.51E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.49E-05	0.00E+00
4778	440550.7	3768231	1.61E-04	6.57E-04	0.00E+00	1.82E-04	9.55E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.52E-05	0.00E+00
4779	440554.5	3768222	1.61E-04	6.60E-04	0.00E+00	1.82E-04	9.60E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.56E-05	0.00E+00
4780	440558.3	3768213	1.61E-04	6.63E-04	0.00E+00	1.82E-04	9.64E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.59E-05	0.00E+00
4781	440562	3768204	1.61E-04	6.67E-04	0.00E+00	1.82E-04	9.70E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.62E-05	0.00E+00
4782	440565.8	3768194	1.61E-04	6.71E-04	0.00E+00	1.82E-04	9.76E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.66E-05	0.00E+00
4783	440569.6	3768185	1.61E-04	6.75E-04	0.00E+00	1.82E-04	9.81E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.70E-05	0.00E+00
4784	440573.4	3768176	1.61E-04	6.78E-04	0.00E+00	1.82E-04	9.86E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.73E-05	0.00E+00
4785	440699.9	3767980	1.61E-04	7.35E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.29E-05	0.00E+00
4786	440709	3767977	1.61E-04	7.39E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.34E-05	0.00E+00
4787	440718.2	3767973	1.61E-04	7.44E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.39E-05	0.00E+00
4788	440727.3	3767969	1.61E-04	7.48E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.85E-04	0.00E+00	1.33E-05	7.43E-05	0.00E+00
4789	440736.4	3767965	1.61E-04	7.52E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.47E-05	0.00E+00
4790	440763.9	3767954	1.61E-04	7.65E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.60E-05	0.00E+00
4791	440773	3767950	1.61E-04	7.69E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.63E-05	0.00E+00
4792	440837	3767924	1.61E-04	7.77E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.93E-04	0.00E+00	1.33E-05	7.71E-05	0.00E+00
4793	440846.1	3767920	1.61E-04	7.77E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.93E-04	0.00E+00	1.33E-05	7.72E-05	0.00E+00
4794	440855.3	3767917	1.61E-04	7.77E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.93E-04	0.00E+00	1.33E-05	7.71E-05	0.00E+00
4795	440864.4	3767913	1.61E-04	7.76E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.71E-05	0.00E+00
4796	440873.5	3767909	1.61E-04	7.75E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.69E-05	0.00E+00
4797	440882.7	3767905	1.61E-04	7.73E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.67E-05	0.00E+00

4798	440891.8	3767902	1.61E-04	7.71E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.65E-05	0.00E+00
4799	440901	3767898	1.61E-04	7.69E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.63E-05	0.00E+00
4800	440910.1	3767894	1.61E-04	7.66E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.61E-05	0.00E+00
4801	440928.4	3767887	1.61E-04	7.60E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.88E-04	0.00E+00	1.33E-05	7.54E-05	0.00E+00
4802	440937.5	3767883	1.61E-04	7.56E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.87E-04	0.00E+00	1.33E-05	7.50E-05	0.00E+00
4803	440946.7	3767879	1.61E-04	7.50E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.45E-05	0.00E+00
4804	440955.8	3767875	1.61E-04	7.45E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.85E-04	0.00E+00	1.33E-05	7.39E-05	0.00E+00
4805	440964.9	3767872	1.61E-04	7.39E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.34E-05	0.00E+00
4806	440974.1	3767868	1.61E-04	7.34E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.29E-05	0.00E+00
4807	441001.5	3767857	1.61E-04	7.14E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.09E-05	0.00E+00
4808	441010.6	3767853	1.61E-04	7.07E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.02E-05	0.00E+00
4809	441019.8	3767849	1.61E-04	6.99E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.94E-05	0.00E+00
4810	441028.9	3767845	1.61E-04	6.91E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.86E-05	0.00E+00
4811	441038	3767842	1.61E-04	6.84E-04	0.00E+00	1.82E-04	9.94E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.79E-05	0.00E+00
4812	441047.2	3767838	1.61E-04	6.76E-04	0.00E+00	1.82E-04	9.83E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.71E-05	0.00E+00
4813	441056.3	3767834	1.61E-04	6.68E-04	0.00E+00	1.82E-04	9.72E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.64E-05	0.00E+00
4814	441065.5	3767830	1.61E-04	6.61E-04	0.00E+00	1.82E-04	9.61E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.56E-05	0.00E+00
4815	441074.6	3767827	1.61E-04	6.54E-04	0.00E+00	1.82E-04	9.51E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.49E-05	0.00E+00
4816	441083.7	3767823	1.61E-04	6.47E-04	0.00E+00	1.82E-04	9.40E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.42E-05	0.00E+00
4817	441092.9	3767819	1.61E-04	6.39E-04	0.00E+00	1.82E-04	9.29E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.35E-05	0.00E+00
4818	441102	3767815	1.61E-04	6.31E-04	0.00E+00	1.82E-04	9.17E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.26E-05	0.00E+00
4819	441111.2	3767812	1.61E-04	6.22E-04	0.00E+00	1.82E-04	9.05E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.18E-05	0.00E+00
4820	441120.3	3767808	1.61E-04	6.14E-04	0.00E+00	1.82E-04	8.92E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.10E-05	0.00E+00
4821	441129.4	3767804	1.61E-04	6.05E-04	0.00E+00	1.82E-04	8.80E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.01E-05	0.00E+00
4822	441138.6	3767800	1.61E-04	5.97E-04	0.00E+00	1.82E-04	8.68E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.93E-05	0.00E+00
4823	441147.7	3767797	1.61E-04	5.90E-04	0.00E+00	1.82E-04	8.57E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.85E-05	0.00E+00
4824	441156.9	3767793	1.61E-04	5.82E-04	0.00E+00	1.82E-04	8.46E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.78E-05	0.00E+00
4825	441166	3767789	1.61E-04	5.75E-04	0.00E+00	1.82E-04	8.36E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.71E-05	0.00E+00
4826	441193.4	3767778	1.61E-04	5.50E-04	0.00E+00	1.82E-04	7.99E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.46E-05	0.00E+00
4827	441202.6	3767774	1.61E-04	5.40E-04	0.00E+00	1.82E-04	7.86E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.37E-05	0.00E+00
4828	441211.7	3767771	1.61E-04	5.31E-04	0.00E+00	1.82E-04	7.72E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.27E-05	0.00E+00
4829	441220.8	3767767	1.61E-04	5.21E-04	0.00E+00	1.82E-04	7.58E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.18E-05	0.00E+00
4830	441230	3767763	1.61E-04	5.12E-04	0.00E+00	1.82E-04	7.44E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.08E-05	0.00E+00
4831	441239.1	3767759	1.61E-04	5.02E-04	0.00E+00	1.82E-04	7.30E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.98E-05	0.00E+00
4832	441248.3	3767756	1.61E-04	4.92E-04	0.00E+00	1.82E-04	7.16E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.89E-05	0.00E+00
4833	440392.3	3768614	1.61E-04	4.21E-04	0.00E+00	1.82E-04	6.12E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.18E-05	0.00E+00
4834	440392.3	3768624	1.61E-04	4.17E-04	0.00E+00	1.82E-04	6.06E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.14E-05	0.00E+00
4835	440392.3	3768634	1.61E-04	4.13E-04	0.00E+00	1.82E-04	6.00E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.10E-05	0.00E+00
4836	440356	3768605	1.61E-04	3.98E-04	0.00E+00	1.82E-04	5.78E-04	0.00E+00	3.05E-05	9.86E-05	0.00E+00	1.33E-05	3.95E-05	0.00E+00
4837	440359.8	3768596	1.61E-04	4.04E-04	0.00E+00	1.82E-04	5.87E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.01E-05	0.00E+00
4838	440363.6	3768587	1.61E-04	4.09E-04	0.00E+00	1.82E-04	5.95E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.06E-05	0.00E+00
4839	440367.4	3768578	1.61E-04	4.15E-04	0.00E+00	1.82E-04	6.03E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.12E-05	0.00E+00
4840	440390.1	3768523	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.53E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
4841	440393.8	3768514	1.61E-04	4.54E-04	0.00E+00	1.82E-04	6.60E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.51E-05	0.00E+00
4842	440397.6	3768505	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.68E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.56E-05	0.00E+00
4843	440401.4	3768496	1.61E-04	4.65E-04	0.00E+00	1.82E-04	6.76E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.62E-05	0.00E+00
4844	440405.2	3768486	1.61E-04	4.71E-04	0.00E+00	1.82E-04	6.84E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.67E-05	0.00E+00
4845	440409	3768477	1.61E-04	4.76E-04	0.00E+00	1.82E-04	6.92E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.73E-05	0.00E+00
4846	440412.7	3768468	1.61E-04	4.81E-04	0.00E+00	1.82E-04	7.00E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.78E-05	0.00E+00
4847	440435.4	3768413	1.61E-04	5.12E-04	0.00E+00	1.82E-04	7.45E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.09E-05	0.00E+00
4848	440439.2	3768404	1.61E-04	5.18E-04	0.00E+00	1.82E-04	7.53E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.14E-05	0.00E+00
4849	440443	3768395	1.61E-04	5.23E-04	0.00E+00	1.82E-04	7.61E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.20E-05	0.00E+00
4850	440446.7	3768386	1.61E-04	5.29E-04	0.00E+00	1.82E-04	7.68E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.25E-05	0.00E+00
4851	440450.5	3768377	1.61E-04	5.34E-04	0.00E+00	1.82E-04	7.76E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
4852	440454.3	3768368	1.61E-04	5.39E-04	0.00E+00	1.82E-04	7.83E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.35E-05	0.00E+00
4853	440458.1	3768358	1.61E-04	5.44E-04	0.00E+00	1.82E-04	7.90E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.40E-05	0.00E+00
4854	440461.9	3768349	1.61E-04	5.48E-04	0.00E+00	1.82E-04	7.97E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.44E-05	0.00E+00
4855	440465.6	3768340	1.61E-04	5.53E-04	0.00E+00	1.82E-04	8.04E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.49E-05	0.00E+00
4856	440469.4	3768331	1.61E-04	5.58E-04	0.00E+00	1.82E-04	8.11E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.54E-05	0.00E+00
4857	440473.2	3768322	1.61E-04	5.63E-04	0.00E+00	1.82E-04	8.18E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.59E-05	0.00E+00
4858	440477	3768313	1.61E-04	5.68E-04	0.00E+00	1.82E-04	8.25E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.64E-05	0.00E+00
4859	440480.8	3768304	1.61E-04	5.73E-04	0.00E+00	1.82E-04	8.32E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.68E-05	0.00E+00
4860	440484.5	3768294	1.61E-04	5.78E-04	0.00E+00	1.82E-04	8.40E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.74E-05	0.00E+00
4861	440488.3	3768285	1.61E-04	5.83E-04	0.00E+00	1.82E-04	8.47E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.79E-05	0.00E+00
4862	440492.1	3768276	1.61E-04	5.88E-04	0.00E+00	1.82E-04	8.55E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.84E-05	0.00E+00
4863	440495.9	3768267	1.61E-04	5.93E-04	0.00E+00	1.82E-04	8.62E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.89E-05	0.00E+00
4864	440499.7	3768258	1.61E-04	5.97E-04	0.00E+00	1.82E-04	8.68E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.93E-05	0.00E+00
4865	440503.4	3768249	1.61E-04	6.01E-04	0.00E+00	1.82E-04	8.74E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.97E-05	0.00E+00
4866	440507.2	3768240	1.61E-04	6.05E-04	0.00E+00	1.82E-04	8.80E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.01E-05	0.00E+00
4867	440511	3768230	1.61E-04	6.09E-04	0.00E+00	1.82E-04	8.86E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.05E-05	0.00E+00
4868	440514.8	3768221	1.61E-04	6.13E-04	0.00E+00	1.82E-04	8.91E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.09E-05	0.00E+00
4869	440518.6	3768212	1.61E-04	6.17E-04	0.00E+00	1.82E-04	8.97E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.12E-05	0.00E+00
4870	440522.3	3768203	1.61E-04	6.20E-04	0.00E+00	1.82E-04	9.02E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.16E-05	0.00E+00
4871	440526.1	3768194	1.61E-04	6.23E-04	0.00E+00	1.82E-04	9.06E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.19E-05	0.00E+00
4872	440529.9	3768185	1.61E-04	6.27E-04	0.00E+00	1.82E-04	9.11E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.22E-05	0.00E+00
4873	440533.7	3768176	1.61E-04	6.29E-04	0.00E+00	1.82E-04	9.15E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.25E-05	0.00E+00
4874	440537.4	3768166	1.61E-04	6.32E-04	0.00E+00	1.82E-04	9.19E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.28E-05	0.00E+00
4875	440541.2	3768157	1.61E-04	6.35E-04	0.00E+00	1.82E-04	9.22E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.30E-05	0.00E+00
4876	440545	3768148	1.61E-04	6.37E-04	0.00E+00	1.82E-04	9.26E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.32E-05	0.00E+00
4877	440548.8	3768139	1.61E-04	6.40E-04	0.00E+00	1.82E-04	9.30E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.35E-05	0.00E+00
4878	440552.6	3768130	1.61E-04	6.42E-04	0.00E+00	1.82E-04	9.34E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.38E-05	0.00E+00
4879	440556.3	3768121	1.61E-04	6.45E-04	0.00E+00	1.82E-04	9.38E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.40E-05	0.00E+00
4880	440560.1	3768112	1.61E-04	6.48E-04	0.00E+00	1.82E-04	9.41E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.43E-05	0.00E+00
4881	440563.9	3768102	1.61E-04	6.50E-04	0.00E+00	1.82E-04	9.45E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.45E-05	0.00E+00
4882	440567.7	3768093	1.61E-04	6.53E-04	0.00E+00	1.82E-04	9.48E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.48E-05	0.00E+00
4883	440571.5	3768084	1.61E-04	6.54E-04	0.00E+00	1.82E-04	9.51E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.50E-05	0.00E+00
4884	440575.2	3768075	1.61E-04	6.55E-04	0.00E+00	1.82E-04	9.53E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.51E-05	0.00E+00
4885	440626	3767971	1.61E-04	6.52E-04	0.00E+00	1.82E-04	9.48E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.48E-05	0.00E+00
4886	440635.1	3767967	1.61E-04	6.57E-04	0.00E+00	1.82E-04	9.56E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.53E-05	0.00E+00
4887	440644.3	3767963	1.61E-04	6.63E-04	0.00E+00	1.82E-04	9.64E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.58E-05	0.00E+00
4888	440653.4	3767959	1.61E-04	6.70E-04	0.00E+00	1.82E-04	9.73E-04	0.00E+00	3.05E-05	1.66E-04	0.00E+00	1.33E-05	6.65E-05	0.00E+00
4889	440662.6	3767956	1.61E-04	6.76E-04	0.00E+00	1.82E-04	9.82E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.71E-05	0.00E+00
4890	440671.7	3767952	1.61E-04	6.82E-04	0.00E+00	1.82E-04	9.91E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.77E-05	0.00E+00
4891	440680.9	3767948	1.61E-04	6.87E-04	0.00E+00	1.82E-04	9.99E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.82E-05	0.00E+00
4892	440690	3767944	1.61E-04	6.92E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.87E-05	0.00E+00
4893	440699.2	3767941	1.61E-04	6.96E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.91E-05	0.00E+00

4894	440708.4	3767937	1.61E-04	6.99E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.94E-05	0.00E+00
4895	440717.5	3767933	1.61E-04	7.02E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.97E-05	0.00E+00
4896	440726.7	3767929	1.61E-04	7.05E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.00E-05	0.00E+00
4897	440735.8	3767926	1.61E-04	7.09E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.04E-05	0.00E+00
4898	440745	3767922	1.61E-04	7.13E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.08E-05	0.00E+00
4899	440754.1	3767918	1.61E-04	7.17E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.12E-05	0.00E+00
4900	440790.7	3767903	1.61E-04	7.26E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.21E-05	0.00E+00
4901	440799.9	3767899	1.61E-04	7.27E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.22E-05	0.00E+00
4902	440809.1	3767896	1.61E-04	7.27E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.22E-05	0.00E+00
4903	440818.2	3767892	1.61E-04	7.27E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.22E-05	0.00E+00
4904	440827.4	3767888	1.61E-04	7.27E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.21E-05	0.00E+00
4905	440836.5	3767884	1.61E-04	7.26E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.21E-05	0.00E+00
4906	440845.7	3767881	1.61E-04	7.25E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.20E-05	0.00E+00
4907	440854.8	3767877	1.61E-04	7.23E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.18E-05	0.00E+00
4908	440864	3767873	1.61E-04	7.21E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.79E-04	0.00E+00	1.33E-05	7.16E-05	0.00E+00
4909	440873.1	3767869	1.61E-04	7.19E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.14E-05	0.00E+00
4910	440882.3	3767866	1.61E-04	7.17E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.11E-05	0.00E+00
4911	440891.4	3767862	1.61E-04	7.14E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.09E-05	0.00E+00
4912	440900.6	3767858	1.61E-04	7.11E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.76E-04	0.00E+00	1.33E-05	7.06E-05	0.00E+00
4913	440909.8	3767854	1.61E-04	7.07E-04	0.00E+00	1.82E-04	1.03E-03	0.00E+00	3.05E-05	1.75E-04	0.00E+00	1.33E-05	7.02E-05	0.00E+00
4914	440918.9	3767851	1.61E-04	7.04E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.98E-05	0.00E+00
4915	440928.1	3767847	1.61E-04	7.00E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.95E-05	0.00E+00
4916	440937.2	3767843	1.61E-04	6.97E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.92E-05	0.00E+00
4917	440946.4	3767839	1.61E-04	6.93E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.72E-04	0.00E+00	1.33E-05	6.88E-05	0.00E+00
4918	440955.5	3767836	1.61E-04	6.89E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.84E-05	0.00E+00
4919	440964.7	3767832	1.61E-04	6.84E-04	0.00E+00	1.82E-04	9.94E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.79E-05	0.00E+00
4920	440973.8	3767828	1.61E-04	6.78E-04	0.00E+00	1.82E-04	9.86E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.73E-05	0.00E+00
4921	440983	3767824	1.61E-04	6.72E-04	0.00E+00	1.82E-04	9.77E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.67E-05	0.00E+00
4922	440992.1	3767821	1.61E-04	6.66E-04	0.00E+00	1.82E-04	9.68E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.61E-05	0.00E+00
4923	441001.3	3767817	1.61E-04	6.60E-04	0.00E+00	1.82E-04	9.59E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.55E-05	0.00E+00
4924	441010.5	3767813	1.61E-04	6.52E-04	0.00E+00	1.82E-04	9.48E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.48E-05	0.00E+00
4925	441019.6	3767809	1.61E-04	6.45E-04	0.00E+00	1.82E-04	9.37E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.40E-05	0.00E+00
4926	441028.8	3767806	1.61E-04	6.37E-04	0.00E+00	1.82E-04	9.26E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.33E-05	0.00E+00
4927	441037.9	3767802	1.61E-04	6.31E-04	0.00E+00	1.82E-04	9.17E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.26E-05	0.00E+00
4928	441047.1	3767798	1.61E-04	6.24E-04	0.00E+00	1.82E-04	9.08E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.20E-05	0.00E+00
4929	441056.2	3767794	1.61E-04	6.18E-04	0.00E+00	1.82E-04	8.99E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.14E-05	0.00E+00
4930	441065.4	3767791	1.61E-04	6.11E-04	0.00E+00	1.82E-04	8.89E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.07E-05	0.00E+00
4931	441074.5	3767787	1.61E-04	6.04E-04	0.00E+00	1.82E-04	8.78E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.00E-05	0.00E+00
4932	441083.7	3767783	1.61E-04	5.96E-04	0.00E+00	1.82E-04	8.66E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.92E-05	0.00E+00
4933	441092.8	3767779	1.61E-04	5.88E-04	0.00E+00	1.82E-04	8.55E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.84E-05	0.00E+00
4934	441102	3767776	1.61E-04	5.80E-04	0.00E+00	1.82E-04	8.43E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.76E-05	0.00E+00
4935	441111.2	3767772	1.61E-04	5.72E-04	0.00E+00	1.82E-04	8.31E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.68E-05	0.00E+00
4936	441120.3	3767768	1.61E-04	5.64E-04	0.00E+00	1.82E-04	8.20E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.60E-05	0.00E+00
4937	441129.5	3767764	1.61E-04	5.57E-04	0.00E+00	1.82E-04	8.10E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.53E-05	0.00E+00
4938	441138.6	3767761	1.61E-04	5.51E-04	0.00E+00	1.82E-04	8.01E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.47E-05	0.00E+00
4939	441147.8	3767757	1.61E-04	5.44E-04	0.00E+00	1.82E-04	7.91E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.40E-05	0.00E+00
4940	441156.9	3767753	1.61E-04	5.38E-04	0.00E+00	1.82E-04	7.82E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.34E-05	0.00E+00
4941	441193.5	3767738	1.61E-04	5.06E-04	0.00E+00	1.82E-04	7.36E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.03E-05	0.00E+00
4942	441202.7	3767734	1.61E-04	4.96E-04	0.00E+00	1.82E-04	7.22E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.93E-05	0.00E+00
4943	441211.9	3767731	1.61E-04	4.86E-04	0.00E+00	1.82E-04	7.07E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.83E-05	0.00E+00
4944	441221	3767727	1.61E-04	4.77E-04	0.00E+00	1.82E-04	6.93E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.73E-05	0.00E+00
4945	441230.2	3767723	1.61E-04	4.67E-04	0.00E+00	1.82E-04	6.79E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.64E-05	0.00E+00
4946	441239.3	3767719	1.61E-04	4.58E-04	0.00E+00	1.82E-04	6.66E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.55E-05	0.00E+00
4947	440352.3	3768614	1.61E-04	3.92E-04	0.00E+00	1.82E-04	5.70E-04	0.00E+00	3.05E-05	9.72E-05	0.00E+00	1.33E-05	3.89E-05	0.00E+00
4948	440352.3	3768624	1.61E-04	3.89E-04	0.00E+00	1.82E-04	5.65E-04	0.00E+00	3.05E-05	9.63E-05	0.00E+00	1.33E-05	3.86E-05	0.00E+00
4949	440352.3	3768634	1.61E-04	3.85E-04	0.00E+00	1.82E-04	5.60E-04	0.00E+00	3.05E-05	9.55E-05	0.00E+00	1.33E-05	3.82E-05	0.00E+00
4950	441260.9	3768811	1.61E-04	8.74E-03	0.00E+00	1.82E-04	1.27E-02	0.00E+00	3.05E-05	2.17E-03	0.00E+00	1.33E-05	8.68E-04	0.00E+00
4951	441277	3768811	1.61E-04	1.13E-02	0.00E+00	1.82E-04	1.65E-02	0.00E+00	3.05E-05	2.81E-03	0.00E+00	1.33E-05	1.13E-03	0.00E+00
4952	441231.6	3768823	1.61E-04	4.99E-03	0.00E+00	1.82E-04	7.25E-03	0.00E+00	3.05E-05	1.24E-03	0.00E+00	1.33E-05	4.95E-04	0.00E+00
4953	441221.6	3768813	1.61E-04	5.15E-03	0.00E+00	1.82E-04	7.48E-03	0.00E+00	3.05E-05	1.28E-03	0.00E+00	1.33E-05	5.11E-04	0.00E+00
4954	441217.5	3768837	1.61E-04	3.73E-03	0.00E+00	1.82E-04	5.42E-03	0.00E+00	3.05E-05	9.23E-04	0.00E+00	1.33E-05	3.70E-04	0.00E+00
4955	441207.5	3768827	1.61E-04	3.85E-03	0.00E+00	1.82E-04	5.59E-03	0.00E+00	3.05E-05	9.53E-04	0.00E+00	1.33E-05	3.82E-04	0.00E+00
4956	441201.6	3768813	1.61E-04	4.27E-03	0.00E+00	1.82E-04	6.21E-03	0.00E+00	3.05E-05	1.06E-03	0.00E+00	1.33E-05	4.24E-04	0.00E+00
4957	441193.4	3768841	1.61E-04	3.06E-03	0.00E+00	1.82E-04	4.44E-03	0.00E+00	3.05E-05	7.57E-04	0.00E+00	1.33E-05	3.03E-04	0.00E+00
4958	441187.5	3768827	1.61E-04	3.35E-03	0.00E+00	1.82E-04	4.87E-03	0.00E+00	3.05E-05	8.31E-04	0.00E+00	1.33E-05	3.33E-04	0.00E+00
4959	441277	3768871	1.61E-04	3.52E-03	0.00E+00	1.82E-04	5.11E-03	0.00E+00	3.05E-05	8.72E-04	0.00E+00	1.33E-05	3.49E-04	0.00E+00
4960	441179.3	3768855	1.61E-04	2.51E-03	0.00E+00	1.82E-04	3.65E-03	0.00E+00	3.05E-05	6.23E-04	0.00E+00	1.33E-05	2.49E-04	0.00E+00
4961	441173.4	3768841	1.61E-04	2.73E-03	0.00E+00	1.82E-04	3.97E-03	0.00E+00	3.05E-05	6.76E-04	0.00E+00	1.33E-05	2.71E-04	0.00E+00
4962	441260.9	3768891	1.61E-04	2.64E-03	0.00E+00	1.82E-04	3.84E-03	0.00E+00	3.05E-05	6.55E-04	0.00E+00	1.33E-05	2.62E-04	0.00E+00
4963	441277	3768891	1.61E-04	2.83E-03	0.00E+00	1.82E-04	4.12E-03	0.00E+00	3.05E-05	7.02E-04	0.00E+00	1.33E-05	2.81E-04	0.00E+00
4964	441231.6	3768903	1.61E-04	2.14E-03	0.00E+00	1.82E-04	3.11E-03	0.00E+00	3.05E-05	5.30E-04	0.00E+00	1.33E-05	2.12E-04	0.00E+00
4965	441217.5	3768897	1.61E-04	2.13E-03	0.00E+00	1.82E-04	3.09E-03	0.00E+00	3.05E-05	5.28E-04	0.00E+00	1.33E-05	2.11E-04	0.00E+00
4966	441159.3	3768855	1.61E-04	2.28E-03	0.00E+00	1.82E-04	3.32E-03	0.00E+00	3.05E-05	5.65E-04	0.00E+00	1.33E-05	2.26E-04	0.00E+00
4967	441153.4	3768841	1.61E-04	2.46E-03	0.00E+00	1.82E-04	3.57E-03	0.00E+00	3.05E-05	6.09E-04	0.00E+00	1.33E-05	2.44E-04	0.00E+00
4968	441231.6	3768923	1.61E-04	1.84E-03	0.00E+00	1.82E-04	2.67E-03	0.00E+00	3.05E-05	4.56E-04	0.00E+00	1.33E-05	1.83E-04	0.00E+00
4969	441217.5	3768917	1.61E-04	1.83E-03	0.00E+00	1.82E-04	2.67E-03	0.00E+00	3.05E-05	4.55E-04	0.00E+00	1.33E-05	1.82E-04	0.00E+00
4970	441203.4	3768911	1.61E-04	1.82E-03	0.00E+00	1.82E-04	2.65E-03	0.00E+00	3.05E-05	4.52E-04	0.00E+00	1.33E-05	1.81E-04	0.00E+00
4971	441189.3	3768905	1.61E-04	1.81E-03	0.00E+00	1.82E-04	2.63E-03	0.00E+00	3.05E-05	4.48E-04	0.00E+00	1.33E-05	1.80E-04	0.00E+00
4972	441145.1	3768869	1.61E-04	1.94E-03	0.00E+00	1.82E-04	2.82E-03	0.00E+00	3.05E-05	4.81E-04	0.00E+00	1.33E-05	1.93E-04	0.00E+00
4973	441139.3	3768855	1.61E-04	2.08E-03	0.00E+00	1.82E-04	3.02E-03	0.00E+00	3.05E-05	5.14E-04	0.00E+00	1.33E-05	2.06E-04	0.00E+00
4974	441231.6	3768943	1.61E-04	1.60E-03	0.00E+00	1.82E-04	2.33E-03	0.00E+00	3.05E-05	3.97E-04	0.00E+00	1.33E-05	1.59E-04	0.00E+00
4975	441217.5	3768937	1.61E-04	1.60E-03	0.00E+00	1.82E-04	2.33E-03	0.00E+00	3.05E-05	3.97E-04	0.00E+00	1.33E-05	1.59E-04	0.00E+00
4976	441203.4	3768931	1.61E-04	1.60E-03	0.00E+00	1.82E-04	2.32E-03	0.00E+00	3.05E-05	3.95E-04	0.00E+00	1.33E-05	1.58E-04	0.00E+00
4977	441189.3	3768925	1.61E-04	1.59E-03	0.00E+00	1.82E-04	2.31E-03	0.00E+00	3.05E-05	3.93E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
4978	441175.1	3768919	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.29E-03	0.00E+00	3.05E-05	3.90E-04	0.00E+00	1.33E-05	1.56E-04	0.00E+00
4979	441161	3768914	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.27E-03	0.00E+00	3.05E-05	3.86E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
4980	441125.1	3768870	1.61E-04	1.78E-03	0.00E+00	1.82E-04	2.59E-03	0.00E+00	3.05E-05	4.42E-04	0.00E+00	1.33E-05	1.77E-04	0.00E+00
4981	441119.3	3768855	1.61E-04	1.90E-03	0.00E+00	1.82E-04	2.76E-03	0.00E+00	3.05E-05	4.70E-04	0.00E+00	1.33E-05	1.88E-04	0.00E+00
4982	441260.9	3768951	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.37E-03	0.00E+00	3.05E-05	4.03E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
4983	441277	3768951	1.61E-04	1.70E-03	0.00E+00	1.82E-04	2.46E-03	0.00E+00	3.05E-05	4.20E-04	0.00E+00	1.33E-05	1.68E-04	0.00E+00
4984	441231.6	3768963	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.04E-03	0.00E+00	3.05E-05	3.48E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
4985	441217.5	3768957	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.05E-03	0.00E+00	3.05E-05	3.49E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
4986	441203.4	3768951	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.05E-03	0.00E+00	3.05E-05	3.49E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
4987	441189.3	3768945	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.04E-03	0.00E+00	3.05E-05	3.48E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
4988	441175.1	3768939	1.61E-04	1.40E-03	0.00E+00	1.82E-04	2.03E-03	0.00E+00	3.05E-05	3.46E-04	0.00E+00	1.33E-05	1.39E-04	0.00E+00
4989	441161	3768934	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.01E-03	0.00E+00	3.05E-05	3.43E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00

4990	441146.9	3768928	1.61E-04	1.37E-03	0.00E+00	1.82E-04	1.99E-03	0.00E+00	3.05E-05	3.40E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
4991	441132.8	3768922	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.97E-03	0.00E+00	3.05E-05	3.36E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
4992	441111	3768884	1.61E-04	1.56E-03	0.00E+00	1.82E-04	2.26E-03	0.00E+00	3.05E-05	3.86E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
4993	441105.1	3768870	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.39E-03	0.00E+00	3.05E-05	4.08E-04	0.00E+00	1.33E-05	1.64E-04	0.00E+00
4994	441099.3	3768855	1.61E-04	1.74E-03	0.00E+00	1.82E-04	2.53E-03	0.00E+00	3.05E-05	4.31E-04	0.00E+00	1.33E-05	1.73E-04	0.00E+00
4995	441081.6	3768813	1.61E-04	2.03E-03	0.00E+00	1.82E-04	2.95E-03	0.00E+00	3.05E-05	5.03E-04	0.00E+00	1.33E-05	2.02E-04	0.00E+00
4996	441260.9	3768971	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.07E-03	0.00E+00	3.05E-05	3.53E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
4997	441277	3768971	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.15E-03	0.00E+00	3.05E-05	3.67E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
4998	441230.5	3768982	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.09E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
4999	441215.6	3768976	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.10E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
5000	441200.8	3768970	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.11E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
5001	441185.9	3768964	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.11E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
5002	441171.1	3768958	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.09E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
5003	441156.2	3768952	1.61E-04	1.24E-03	0.00E+00	1.82E-04	1.80E-03	0.00E+00	3.05E-05	3.07E-04	0.00E+00	1.33E-05	1.23E-04	0.00E+00
5004	441141.3	3768945	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.78E-03	0.00E+00	3.05E-05	3.04E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
5005	441126.5	3768939	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.77E-03	0.00E+00	3.05E-05	3.01E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00
5006	441089.9	3768881	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.12E-03	0.00E+00	3.05E-05	3.62E-04	0.00E+00	1.33E-05	1.45E-04	0.00E+00
5007	441083.7	3768866	1.61E-04	1.54E-03	0.00E+00	1.82E-04	2.24E-03	0.00E+00	3.05E-05	3.82E-04	0.00E+00	1.33E-05	1.53E-04	0.00E+00
5008	441077.6	3768851	1.61E-04	1.63E-03	0.00E+00	1.82E-04	2.37E-03	0.00E+00	3.05E-05	4.03E-04	0.00E+00	1.33E-05	1.62E-04	0.00E+00
5009	441071.4	3768837	1.61E-04	1.71E-03	0.00E+00	1.82E-04	2.49E-03	0.00E+00	3.05E-05	4.25E-04	0.00E+00	1.33E-05	1.70E-04	0.00E+00
5010	441065.2	3768822	1.61E-04	1.80E-03	0.00E+00	1.82E-04	2.62E-03	0.00E+00	3.05E-05	4.46E-04	0.00E+00	1.33E-05	1.79E-04	0.00E+00
5011	441059	3768807	1.61E-04	1.88E-03	0.00E+00	1.82E-04	2.73E-03	0.00E+00	3.05E-05	4.66E-04	0.00E+00	1.33E-05	1.87E-04	0.00E+00
5012	441201	3768990	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
5013	441186.2	3768984	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
5014	441171.4	3768978	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
5015	441156.6	3768972	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.77E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
5016	441141.9	3768966	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.75E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
5017	441127.1	3768959	1.61E-04	1.10E-03	0.00E+00	1.82E-04	1.60E-03	0.00E+00	3.05E-05	2.73E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00
5018	441112.3	3768953	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.70E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
5019	441094.4	3768940	1.61E-04	1.11E-03	0.00E+00	1.82E-04	1.61E-03	0.00E+00	3.05E-05	2.74E-04	0.00E+00	1.33E-05	1.10E-04	0.00E+00
5020	441075.9	3768896	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.88E-03	0.00E+00	3.05E-05	3.21E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
5021	441069.8	3768881	1.61E-04	1.36E-03	0.00E+00	1.82E-04	1.98E-03	0.00E+00	3.05E-05	3.38E-04	0.00E+00	1.33E-05	1.35E-04	0.00E+00
5022	441063.6	3768866	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.08E-03	0.00E+00	3.05E-05	3.55E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
5023	441057.4	3768851	1.61E-04	1.51E-03	0.00E+00	1.82E-04	2.19E-03	0.00E+00	3.05E-05	3.73E-04	0.00E+00	1.33E-05	1.49E-04	0.00E+00
5024	441051.3	3768836	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.29E-03	0.00E+00	3.05E-05	3.91E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
5025	441045.1	3768822	1.61E-04	1.65E-03	0.00E+00	1.82E-04	2.40E-03	0.00E+00	3.05E-05	4.09E-04	0.00E+00	1.33E-05	1.64E-04	0.00E+00
5026	441039	3768807	1.61E-04	1.72E-03	0.00E+00	1.82E-04	2.50E-03	0.00E+00	3.05E-05	4.26E-04	0.00E+00	1.33E-05	1.71E-04	0.00E+00
5027	441230.7	3769022	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.49E-04	0.00E+00	1.33E-05	9.98E-05	0.00E+00
5028	441216	3769016	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.50E-04	0.00E+00	1.33E-05	1.00E-04	0.00E+00
5029	441157	3768992	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.51E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
5030	441142.3	3768986	1.61E-04	1.01E-03	0.00E+00	1.82E-04	1.47E-03	0.00E+00	3.05E-05	2.50E-04	0.00E+00	1.33E-05	1.00E-04	0.00E+00
5031	441127.6	3768980	1.61E-04	1.00E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.48E-04	0.00E+00	1.33E-05	9.95E-05	0.00E+00
5032	441112.8	3768974	1.61E-04	9.95E-04	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.47E-04	0.00E+00	1.33E-05	9.87E-05	0.00E+00
5033	441098.1	3768968	1.61E-04	9.86E-04	0.00E+00	1.82E-04	1.43E-03	0.00E+00	3.05E-05	2.44E-04	0.00E+00	1.33E-05	9.79E-05	0.00E+00
5034	441080.3	3768954	1.61E-04	1.00E-03	0.00E+00	1.82E-04	1.45E-03	0.00E+00	3.05E-05	2.48E-04	0.00E+00	1.33E-05	9.93E-05	0.00E+00
5035	441055.7	3768895	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.77E-03	0.00E+00	3.05E-05	3.01E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00
5036	441049.6	3768880	1.61E-04	1.27E-03	0.00E+00	1.82E-04	1.85E-03	0.00E+00	3.05E-05	3.16E-04	0.00E+00	1.33E-05	1.26E-04	0.00E+00
5037	441043.5	3768866	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.31E-04	0.00E+00	1.33E-05	1.33E-04	0.00E+00
5038	441018.9	3768807	1.61E-04	1.58E-03	0.00E+00	1.82E-04	2.29E-03	0.00E+00	3.05E-05	3.91E-04	0.00E+00	1.33E-05	1.57E-04	0.00E+00
5039	441230.8	3769042	1.61E-04	9.12E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.26E-04	0.00E+00	1.33E-05	9.05E-05	0.00E+00
5040	441216.1	3769036	1.61E-04	9.16E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.27E-04	0.00E+00	1.33E-05	9.10E-05	0.00E+00
5041	441201.4	3769030	1.61E-04	9.20E-04	0.00E+00	1.82E-04	1.34E-03	0.00E+00	3.05E-05	2.28E-04	0.00E+00	1.33E-05	9.13E-05	0.00E+00
5042	441186.7	3769024	1.61E-04	9.23E-04	0.00E+00	1.82E-04	1.34E-03	0.00E+00	3.05E-05	2.29E-04	0.00E+00	1.33E-05	9.16E-05	0.00E+00
5043	441172	3769018	1.61E-04	9.24E-04	0.00E+00	1.82E-04	1.34E-03	0.00E+00	3.05E-05	2.29E-04	0.00E+00	1.33E-05	9.17E-05	0.00E+00
5044	441098.6	3768988	1.61E-04	9.06E-04	0.00E+00	1.82E-04	1.32E-03	0.00E+00	3.05E-05	2.25E-04	0.00E+00	1.33E-05	8.99E-05	0.00E+00
5045	441083.9	3768982	1.61E-04	8.98E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.23E-04	0.00E+00	1.33E-05	8.92E-05	0.00E+00
5046	441066.2	3768968	1.61E-04	9.10E-04	0.00E+00	1.82E-04	1.32E-03	0.00E+00	3.05E-05	2.25E-04	0.00E+00	1.33E-05	9.03E-05	0.00E+00
5047	441060.1	3768954	1.61E-04	9.52E-04	0.00E+00	1.82E-04	1.38E-03	0.00E+00	3.05E-05	2.36E-04	0.00E+00	1.33E-05	9.45E-05	0.00E+00
5048	441041.7	3768910	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.59E-03	0.00E+00	3.05E-05	2.70E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
5049	441017.3	3768851	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.89E-03	0.00E+00	3.05E-05	3.22E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
5050	441011.1	3768836	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.97E-03	0.00E+00	3.05E-05	3.35E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
5051	441005	3768822	1.61E-04	1.41E-03	0.00E+00	1.82E-04	2.04E-03	0.00E+00	3.05E-05	3.48E-04	0.00E+00	1.33E-05	1.40E-04	0.00E+00
5052	440998.9	3768807	1.61E-04	1.46E-03	0.00E+00	1.82E-04	2.12E-03	0.00E+00	3.05E-05	3.61E-04	0.00E+00	1.33E-05	1.44E-04	0.00E+00
5053	441230.8	3769062	1.61E-04	8.32E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.06E-04	0.00E+00	1.33E-05	8.26E-05	0.00E+00
5054	441216.2	3769056	1.61E-04	8.37E-04	0.00E+00	1.82E-04	1.22E-03	0.00E+00	3.05E-05	2.07E-04	0.00E+00	1.33E-05	8.30E-05	0.00E+00
5055	441201.6	3769050	1.61E-04	8.40E-04	0.00E+00	1.82E-04	1.22E-03	0.00E+00	3.05E-05	2.08E-04	0.00E+00	1.33E-05	8.33E-05	0.00E+00
5056	441186.9	3769044	1.61E-04	8.42E-04	0.00E+00	1.82E-04	1.22E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.36E-05	0.00E+00
5057	441172.3	3769038	1.61E-04	8.44E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.38E-05	0.00E+00
5058	441157.6	3769032	1.61E-04	8.44E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.38E-05	0.00E+00
5059	441143	3769026	1.61E-04	8.44E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.37E-05	0.00E+00
5060	441128.3	3769020	1.61E-04	8.42E-04	0.00E+00	1.82E-04	1.22E-03	0.00E+00	3.05E-05	2.09E-04	0.00E+00	1.33E-05	8.36E-05	0.00E+00
5061	441113.7	3769014	1.61E-04	8.38E-04	0.00E+00	1.82E-04	1.22E-03	0.00E+00	3.05E-05	2.08E-04	0.00E+00	1.33E-05	8.32E-05	0.00E+00
5062	441052.1	3768982	1.61E-04	8.31E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.06E-04	0.00E+00	1.33E-05	8.25E-05	0.00E+00
5063	441046	3768968	1.61E-04	8.68E-04	0.00E+00	1.82E-04	1.26E-03	0.00E+00	3.05E-05	2.15E-04	0.00E+00	1.33E-05	8.61E-05	0.00E+00
5064	441003.3	3768865	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.70E-03	0.00E+00	3.05E-05	2.89E-04	0.00E+00	1.33E-05	1.16E-04	0.00E+00
5065	440997.2	3768851	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.76E-03	0.00E+00	3.05E-05	3.01E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
5066	440991.1	3768836	1.61E-04	1.26E-03	0.00E+00	1.82E-04	1.83E-03	0.00E+00	3.05E-05	3.12E-04	0.00E+00	1.33E-05	1.25E-04	0.00E+00
5067	440985	3768822	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.23E-04	0.00E+00	1.33E-05	1.29E-04	0.00E+00
5068	440978.9	3768807	1.61E-04	1.35E-03	0.00E+00	1.82E-04	1.96E-03	0.00E+00	3.05E-05	3.34E-04	0.00E+00	1.33E-05	1.34E-04	0.00E+00
5069	441260.9	3769071	1.61E-04	8.33E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.07E-04	0.00E+00	1.33E-05	8.27E-05	0.00E+00
5070	441277	3769071	1.61E-04	8.53E-04	0.00E+00	1.82E-04	1.24E-03	0.00E+00	3.05E-05	2.11E-04	0.00E+00	1.33E-05	8.47E-05	0.00E+00
5071	441230.9	3769082	1.61E-04	7.63E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.58E-05	0.00E+00
5072	441216.3	3769076	1.61E-04	7.68E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.63E-05	0.00E+00
5073	441201.7	3769070	1.61E-04	7.71E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.66E-05	0.00E+00
5074	441187.1	3769064	1.61E-04	7.73E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.68E-05	0.00E+00
5075	441172.5	3769058	1.61E-04	7.75E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.69E-05	0.00E+00
5076	441157.9	3769052	1.61E-04	7.75E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.70E-05	0.00E+00
5077	441143.2	3769046	1.61E-04	7.75E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.69E-05	0.00E+00
5078	441128.6	3769040	1.61E-04	7.74E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.92E-04	0.00E+00	1.33E-05	7.69E-05	0.00E+00
5079	441114	3769034	1.61E-04	7.72E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.67E-05	0.00E+00
5080	441099.4	3769028	1.61E-04	7.69E-04	0.00E+00	1.82E-04	1.12E-03	0.00E+00	3.05E-05	1.91E-04	0.00E+00	1.33E-05	7.64E-05	0.00E+00
5081	441084.8	3769022	1.61E-04	7.65E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.90E-04	0.00E+00	1.33E-05	7.59E-05	0.00E+00
5082	441070.2	3769016	1.61E-04	7.59E-04	0.00E+00	1.82E-04	1.10E-03	0.00E+00	3.05E-05	1.88E-04	0.00E+00	1.33E-05	7.54E-05	0.00E+00
5083	441031.9	3768982	1.61E-04	7.94E-04	0.00E+00	1.82E-04	1.15E-03	0.00E+00	3.05E-05	1.97E-04	0.00E+00	1.33E-05	7.88E-05	0.00E+00
5084	441025.8	3768967	1.61E-04	8.28E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.05E-04	0.00E+00	1.33E-05	8.22E-05	0.00E+00
5085	440983.2	3768865	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.59E-03	0.00E+00	3.05E-05	2.71E-04	0.00E+00	1.33E-05	1.09E-04	0.00E+00

5086	440977.1	3768851	1.61E-04	1.14E-03	0.00E+00	1.82E-04	1.65E-03	0.00E+00	3.05E-05	2.81E-04	0.00E+00	1.33E-05	1.13E-04	0.00E+00
5087	440971.1	3768836	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.71E-03	0.00E+00	3.05E-05	2.91E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
5088	440965	3768822	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.77E-03	0.00E+00	3.05E-05	3.01E-04	0.00E+00	1.33E-05	1.21E-04	0.00E+00
5089	440958.9	3768807	1.61E-04	1.25E-03	0.00E+00	1.82E-04	1.82E-03	0.00E+00	3.05E-05	3.11E-04	0.00E+00	1.33E-05	1.24E-04	0.00E+00
5090	441260.9	3769091	1.61E-04	7.64E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.58E-05	0.00E+00
5091	441277	3769091	1.61E-04	7.80E-04	0.00E+00	1.82E-04	1.13E-03	0.00E+00	3.05E-05	1.93E-04	0.00E+00	1.33E-05	7.74E-05	0.00E+00
5092	441231	3769122	1.61E-04	6.50E-04	0.00E+00	1.82E-04	9.44E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.45E-05	0.00E+00
5093	441216.4	3769116	1.61E-04	6.54E-04	0.00E+00	1.82E-04	9.51E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.49E-05	0.00E+00
5094	441201.9	3769110	1.61E-04	6.57E-04	0.00E+00	1.82E-04	9.55E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.52E-05	0.00E+00
5095	441187.3	3769104	1.61E-04	6.59E-04	0.00E+00	1.82E-04	9.59E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.55E-05	0.00E+00
5096	441172.8	3769098	1.61E-04	6.61E-04	0.00E+00	1.82E-04	9.61E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.56E-05	0.00E+00
5097	441158.2	3769092	1.61E-04	6.62E-04	0.00E+00	1.82E-04	9.62E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.57E-05	0.00E+00
5098	441143.7	3769086	1.61E-04	6.62E-04	0.00E+00	1.82E-04	9.63E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.57E-05	0.00E+00
5099	441129.1	3769080	1.61E-04	6.62E-04	0.00E+00	1.82E-04	9.63E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.57E-05	0.00E+00
5100	441114.6	3769074	1.61E-04	6.62E-04	0.00E+00	1.82E-04	9.62E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.57E-05	0.00E+00
5101	441100	3769068	1.61E-04	6.61E-04	0.00E+00	1.82E-04	9.60E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.56E-05	0.00E+00
5102	441085.5	3769062	1.61E-04	6.58E-04	0.00E+00	1.82E-04	9.57E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.54E-05	0.00E+00
5103	441070.9	3769056	1.61E-04	6.55E-04	0.00E+00	1.82E-04	9.51E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.50E-05	0.00E+00
5104	441056.4	3769050	1.61E-04	6.50E-04	0.00E+00	1.82E-04	9.45E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.45E-05	0.00E+00
5105	441041.8	3769044	1.61E-04	6.46E-04	0.00E+00	1.82E-04	9.39E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.41E-05	0.00E+00
5106	441027.3	3769038	1.61E-04	6.41E-04	0.00E+00	1.82E-04	9.32E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.36E-05	0.00E+00
5107	441009.7	3769025	1.61E-04	6.48E-04	0.00E+00	1.82E-04	9.42E-04	0.00E+00	3.05E-05	1.61E-04	0.00E+00	1.33E-05	6.43E-05	0.00E+00
5108	440991.6	3768981	1.61E-04	7.26E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.21E-05	0.00E+00
5109	440943.1	3768865	1.61E-04	9.69E-04	0.00E+00	1.82E-04	1.41E-03	0.00E+00	3.05E-05	2.40E-04	0.00E+00	1.33E-05	9.62E-05	0.00E+00
5110	440937	3768851	1.61E-04	1.00E-03	0.00E+00	1.82E-04	1.46E-03	0.00E+00	3.05E-05	2.48E-04	0.00E+00	1.33E-05	9.94E-05	0.00E+00
5111	440931	3768836	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.56E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
5112	440924.9	3768822	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.54E-03	0.00E+00	3.05E-05	2.63E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
5113	440918.9	3768807	1.61E-04	1.09E-03	0.00E+00	1.82E-04	1.59E-03	0.00E+00	3.05E-05	2.71E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
5114	441231.1	3769162	1.61E-04	5.60E-04	0.00E+00	1.82E-04	8.14E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.56E-05	0.00E+00
5115	441216.5	3769156	1.61E-04	5.64E-04	0.00E+00	1.82E-04	8.19E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.60E-05	0.00E+00
5116	441202	3769150	1.61E-04	5.67E-04	0.00E+00	1.82E-04	8.25E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.63E-05	0.00E+00
5117	441187.5	3769144	1.61E-04	5.71E-04	0.00E+00	1.82E-04	8.29E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.66E-05	0.00E+00
5118	441173	3769138	1.61E-04	5.73E-04	0.00E+00	1.82E-04	8.33E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.69E-05	0.00E+00
5119	441158.5	3769132	1.61E-04	5.74E-04	0.00E+00	1.82E-04	8.34E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.70E-05	0.00E+00
5120	441144	3769126	1.61E-04	5.75E-04	0.00E+00	1.82E-04	8.36E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.71E-05	0.00E+00
5121	441129.5	3769121	1.61E-04	5.75E-04	0.00E+00	1.82E-04	8.36E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.71E-05	0.00E+00
5122	441115	3769115	1.61E-04	5.76E-04	0.00E+00	1.82E-04	8.37E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.71E-05	0.00E+00
5123	441100.5	3769109	1.61E-04	5.75E-04	0.00E+00	1.82E-04	8.36E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.71E-05	0.00E+00
5124	441086	3769103	1.61E-04	5.75E-04	0.00E+00	1.82E-04	8.35E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.70E-05	0.00E+00
5125	441071.5	3769097	1.61E-04	5.72E-04	0.00E+00	1.82E-04	8.32E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.68E-05	0.00E+00
5126	441057	3769091	1.61E-04	5.69E-04	0.00E+00	1.82E-04	8.28E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.65E-05	0.00E+00
5127	441042.5	3769085	1.61E-04	5.57E-04	0.00E+00	1.82E-04	8.10E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.53E-05	0.00E+00
5128	441028	3769079	1.61E-04	5.49E-04	0.00E+00	1.82E-04	7.98E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.45E-05	0.00E+00
5129	441013.5	3769073	1.61E-04	5.46E-04	0.00E+00	1.82E-04	7.94E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.42E-05	0.00E+00
5130	440999	3769067	1.61E-04	5.43E-04	0.00E+00	1.82E-04	7.89E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.39E-05	0.00E+00
5131	440981.5	3769053	1.61E-04	5.53E-04	0.00E+00	1.82E-04	8.03E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.49E-05	0.00E+00
5132	440975.5	3769039	1.61E-04	5.80E-04	0.00E+00	1.82E-04	8.44E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.76E-05	0.00E+00
5133	440969.4	3769024	1.61E-04	6.00E-04	0.00E+00	1.82E-04	8.73E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.96E-05	0.00E+00
5134	440933.2	3768937	1.61E-04	7.38E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.83E-04	0.00E+00	1.33E-05	7.33E-05	0.00E+00
5135	440927.1	3768923	1.61E-04	7.63E-04	0.00E+00	1.82E-04	1.11E-03	0.00E+00	3.05E-05	1.89E-04	0.00E+00	1.33E-05	7.58E-05	0.00E+00
5136	440884.9	3768822	1.61E-04	9.40E-04	0.00E+00	1.82E-04	1.37E-03	0.00E+00	3.05E-05	2.33E-04	0.00E+00	1.33E-05	9.33E-05	0.00E+00
5137	440878.8	3768807	1.61E-04	9.63E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.39E-04	0.00E+00	1.33E-05	9.56E-05	0.00E+00
5138	441171.3	3769178	1.61E-04	5.01E-04	0.00E+00	1.82E-04	7.28E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.97E-05	0.00E+00
5139	441156.4	3769172	1.61E-04	5.03E-04	0.00E+00	1.82E-04	7.32E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.00E-05	0.00E+00
5140	441141.6	3769165	1.61E-04	5.05E-04	0.00E+00	1.82E-04	7.34E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.01E-05	0.00E+00
5141	441126.8	3769159	1.61E-04	5.05E-04	0.00E+00	1.82E-04	7.34E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.02E-05	0.00E+00
5142	441111.9	3769153	1.61E-04	5.05E-04	0.00E+00	1.82E-04	7.35E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.02E-05	0.00E+00
5143	441097.1	3769147	1.61E-04	5.05E-04	0.00E+00	1.82E-04	7.34E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.02E-05	0.00E+00
5144	441082.3	3769141	1.61E-04	5.05E-04	0.00E+00	1.82E-04	7.34E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.01E-05	0.00E+00
5145	441067.5	3769135	1.61E-04	5.04E-04	0.00E+00	1.82E-04	7.33E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.01E-05	0.00E+00
5146	441052.6	3769129	1.61E-04	5.02E-04	0.00E+00	1.82E-04	7.30E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.99E-05	0.00E+00
5147	441037.8	3769123	1.61E-04	4.94E-04	0.00E+00	1.82E-04	7.18E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.90E-05	0.00E+00
5148	441023	3769116	1.61E-04	4.89E-04	0.00E+00	1.82E-04	7.10E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.85E-05	0.00E+00
5149	441008.2	3769110	1.61E-04	4.84E-04	0.00E+00	1.82E-04	7.04E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.81E-05	0.00E+00
5150	440993.3	3769104	1.61E-04	4.83E-04	0.00E+00	1.82E-04	7.02E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.79E-05	0.00E+00
5151	440978.5	3769098	1.61E-04	4.83E-04	0.00E+00	1.82E-04	7.02E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.79E-05	0.00E+00
5152	440963.7	3769092	1.61E-04	4.81E-04	0.00E+00	1.82E-04	6.99E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.77E-05	0.00E+00
5153	440953.2	3769081	1.61E-04	4.93E-04	0.00E+00	1.82E-04	7.16E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.89E-05	0.00E+00
5154	440947	3769067	1.61E-04	5.08E-04	0.00E+00	1.82E-04	7.39E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.05E-05	0.00E+00
5155	440940.8	3769052	1.61E-04	5.25E-04	0.00E+00	1.82E-04	7.63E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.21E-05	0.00E+00
5156	440934.7	3769037	1.61E-04	5.42E-04	0.00E+00	1.82E-04	7.88E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.38E-05	0.00E+00
5157	440928.5	3769022	1.61E-04	5.61E-04	0.00E+00	1.82E-04	8.15E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.56E-05	0.00E+00
5158	440897.6	3768948	1.61E-04	6.58E-04	0.00E+00	1.82E-04	9.57E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.53E-05	0.00E+00
5159	440891.5	3768933	1.61E-04	6.79E-04	0.00E+00	1.82E-04	9.88E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.75E-05	0.00E+00
5160	440842.1	3768815	1.61E-04	8.46E-04	0.00E+00	1.82E-04	1.23E-03	0.00E+00	3.05E-05	2.10E-04	0.00E+00	1.33E-05	8.40E-05	0.00E+00
5161	441260.9	3769211	1.61E-04	4.87E-04	0.00E+00	1.82E-04	7.08E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.84E-05	0.00E+00
5162	441277	3769211	1.61E-04	4.94E-04	0.00E+00	1.82E-04	7.19E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.91E-05	0.00E+00
5163	441230.7	3769242	1.61E-04	4.30E-04	0.00E+00	1.82E-04	6.26E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.27E-05	0.00E+00
5164	441215.9	3769236	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.30E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.30E-05	0.00E+00
5165	441201.1	3769230	1.61E-04	4.37E-04	0.00E+00	1.82E-04	6.35E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.33E-05	0.00E+00
5166	441186.4	3769224	1.61E-04	4.39E-04	0.00E+00	1.82E-04	6.38E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.36E-05	0.00E+00
5167	441171.6	3769218	1.61E-04	4.41E-04	0.00E+00	1.82E-04	6.41E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.38E-05	0.00E+00
5168	441068.3	3769175	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.43E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
5169	441053.5	3769169	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.43E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
5170	441038.7	3769163	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.43E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
5171	441024	3769157	1.61E-04	4.41E-04	0.00E+00	1.82E-04	6.41E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.38E-05	0.00E+00
5172	441009.2	3769151	1.61E-04	4.43E-04	0.00E+00	1.82E-04	6.45E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.40E-05	0.00E+00
5173	440994.5	3769145	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.42E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
5174	440979.7	3769139	1.61E-04	4.39E-04	0.00E+00	1.82E-04	6.39E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.36E-05	0.00E+00
5175	440964.9	3769132	1.61E-04	4.37E-04	0.00E+00	1.82E-04	6.35E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.34E-05	0.00E+00
5176	440950.2	3769126	1.61E-04	4.35E-04	0.00E+00	1.82E-04	6.32E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
5177	440935.4	3769120	1.61E-04	4.32E-04	0.00E+00	1.82E-04	6.28E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.29E-05	0.00E+00
5178	440925	3769110	1.61E-04	4.37E-04	0.00E+00	1.82E-04	6.35E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.33E-05	0.00E+00
5179	440918.8	3769095	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.53E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
5180	440912.7	3769080	1.61E-04	4.55E-04	0.00E+00	1.82E-04	6.62E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.52E-05	0.00E+00
5181	440906.5	3769066	1.61E-04	4.77E-04	0.00E+00	1.82E-04	6.93E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.73E-05	0.00E+00

5182	440900.4	3769051	1.61E-04	4.91E-04	0.00E+00	1.82E-04	7.14E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.88E-05	0.00E+00
5183	440894.2	3769036	1.61E-04	5.07E-04	0.00E+00	1.82E-04	7.36E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.03E-05	0.00E+00
5184	440888.1	3769021	1.61E-04	5.22E-04	0.00E+00	1.82E-04	7.59E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.18E-05	0.00E+00
5185	440863.5	3768962	1.61E-04	5.88E-04	0.00E+00	1.82E-04	8.54E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.83E-05	0.00E+00
5186	440857.3	3768948	1.61E-04	6.05E-04	0.00E+00	1.82E-04	8.79E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.00E-05	0.00E+00
5187	440851.2	3768933	1.61E-04	6.22E-04	0.00E+00	1.82E-04	9.04E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.18E-05	0.00E+00
5188	440845.1	3768918	1.61E-04	6.40E-04	0.00E+00	1.82E-04	9.31E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.36E-05	0.00E+00
5189	440838.9	3768903	1.61E-04	6.58E-04	0.00E+00	1.82E-04	9.57E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.54E-05	0.00E+00
5190	440832.8	3768889	1.61E-04	6.76E-04	0.00E+00	1.82E-04	9.82E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.71E-05	0.00E+00
5191	440826.6	3768874	1.61E-04	6.92E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.87E-05	0.00E+00
5192	441260.9	3769251	1.61E-04	4.29E-04	0.00E+00	1.82E-04	6.24E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.26E-05	0.00E+00
5193	441277	3769251	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.32E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
5194	441245.5	3769288	1.61E-04	3.72E-04	0.00E+00	1.82E-04	5.41E-04	0.00E+00	3.05E-05	9.23E-05	0.00E+00	1.33E-05	3.70E-05	0.00E+00
5195	441230.7	3769282	1.61E-04	3.76E-04	0.00E+00	1.82E-04	5.46E-04	0.00E+00	3.05E-05	9.31E-05	0.00E+00	1.33E-05	3.73E-05	0.00E+00
5196	441216	3769276	1.61E-04	3.79E-04	0.00E+00	1.82E-04	5.50E-04	0.00E+00	3.05E-05	9.38E-05	0.00E+00	1.33E-05	3.76E-05	0.00E+00
5197	441201.3	3769270	1.61E-04	3.82E-04	0.00E+00	1.82E-04	5.56E-04	0.00E+00	3.05E-05	9.47E-05	0.00E+00	1.33E-05	3.79E-05	0.00E+00
5198	441186.6	3769264	1.61E-04	3.86E-04	0.00E+00	1.82E-04	5.61E-04	0.00E+00	3.05E-05	9.56E-05	0.00E+00	1.33E-05	3.83E-05	0.00E+00
5199	441171.9	3769258	1.61E-04	3.89E-04	0.00E+00	1.82E-04	5.65E-04	0.00E+00	3.05E-05	9.64E-05	0.00E+00	1.33E-05	3.86E-05	0.00E+00
5200	440966	3769173	1.61E-04	3.95E-04	0.00E+00	1.82E-04	5.73E-04	0.00E+00	3.05E-05	9.78E-05	0.00E+00	1.33E-05	3.92E-05	0.00E+00
5201	440951.3	3769167	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.71E-04	0.00E+00	3.05E-05	9.73E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
5202	440936.6	3769161	1.61E-04	3.91E-04	0.00E+00	1.82E-04	5.68E-04	0.00E+00	3.05E-05	9.68E-05	0.00E+00	1.33E-05	3.88E-05	0.00E+00
5203	440921.8	3769155	1.61E-04	3.88E-04	0.00E+00	1.82E-04	5.64E-04	0.00E+00	3.05E-05	9.62E-05	0.00E+00	1.33E-05	3.85E-05	0.00E+00
5204	440907.1	3769149	1.61E-04	3.86E-04	0.00E+00	1.82E-04	5.61E-04	0.00E+00	3.05E-05	9.56E-05	0.00E+00	1.33E-05	3.83E-05	0.00E+00
5205	440896.7	3769138	1.61E-04	3.90E-04	0.00E+00	1.82E-04	5.67E-04	0.00E+00	3.05E-05	9.66E-05	0.00E+00	1.33E-05	3.87E-05	0.00E+00
5206	440890.6	3769124	1.61E-04	4.01E-04	0.00E+00	1.82E-04	5.82E-04	0.00E+00	3.05E-05	9.93E-05	0.00E+00	1.33E-05	3.98E-05	0.00E+00
5207	440884.5	3769109	1.61E-04	4.12E-04	0.00E+00	1.82E-04	5.98E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.09E-05	0.00E+00
5208	440878.3	3769094	1.61E-04	4.23E-04	0.00E+00	1.82E-04	6.15E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.20E-05	0.00E+00
5209	440872.2	3769079	1.61E-04	4.35E-04	0.00E+00	1.82E-04	6.32E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.32E-05	0.00E+00
5210	440866.1	3769065	1.61E-04	4.47E-04	0.00E+00	1.82E-04	6.50E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.44E-05	0.00E+00
5211	440860	3769050	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.69E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.57E-05	0.00E+00
5212	440853.9	3769035	1.61E-04	4.73E-04	0.00E+00	1.82E-04	6.88E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.70E-05	0.00E+00
5213	440847.7	3769021	1.61E-04	4.87E-04	0.00E+00	1.82E-04	7.08E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.83E-05	0.00E+00
5214	440829.4	3768977	1.61E-04	5.28E-04	0.00E+00	1.82E-04	7.68E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.24E-05	0.00E+00
5215	440823.2	3768962	1.61E-04	5.43E-04	0.00E+00	1.82E-04	7.89E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.39E-05	0.00E+00
5216	440786.5	3768874	1.61E-04	6.32E-04	0.00E+00	1.82E-04	9.18E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.27E-05	0.00E+00
5217	440780.4	3768859	1.61E-04	6.46E-04	0.00E+00	1.82E-04	9.39E-04	0.00E+00	3.05E-05	1.60E-04	0.00E+00	1.33E-05	6.41E-05	0.00E+00
5218	440774.2	3768844	1.61E-04	6.60E-04	0.00E+00	1.82E-04	9.59E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.55E-05	0.00E+00
5219	440768.1	3768830	1.61E-04	6.73E-04	0.00E+00	1.82E-04	9.79E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.68E-05	0.00E+00
5220	440762	3768815	1.61E-04	6.87E-04	0.00E+00	1.82E-04	9.98E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.82E-05	0.00E+00
5221	441260.9	3769291	1.61E-04	3.73E-04	0.00E+00	1.82E-04	5.43E-04	0.00E+00	3.05E-05	9.26E-05	0.00E+00	1.33E-05	3.71E-05	0.00E+00
5222	441277	3769291	1.61E-04	3.78E-04	0.00E+00	1.82E-04	5.50E-04	0.00E+00	3.05E-05	9.37E-05	0.00E+00	1.33E-05	3.75E-05	0.00E+00
5223	441245.5	3769328	1.61E-04	3.27E-04	0.00E+00	1.82E-04	4.76E-04	0.00E+00	3.05E-05	8.11E-05	0.00E+00	1.33E-05	3.25E-05	0.00E+00
5224	441230.8	3769322	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.79E-04	0.00E+00	3.05E-05	8.17E-05	0.00E+00	1.33E-05	3.27E-05	0.00E+00
5225	441201.5	3769310	1.61E-04	3.37E-04	0.00E+00	1.82E-04	4.90E-04	0.00E+00	3.05E-05	8.36E-05	0.00E+00	1.33E-05	3.35E-05	0.00E+00
5226	441186.8	3769304	1.61E-04	3.42E-04	0.00E+00	1.82E-04	4.97E-04	0.00E+00	3.05E-05	8.47E-05	0.00E+00	1.33E-05	3.39E-05	0.00E+00
5227	441172.2	3769298	1.61E-04	3.46E-04	0.00E+00	1.82E-04	5.03E-04	0.00E+00	3.05E-05	8.57E-05	0.00E+00	1.33E-05	3.43E-05	0.00E+00
5228	441157.5	3769292	1.61E-04	3.49E-04	0.00E+00	1.82E-04	5.07E-04	0.00E+00	3.05E-05	8.65E-05	0.00E+00	1.33E-05	3.47E-05	0.00E+00
5229	441142.8	3769286	1.61E-04	3.52E-04	0.00E+00	1.82E-04	5.11E-04	0.00E+00	3.05E-05	8.71E-05	0.00E+00	1.33E-05	3.49E-05	0.00E+00
5230	441128.2	3769280	1.61E-04	3.54E-04	0.00E+00	1.82E-04	5.14E-04	0.00E+00	3.05E-05	8.77E-05	0.00E+00	1.33E-05	3.51E-05	0.00E+00
5231	441113.5	3769274	1.61E-04	3.55E-04	0.00E+00	1.82E-04	5.16E-04	0.00E+00	3.05E-05	8.81E-05	0.00E+00	1.33E-05	3.53E-05	0.00E+00
5232	440868.5	3769167	1.61E-04	3.44E-04	0.00E+00	1.82E-04	5.00E-04	0.00E+00	3.05E-05	8.53E-05	0.00E+00	1.33E-05	3.42E-05	0.00E+00
5233	440862.4	3769152	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.13E-04	0.00E+00	3.05E-05	8.75E-05	0.00E+00	1.33E-05	3.51E-05	0.00E+00
5234	440856.3	3769137	1.61E-04	3.63E-04	0.00E+00	1.82E-04	5.27E-04	0.00E+00	3.05E-05	8.99E-05	0.00E+00	1.33E-05	3.60E-05	0.00E+00
5235	440850.2	3769123	1.61E-04	3.73E-04	0.00E+00	1.82E-04	5.42E-04	0.00E+00	3.05E-05	9.25E-05	0.00E+00	1.33E-05	3.70E-05	0.00E+00
5236	440844.1	3769108	1.61E-04	3.89E-04	0.00E+00	1.82E-04	5.65E-04	0.00E+00	3.05E-05	9.63E-05	0.00E+00	1.33E-05	3.86E-05	0.00E+00
5237	440838	3769093	1.61E-04	3.99E-04	0.00E+00	1.82E-04	5.80E-04	0.00E+00	3.05E-05	9.89E-05	0.00E+00	1.33E-05	3.96E-05	0.00E+00
5238	440831.9	3769079	1.61E-04	4.10E-04	0.00E+00	1.82E-04	5.96E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.07E-05	0.00E+00
5239	440789.1	3768976	1.61E-04	4.91E-04	0.00E+00	1.82E-04	7.14E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.87E-05	0.00E+00
5240	440783	3768962	1.61E-04	5.03E-04	0.00E+00	1.82E-04	7.32E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.00E-05	0.00E+00
5241	440776.9	3768947	1.61E-04	5.16E-04	0.00E+00	1.82E-04	7.50E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.12E-05	0.00E+00
5242	440746.4	3768874	1.61E-04	5.78E-04	0.00E+00	1.82E-04	8.40E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.74E-05	0.00E+00
5243	440740.3	3768859	1.61E-04	5.90E-04	0.00E+00	1.82E-04	8.57E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.86E-05	0.00E+00
5244	440734.2	3768844	1.61E-04	6.02E-04	0.00E+00	1.82E-04	8.75E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.97E-05	0.00E+00
5245	440728.1	3768830	1.61E-04	6.13E-04	0.00E+00	1.82E-04	8.91E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.09E-05	0.00E+00
5246	440722	3768815	1.61E-04	6.24E-04	0.00E+00	1.82E-04	9.07E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.19E-05	0.00E+00
5247	441260.9	3769331	1.61E-04	3.28E-04	0.00E+00	1.82E-04	4.77E-04	0.00E+00	3.05E-05	8.14E-05	0.00E+00	1.33E-05	3.26E-05	0.00E+00
5248	441277	3769331	1.61E-04	3.33E-04	0.00E+00	1.82E-04	4.84E-04	0.00E+00	3.05E-05	8.25E-05	0.00E+00	1.33E-05	3.30E-05	0.00E+00
5249	441185.8	3769344	1.61E-04	3.07E-04	0.00E+00	1.82E-04	4.46E-04	0.00E+00	3.05E-05	7.61E-05	0.00E+00	1.33E-05	3.05E-05	0.00E+00
5250	441170.9	3769338	1.61E-04	3.10E-04	0.00E+00	1.82E-04	4.51E-04	0.00E+00	3.05E-05	7.68E-05	0.00E+00	1.33E-05	3.08E-05	0.00E+00
5251	441156	3769331	1.61E-04	3.13E-04	0.00E+00	1.82E-04	4.55E-04	0.00E+00	3.05E-05	7.77E-05	0.00E+00	1.33E-05	3.11E-05	0.00E+00
5252	441141.1	3769325	1.61E-04	3.17E-04	0.00E+00	1.82E-04	4.60E-04	0.00E+00	3.05E-05	7.84E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
5253	441126.2	3769319	1.61E-04	3.18E-04	0.00E+00	1.82E-04	4.63E-04	0.00E+00	3.05E-05	7.89E-05	0.00E+00	1.33E-05	3.16E-05	0.00E+00
5254	441111.3	3769313	1.61E-04	3.20E-04	0.00E+00	1.82E-04	4.65E-04	0.00E+00	3.05E-05	7.93E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00
5255	440796.8	3769091	1.61E-04	3.79E-04	0.00E+00	1.82E-04	5.50E-04	0.00E+00	3.05E-05	9.38E-05	0.00E+00	1.33E-05	3.76E-05	0.00E+00
5256	440790.6	3769076	1.61E-04	3.88E-04	0.00E+00	1.82E-04	5.65E-04	0.00E+00	3.05E-05	9.62E-05	0.00E+00	1.33E-05	3.86E-05	0.00E+00
5257	440784.4	3769061	1.61E-04	3.98E-04	0.00E+00	1.82E-04	5.79E-04	0.00E+00	3.05E-05	9.87E-05	0.00E+00	1.33E-05	3.95E-05	0.00E+00
5258	440778.2	3769046	1.61E-04	4.08E-04	0.00E+00	1.82E-04	5.93E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.05E-05	0.00E+00
5259	440753.4	3768987	1.61E-04	4.50E-04	0.00E+00	1.82E-04	6.53E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
5260	440747.2	3768972	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.69E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.57E-05	0.00E+00
5261	440741	3768957	1.61E-04	4.71E-04	0.00E+00	1.82E-04	6.85E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.68E-05	0.00E+00
5262	440703.8	3768868	1.61E-04	5.36E-04	0.00E+00	1.82E-04	7.79E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.32E-05	0.00E+00
5263	440697.6	3768853	1.61E-04	5.46E-04	0.00E+00	1.82E-04	7.94E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.42E-05	0.00E+00
5264	440691.4	3768838	1.61E-04	5.56E-04	0.00E+00	1.82E-04	8.08E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.52E-05	0.00E+00
5265	440685.2	3768823	1.61E-04	5.65E-04	0.00E+00	1.82E-04	8.22E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.61E-05	0.00E+00
5266	440679	3768808	1.61E-04	5.75E-04	0.00E+00	1.82E-04	8.35E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.70E-05	0.00E+00
5267	441245.4	3769408	1.61E-04	2.71E-04	0.00E+00	1.82E-04	3.93E-04	0.00E+00	3.05E-05	6.71E-05	0.00E+00	1.33E-05	2.69E-05	0.00E+00
5268	441230.5	3769402	1.61E-04	2.72E-04	0.00E+00	1.82E-04	3.95E-04	0.00E+00	3.05E-05	6.73E-05	0.00E+00	1.33E-05	2.70E-05	0.00E+00
5269	441215.7	3769396	1.61E-04	2.74E-04	0.00E+00	1.82E-04	3.98E-04	0.00E+00	3.05E-05	6.78E-05	0.00E+00	1.33E-05	2.72E-05	0.00E+00
5270	441126.7	3769359	1.61E-04	2.87E-04	0.00E+00	1.82E-04	4.17E-04	0.00E+00	3.05E-05	7.10E-05	0.00E+00	1.33E-05	2.84E-05	0.00E+00
5271	441111.8	3769353	1.61E-04	2.89E-04	0.00E+00	1.82E-04	4.21E-04	0.00E+00	3.05E-05	7.17E-05	0.00E+00	1.33E-05	2.87E-05	0.00E+00
5272	441097	3769347	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.24E-04	0.00E+00	3.05E-05	7.23E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
5273	441082.2	3769341	1.61E-04	2.93E-04	0.00E+00	1.82E-04	4.26E-04	0.00E+00	3.05E-05	7.27E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
5274	441067.3	3769335	1.61E-04	2.95E-04	0.00E+00	1.82E-04	4.29E-04	0.00E+00	3.05E-05	7.31E-05	0.00E+00	1.33E-05	2.93E-05	0.00E+00
5275	441052.5	3769329	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.30E-04	0.00E+00	3.05E-05	7.33E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
5276	441037.6	3769323	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.30E-04	0.00E+00	3.05E-05	7.33E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
5277	440963.4	3769292	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.25E-04	0.00E+00	3.05E-05	7.24E-05	0.00E+00	1.33E-05	2.90E-05	0.00E+00

5278	440948.6	3769286	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.25E-04	0.00E+00	3.05E-05	7.24E-05	0.00E+00	1.33E-05	2.90E-05	0.00E+00
5279	440933.8	3769280	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.24E-04	0.00E+00	3.05E-05	7.23E-05	0.00E+00	1.33E-05	2.90E-05	0.00E+00
5280	440918.9	3769273	1.61E-04	2.91E-04	0.00E+00	1.82E-04	4.23E-04	0.00E+00	3.05E-05	7.21E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
5281	440904.1	3769267	1.61E-04	2.90E-04	0.00E+00	1.82E-04	4.22E-04	0.00E+00	3.05E-05	7.20E-05	0.00E+00	1.33E-05	2.88E-05	0.00E+00
5282	440787.3	3769164	1.61E-04	3.13E-04	0.00E+00	1.82E-04	4.55E-04	0.00E+00	3.05E-05	7.76E-05	0.00E+00	1.33E-05	3.11E-05	0.00E+00
5283	440781.1	3769149	1.61E-04	3.25E-04	0.00E+00	1.82E-04	4.72E-04	0.00E+00	3.05E-05	8.05E-05	0.00E+00	1.33E-05	3.23E-05	0.00E+00
5284	440774.9	3769134	1.61E-04	3.33E-04	0.00E+00	1.82E-04	4.84E-04	0.00E+00	3.05E-05	8.25E-05	0.00E+00	1.33E-05	3.30E-05	0.00E+00
5285	440768.7	3769119	1.61E-04	3.41E-04	0.00E+00	1.82E-04	4.96E-04	0.00E+00	3.05E-05	8.45E-05	0.00E+00	1.33E-05	3.38E-05	0.00E+00
5286	440762.5	3769105	1.61E-04	3.49E-04	0.00E+00	1.82E-04	5.08E-04	0.00E+00	3.05E-05	8.65E-05	0.00E+00	1.33E-05	3.47E-05	0.00E+00
5287	440756.4	3769090	1.61E-04	3.58E-04	0.00E+00	1.82E-04	5.20E-04	0.00E+00	3.05E-05	8.86E-05	0.00E+00	1.33E-05	3.55E-05	0.00E+00
5288	440750.2	3769075	1.61E-04	3.66E-04	0.00E+00	1.82E-04	5.32E-04	0.00E+00	3.05E-05	9.08E-05	0.00E+00	1.33E-05	3.64E-05	0.00E+00
5289	440744	3769060	1.61E-04	3.75E-04	0.00E+00	1.82E-04	5.45E-04	0.00E+00	3.05E-05	9.29E-05	0.00E+00	1.33E-05	3.72E-05	0.00E+00
5290	440737.8	3769045	1.61E-04	3.84E-04	0.00E+00	1.82E-04	5.58E-04	0.00E+00	3.05E-05	9.51E-05	0.00E+00	1.33E-05	3.81E-05	0.00E+00
5291	440713.1	3768986	1.61E-04	4.20E-04	0.00E+00	1.82E-04	6.10E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.17E-05	0.00E+00
5292	440706.9	3768971	1.61E-04	4.29E-04	0.00E+00	1.82E-04	6.24E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.26E-05	0.00E+00
5293	440700.8	3768956	1.61E-04	4.39E-04	0.00E+00	1.82E-04	6.38E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.36E-05	0.00E+00
5294	440694.6	3768942	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.52E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.45E-05	0.00E+00
5295	440688.4	3768927	1.61E-04	4.58E-04	0.00E+00	1.82E-04	6.66E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.55E-05	0.00E+00
5296	440682.2	3768912	1.61E-04	4.67E-04	0.00E+00	1.82E-04	6.79E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.64E-05	0.00E+00
5297	440676.1	3768897	1.61E-04	4.76E-04	0.00E+00	1.82E-04	6.93E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.73E-05	0.00E+00
5298	440663.7	3768867	1.61E-04	4.94E-04	0.00E+00	1.82E-04	7.18E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.91E-05	0.00E+00
5299	440657.5	3768853	1.61E-04	5.03E-04	0.00E+00	1.82E-04	7.31E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	4.99E-05	0.00E+00
5300	440651.3	3768838	1.61E-04	5.11E-04	0.00E+00	1.82E-04	7.42E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.07E-05	0.00E+00
5301	440645.2	3768823	1.61E-04	5.19E-04	0.00E+00	1.82E-04	7.54E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.15E-05	0.00E+00
5302	440639	3768808	1.61E-04	5.27E-04	0.00E+00	1.82E-04	7.66E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.23E-05	0.00E+00
5303	441260.9	3769411	1.61E-04	2.73E-04	0.00E+00	1.82E-04	3.96E-04	0.00E+00	3.05E-05	6.76E-05	0.00E+00	1.33E-05	2.71E-05	0.00E+00
5304	441277	3769411	1.61E-04	2.76E-04	0.00E+00	1.82E-04	4.01E-04	0.00E+00	3.05E-05	6.84E-05	0.00E+00	1.33E-05	2.74E-05	0.00E+00
5305	441245.4	3769448	1.61E-04	2.48E-04	0.00E+00	1.82E-04	3.60E-04	0.00E+00	3.05E-05	6.14E-05	0.00E+00	1.33E-05	2.46E-05	0.00E+00
5306	441230.6	3769442	1.61E-04	2.49E-04	0.00E+00	1.82E-04	3.62E-04	0.00E+00	3.05E-05	6.17E-05	0.00E+00	1.33E-05	2.47E-05	0.00E+00
5307	441215.8	3769436	1.61E-04	2.51E-04	0.00E+00	1.82E-04	3.64E-04	0.00E+00	3.05E-05	6.21E-05	0.00E+00	1.33E-05	2.49E-05	0.00E+00
5308	441186.2	3769424	1.61E-04	2.54E-04	0.00E+00	1.82E-04	3.69E-04	0.00E+00	3.05E-05	6.29E-05	0.00E+00	1.33E-05	2.52E-05	0.00E+00
5309	441171.4	3769418	1.61E-04	2.56E-04	0.00E+00	1.82E-04	3.72E-04	0.00E+00	3.05E-05	6.34E-05	0.00E+00	1.33E-05	2.54E-05	0.00E+00
5310	441156.6	3769412	1.61E-04	2.58E-04	0.00E+00	1.82E-04	3.75E-04	0.00E+00	3.05E-05	6.40E-05	0.00E+00	1.33E-05	2.56E-05	0.00E+00
5311	441141.9	3769406	1.61E-04	2.60E-04	0.00E+00	1.82E-04	3.78E-04	0.00E+00	3.05E-05	6.45E-05	0.00E+00	1.33E-05	2.58E-05	0.00E+00
5312	441127.1	3769399	1.61E-04	2.62E-04	0.00E+00	1.82E-04	3.81E-04	0.00E+00	3.05E-05	6.49E-05	0.00E+00	1.33E-05	2.60E-05	0.00E+00
5313	441112.3	3769393	1.61E-04	2.64E-04	0.00E+00	1.82E-04	3.83E-04	0.00E+00	3.05E-05	6.53E-05	0.00E+00	1.33E-05	2.62E-05	0.00E+00
5314	441097.5	3769387	1.61E-04	2.65E-04	0.00E+00	1.82E-04	3.86E-04	0.00E+00	3.05E-05	6.57E-05	0.00E+00	1.33E-05	2.63E-05	0.00E+00
5315	441023.5	3769357	1.61E-04	2.71E-04	0.00E+00	1.82E-04	3.94E-04	0.00E+00	3.05E-05	6.72E-05	0.00E+00	1.33E-05	2.69E-05	0.00E+00
5316	441008.7	3769351	1.61E-04	2.71E-04	0.00E+00	1.82E-04	3.95E-04	0.00E+00	3.05E-05	6.73E-05	0.00E+00	1.33E-05	2.70E-05	0.00E+00
5317	440993.9	3769344	1.61E-04	2.71E-04	0.00E+00	1.82E-04	3.94E-04	0.00E+00	3.05E-05	6.72E-05	0.00E+00	1.33E-05	2.69E-05	0.00E+00
5318	440979.1	3769338	1.61E-04	2.71E-04	0.00E+00	1.82E-04	3.93E-04	0.00E+00	3.05E-05	6.71E-05	0.00E+00	1.33E-05	2.69E-05	0.00E+00
5319	440905.2	3769308	1.61E-04	2.68E-04	0.00E+00	1.82E-04	3.90E-04	0.00E+00	3.05E-05	6.65E-05	0.00E+00	1.33E-05	2.66E-05	0.00E+00
5320	440890.4	3769302	1.61E-04	2.67E-04	0.00E+00	1.82E-04	3.89E-04	0.00E+00	3.05E-05	6.63E-05	0.00E+00	1.33E-05	2.66E-05	0.00E+00
5321	440875.6	3769296	1.61E-04	2.67E-04	0.00E+00	1.82E-04	3.88E-04	0.00E+00	3.05E-05	6.61E-05	0.00E+00	1.33E-05	2.65E-05	0.00E+00
5322	440860.8	3769289	1.61E-04	2.66E-04	0.00E+00	1.82E-04	3.86E-04	0.00E+00	3.05E-05	6.58E-05	0.00E+00	1.33E-05	2.64E-05	0.00E+00
5323	440846	3769283	1.61E-04	2.64E-04	0.00E+00	1.82E-04	3.83E-04	0.00E+00	3.05E-05	6.54E-05	0.00E+00	1.33E-05	2.62E-05	0.00E+00
5324	440831.2	3769277	1.61E-04	2.61E-04	0.00E+00	1.82E-04	3.80E-04	0.00E+00	3.05E-05	6.48E-05	0.00E+00	1.33E-05	2.59E-05	0.00E+00
5325	440746.8	3769163	1.61E-04	3.02E-04	0.00E+00	1.82E-04	4.40E-04	0.00E+00	3.05E-05	7.50E-05	0.00E+00	1.33E-05	3.00E-05	0.00E+00
5326	440740.6	3769148	1.61E-04	3.09E-04	0.00E+00	1.82E-04	4.49E-04	0.00E+00	3.05E-05	7.66E-05	0.00E+00	1.33E-05	3.07E-05	0.00E+00
5327	440734.5	3769133	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.60E-04	0.00E+00	3.05E-05	7.84E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
5328	440728.3	3769118	1.61E-04	3.24E-04	0.00E+00	1.82E-04	4.70E-04	0.00E+00	3.05E-05	8.02E-05	0.00E+00	1.33E-05	3.21E-05	0.00E+00
5329	440722.1	3769104	1.61E-04	3.31E-04	0.00E+00	1.82E-04	4.81E-04	0.00E+00	3.05E-05	8.20E-05	0.00E+00	1.33E-05	3.29E-05	0.00E+00
5330	440716	3769089	1.61E-04	3.38E-04	0.00E+00	1.82E-04	4.92E-04	0.00E+00	3.05E-05	8.39E-05	0.00E+00	1.33E-05	3.36E-05	0.00E+00
5331	440709.8	3769074	1.61E-04	3.46E-04	0.00E+00	1.82E-04	5.03E-04	0.00E+00	3.05E-05	8.57E-05	0.00E+00	1.33E-05	3.43E-05	0.00E+00
5332	440703.7	3769059	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.14E-04	0.00E+00	3.05E-05	8.76E-05	0.00E+00	1.33E-05	3.51E-05	0.00E+00
5333	440672.9	3768986	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.71E-04	0.00E+00	3.05E-05	9.74E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
5334	440666.7	3768971	1.61E-04	4.01E-04	0.00E+00	1.82E-04	5.83E-04	0.00E+00	3.05E-05	9.95E-05	0.00E+00	1.33E-05	3.98E-05	0.00E+00
5335	440660.6	3768956	1.61E-04	4.10E-04	0.00E+00	1.82E-04	5.95E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.07E-05	0.00E+00
5336	440654.4	3768941	1.61E-04	4.18E-04	0.00E+00	1.82E-04	6.08E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.15E-05	0.00E+00
5337	440648.2	3768926	1.61E-04	4.26E-04	0.00E+00	1.82E-04	6.20E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.23E-05	0.00E+00
5338	440642.1	3768912	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.32E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
5339	440635.9	3768897	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.43E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
5340	440623.6	3768867	1.61E-04	4.57E-04	0.00E+00	1.82E-04	6.65E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.54E-05	0.00E+00
5341	440617.4	3768853	1.61E-04	4.64E-04	0.00E+00	1.82E-04	6.75E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.61E-05	0.00E+00
5342	440611.3	3768838	1.61E-04	4.71E-04	0.00E+00	1.82E-04	6.84E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.67E-05	0.00E+00
5343	440605.1	3768823	1.61E-04	4.78E-04	0.00E+00	1.82E-04	6.95E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.75E-05	0.00E+00
5344	440599	3768808	1.61E-04	4.85E-04	0.00E+00	1.82E-04	7.06E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.82E-05	0.00E+00
5345	441260.9	3769451	1.61E-04	2.50E-04	0.00E+00	1.82E-04	3.63E-04	0.00E+00	3.05E-05	6.18E-05	0.00E+00	1.33E-05	2.48E-05	0.00E+00
5346	441277	3769451	1.61E-04	2.52E-04	0.00E+00	1.82E-04	3.67E-04	0.00E+00	3.05E-05	6.26E-05	0.00E+00	1.33E-05	2.51E-05	0.00E+00
5347	441186.4	3769464	1.61E-04	2.33E-04	0.00E+00	1.82E-04	3.39E-04	0.00E+00	3.05E-05	5.78E-05	0.00E+00	1.33E-05	2.32E-05	0.00E+00
5348	441171.7	3769458	1.61E-04	2.35E-04	0.00E+00	1.82E-04	3.42E-04	0.00E+00	3.05E-05	5.82E-05	0.00E+00	1.33E-05	2.33E-05	0.00E+00
5349	441156.9	3769452	1.61E-04	2.37E-04	0.00E+00	1.82E-04	3.45E-04	0.00E+00	3.05E-05	5.87E-05	0.00E+00	1.33E-05	2.35E-05	0.00E+00
5350	441142.2	3769446	1.61E-04	2.39E-04	0.00E+00	1.82E-04	3.47E-04	0.00E+00	3.05E-05	5.92E-05	0.00E+00	1.33E-05	2.37E-05	0.00E+00
5351	441127.4	3769440	1.61E-04	2.41E-04	0.00E+00	1.82E-04	3.50E-04	0.00E+00	3.05E-05	5.97E-05	0.00E+00	1.33E-05	2.39E-05	0.00E+00
5352	441112.7	3769434	1.61E-04	2.43E-04	0.00E+00	1.82E-04	3.53E-04	0.00E+00	3.05E-05	6.01E-05	0.00E+00	1.33E-05	2.41E-05	0.00E+00
5353	441097.9	3769427	1.61E-04	2.44E-04	0.00E+00	1.82E-04	3.54E-04	0.00E+00	3.05E-05	6.04E-05	0.00E+00	1.33E-05	2.42E-05	0.00E+00
5354	441083.1	3769421	1.61E-04	2.45E-04	0.00E+00	1.82E-04	3.56E-04	0.00E+00	3.05E-05	6.07E-05	0.00E+00	1.33E-05	2.43E-05	0.00E+00
5355	441068.4	3769415	1.61E-04	2.46E-04	0.00E+00	1.82E-04	3.58E-04	0.00E+00	3.05E-05	6.10E-05	0.00E+00	1.33E-05	2.44E-05	0.00E+00
5356	441053.6	3769409	1.61E-04	2.47E-04	0.00E+00	1.82E-04	3.59E-04	0.00E+00	3.05E-05	6.13E-05	0.00E+00	1.33E-05	2.45E-05	0.00E+00
5357	441038.9	3769403	1.61E-04	2.49E-04	0.00E+00	1.82E-04	3.61E-04	0.00E+00	3.05E-05	6.16E-05	0.00E+00	1.33E-05	2.47E-05	0.00E+00
5358	440935.6	3769360	1.61E-04	2.49E-04	0.00E+00	1.82E-04	3.62E-04	0.00E+00	3.05E-05	6.17E-05	0.00E+00	1.33E-05	2.47E-05	0.00E+00
5359	440920.9	3769354	1.61E-04	2.48E-04	0.00E+00	1.82E-04	3.61E-04	0.00E+00	3.05E-05	6.15E-05	0.00E+00	1.33E-05	2.46E-05	0.00E+00
5360	440906.1	3769348	1.61E-04	2.48E-04	0.00E+00	1.82E-04	3.60E-04	0.00E+00	3.05E-05	6.14E-05	0.00E+00	1.33E-05	2.46E-05	0.00E+00
5361	440891.4	3769342	1.61E-04	2.47E-04	0.00E+00	1.82E-04	3.58E-04	0.00E+00	3.05E-05	6.11E-05	0.00E+00	1.33E-05	2.45E-05	0.00E+00
5362	440876.6	3769336	1.61E-04	2.46E-04	0.00E+00	1.82E-04	3.57E-04	0.00E+00	3.05E-05	6.09E-05	0.00E+00	1.33E-05	2.44E-05	0.00E+00
5363	440861.8	3769330	1.61E-04	2.45E-04	0.00E+00	1.82E-04	3.57E-04	0.00E+00	3.05E-05	6.08E-05	0.00E+00	1.33E-05	2.44E-05	0.00E+00
5364	440847.1	3769324	1.61E-04	2.45E-04	0.00E+00	1.82E-04	3.55E-04	0.00E+00	3.05E-05	6.06E-05	0.00E+00	1.33E-05	2.43E-05	0.00E+00
5365	440832.3	3769318	1.61E-04	2.43E-04	0.00E+00	1.82E-04	3.53E-04	0.00E+00	3.05E-05	6.02E-05	0.00E+00	1.33E-05	2.41E-05	0.00E+00
5366	440802.8	3769305	1.61E-04	2.40E-04	0.00E+00	1.82E-04	3.49E-04	0.00E+00	3.05E-05	5.95E-05	0.00E+00	1.33E-05	2.38E-05	0.00E+00
5367	440788.1	3769299	1.61E-04	2.39E-04	0.00E+00	1.82E-04	3.47E-04	0.00E+00	3.05E-05	5.92E-05	0.00E+00	1.33E-05	2.37E-05	0.00E+00
5368	440706.4	3769162	1.61E-04	2.85E-04	0.00E+00	1.82E-04	4.14E-04	0.00E+00	3.05E-05	7.05E-05	0.00E+00	1.33E-05	2.83E-05	0.00E+00
5369	440700.2	3769147	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.28E-04	0.00E+00	3.05E-05	7.29E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
5370	440694.1	3769132	1.61E-04	3.01E-04	0.00E+00	1.82E-04	4.37E-04	0.00E+00	3.05E-05	7.45E-05	0.00E+00	1.33E-05	2.99E-05	0.00E+00
5371	440687.9	3769118	1.61E-04	3.07E-04	0.00E+00	1.82E-04	4.47E-04	0.00E+00	3.05E-05	7.61E-05	0.00E+00	1.33E-05	3.05E-05	0.00E+00
5372	440681.8	3769103	1.61E-04	3.14E-04	0.00E+00	1.82E-04	4.56E-04	0.00E+00	3.05E-05	7.78E-05	0.00E+00	1.33E-05	3.12E-05	0.00E+00
5373	440675.7	3769088	1.61E-04	3.20E-04	0.00E+00	1.82E-04	4.66E-04	0.00E+00	3.05E-05	7.94E-05	0.00E+00	1.33E-05	3.18E-05	0.00E+00

5374	440669.5	3769074	1.61E-04	3.27E-04	0.00E+00	1.82E-04	4.75E-04	0.00E+00	3.05E-05	8.11E-05	0.00E+00	1.33E-05	3.25E-05	0.00E+00
5375	440663.4	3769059	1.61E-04	3.34E-04	0.00E+00	1.82E-04	4.85E-04	0.00E+00	3.05E-05	8.28E-05	0.00E+00	1.33E-05	3.32E-05	0.00E+00
5376	440632.7	3768985	1.61E-04	3.69E-04	0.00E+00	1.82E-04	5.37E-04	0.00E+00	3.05E-05	9.15E-05	0.00E+00	1.33E-05	3.67E-05	0.00E+00
5377	440626.5	3768970	1.61E-04	3.76E-04	0.00E+00	1.82E-04	5.47E-04	0.00E+00	3.05E-05	9.33E-05	0.00E+00	1.33E-05	3.74E-05	0.00E+00
5378	440620.4	3768956	1.61E-04	3.83E-04	0.00E+00	1.82E-04	5.57E-04	0.00E+00	3.05E-05	9.50E-05	0.00E+00	1.33E-05	3.81E-05	0.00E+00
5379	440614.2	3768941	1.61E-04	3.91E-04	0.00E+00	1.82E-04	5.68E-04	0.00E+00	3.05E-05	9.68E-05	0.00E+00	1.33E-05	3.88E-05	0.00E+00
5380	440608.1	3768926	1.61E-04	3.98E-04	0.00E+00	1.82E-04	5.78E-04	0.00E+00	3.05E-05	9.86E-05	0.00E+00	1.33E-05	3.95E-05	0.00E+00
5381	440601.9	3768911	1.61E-04	4.05E-04	0.00E+00	1.82E-04	5.88E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.02E-05	0.00E+00
5382	441098.3	3769468	1.61E-04	2.25E-04	0.00E+00	1.82E-04	3.27E-04	0.00E+00	3.05E-05	5.57E-05	0.00E+00	1.33E-05	2.23E-05	0.00E+00
5383	441083.6	3769461	1.61E-04	2.26E-04	0.00E+00	1.82E-04	3.28E-04	0.00E+00	3.05E-05	5.59E-05	0.00E+00	1.33E-05	2.24E-05	0.00E+00
5384	441068.8	3769455	1.61E-04	2.26E-04	0.00E+00	1.82E-04	3.29E-04	0.00E+00	3.05E-05	5.61E-05	0.00E+00	1.33E-05	2.25E-05	0.00E+00
5385	441054.1	3769449	1.61E-04	2.27E-04	0.00E+00	1.82E-04	3.30E-04	0.00E+00	3.05E-05	5.63E-05	0.00E+00	1.33E-05	2.26E-05	0.00E+00
5386	441039.4	3769443	1.61E-04	2.28E-04	0.00E+00	1.82E-04	3.31E-04	0.00E+00	3.05E-05	5.65E-05	0.00E+00	1.33E-05	2.26E-05	0.00E+00
5387	440921.7	3769395	1.61E-04	2.30E-04	0.00E+00	1.82E-04	3.35E-04	0.00E+00	3.05E-05	5.71E-05	0.00E+00	1.33E-05	2.29E-05	0.00E+00
5388	440906.9	3769388	1.61E-04	2.30E-04	0.00E+00	1.82E-04	3.34E-04	0.00E+00	3.05E-05	5.69E-05	0.00E+00	1.33E-05	2.28E-05	0.00E+00
5389	440803.9	3769346	1.61E-04	2.25E-04	0.00E+00	1.82E-04	3.27E-04	0.00E+00	3.05E-05	5.58E-05	0.00E+00	1.33E-05	2.23E-05	0.00E+00
5390	440789.2	3769340	1.61E-04	2.24E-04	0.00E+00	1.82E-04	3.25E-04	0.00E+00	3.05E-05	5.54E-05	0.00E+00	1.33E-05	2.22E-05	0.00E+00
5391	440774.5	3769334	1.61E-04	2.22E-04	0.00E+00	1.82E-04	3.23E-04	0.00E+00	3.05E-05	5.51E-05	0.00E+00	1.33E-05	2.21E-05	0.00E+00
5392	440759.8	3769328	1.61E-04	2.21E-04	0.00E+00	1.82E-04	3.22E-04	0.00E+00	3.05E-05	5.48E-05	0.00E+00	1.33E-05	2.20E-05	0.00E+00
5393	440666	3769161	1.61E-04	2.75E-04	0.00E+00	1.82E-04	4.00E-04	0.00E+00	3.05E-05	6.82E-05	0.00E+00	1.33E-05	2.73E-05	0.00E+00
5394	440659.9	3769146	1.61E-04	2.81E-04	0.00E+00	1.82E-04	4.08E-04	0.00E+00	3.05E-05	6.96E-05	0.00E+00	1.33E-05	2.79E-05	0.00E+00
5395	440653.7	3769132	1.61E-04	2.86E-04	0.00E+00	1.82E-04	4.16E-04	0.00E+00	3.05E-05	7.10E-05	0.00E+00	1.33E-05	2.84E-05	0.00E+00
5396	440647.6	3769117	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.25E-04	0.00E+00	3.05E-05	7.24E-05	0.00E+00	1.33E-05	2.90E-05	0.00E+00
5397	440641.5	3769102	1.61E-04	2.98E-04	0.00E+00	1.82E-04	4.33E-04	0.00E+00	3.05E-05	7.38E-05	0.00E+00	1.33E-05	2.96E-05	0.00E+00
5398	440635.4	3769088	1.61E-04	3.04E-04	0.00E+00	1.82E-04	4.42E-04	0.00E+00	3.05E-05	7.53E-05	0.00E+00	1.33E-05	3.02E-05	0.00E+00
5399	440629.2	3769073	1.61E-04	3.10E-04	0.00E+00	1.82E-04	4.51E-04	0.00E+00	3.05E-05	7.69E-05	0.00E+00	1.33E-05	3.08E-05	0.00E+00
5400	440623.1	3769058	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.60E-04	0.00E+00	3.05E-05	7.84E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
5401	440574.1	3768941	1.61E-04	3.66E-04	0.00E+00	1.82E-04	5.32E-04	0.00E+00	3.05E-05	9.07E-05	0.00E+00	1.33E-05	3.63E-05	0.00E+00
5402	440568	3768926	1.61E-04	3.72E-04	0.00E+00	1.82E-04	5.41E-04	0.00E+00	3.05E-05	9.22E-05	0.00E+00	1.33E-05	3.70E-05	0.00E+00
5403	440561.8	3768911	1.61E-04	3.78E-04	0.00E+00	1.82E-04	5.50E-04	0.00E+00	3.05E-05	9.38E-05	0.00E+00	1.33E-05	3.76E-05	0.00E+00
5404	440555.7	3768897	1.61E-04	3.84E-04	0.00E+00	1.82E-04	5.59E-04	0.00E+00	3.05E-05	9.53E-05	0.00E+00	1.33E-05	3.82E-05	0.00E+00
5405	441170.9	3769538	1.61E-04	2.01E-04	0.00E+00	1.82E-04	2.93E-04	0.00E+00	3.05E-05	4.99E-05	0.00E+00	1.33E-05	2.00E-05	0.00E+00
5406	441156.1	3769531	1.61E-04	2.03E-04	0.00E+00	1.82E-04	2.95E-04	0.00E+00	3.05E-05	5.02E-05	0.00E+00	1.33E-05	2.01E-05	0.00E+00
5407	440903	3769427	1.61E-04	2.14E-04	0.00E+00	1.82E-04	3.12E-04	0.00E+00	3.05E-05	5.31E-05	0.00E+00	1.33E-05	2.13E-05	0.00E+00
5408	440888.1	3769421	1.61E-04	2.14E-04	0.00E+00	1.82E-04	3.11E-04	0.00E+00	3.05E-05	5.30E-05	0.00E+00	1.33E-05	2.12E-05	0.00E+00
5409	440873.3	3769415	1.61E-04	2.13E-04	0.00E+00	1.82E-04	3.10E-04	0.00E+00	3.05E-05	5.29E-05	0.00E+00	1.33E-05	2.12E-05	0.00E+00
5410	440858.4	3769408	1.61E-04	2.12E-04	0.00E+00	1.82E-04	3.08E-04	0.00E+00	3.05E-05	5.26E-05	0.00E+00	1.33E-05	2.11E-05	0.00E+00
5411	440843.5	3769402	1.61E-04	2.12E-04	0.00E+00	1.82E-04	3.08E-04	0.00E+00	3.05E-05	5.24E-05	0.00E+00	1.33E-05	2.10E-05	0.00E+00
5412	440828.6	3769396	1.61E-04	2.12E-04	0.00E+00	1.82E-04	3.08E-04	0.00E+00	3.05E-05	5.24E-05	0.00E+00	1.33E-05	2.10E-05	0.00E+00
5413	440739.3	3769359	1.61E-04	2.07E-04	0.00E+00	1.82E-04	3.00E-04	0.00E+00	3.05E-05	5.12E-05	0.00E+00	1.33E-05	2.05E-05	0.00E+00
5414	440724.4	3769353	1.61E-04	2.05E-04	0.00E+00	1.82E-04	2.98E-04	0.00E+00	3.05E-05	5.09E-05	0.00E+00	1.33E-05	2.04E-05	0.00E+00
5415	440709.5	3769347	1.61E-04	2.04E-04	0.00E+00	1.82E-04	2.96E-04	0.00E+00	3.05E-05	5.05E-05	0.00E+00	1.33E-05	2.02E-05	0.00E+00
5416	440699	3769336	1.61E-04	2.05E-04	0.00E+00	1.82E-04	2.98E-04	0.00E+00	3.05E-05	5.08E-05	0.00E+00	1.33E-05	2.03E-05	0.00E+00
5417	440692.8	3769322	1.61E-04	2.09E-04	0.00E+00	1.82E-04	3.03E-04	0.00E+00	3.05E-05	5.17E-05	0.00E+00	1.33E-05	2.07E-05	0.00E+00
5418	440630.8	3769173	1.61E-04	2.59E-04	0.00E+00	1.82E-04	3.76E-04	0.00E+00	3.05E-05	6.41E-05	0.00E+00	1.33E-05	2.57E-05	0.00E+00
5419	440624.6	3769158	1.61E-04	2.64E-04	0.00E+00	1.82E-04	3.83E-04	0.00E+00	3.05E-05	6.53E-05	0.00E+00	1.33E-05	2.62E-05	0.00E+00
5420	440618.4	3769143	1.61E-04	2.69E-04	0.00E+00	1.82E-04	3.90E-04	0.00E+00	3.05E-05	6.66E-05	0.00E+00	1.33E-05	2.67E-05	0.00E+00
5421	440612.2	3769128	1.61E-04	2.74E-04	0.00E+00	1.82E-04	3.98E-04	0.00E+00	3.05E-05	6.79E-05	0.00E+00	1.33E-05	2.72E-05	0.00E+00
5422	440606	3769113	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.06E-04	0.00E+00	3.05E-05	6.92E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
5423	440599.8	3769099	1.61E-04	2.85E-04	0.00E+00	1.82E-04	4.14E-04	0.00E+00	3.05E-05	7.06E-05	0.00E+00	1.33E-05	2.83E-05	0.00E+00
5424	440593.6	3769084	1.61E-04	2.90E-04	0.00E+00	1.82E-04	4.22E-04	0.00E+00	3.05E-05	7.19E-05	0.00E+00	1.33E-05	2.88E-05	0.00E+00
5425	440587.4	3769069	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.30E-04	0.00E+00	3.05E-05	7.33E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
5426	440581.3	3769054	1.61E-04	3.01E-04	0.00E+00	1.82E-04	4.38E-04	0.00E+00	3.05E-05	7.47E-05	0.00E+00	1.33E-05	2.99E-05	0.00E+00
5427	440575.1	3769039	1.61E-04	3.07E-04	0.00E+00	1.82E-04	4.46E-04	0.00E+00	3.05E-05	7.61E-05	0.00E+00	1.33E-05	3.05E-05	0.00E+00
5428	440556.5	3768994	1.61E-04	3.24E-04	0.00E+00	1.82E-04	4.71E-04	0.00E+00	3.05E-05	8.02E-05	0.00E+00	1.33E-05	3.21E-05	0.00E+00
5429	440550.3	3768980	1.61E-04	3.29E-04	0.00E+00	1.82E-04	4.79E-04	0.00E+00	3.05E-05	8.16E-05	0.00E+00	1.33E-05	3.27E-05	0.00E+00
5430	440544.1	3768965	1.61E-04	3.35E-04	0.00E+00	1.82E-04	4.87E-04	0.00E+00	3.05E-05	8.30E-05	0.00E+00	1.33E-05	3.32E-05	0.00E+00
5431	440889.1	3769461	1.61E-04	2.00E-04	0.00E+00	1.82E-04	2.91E-04	0.00E+00	3.05E-05	4.96E-05	0.00E+00	1.33E-05	1.99E-05	0.00E+00
5432	440874.3	3769455	1.61E-04	2.00E-04	0.00E+00	1.82E-04	2.91E-04	0.00E+00	3.05E-05	4.95E-05	0.00E+00	1.33E-05	1.98E-05	0.00E+00
5433	440859.4	3769449	1.61E-04	1.99E-04	0.00E+00	1.82E-04	2.90E-04	0.00E+00	3.05E-05	4.94E-05	0.00E+00	1.33E-05	1.98E-05	0.00E+00
5434	440844.6	3769443	1.61E-04	1.99E-04	0.00E+00	1.82E-04	2.89E-04	0.00E+00	3.05E-05	4.92E-05	0.00E+00	1.33E-05	1.97E-05	0.00E+00
5435	440829.7	3769437	1.61E-04	1.98E-04	0.00E+00	1.82E-04	2.88E-04	0.00E+00	3.05E-05	4.91E-05	0.00E+00	1.33E-05	1.97E-05	0.00E+00
5436	440800	3769424	1.61E-04	1.97E-04	0.00E+00	1.82E-04	2.87E-04	0.00E+00	3.05E-05	4.89E-05	0.00E+00	1.33E-05	1.96E-05	0.00E+00
5437	440785.2	3769418	1.61E-04	1.97E-04	0.00E+00	1.82E-04	2.86E-04	0.00E+00	3.05E-05	4.87E-05	0.00E+00	1.33E-05	1.95E-05	0.00E+00
5438	440770.3	3769412	1.61E-04	1.96E-04	0.00E+00	1.82E-04	2.85E-04	0.00E+00	3.05E-05	4.85E-05	0.00E+00	1.33E-05	1.94E-05	0.00E+00
5439	440755.5	3769406	1.61E-04	1.95E-04	0.00E+00	1.82E-04	2.83E-04	0.00E+00	3.05E-05	4.83E-05	0.00E+00	1.33E-05	1.94E-05	0.00E+00
5440	440740.7	3769400	1.61E-04	1.94E-04	0.00E+00	1.82E-04	2.82E-04	0.00E+00	3.05E-05	4.81E-05	0.00E+00	1.33E-05	1.93E-05	0.00E+00
5441	440725.8	3769394	1.61E-04	1.93E-04	0.00E+00	1.82E-04	2.81E-04	0.00E+00	3.05E-05	4.78E-05	0.00E+00	1.33E-05	1.92E-05	0.00E+00
5442	440711	3769387	1.61E-04	1.92E-04	0.00E+00	1.82E-04	2.79E-04	0.00E+00	3.05E-05	4.75E-05	0.00E+00	1.33E-05	1.90E-05	0.00E+00
5443	440664.6	3769350	1.61E-04	1.95E-04	0.00E+00	1.82E-04	2.83E-04	0.00E+00	3.05E-05	4.83E-05	0.00E+00	1.33E-05	1.93E-05	0.00E+00
5444	440658.4	3769335	1.61E-04	1.98E-04	0.00E+00	1.82E-04	2.88E-04	0.00E+00	3.05E-05	4.92E-05	0.00E+00	1.33E-05	1.97E-05	0.00E+00
5445	440652.2	3769320	1.61E-04	2.02E-04	0.00E+00	1.82E-04	2.94E-04	0.00E+00	3.05E-05	5.01E-05	0.00E+00	1.33E-05	2.01E-05	0.00E+00
5446	440646	3769305	1.61E-04	2.06E-04	0.00E+00	1.82E-04	2.99E-04	0.00E+00	3.05E-05	5.10E-05	0.00E+00	1.33E-05	2.04E-05	0.00E+00
5447	440639.9	3769291	1.61E-04	2.10E-04	0.00E+00	1.82E-04	3.05E-04	0.00E+00	3.05E-05	5.20E-05	0.00E+00	1.33E-05	2.08E-05	0.00E+00
5448	440633.7	3769276	1.61E-04	2.14E-04	0.00E+00	1.82E-04	3.11E-04	0.00E+00	3.05E-05	5.30E-05	0.00E+00	1.33E-05	2.12E-05	0.00E+00
5449	440627.5	3769261	1.61E-04	2.18E-04	0.00E+00	1.82E-04	3.17E-04	0.00E+00	3.05E-05	5.41E-05	0.00E+00	1.33E-05	2.17E-05	0.00E+00
5450	440621.3	3769246	1.61E-04	2.22E-04	0.00E+00	1.82E-04	3.23E-04	0.00E+00	3.05E-05	5.51E-05	0.00E+00	1.33E-05	2.21E-05	0.00E+00
5451	440590.4	3769172	1.61E-04	2.47E-04	0.00E+00	1.82E-04	3.59E-04	0.00E+00	3.05E-05	6.13E-05	0.00E+00	1.33E-05	2.45E-05	0.00E+00
5452	440584.2	3769157	1.61E-04	2.52E-04	0.00E+00	1.82E-04	3.66E-04	0.00E+00	3.05E-05	6.24E-05	0.00E+00	1.33E-05	2.50E-05	0.00E+00
5453	440578.1	3769142	1.61E-04	2.56E-04	0.00E+00	1.82E-04	3.73E-04	0.00E+00	3.05E-05	6.35E-05	0.00E+00	1.33E-05	2.55E-05	0.00E+00
5454	440571.9	3769128	1.61E-04	2.61E-04	0.00E+00	1.82E-04	3.80E-04	0.00E+00	3.05E-05	6.47E-05	0.00E+00	1.33E-05	2.59E-05	0.00E+00
5455	440565.7	3769113	1.61E-04	2.66E-04	0.00E+00	1.82E-04	3.87E-04	0.00E+00	3.05E-05	6.60E-05	0.00E+00	1.33E-05	2.64E-05	0.00E+00
5456	440559.5	3769098	1.61E-04	2.71E-04	0.00E+00	1.82E-04	3.94E-04	0.00E+00	3.05E-05	6.72E-05	0.00E+00	1.33E-05	2.69E-05	0.00E+00
5457	440553.3	3769083	1.61E-04	2.76E-04	0.00E+00	1.82E-04	4.01E-04	0.00E+00	3.05E-05	6.84E-05	0.00E+00	1.33E-05	2.74E-05	0.00E+00
5458	440547.1	3769068	1.61E-04	2.81E-04	0.00E+00	1.82E-04	4.08E-04	0.00E+00	3.05E-05	6.96E-05	0.00E+00	1.33E-05	2.79E-05	0.00E+00
5459	440541	3769053	1.61E-04	2.86E-04	0.00E+00	1.82E-04	4.15E-04	0.00E+00	3.05E-05	7.08E-05	0.00E+00	1.33E-05	2.84E-05	0.00E+00
5460	440534.8	3769039	1.61E-04	2.91E-04	0.00E+00	1.82E-04	4.23E-04	0.00E+00	3.05E-05	7.21E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
5461	440786.3	3769459	1.61E-04	1.85E-04	0.00E+00	1.82E-04	2.68E-04	0.00E+00	3.05E-05	4.57E-05	0.00E+00	1.33E-05	1.83E-05	0.00E+00
5462	440771.5	3769453	1.61E-04	1.84E-04	0.00E+00	1.82E-04	2.67E-04	0.00E+00	3.05E-05	4.56E-05	0.00E+00	1.33E-05	1.83E-05	0.00E+00
5463	440697.4	3769422	1.61E-04	1.79E-04	0.00E+00	1.82E-04	2.61E-04	0.00E+00	3.05E-05	4.45E-05	0.00E+00	1.33E-05	1.78E-05	0.00E+00
5464	440682.6	3769416	1.61E-04	1.78E-04	0.00E+00	1.82E-04	2.59E-04	0.00E+00	3.05E-05	4.42E-05	0.00E+00	1.33E-05	1.77E-05	0.00E+00
5465	440667.8	3769410	1.61E-04	1.78E-04	0.00E+00	1.82E-04	2.58E-04	0.00E+00	3.05E-05	4.40E-05	0.00E+00	1.33E-05	1.76E-05	0.00E+00
5466	440653	3769404	1.61E-04	1.77E-04	0.00E+00	1.82E-04	2.57E-04	0.00E+00	3.05E-05	4.39E-05	0.00E+00	1.33E-05	1.76E-05	0.00E+00
5467	440642.5	3769393	1.61E-04	1.78E-04	0.00E+00	1.82E-04	2.59E-04	0.00E+00	3.05E-05	4.42E-05	0.00E+00	1.33E-05	1.77E-05	0.00E+00
5468	440624	3769349	1.61E-04	1.89E-04	0.00E+00	1.82E-04	2.74E-04	0.00E+00	3.05E-05	4.68E-05	0.00E+00	1.33E-05	1.87E-05	0.00E+00
5469	440617.9	3769334	1.61E-04	1.92E-04	0.00E+00	1.82E-04	2.80E-04	0.00E+00	3.05E-05	4.77E-05	0.00E+00	1.33E-05	1.91E-05	0.00E+00

5470	440611.7	3769319	1.61E-04	1.98E-04	0.00E+00	1.82E-04	2.88E-04	0.00E+00	3.05E-05	4.91E-05	0.00E+00	1.33E-05	1.97E-05	0.00E+00
5471	440605.5	3769304	1.61E-04	2.02E-04	0.00E+00	1.82E-04	2.93E-04	0.00E+00	3.05E-05	5.00E-05	0.00E+00	1.33E-05	2.00E-05	0.00E+00
5472	440599.4	3769290	1.61E-04	2.05E-04	0.00E+00	1.82E-04	2.99E-04	0.00E+00	3.05E-05	5.09E-05	0.00E+00	1.33E-05	2.04E-05	0.00E+00
5473	440593.2	3769275	1.61E-04	2.09E-04	0.00E+00	1.82E-04	3.04E-04	0.00E+00	3.05E-05	5.18E-05	0.00E+00	1.33E-05	2.07E-05	0.00E+00
5474	440587	3769260	1.61E-04	2.13E-04	0.00E+00	1.82E-04	3.09E-04	0.00E+00	3.05E-05	5.27E-05	0.00E+00	1.33E-05	2.11E-05	0.00E+00
5475	440580.9	3769245	1.61E-04	2.17E-04	0.00E+00	1.82E-04	3.15E-04	0.00E+00	3.05E-05	5.37E-05	0.00E+00	1.33E-05	2.15E-05	0.00E+00
5476	440574.7	3769230	1.61E-04	2.20E-04	0.00E+00	1.82E-04	3.20E-04	0.00E+00	3.05E-05	5.46E-05	0.00E+00	1.33E-05	2.19E-05	0.00E+00
5477	440568.5	3769216	1.61E-04	2.24E-04	0.00E+00	1.82E-04	3.26E-04	0.00E+00	3.05E-05	5.56E-05	0.00E+00	1.33E-05	2.23E-05	0.00E+00
5478	440562.4	3769201	1.61E-04	2.28E-04	0.00E+00	1.82E-04	3.32E-04	0.00E+00	3.05E-05	5.66E-05	0.00E+00	1.33E-05	2.27E-05	0.00E+00
5479	440550	3769171	1.61E-04	2.37E-04	0.00E+00	1.82E-04	3.44E-04	0.00E+00	3.05E-05	5.86E-05	0.00E+00	1.33E-05	2.35E-05	0.00E+00
5480	440543.9	3769156	1.61E-04	2.41E-04	0.00E+00	1.82E-04	3.50E-04	0.00E+00	3.05E-05	5.97E-05	0.00E+00	1.33E-05	2.39E-05	0.00E+00
5481	440537.7	3769142	1.61E-04	2.45E-04	0.00E+00	1.82E-04	3.56E-04	0.00E+00	3.05E-05	6.07E-05	0.00E+00	1.33E-05	2.43E-05	0.00E+00
5482	440531.5	3769127	1.61E-04	2.49E-04	0.00E+00	1.82E-04	3.62E-04	0.00E+00	3.05E-05	6.18E-05	0.00E+00	1.33E-05	2.48E-05	0.00E+00
5483	440525.4	3769112	1.61E-04	2.54E-04	0.00E+00	1.82E-04	3.69E-04	0.00E+00	3.05E-05	6.29E-05	0.00E+00	1.33E-05	2.52E-05	0.00E+00
5484	440519.2	3769097	1.61E-04	2.58E-04	0.00E+00	1.82E-04	3.75E-04	0.00E+00	3.05E-05	6.40E-05	0.00E+00	1.33E-05	2.56E-05	0.00E+00
5485	440513	3769082	1.61E-04	2.62E-04	0.00E+00	1.82E-04	3.82E-04	0.00E+00	3.05E-05	6.50E-05	0.00E+00	1.33E-05	2.61E-05	0.00E+00
5486	440506.9	3769068	1.61E-04	2.67E-04	0.00E+00	1.82E-04	3.88E-04	0.00E+00	3.05E-05	6.61E-05	0.00E+00	1.33E-05	2.65E-05	0.00E+00
5487	440500.7	3769053	1.61E-04	2.71E-04	0.00E+00	1.82E-04	3.94E-04	0.00E+00	3.05E-05	6.73E-05	0.00E+00	1.33E-05	2.69E-05	0.00E+00
5488	440494.5	3769038	1.61E-04	2.76E-04	0.00E+00	1.82E-04	4.01E-04	0.00E+00	3.05E-05	6.84E-05	0.00E+00	1.33E-05	2.74E-05	0.00E+00
5489	440420.6	3768861	1.61E-04	3.28E-04	0.00E+00	1.82E-04	4.76E-04	0.00E+00	3.05E-05	8.12E-05	0.00E+00	1.33E-05	3.25E-05	0.00E+00
5490	441245.4	3769688	1.61E-04	1.57E-04	0.00E+00	1.82E-04	2.28E-04	0.00E+00	3.05E-05	3.89E-05	0.00E+00	1.33E-05	1.56E-05	0.00E+00
5491	441230.6	3769682	1.61E-04	1.58E-04	0.00E+00	1.82E-04	2.30E-04	0.00E+00	3.05E-05	3.91E-05	0.00E+00	1.33E-05	1.57E-05	0.00E+00
5492	440614.3	3769421	1.61E-04	1.68E-04	0.00E+00	1.82E-04	2.44E-04	0.00E+00	3.05E-05	4.15E-05	0.00E+00	1.33E-05	1.66E-05	0.00E+00
5493	440608.1	3769407	1.61E-04	1.70E-04	0.00E+00	1.82E-04	2.48E-04	0.00E+00	3.05E-05	4.22E-05	0.00E+00	1.33E-05	1.69E-05	0.00E+00
5494	440602	3769392	1.61E-04	1.73E-04	0.00E+00	1.82E-04	2.52E-04	0.00E+00	3.05E-05	4.30E-05	0.00E+00	1.33E-05	1.72E-05	0.00E+00
5495	440583.5	3769348	1.61E-04	1.85E-04	0.00E+00	1.82E-04	2.69E-04	0.00E+00	3.05E-05	4.59E-05	0.00E+00	1.33E-05	1.84E-05	0.00E+00
5496	440577.4	3769333	1.61E-04	1.88E-04	0.00E+00	1.82E-04	2.74E-04	0.00E+00	3.05E-05	4.67E-05	0.00E+00	1.33E-05	1.87E-05	0.00E+00
5497	440571.2	3769318	1.61E-04	1.92E-04	0.00E+00	1.82E-04	2.78E-04	0.00E+00	3.05E-05	4.75E-05	0.00E+00	1.33E-05	1.90E-05	0.00E+00
5498	440565.1	3769303	1.61E-04	1.95E-04	0.00E+00	1.82E-04	2.83E-04	0.00E+00	3.05E-05	4.83E-05	0.00E+00	1.33E-05	1.93E-05	0.00E+00
5499	440558.9	3769289	1.61E-04	1.98E-04	0.00E+00	1.82E-04	2.88E-04	0.00E+00	3.05E-05	4.91E-05	0.00E+00	1.33E-05	1.97E-05	0.00E+00
5500	440552.8	3769274	1.61E-04	2.01E-04	0.00E+00	1.82E-04	2.93E-04	0.00E+00	3.05E-05	4.99E-05	0.00E+00	1.33E-05	2.00E-05	0.00E+00
5501	440546.6	3769259	1.61E-04	2.05E-04	0.00E+00	1.82E-04	2.98E-04	0.00E+00	3.05E-05	5.07E-05	0.00E+00	1.33E-05	2.03E-05	0.00E+00
5502	440540.5	3769244	1.61E-04	2.08E-04	0.00E+00	1.82E-04	3.02E-04	0.00E+00	3.05E-05	5.16E-05	0.00E+00	1.33E-05	2.07E-05	0.00E+00
5503	440534.3	3769230	1.61E-04	2.09E-04	0.00E+00	1.82E-04	3.04E-04	0.00E+00	3.05E-05	5.18E-05	0.00E+00	1.33E-05	2.07E-05	0.00E+00
5504	440528.2	3769215	1.61E-04	2.13E-04	0.00E+00	1.82E-04	3.09E-04	0.00E+00	3.05E-05	5.27E-05	0.00E+00	1.33E-05	2.11E-05	0.00E+00
5505	440522	3769200	1.61E-04	2.16E-04	0.00E+00	1.82E-04	3.15E-04	0.00E+00	3.05E-05	5.36E-05	0.00E+00	1.33E-05	2.15E-05	0.00E+00
5506	440509.7	3769171	1.61E-04	2.24E-04	0.00E+00	1.82E-04	3.26E-04	0.00E+00	3.05E-05	5.55E-05	0.00E+00	1.33E-05	2.22E-05	0.00E+00
5507	440503.5	3769156	1.61E-04	2.28E-04	0.00E+00	1.82E-04	3.31E-04	0.00E+00	3.05E-05	5.64E-05	0.00E+00	1.33E-05	2.26E-05	0.00E+00
5508	440497.4	3769141	1.61E-04	2.31E-04	0.00E+00	1.82E-04	3.36E-04	0.00E+00	3.05E-05	5.73E-05	0.00E+00	1.33E-05	2.30E-05	0.00E+00
5509	440491.2	3769126	1.61E-04	2.35E-04	0.00E+00	1.82E-04	3.42E-04	0.00E+00	3.05E-05	5.83E-05	0.00E+00	1.33E-05	2.33E-05	0.00E+00
5510	440485.1	3769111	1.61E-04	2.39E-04	0.00E+00	1.82E-04	3.47E-04	0.00E+00	3.05E-05	5.92E-05	0.00E+00	1.33E-05	2.37E-05	0.00E+00
5511	440478.9	3769097	1.61E-04	2.43E-04	0.00E+00	1.82E-04	3.53E-04	0.00E+00	3.05E-05	6.02E-05	0.00E+00	1.33E-05	2.41E-05	0.00E+00
5512	440472.8	3769082	1.61E-04	2.47E-04	0.00E+00	1.82E-04	3.59E-04	0.00E+00	3.05E-05	6.13E-05	0.00E+00	1.33E-05	2.45E-05	0.00E+00
5513	440466.6	3769067	1.61E-04	2.52E-04	0.00E+00	1.82E-04	3.66E-04	0.00E+00	3.05E-05	6.24E-05	0.00E+00	1.33E-05	2.50E-05	0.00E+00
5514	440460.5	3769052	1.61E-04	2.58E-04	0.00E+00	1.82E-04	3.75E-04	0.00E+00	3.05E-05	6.40E-05	0.00E+00	1.33E-05	2.56E-05	0.00E+00
5515	440454.3	3769038	1.61E-04	2.62E-04	0.00E+00	1.82E-04	3.81E-04	0.00E+00	3.05E-05	6.50E-05	0.00E+00	1.33E-05	2.60E-05	0.00E+00
5516	440435.9	3768993	1.61E-04	2.74E-04	0.00E+00	1.82E-04	3.98E-04	0.00E+00	3.05E-05	6.79E-05	0.00E+00	1.33E-05	2.72E-05	0.00E+00
5517	440429.7	3768979	1.61E-04	2.78E-04	0.00E+00	1.82E-04	4.04E-04	0.00E+00	3.05E-05	6.89E-05	0.00E+00	1.33E-05	2.76E-05	0.00E+00
5518	440423.6	3768964	1.61E-04	2.82E-04	0.00E+00	1.82E-04	4.10E-04	0.00E+00	3.05E-05	6.99E-05	0.00E+00	1.33E-05	2.80E-05	0.00E+00
5519	440417.4	3768949	1.61E-04	2.86E-04	0.00E+00	1.82E-04	4.16E-04	0.00E+00	3.05E-05	7.09E-05	0.00E+00	1.33E-05	2.84E-05	0.00E+00
5520	440411.3	3768934	1.61E-04	2.90E-04	0.00E+00	1.82E-04	4.21E-04	0.00E+00	3.05E-05	7.18E-05	0.00E+00	1.33E-05	2.88E-05	0.00E+00
5521	440386.6	3768875	1.61E-04	3.05E-04	0.00E+00	1.82E-04	4.43E-04	0.00E+00	3.05E-05	7.55E-05	0.00E+00	1.33E-05	3.03E-05	0.00E+00
5522	440380.5	3768861	1.61E-04	3.08E-04	0.00E+00	1.82E-04	4.48E-04	0.00E+00	3.05E-05	7.64E-05	0.00E+00	1.33E-05	3.06E-05	0.00E+00
5523	441260.9	3769691	1.61E-04	1.57E-04	0.00E+00	1.82E-04	2.27E-04	0.00E+00	3.05E-05	3.88E-05	0.00E+00	1.33E-05	1.55E-05	0.00E+00
5524	441277	3769691	1.61E-04	1.57E-04	0.00E+00	1.82E-04	2.29E-04	0.00E+00	3.05E-05	3.90E-05	0.00E+00	1.33E-05	1.56E-05	0.00E+00
5525	441264.9	3768800	1.61E-04	1.32E-02	0.00E+00	1.82E-04	1.93E-02	0.00E+00	3.05E-05	3.28E-03	0.00E+00	1.33E-05	1.32E-03	0.00E+00
5526	441224.9	3768799	1.61E-04	6.46E-03	0.00E+00	1.82E-04	9.39E-03	0.00E+00	3.05E-05	1.60E-03	0.00E+00	1.33E-05	6.42E-04	0.00E+00
5527	441204.9	3768799	1.61E-04	5.13E-03	0.00E+00	1.82E-04	7.46E-03	0.00E+00	3.05E-05	1.27E-03	0.00E+00	1.33E-05	5.09E-04	0.00E+00
5528	441064.9	3768797	1.61E-04	2.03E-03	0.00E+00	1.82E-04	2.95E-03	0.00E+00	3.05E-05	5.04E-04	0.00E+00	1.33E-05	2.02E-04	0.00E+00
5529	441044.9	3768796	1.61E-04	1.85E-03	0.00E+00	1.82E-04	2.69E-03	0.00E+00	3.05E-05	4.59E-04	0.00E+00	1.33E-05	1.84E-04	0.00E+00
5530	441005.1	3768787	1.61E-04	1.61E-03	0.00E+00	1.82E-04	2.34E-03	0.00E+00	3.05E-05	3.99E-04	0.00E+00	1.33E-05	1.60E-04	0.00E+00
5531	440944.8	3768804	1.61E-04	1.21E-03	0.00E+00	1.82E-04	1.75E-03	0.00E+00	3.05E-05	2.99E-04	0.00E+00	1.33E-05	1.20E-04	0.00E+00
5532	440904.8	3768803	1.61E-04	1.06E-03	0.00E+00	1.82E-04	1.54E-03	0.00E+00	3.05E-05	2.62E-04	0.00E+00	1.33E-05	1.05E-04	0.00E+00
5533	440864.8	3768802	1.61E-04	9.35E-04	0.00E+00	1.82E-04	1.36E-03	0.00E+00	3.05E-05	2.32E-04	0.00E+00	1.33E-05	9.28E-05	0.00E+00
5534	440824.8	3768802	1.61E-04	8.35E-04	0.00E+00	1.82E-04	1.21E-03	0.00E+00	3.05E-05	2.07E-04	0.00E+00	1.33E-05	8.29E-05	0.00E+00
5535	440784.8	3768801	1.61E-04	7.51E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.46E-05	0.00E+00
5536	440744.8	3768800	1.61E-04	6.80E-04	0.00E+00	1.82E-04	9.88E-04	0.00E+00	3.05E-05	1.69E-04	0.00E+00	1.33E-05	6.75E-05	0.00E+00
5537	440704.8	3768800	1.61E-04	6.19E-04	0.00E+00	1.82E-04	9.00E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.14E-05	0.00E+00
5538	440664.9	3768799	1.61E-04	5.67E-04	0.00E+00	1.82E-04	8.24E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.63E-05	0.00E+00
5539	440624.9	3768799	1.61E-04	5.20E-04	0.00E+00	1.82E-04	7.56E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.17E-05	0.00E+00
5540	441300.4	3768863	1.61E-04	4.51E-03	0.00E+00	1.82E-04	6.56E-03	0.00E+00	3.05E-05	1.12E-03	0.00E+00	1.33E-05	4.48E-04	0.00E+00
5541	441308	3768881	1.61E-04	3.65E-03	0.00E+00	1.82E-04	5.31E-03	0.00E+00	3.05E-05	9.05E-04	0.00E+00	1.33E-05	3.62E-04	0.00E+00
5542	441291.1	3768880	1.61E-04	3.42E-03	0.00E+00	1.82E-04	4.98E-03	0.00E+00	3.05E-05	8.49E-04	0.00E+00	1.33E-05	3.40E-04	0.00E+00
5543	441298.4	3768898	1.61E-04	2.89E-03	0.00E+00	1.82E-04	4.20E-03	0.00E+00	3.05E-05	7.16E-04	0.00E+00	1.33E-05	2.87E-04	0.00E+00
5544	441196.9	3768830	1.61E-04	3.45E-03	0.00E+00	1.82E-04	5.02E-03	0.00E+00	3.05E-05	8.56E-04	0.00E+00	1.33E-05	3.43E-04	0.00E+00
5545	441177.1	3768830	1.61E-04	3.05E-03	0.00E+00	1.82E-04	4.43E-03	0.00E+00	3.05E-05	7.55E-04	0.00E+00	1.33E-05	3.02E-04	0.00E+00
5546	441215.8	3768926	1.61E-04	1.71E-03	0.00E+00	1.82E-04	2.49E-03	0.00E+00	3.05E-05	4.24E-04	0.00E+00	1.33E-05	1.70E-04	0.00E+00
5547	441169.7	3768854	1.61E-04	2.42E-03	0.00E+00	1.82E-04	3.52E-03	0.00E+00	3.05E-05	6.00E-04	0.00E+00	1.33E-05	2.40E-04	0.00E+00
5548	441294.4	3768951	1.61E-04	1.78E-03	0.00E+00	1.82E-04	2.59E-03	0.00E+00	3.05E-05	4.42E-04	0.00E+00	1.33E-05	1.77E-04	0.00E+00
5549	441222.7	3768944	1.61E-04	1.55E-03	0.00E+00	1.82E-04	2.25E-03	0.00E+00	3.05E-05	3.83E-04	0.00E+00	1.33E-05	1.54E-04	0.00E+00
5550	441179.1	3768910	1.61E-04	1.69E-03	0.00E+00	1.82E-04	2.46E-03	0.00E+00	3.05E-05	4.19E-04	0.00E+00	1.33E-05	1.68E-04	0.00E+00
5551	441149.9	3768854	1.61E-04	2.20E-03	0.00E+00	1.82E-04	3.20E-03	0.00E+00	3.05E-05	5.45E-04	0.00E+00	1.33E-05	2.18E-04	0.00E+00
5552	441293	3768968	1.61E-04	1.57E-03	0.00E+00	1.82E-04	2.27E-03	0.00E+00	3.05E-05	3.88E-04	0.00E+00	1.33E-05	1.55E-04	0.00E+00
5553	441202.8	3768960	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.31E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
5554	441193.7	3768959	1.61E-04	1.31E-03	0.00E+00	1.82E-04	1.91E-03	0.00E+00	3.05E-05	3.25E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
5555	441180.5	3768950	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.94E-03	0.00E+00	3.05E-05	3.30E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
5556	441167.9	3768926	1.61E-04	1.47E-03	0.00E+00	1.82E-04	2.14E-03	0.00E+00	3.05E-05	3.65E-04	0.00E+00	1.33E-05	1.46E-04	0.00E+00
5557	441130	3768854	1.61E-04	2.01E-03	0.00E+00	1.82E-04	2.92E-03	0.00E+00	3.05E-05	4.97E-04	0.00E+00	1.33E-05	1.99E-04	0.00E+00
5558	441291.5	3768986	1.61E-04	1.39E-03	0.00E+00	1.82E-04	2.02E-03	0.00E+00	3.05E-05	3.45E-04	0.00E+00	1.33E-05	1.38E-04	0.00E+00
5559	441191.7	3768977	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.72E-03	0.00E+00	3.05E-05	2.94E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
5560	441169.4	3768967	1.61E-04	1.18E-03	0.00E+00	1.82E-04	1.72E-03	0.00E+00	3.05E-05	2.93E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
5561	441144	3768919	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.08E-03	0.00E+00	3.05E-05	3.55E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
5562	441122.9	3768878	1.61E-04	1.68E-03	0.00E+00	1.82E-04	2.44E-03	0.00E+00	3.05E-05	4.16E-04	0.00E+00	1.33E-05	1.67E-04	0.00E+00
5563	441110.2	3768854	1.61E-04	1.84E-03	0.00E+00	1.82E-04	2.67E-03	0.00E+00	3.05E-05	4.56E-04	0.00E+00	1.33E-05	1.82E-04	0.00E+00
5564	441081.8	3768838	1.61E-04	1.78E-03	0.00E+00	1.82E-04	2.59E-03	0.00E+00	3.05E-05	4.41E-04	0.00E+00	1.33E-05	1.77E-04	0.00E+00
5565	441077.5	3768830	1.61E-04	1.83E-03	0.00E+00	1.82E-04	2.65E-03	0.00E+00	3.05E-05	4.52E-04	0.00E+00	1.33E-05	1.81E-04	0.00E+00

5566	441069	3768813	1.61E-04	1.91E-03	0.00E+00	1.82E-04	2.77E-03	0.00E+00	3.05E-05	4.73E-04	0.00E+00	1.33E-05	1.89E-04	0.00E+00
5567	441121.5	3768951	1.61E-04	1.13E-03	0.00E+00	1.82E-04	1.64E-03	0.00E+00	3.05E-05	2.79E-04	0.00E+00	1.33E-05	1.12E-04	0.00E+00
5568	441117.3	3768943	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.69E-03	0.00E+00	3.05E-05	2.87E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
5569	441113	3768935	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.73E-03	0.00E+00	3.05E-05	2.96E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
5570	441074.6	3768862	1.61E-04	1.52E-03	0.00E+00	1.82E-04	2.22E-03	0.00E+00	3.05E-05	3.78E-04	0.00E+00	1.33E-05	1.51E-04	0.00E+00
5571	441066.1	3768846	1.61E-04	1.60E-03	0.00E+00	1.82E-04	2.33E-03	0.00E+00	3.05E-05	3.97E-04	0.00E+00	1.33E-05	1.59E-04	0.00E+00
5572	441061.9	3768838	1.61E-04	1.64E-03	0.00E+00	1.82E-04	2.38E-03	0.00E+00	3.05E-05	4.06E-04	0.00E+00	1.33E-05	1.63E-04	0.00E+00
5573	441057.6	3768829	1.61E-04	1.68E-03	0.00E+00	1.82E-04	2.44E-03	0.00E+00	3.05E-05	4.15E-04	0.00E+00	1.33E-05	1.66E-04	0.00E+00
5574	441049.1	3768813	1.61E-04	1.75E-03	0.00E+00	1.82E-04	2.54E-03	0.00E+00	3.05E-05	4.33E-04	0.00E+00	1.33E-05	1.73E-04	0.00E+00
5575	441231.9	3769033	1.61E-04	9.54E-04	0.00E+00	1.82E-04	1.39E-03	0.00E+00	3.05E-05	2.36E-04	0.00E+00	1.33E-05	9.47E-05	0.00E+00
5576	441176.9	3769028	1.61E-04	8.90E-04	0.00E+00	1.82E-04	1.29E-03	0.00E+00	3.05E-05	2.20E-04	0.00E+00	1.33E-05	8.83E-05	0.00E+00
5577	441167.7	3769027	1.61E-04	8.78E-04	0.00E+00	1.82E-04	1.28E-03	0.00E+00	3.05E-05	2.18E-04	0.00E+00	1.33E-05	8.72E-05	0.00E+00
5578	441118.9	3768984	1.61E-04	9.63E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.39E-04	0.00E+00	1.33E-05	9.56E-05	0.00E+00
5579	441101.8	3768952	1.61E-04	1.07E-03	0.00E+00	1.82E-04	1.55E-03	0.00E+00	3.05E-05	2.65E-04	0.00E+00	1.33E-05	1.06E-04	0.00E+00
5580	441054.7	3768862	1.61E-04	1.42E-03	0.00E+00	1.82E-04	2.06E-03	0.00E+00	3.05E-05	3.51E-04	0.00E+00	1.33E-05	1.41E-04	0.00E+00
5581	441046.2	3768846	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.15E-03	0.00E+00	3.05E-05	3.67E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
5582	441041.9	3768837	1.61E-04	1.51E-03	0.00E+00	1.82E-04	2.20E-03	0.00E+00	3.05E-05	3.75E-04	0.00E+00	1.33E-05	1.50E-04	0.00E+00
5583	441037.6	3768829	1.61E-04	1.54E-03	0.00E+00	1.82E-04	2.25E-03	0.00E+00	3.05E-05	3.83E-04	0.00E+00	1.33E-05	1.53E-04	0.00E+00
5584	441165.9	3769045	1.61E-04	8.11E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.01E-04	0.00E+00	1.33E-05	8.05E-05	0.00E+00
5585	441120.5	3769025	1.61E-04	8.11E-04	0.00E+00	1.82E-04	1.18E-03	0.00E+00	3.05E-05	2.01E-04	0.00E+00	1.33E-05	8.06E-05	0.00E+00
5586	441094.8	3768976	1.61E-04	9.43E-04	0.00E+00	1.82E-04	1.37E-03	0.00E+00	3.05E-05	2.34E-04	0.00E+00	1.33E-05	9.36E-05	0.00E+00
5587	441022	3768837	1.61E-04	1.40E-03	0.00E+00	1.82E-04	2.04E-03	0.00E+00	3.05E-05	3.48E-04	0.00E+00	1.33E-05	1.39E-04	0.00E+00
5588	441017.7	3768829	1.61E-04	1.43E-03	0.00E+00	1.82E-04	2.08E-03	0.00E+00	3.05E-05	3.54E-04	0.00E+00	1.33E-05	1.42E-04	0.00E+00
5589	441009.1	3768813	1.61E-04	1.48E-03	0.00E+00	1.82E-04	2.15E-03	0.00E+00	3.05E-05	3.67E-04	0.00E+00	1.33E-05	1.47E-04	0.00E+00
5590	441293.1	3769074	1.61E-04	8.63E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.14E-04	0.00E+00	1.33E-05	8.56E-05	0.00E+00
5591	441219.4	3769067	1.61E-04	8.01E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.99E-04	0.00E+00	1.33E-05	7.95E-05	0.00E+00
5592	441210.1	3769067	1.61E-04	7.94E-04	0.00E+00	1.82E-04	1.15E-03	0.00E+00	3.05E-05	1.97E-04	0.00E+00	1.33E-05	7.88E-05	0.00E+00
5593	441164.1	3769062	1.61E-04	7.51E-04	0.00E+00	1.82E-04	1.09E-03	0.00E+00	3.05E-05	1.86E-04	0.00E+00	1.33E-05	7.46E-05	0.00E+00
5594	441154.9	3769062	1.61E-04	7.42E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.37E-05	0.00E+00
5595	441145.6	3769061	1.61E-04	7.34E-04	0.00E+00	1.82E-04	1.07E-03	0.00E+00	3.05E-05	1.82E-04	0.00E+00	1.33E-05	7.28E-05	0.00E+00
5596	441136.4	3769060	1.61E-04	7.25E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.20E-05	0.00E+00
5597	441127.2	3769059	1.61E-04	7.16E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.77E-04	0.00E+00	1.33E-05	7.11E-05	0.00E+00
5598	441113.7	3769050	1.61E-04	7.24E-04	0.00E+00	1.82E-04	1.05E-03	0.00E+00	3.05E-05	1.80E-04	0.00E+00	1.33E-05	7.19E-05	0.00E+00
5599	441109.4	3769042	1.61E-04	7.42E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.84E-04	0.00E+00	1.33E-05	7.37E-05	0.00E+00
5600	441096.5	3769017	1.61E-04	7.99E-04	0.00E+00	1.82E-04	1.16E-03	0.00E+00	3.05E-05	1.98E-04	0.00E+00	1.33E-05	7.93E-05	0.00E+00
5601	441083.6	3768993	1.61E-04	8.58E-04	0.00E+00	1.82E-04	1.25E-03	0.00E+00	3.05E-05	2.13E-04	0.00E+00	1.33E-05	8.52E-05	0.00E+00
5602	441075	3768976	1.61E-04	8.99E-04	0.00E+00	1.82E-04	1.31E-03	0.00E+00	3.05E-05	2.23E-04	0.00E+00	1.33E-05	8.93E-05	0.00E+00
5603	441014.9	3768861	1.61E-04	1.23E-03	0.00E+00	1.82E-04	1.79E-03	0.00E+00	3.05E-05	3.05E-04	0.00E+00	1.33E-05	1.22E-04	0.00E+00
5604	441006.3	3768845	1.61E-04	1.28E-03	0.00E+00	1.82E-04	1.86E-03	0.00E+00	3.05E-05	3.18E-04	0.00E+00	1.33E-05	1.27E-04	0.00E+00
5605	441002	3768837	1.61E-04	1.30E-03	0.00E+00	1.82E-04	1.90E-03	0.00E+00	3.05E-05	3.23E-04	0.00E+00	1.33E-05	1.30E-04	0.00E+00
5606	440997.7	3768829	1.61E-04	1.33E-03	0.00E+00	1.82E-04	1.93E-03	0.00E+00	3.05E-05	3.29E-04	0.00E+00	1.33E-05	1.32E-04	0.00E+00
5607	440989.1	3768812	1.61E-04	1.37E-03	0.00E+00	1.82E-04	2.00E-03	0.00E+00	3.05E-05	3.40E-04	0.00E+00	1.33E-05	1.36E-04	0.00E+00
5608	441234.5	3769104	1.61E-04	7.02E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.97E-05	0.00E+00
5609	441225.3	3769103	1.61E-04	6.96E-04	0.00E+00	1.82E-04	1.01E-03	0.00E+00	3.05E-05	1.73E-04	0.00E+00	1.33E-05	6.91E-05	0.00E+00
5610	441216	3769102	1.61E-04	6.91E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.86E-05	0.00E+00
5611	441206.8	3769102	1.61E-04	6.85E-04	0.00E+00	1.82E-04	9.95E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.80E-05	0.00E+00
5612	441197.5	3769101	1.61E-04	6.78E-04	0.00E+00	1.82E-04	9.86E-04	0.00E+00	3.05E-05	1.68E-04	0.00E+00	1.33E-05	6.73E-05	0.00E+00
5613	441142	3769096	1.61E-04	6.38E-04	0.00E+00	1.82E-04	9.28E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.34E-05	0.00E+00
5614	441132.8	3769095	1.61E-04	6.32E-04	0.00E+00	1.82E-04	9.18E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.27E-05	0.00E+00
5615	441123.5	3769094	1.61E-04	6.25E-04	0.00E+00	1.82E-04	9.09E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.21E-05	0.00E+00
5616	441114.3	3769093	1.61E-04	6.19E-04	0.00E+00	1.82E-04	8.99E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.14E-05	0.00E+00
5617	441105	3769092	1.61E-04	6.12E-04	0.00E+00	1.82E-04	8.90E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.08E-05	0.00E+00
5618	441091.4	3769083	1.61E-04	6.18E-04	0.00E+00	1.82E-04	8.99E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.14E-05	0.00E+00
5619	441087.1	3769075	1.61E-04	6.32E-04	0.00E+00	1.82E-04	9.18E-04	0.00E+00	3.05E-05	1.57E-04	0.00E+00	1.33E-05	6.27E-05	0.00E+00
5620	441069.9	3769042	1.61E-04	6.88E-04	0.00E+00	1.82E-04	9.99E-04	0.00E+00	3.05E-05	1.70E-04	0.00E+00	1.33E-05	6.83E-05	0.00E+00
5621	441065.6	3769034	1.61E-04	7.03E-04	0.00E+00	1.82E-04	1.02E-03	0.00E+00	3.05E-05	1.74E-04	0.00E+00	1.33E-05	6.98E-05	0.00E+00
5622	441061.3	3769026	1.61E-04	7.18E-04	0.00E+00	1.82E-04	1.04E-03	0.00E+00	3.05E-05	1.78E-04	0.00E+00	1.33E-05	7.13E-05	0.00E+00
5623	440975	3768861	1.61E-04	1.08E-03	0.00E+00	1.82E-04	1.58E-03	0.00E+00	3.05E-05	2.69E-04	0.00E+00	1.33E-05	1.08E-04	0.00E+00
5624	440966.4	3768845	1.61E-04	1.12E-03	0.00E+00	1.82E-04	1.63E-03	0.00E+00	3.05E-05	2.78E-04	0.00E+00	1.33E-05	1.11E-04	0.00E+00
5625	440957.8	3768828	1.61E-04	1.16E-03	0.00E+00	1.82E-04	1.68E-03	0.00E+00	3.05E-05	2.87E-04	0.00E+00	1.33E-05	1.15E-04	0.00E+00
5626	440953.4	3768820	1.61E-04	1.17E-03	0.00E+00	1.82E-04	1.71E-03	0.00E+00	3.05E-05	2.91E-04	0.00E+00	1.33E-05	1.17E-04	0.00E+00
5627	440949.1	3768812	1.61E-04	1.19E-03	0.00E+00	1.82E-04	1.73E-03	0.00E+00	3.05E-05	2.95E-04	0.00E+00	1.33E-05	1.18E-04	0.00E+00
5628	441231.2	3769139	1.61E-04	6.10E-04	0.00E+00	1.82E-04	8.86E-04	0.00E+00	3.05E-05	1.51E-04	0.00E+00	1.33E-05	6.05E-05	0.00E+00
5629	441222	3769138	1.61E-04	6.06E-04	0.00E+00	1.82E-04	8.81E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.01E-05	0.00E+00
5630	441212.7	3769137	1.61E-04	6.02E-04	0.00E+00	1.82E-04	8.75E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.98E-05	0.00E+00
5631	441203.4	3769137	1.61E-04	5.98E-04	0.00E+00	1.82E-04	8.69E-04	0.00E+00	3.05E-05	1.48E-04	0.00E+00	1.33E-05	5.93E-05	0.00E+00
5632	441194.1	3769136	1.61E-04	5.93E-04	0.00E+00	1.82E-04	8.62E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.89E-05	0.00E+00
5633	441184.9	3769135	1.61E-04	5.88E-04	0.00E+00	1.82E-04	8.55E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.84E-05	0.00E+00
5634	441129.2	3769130	1.61E-04	5.58E-04	0.00E+00	1.82E-04	8.11E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.54E-05	0.00E+00
5635	441119.9	3769129	1.61E-04	5.53E-04	0.00E+00	1.82E-04	8.03E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.49E-05	0.00E+00
5636	441110.6	3769128	1.61E-04	5.47E-04	0.00E+00	1.82E-04	7.95E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.43E-05	0.00E+00
5637	441101.4	3769127	1.61E-04	5.42E-04	0.00E+00	1.82E-04	7.88E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.38E-05	0.00E+00
5638	441092.1	3769126	1.61E-04	5.36E-04	0.00E+00	1.82E-04	7.80E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.32E-05	0.00E+00
5639	441082.8	3769126	1.61E-04	5.31E-04	0.00E+00	1.82E-04	7.71E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.27E-05	0.00E+00
5640	441069.2	3769116	1.61E-04	5.35E-04	0.00E+00	1.82E-04	7.78E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.31E-05	0.00E+00
5641	441064.9	3769108	1.61E-04	5.46E-04	0.00E+00	1.82E-04	7.93E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.42E-05	0.00E+00
5642	441060.5	3769100	1.61E-04	5.56E-04	0.00E+00	1.82E-04	8.08E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.52E-05	0.00E+00
5643	441047.6	3769075	1.61E-04	5.81E-04	0.00E+00	1.82E-04	8.44E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.76E-05	0.00E+00
5644	441043.2	3769067	1.61E-04	5.91E-04	0.00E+00	1.82E-04	8.59E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.87E-05	0.00E+00
5645	441038.9	3769059	1.61E-04	6.03E-04	0.00E+00	1.82E-04	8.76E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.98E-05	0.00E+00
5646	441034.6	3769050	1.61E-04	6.15E-04	0.00E+00	1.82E-04	8.94E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.10E-05	0.00E+00
5647	441021.6	3769026	1.61E-04	6.62E-04	0.00E+00	1.82E-04	9.63E-04	0.00E+00	3.05E-05	1.64E-04	0.00E+00	1.33E-05	6.57E-05	0.00E+00
5648	441017.3	3769017	1.61E-04	6.76E-04	0.00E+00	1.82E-04	9.82E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.71E-05	0.00E+00
5649	441000	3768984	1.61E-04	7.32E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.81E-04	0.00E+00	1.33E-05	7.27E-05	0.00E+00
5650	440935.1	3768861	1.61E-04	9.62E-04	0.00E+00	1.82E-04	1.40E-03	0.00E+00	3.05E-05	2.38E-04	0.00E+00	1.33E-05	9.55E-05	0.00E+00
5651	440926.4	3768844	1.61E-04	9.91E-04	0.00E+00	1.82E-04	1.44E-03	0.00E+00	3.05E-05	2.45E-04	0.00E+00	1.33E-05	9.83E-05	0.00E+00
5652	440917.8	3768828	1.61E-04	1.02E-03	0.00E+00	1.82E-04	1.48E-03	0.00E+00	3.05E-05	2.52E-04	0.00E+00	1.33E-05	1.01E-04	0.00E+00
5653	440913.5	3768819	1.61E-04	1.03E-03	0.00E+00	1.82E-04	1.50E-03	0.00E+00	3.05E-05	2.56E-04	0.00E+00	1.33E-05	1.02E-04	0.00E+00
5654	440909.1	3768811	1.61E-04	1.04E-03	0.00E+00	1.82E-04	1.52E-03	0.00E+00	3.05E-05	2.59E-04	0.00E+00	1.33E-05	1.04E-04	0.00E+00
5655	441237.3	3769175	1.61E-04	5.39E-04	0.00E+00	1.82E-04	7.84E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.35E-05	0.00E+00
5656	441228	3769174	1.61E-04	5.36E-04	0.00E+00	1.82E-04	7.79E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.32E-05	0.00E+00
5657	441218.7	3769173	1.61E-04	5.33E-04	0.00E+00	1.82E-04	7.74E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.29E-05	0.00E+00
5658	441209.4	3769172	1.61E-04	5.29E-04	0.00E+00	1.82E-04	7.69E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.25E-05	0.00E+00
5659	441200.1	3769171	1.61E-04	5.26E-04	0.00E+00	1.82E-04	7.65E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.22E-05	0.00E+00
5660	441190.8	3769171	1.61E-04	5.23E-04	0.00E+00	1.82E-04	7.60E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.19E-05	0.00E+00
5661	441181.5	3769170	1.61E-04	5.20E-04	0.00E+00	1.82E-04	7.56E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.16E-05	0.00E+00

5662	441116.4	3769164	1.61E-04	4.91E-04	0.00E+00	1.82E-04	7.14E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.88E-05	0.00E+00
5663	441107.1	3769163	1.61E-04	4.84E-04	0.00E+00	1.82E-04	7.03E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.80E-05	0.00E+00
5664	441097.8	3769162	1.61E-04	4.79E-04	0.00E+00	1.82E-04	6.96E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.75E-05	0.00E+00
5665	441088.5	3769161	1.61E-04	4.74E-04	0.00E+00	1.82E-04	6.88E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.70E-05	0.00E+00
5666	441079.2	3769160	1.61E-04	4.69E-04	0.00E+00	1.82E-04	6.82E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.66E-05	0.00E+00
5667	441069.9	3769160	1.61E-04	4.65E-04	0.00E+00	1.82E-04	6.76E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.62E-05	0.00E+00
5668	441060.6	3769159	1.61E-04	4.61E-04	0.00E+00	1.82E-04	6.69E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.57E-05	0.00E+00
5669	441047	3769150	1.61E-04	4.65E-04	0.00E+00	1.82E-04	6.76E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.61E-05	0.00E+00
5670	441042.6	3769141	1.61E-04	4.73E-04	0.00E+00	1.82E-04	6.88E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.70E-05	0.00E+00
5671	441038.3	3769133	1.61E-04	4.81E-04	0.00E+00	1.82E-04	6.99E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.77E-05	0.00E+00
5672	441020.9	3769100	1.61E-04	5.09E-04	0.00E+00	1.82E-04	7.40E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.05E-05	0.00E+00
5673	441016.6	3769092	1.61E-04	5.18E-04	0.00E+00	1.82E-04	7.52E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.14E-05	0.00E+00
5674	441012.3	3769083	1.61E-04	5.26E-04	0.00E+00	1.82E-04	7.65E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.23E-05	0.00E+00
5675	440994.9	3769050	1.61E-04	5.69E-04	0.00E+00	1.82E-04	8.26E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.64E-05	0.00E+00
5676	440990.6	3769042	1.61E-04	5.81E-04	0.00E+00	1.82E-04	8.44E-04	0.00E+00	3.05E-05	1.44E-04	0.00E+00	1.33E-05	5.77E-05	0.00E+00
5677	440986.2	3769034	1.61E-04	5.93E-04	0.00E+00	1.82E-04	8.62E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.89E-05	0.00E+00
5678	440981.9	3769026	1.61E-04	6.12E-04	0.00E+00	1.82E-04	8.90E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.08E-05	0.00E+00
5679	440977.6	3769017	1.61E-04	6.24E-04	0.00E+00	1.82E-04	9.07E-04	0.00E+00	3.05E-05	1.55E-04	0.00E+00	1.33E-05	6.19E-05	0.00E+00
5680	440873.5	3768819	1.61E-04	9.16E-04	0.00E+00	1.82E-04	1.33E-03	0.00E+00	3.05E-05	2.27E-04	0.00E+00	1.33E-05	9.09E-05	0.00E+00
5681	440869.2	3768811	1.61E-04	9.26E-04	0.00E+00	1.82E-04	1.35E-03	0.00E+00	3.05E-05	2.29E-04	0.00E+00	1.33E-05	9.19E-05	0.00E+00
5682	441457.7	3769230	1.61E-04	5.59E-04	0.00E+00	1.82E-04	8.13E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.55E-05	0.00E+00
5683	441448.4	3769229	1.61E-04	5.55E-04	0.00E+00	1.82E-04	8.07E-04	0.00E+00	3.05E-05	1.38E-04	0.00E+00	1.33E-05	5.51E-05	0.00E+00
5684	441439.1	3769229	1.61E-04	5.51E-04	0.00E+00	1.82E-04	8.01E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.47E-05	0.00E+00
5685	441429.8	3769228	1.61E-04	5.47E-04	0.00E+00	1.82E-04	7.95E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.43E-05	0.00E+00
5686	441420.5	3769227	1.61E-04	5.43E-04	0.00E+00	1.82E-04	7.89E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.39E-05	0.00E+00
5687	441411.1	3769226	1.61E-04	5.38E-04	0.00E+00	1.82E-04	7.83E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.35E-05	0.00E+00
5688	441401.8	3769225	1.61E-04	5.34E-04	0.00E+00	1.82E-04	7.76E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
5689	441392.5	3769224	1.61E-04	5.30E-04	0.00E+00	1.82E-04	7.70E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.26E-05	0.00E+00
5690	441383.2	3769223	1.61E-04	5.26E-04	0.00E+00	1.82E-04	7.65E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.22E-05	0.00E+00
5691	441373.9	3769223	1.61E-04	5.22E-04	0.00E+00	1.82E-04	7.59E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.19E-05	0.00E+00
5692	441364.5	3769222	1.61E-04	5.19E-04	0.00E+00	1.82E-04	7.54E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.15E-05	0.00E+00
5693	441355.2	3769221	1.61E-04	5.15E-04	0.00E+00	1.82E-04	7.49E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.12E-05	0.00E+00
5694	441345.9	3769220	1.61E-04	5.12E-04	0.00E+00	1.82E-04	7.44E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.08E-05	0.00E+00
5695	441336.6	3769219	1.61E-04	5.09E-04	0.00E+00	1.82E-04	7.40E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.05E-05	0.00E+00
5696	441327.3	3769218	1.61E-04	5.06E-04	0.00E+00	1.82E-04	7.36E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.03E-05	0.00E+00
5697	441317.9	3769218	1.61E-04	5.03E-04	0.00E+00	1.82E-04	7.32E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.00E-05	0.00E+00
5698	441308.6	3769217	1.61E-04	5.01E-04	0.00E+00	1.82E-04	7.28E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.97E-05	0.00E+00
5699	441299.3	3769216	1.61E-04	4.98E-04	0.00E+00	1.82E-04	7.24E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.94E-05	0.00E+00
5700	441290	3769215	1.61E-04	4.95E-04	0.00E+00	1.82E-04	7.19E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.91E-05	0.00E+00
5701	441020.4	3769175	1.61E-04	4.19E-04	0.00E+00	1.82E-04	6.09E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
5702	441016	3769166	1.61E-04	4.26E-04	0.00E+00	1.82E-04	6.19E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.23E-05	0.00E+00
5703	441003	3769141	1.61E-04	4.51E-04	0.00E+00	1.82E-04	6.56E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.48E-05	0.00E+00
5704	440998.6	3769133	1.61E-04	4.54E-04	0.00E+00	1.82E-04	6.59E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.50E-05	0.00E+00
5705	440994.3	3769125	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.68E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.56E-05	0.00E+00
5706	440989.9	3769117	1.61E-04	4.66E-04	0.00E+00	1.82E-04	6.78E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.63E-05	0.00E+00
5707	440972.6	3769083	1.61E-04	4.98E-04	0.00E+00	1.82E-04	7.24E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.94E-05	0.00E+00
5708	440968.2	3769075	1.61E-04	5.07E-04	0.00E+00	1.82E-04	7.37E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.03E-05	0.00E+00
5709	440963.9	3769067	1.61E-04	5.16E-04	0.00E+00	1.82E-04	7.50E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.12E-05	0.00E+00
5710	440959.5	3769059	1.61E-04	5.32E-04	0.00E+00	1.82E-04	7.73E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.28E-05	0.00E+00
5711	440955.2	3769050	1.61E-04	5.41E-04	0.00E+00	1.82E-04	7.86E-04	0.00E+00	3.05E-05	1.34E-04	0.00E+00	1.33E-05	5.37E-05	0.00E+00
5712	440950.8	3769042	1.61E-04	5.50E-04	0.00E+00	1.82E-04	8.00E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.46E-05	0.00E+00
5713	440946.5	3769034	1.61E-04	5.59E-04	0.00E+00	1.82E-04	8.13E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.55E-05	0.00E+00
5714	440942.1	3769025	1.61E-04	5.69E-04	0.00E+00	1.82E-04	8.27E-04	0.00E+00	3.05E-05	1.41E-04	0.00E+00	1.33E-05	5.65E-05	0.00E+00
5715	440833.5	3768818	1.61E-04	8.19E-04	0.00E+00	1.82E-04	1.19E-03	0.00E+00	3.05E-05	2.03E-04	0.00E+00	1.33E-05	8.14E-05	0.00E+00
5716	440829.2	3768810	1.61E-04	8.27E-04	0.00E+00	1.82E-04	1.20E-03	0.00E+00	3.05E-05	2.05E-04	0.00E+00	1.33E-05	8.21E-05	0.00E+00
5717	441467	3769231	1.61E-04	5.64E-04	0.00E+00	1.82E-04	8.20E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.60E-05	0.00E+00
5718	441475.7	3769227	1.61E-04	5.77E-04	0.00E+00	1.82E-04	8.39E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.73E-05	0.00E+00
5719	441484.4	3769224	1.61E-04	5.91E-04	0.00E+00	1.82E-04	8.59E-04	0.00E+00	3.05E-05	1.47E-04	0.00E+00	1.33E-05	5.87E-05	0.00E+00
5720	441493.1	3769220	1.61E-04	6.06E-04	0.00E+00	1.82E-04	8.80E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.01E-05	0.00E+00
5721	441501.8	3769216	1.61E-04	6.20E-04	0.00E+00	1.82E-04	9.01E-04	0.00E+00	3.05E-05	1.54E-04	0.00E+00	1.33E-05	6.16E-05	0.00E+00
5722	441473.6	3769267	1.61E-04	4.99E-04	0.00E+00	1.82E-04	7.26E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.96E-05	0.00E+00
5723	441464.2	3769266	1.61E-04	4.96E-04	0.00E+00	1.82E-04	7.21E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.92E-05	0.00E+00
5724	441454.9	3769265	1.61E-04	4.92E-04	0.00E+00	1.82E-04	7.15E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.89E-05	0.00E+00
5725	441445.6	3769264	1.61E-04	4.89E-04	0.00E+00	1.82E-04	7.11E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.85E-05	0.00E+00
5726	441436.2	3769264	1.61E-04	4.86E-04	0.00E+00	1.82E-04	7.06E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.82E-05	0.00E+00
5727	441426.9	3769263	1.61E-04	4.83E-04	0.00E+00	1.82E-04	7.02E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.79E-05	0.00E+00
5728	441417.6	3769262	1.61E-04	4.80E-04	0.00E+00	1.82E-04	6.97E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.76E-05	0.00E+00
5729	441408.2	3769261	1.61E-04	4.76E-04	0.00E+00	1.82E-04	6.92E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.73E-05	0.00E+00
5730	441398.9	3769260	1.61E-04	4.73E-04	0.00E+00	1.82E-04	6.87E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.69E-05	0.00E+00
5731	441389.5	3769259	1.61E-04	4.69E-04	0.00E+00	1.82E-04	6.82E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.66E-05	0.00E+00
5732	441380.2	3769258	1.61E-04	4.66E-04	0.00E+00	1.82E-04	6.77E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.62E-05	0.00E+00
5733	441370.9	3769258	1.61E-04	4.55E-04	0.00E+00	1.82E-04	6.62E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.52E-05	0.00E+00
5734	441361.5	3769257	1.61E-04	4.52E-04	0.00E+00	1.82E-04	6.57E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.49E-05	0.00E+00
5735	441352.2	3769256	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.53E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
5736	441342.9	3769255	1.61E-04	4.47E-04	0.00E+00	1.82E-04	6.49E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.43E-05	0.00E+00
5737	441333.5	3769254	1.61E-04	4.44E-04	0.00E+00	1.82E-04	6.46E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.41E-05	0.00E+00
5738	441324.2	3769253	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.43E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
5739	441314.9	3769253	1.61E-04	4.40E-04	0.00E+00	1.82E-04	6.40E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.37E-05	0.00E+00
5740	441305.5	3769252	1.61E-04	4.38E-04	0.00E+00	1.82E-04	6.37E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.35E-05	0.00E+00
5741	441296.2	3769251	1.61E-04	4.42E-04	0.00E+00	1.82E-04	6.42E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.39E-05	0.00E+00
5742	441286.9	3769250	1.61E-04	4.40E-04	0.00E+00	1.82E-04	6.39E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.37E-05	0.00E+00
5743	441221.5	3769244	1.61E-04	4.25E-04	0.00E+00	1.82E-04	6.18E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.22E-05	0.00E+00
5744	441202.8	3769242	1.61E-04	4.21E-04	0.00E+00	1.82E-04	6.12E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.18E-05	0.00E+00
5745	441193.5	3769241	1.61E-04	4.19E-04	0.00E+00	1.82E-04	6.09E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
5746	441184.2	3769241	1.61E-04	4.17E-04	0.00E+00	1.82E-04	6.06E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.14E-05	0.00E+00
5747	441174.8	3769240	1.61E-04	4.14E-04	0.00E+00	1.82E-04	6.02E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.11E-05	0.00E+00
5748	440976.3	3769166	1.61E-04	4.07E-04	0.00E+00	1.82E-04	5.92E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.04E-05	0.00E+00
5749	440972	3769158	1.61E-04	4.13E-04	0.00E+00	1.82E-04	6.01E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.10E-05	0.00E+00
5750	440967.6	3769150	1.61E-04	4.20E-04	0.00E+00	1.82E-04	6.10E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
5751	440963.3	3769141	1.61E-04	4.26E-04	0.00E+00	1.82E-04	6.19E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.23E-05	0.00E+00
5752	440950.2	3769116	1.61E-04	4.46E-04	0.00E+00	1.82E-04	6.48E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.43E-05	0.00E+00
5753	440945.9	3769108	1.61E-04	4.53E-04	0.00E+00	1.82E-04	6.58E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.50E-05	0.00E+00
5754	440941.5	3769100	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.68E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.57E-05	0.00E+00
5755	440937.2	3769092	1.61E-04	4.67E-04	0.00E+00	1.82E-04	6.79E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.64E-05	0.00E+00
5756	440932.8	3769083	1.61E-04	4.74E-04	0.00E+00	1.82E-04	6.89E-04	0.00E+00	3.05E-05	1.18E-04	0.00E+00	1.33E-05	4.71E-05	0.00E+00
5757	440928.5	3769075	1.61E-04	4.82E-04	0.00E+00	1.82E-04	7.00E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.78E-05	0.00E+00

5758	440924.1	3769067	1.61E-04	4.89E-04	0.00E+00	1.82E-04	7.11E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.86E-05	0.00E+00
5759	440919.8	3769058	1.61E-04	4.97E-04	0.00E+00	1.82E-04	7.23E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.94E-05	0.00E+00
5760	440915.4	3769050	1.61E-04	5.05E-04	0.00E+00	1.82E-04	7.35E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.02E-05	0.00E+00
5761	440911.1	3769042	1.61E-04	5.14E-04	0.00E+00	1.82E-04	7.46E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.10E-05	0.00E+00
5762	440906.7	3769033	1.61E-04	5.22E-04	0.00E+00	1.82E-04	7.58E-04	0.00E+00	3.05E-05	1.29E-04	0.00E+00	1.33E-05	5.18E-05	0.00E+00
5763	440902.4	3769025	1.61E-04	5.30E-04	0.00E+00	1.82E-04	7.71E-04	0.00E+00	3.05E-05	1.31E-04	0.00E+00	1.33E-05	5.26E-05	0.00E+00
5764	440871.9	3768967	1.61E-04	5.90E-04	0.00E+00	1.82E-04	8.58E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.86E-05	0.00E+00
5765	440797.9	3768826	1.61E-04	7.31E-04	0.00E+00	1.82E-04	1.06E-03	0.00E+00	3.05E-05	1.81E-04	0.00E+00	1.33E-05	7.26E-05	0.00E+00
5766	440789.2	3768809	1.61E-04	7.45E-04	0.00E+00	1.82E-04	1.08E-03	0.00E+00	3.05E-05	1.85E-04	0.00E+00	1.33E-05	7.40E-05	0.00E+00
5767	441482.9	3769268	1.61E-04	5.03E-04	0.00E+00	1.82E-04	7.31E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	4.99E-05	0.00E+00
5768	441491.6	3769264	1.61E-04	5.14E-04	0.00E+00	1.82E-04	7.48E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.11E-05	0.00E+00
5769	441500.3	3769260	1.61E-04	5.26E-04	0.00E+00	1.82E-04	7.65E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.22E-05	0.00E+00
5770	441508.9	3769257	1.61E-04	5.38E-04	0.00E+00	1.82E-04	7.82E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.34E-05	0.00E+00
5771	441517.6	3769253	1.61E-04	5.50E-04	0.00E+00	1.82E-04	7.99E-04	0.00E+00	3.05E-05	1.36E-04	0.00E+00	1.33E-05	5.46E-05	0.00E+00
5772	441489.4	3769304	1.61E-04	4.37E-04	0.00E+00	1.82E-04	6.35E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.34E-05	0.00E+00
5773	441480.1	3769303	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.31E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
5774	441470.7	3769302	1.61E-04	4.32E-04	0.00E+00	1.82E-04	6.28E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.29E-05	0.00E+00
5775	441461.4	3769301	1.61E-04	4.29E-04	0.00E+00	1.82E-04	6.24E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.26E-05	0.00E+00
5776	441452	3769300	1.61E-04	4.27E-04	0.00E+00	1.82E-04	6.20E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.24E-05	0.00E+00
5777	441442.7	3769299	1.61E-04	4.24E-04	0.00E+00	1.82E-04	6.16E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.21E-05	0.00E+00
5778	441433.3	3769299	1.61E-04	4.21E-04	0.00E+00	1.82E-04	6.12E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.18E-05	0.00E+00
5779	441424	3769298	1.61E-04	4.18E-04	0.00E+00	1.82E-04	6.08E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.15E-05	0.00E+00
5780	441414.6	3769297	1.61E-04	4.16E-04	0.00E+00	1.82E-04	6.04E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.13E-05	0.00E+00
5781	441405.3	3769296	1.61E-04	4.13E-04	0.00E+00	1.82E-04	6.00E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.10E-05	0.00E+00
5782	441395.9	3769295	1.61E-04	4.10E-04	0.00E+00	1.82E-04	5.96E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.07E-05	0.00E+00
5783	441386.6	3769294	1.61E-04	4.08E-04	0.00E+00	1.82E-04	5.92E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.05E-05	0.00E+00
5784	441377.2	3769293	1.61E-04	4.05E-04	0.00E+00	1.82E-04	5.88E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.02E-05	0.00E+00
5785	441367.9	3769293	1.61E-04	4.02E-04	0.00E+00	1.82E-04	5.84E-04	0.00E+00	3.05E-05	9.95E-05	0.00E+00	1.33E-05	3.99E-05	0.00E+00
5786	441358.5	3769292	1.61E-04	3.99E-04	0.00E+00	1.82E-04	5.80E-04	0.00E+00	3.05E-05	9.88E-05	0.00E+00	1.33E-05	3.96E-05	0.00E+00
5787	441349.2	3769291	1.61E-04	3.97E-04	0.00E+00	1.82E-04	5.77E-04	0.00E+00	3.05E-05	9.83E-05	0.00E+00	1.33E-05	3.94E-05	0.00E+00
5788	441339.8	3769290	1.61E-04	3.95E-04	0.00E+00	1.82E-04	5.74E-04	0.00E+00	3.05E-05	9.79E-05	0.00E+00	1.33E-05	3.92E-05	0.00E+00
5789	441330.5	3769289	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.72E-04	0.00E+00	3.05E-05	9.74E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
5790	441321.1	3769288	1.61E-04	3.92E-04	0.00E+00	1.82E-04	5.70E-04	0.00E+00	3.05E-05	9.72E-05	0.00E+00	1.33E-05	3.89E-05	0.00E+00
5791	441311.8	3769288	1.61E-04	3.91E-04	0.00E+00	1.82E-04	5.69E-04	0.00E+00	3.05E-05	9.70E-05	0.00E+00	1.33E-05	3.89E-05	0.00E+00
5792	441302.4	3769287	1.61E-04	3.90E-04	0.00E+00	1.82E-04	5.68E-04	0.00E+00	3.05E-05	9.68E-05	0.00E+00	1.33E-05	3.88E-05	0.00E+00
5793	441293.1	3769286	1.61E-04	3.89E-04	0.00E+00	1.82E-04	5.66E-04	0.00E+00	3.05E-05	9.64E-05	0.00E+00	1.33E-05	3.86E-05	0.00E+00
5794	441283.7	3769285	1.61E-04	3.88E-04	0.00E+00	1.82E-04	5.64E-04	0.00E+00	3.05E-05	9.61E-05	0.00E+00	1.33E-05	3.85E-05	0.00E+00
5795	441265	3769283	1.61E-04	3.85E-04	0.00E+00	1.82E-04	5.59E-04	0.00E+00	3.05E-05	9.54E-05	0.00E+00	1.33E-05	3.82E-05	0.00E+00
5796	441255.7	3769282	1.61E-04	3.83E-04	0.00E+00	1.82E-04	5.57E-04	0.00E+00	3.05E-05	9.49E-05	0.00E+00	1.33E-05	3.80E-05	0.00E+00
5797	441190.2	3769276	1.61E-04	3.72E-04	0.00E+00	1.82E-04	5.41E-04	0.00E+00	3.05E-05	9.22E-05	0.00E+00	1.33E-05	3.69E-05	0.00E+00
5798	441180.9	3769276	1.61E-04	3.71E-04	0.00E+00	1.82E-04	5.39E-04	0.00E+00	3.05E-05	9.20E-05	0.00E+00	1.33E-05	3.68E-05	0.00E+00
5799	441171.5	3769275	1.61E-04	3.70E-04	0.00E+00	1.82E-04	5.38E-04	0.00E+00	3.05E-05	9.17E-05	0.00E+00	1.33E-05	3.67E-05	0.00E+00
5800	441162.2	3769274	1.61E-04	3.69E-04	0.00E+00	1.82E-04	5.36E-04	0.00E+00	3.05E-05	9.13E-05	0.00E+00	1.33E-05	3.66E-05	0.00E+00
5801	441152.9	3769273	1.61E-04	3.67E-04	0.00E+00	1.82E-04	5.34E-04	0.00E+00	3.05E-05	9.10E-05	0.00E+00	1.33E-05	3.65E-05	0.00E+00
5802	441143.5	3769272	1.61E-04	3.66E-04	0.00E+00	1.82E-04	5.31E-04	0.00E+00	3.05E-05	9.06E-05	0.00E+00	1.33E-05	3.63E-05	0.00E+00
5803	441134.2	3769271	1.61E-04	3.64E-04	0.00E+00	1.82E-04	5.29E-04	0.00E+00	3.05E-05	9.02E-05	0.00E+00	1.33E-05	3.61E-05	0.00E+00
5804	441124.8	3769270	1.61E-04	3.62E-04	0.00E+00	1.82E-04	5.26E-04	0.00E+00	3.05E-05	8.97E-05	0.00E+00	1.33E-05	3.59E-05	0.00E+00
5805	440923.6	3769141	1.61E-04	4.02E-04	0.00E+00	1.82E-04	5.85E-04	0.00E+00	3.05E-05	9.97E-05	0.00E+00	1.33E-05	3.99E-05	0.00E+00
5806	440919.2	3769133	1.61E-04	4.08E-04	0.00E+00	1.82E-04	5.93E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.05E-05	0.00E+00
5807	440914.8	3769125	1.61E-04	4.14E-04	0.00E+00	1.82E-04	6.02E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.11E-05	0.00E+00
5808	440910.5	3769116	1.61E-04	4.20E-04	0.00E+00	1.82E-04	6.11E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.17E-05	0.00E+00
5809	440906.1	3769108	1.61E-04	4.26E-04	0.00E+00	1.82E-04	6.20E-04	0.00E+00	3.05E-05	1.06E-04	0.00E+00	1.33E-05	4.23E-05	0.00E+00
5810	440901.8	3769100	1.61E-04	4.32E-04	0.00E+00	1.82E-04	6.28E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.29E-05	0.00E+00
5811	440897.4	3769091	1.61E-04	4.39E-04	0.00E+00	1.82E-04	6.38E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.35E-05	0.00E+00
5812	440893	3769083	1.61E-04	4.45E-04	0.00E+00	1.82E-04	6.47E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.42E-05	0.00E+00
5813	440888.7	3769075	1.61E-04	4.52E-04	0.00E+00	1.82E-04	6.57E-04	0.00E+00	3.05E-05	1.12E-04	0.00E+00	1.33E-05	4.48E-05	0.00E+00
5814	440884.3	3769066	1.61E-04	4.59E-04	0.00E+00	1.82E-04	6.67E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.55E-05	0.00E+00
5815	440880	3769058	1.61E-04	4.66E-04	0.00E+00	1.82E-04	6.77E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.62E-05	0.00E+00
5816	440875.6	3769050	1.61E-04	4.73E-04	0.00E+00	1.82E-04	6.87E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.69E-05	0.00E+00
5817	440871.2	3769041	1.61E-04	4.80E-04	0.00E+00	1.82E-04	6.97E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.76E-05	0.00E+00
5818	440866.9	3769033	1.61E-04	4.87E-04	0.00E+00	1.82E-04	7.08E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.83E-05	0.00E+00
5819	440862.5	3769025	1.61E-04	4.94E-04	0.00E+00	1.82E-04	7.18E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.91E-05	0.00E+00
5820	440832	3768967	1.61E-04	5.45E-04	0.00E+00	1.82E-04	7.92E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.41E-05	0.00E+00
5821	440757.9	3768825	1.61E-04	6.64E-04	0.00E+00	1.82E-04	9.65E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.59E-05	0.00E+00
5822	440749.2	3768809	1.61E-04	6.75E-04	0.00E+00	1.82E-04	9.81E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.70E-05	0.00E+00
5823	441498.7	3769305	1.61E-04	4.40E-04	0.00E+00	1.82E-04	6.39E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.37E-05	0.00E+00
5824	441507.4	3769301	1.61E-04	4.50E-04	0.00E+00	1.82E-04	6.54E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
5825	441516.1	3769297	1.61E-04	4.60E-04	0.00E+00	1.82E-04	6.68E-04	0.00E+00	3.05E-05	1.14E-04	0.00E+00	1.33E-05	4.56E-05	0.00E+00
5826	441524.8	3769293	1.61E-04	4.70E-04	0.00E+00	1.82E-04	6.83E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.66E-05	0.00E+00
5827	441533.5	3769290	1.61E-04	4.80E-04	0.00E+00	1.82E-04	6.98E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.77E-05	0.00E+00
5828	441505.2	3769340	1.61E-04	3.94E-04	0.00E+00	1.82E-04	5.73E-04	0.00E+00	3.05E-05	9.78E-05	0.00E+00	1.33E-05	3.92E-05	0.00E+00
5829	441495.9	3769340	1.61E-04	3.92E-04	0.00E+00	1.82E-04	5.70E-04	0.00E+00	3.05E-05	9.71E-05	0.00E+00	1.33E-05	3.89E-05	0.00E+00
5830	441486.5	3769339	1.61E-04	3.89E-04	0.00E+00	1.82E-04	5.66E-04	0.00E+00	3.05E-05	9.65E-05	0.00E+00	1.33E-05	3.86E-05	0.00E+00
5831	441477.2	3769338	1.61E-04	3.87E-04	0.00E+00	1.82E-04	5.62E-04	0.00E+00	3.05E-05	9.58E-05	0.00E+00	1.33E-05	3.84E-05	0.00E+00
5832	441467.8	3769337	1.61E-04	3.85E-04	0.00E+00	1.82E-04	5.59E-04	0.00E+00	3.05E-05	9.53E-05	0.00E+00	1.33E-05	3.82E-05	0.00E+00
5833	441458.4	3769336	1.61E-04	3.82E-04	0.00E+00	1.82E-04	5.56E-04	0.00E+00	3.05E-05	9.48E-05	0.00E+00	1.33E-05	3.80E-05	0.00E+00
5834	441449.1	3769335	1.61E-04	3.80E-04	0.00E+00	1.82E-04	5.53E-04	0.00E+00	3.05E-05	9.42E-05	0.00E+00	1.33E-05	3.77E-05	0.00E+00
5835	441439.7	3769334	1.61E-04	3.77E-04	0.00E+00	1.82E-04	5.49E-04	0.00E+00	3.05E-05	9.35E-05	0.00E+00	1.33E-05	3.75E-05	0.00E+00
5836	441430.4	3769334	1.61E-04	3.75E-04	0.00E+00	1.82E-04	5.45E-04	0.00E+00	3.05E-05	9.29E-05	0.00E+00	1.33E-05	3.72E-05	0.00E+00
5837	441421	3769333	1.61E-04	3.72E-04	0.00E+00	1.82E-04	5.41E-04	0.00E+00	3.05E-05	9.22E-05	0.00E+00	1.33E-05	3.69E-05	0.00E+00
5838	441411.6	3769332	1.61E-04	3.70E-04	0.00E+00	1.82E-04	5.37E-04	0.00E+00	3.05E-05	9.16E-05	0.00E+00	1.33E-05	3.67E-05	0.00E+00
5839	441402.3	3769331	1.61E-04	3.67E-04	0.00E+00	1.82E-04	5.33E-04	0.00E+00	3.05E-05	9.09E-05	0.00E+00	1.33E-05	3.64E-05	0.00E+00
5840	441392.9	3769330	1.61E-04	3.64E-04	0.00E+00	1.82E-04	5.30E-04	0.00E+00	3.05E-05	9.03E-05	0.00E+00	1.33E-05	3.62E-05	0.00E+00
5841	441383.6	3769329	1.61E-04	3.62E-04	0.00E+00	1.82E-04	5.27E-04	0.00E+00	3.05E-05	8.98E-05	0.00E+00	1.33E-05	3.60E-05	0.00E+00
5842	441374.2	3769329	1.61E-04	3.61E-04	0.00E+00	1.82E-04	5.25E-04	0.00E+00	3.05E-05	8.94E-05	0.00E+00	1.33E-05	3.58E-05	0.00E+00
5843	441364.8	3769328	1.61E-04	3.59E-04	0.00E+00	1.82E-04	5.22E-04	0.00E+00	3.05E-05	8.90E-05	0.00E+00	1.33E-05	3.57E-05	0.00E+00
5844	441355.5	3769327	1.61E-04	3.58E-04	0.00E+00	1.82E-04	5.20E-04	0.00E+00	3.05E-05	8.86E-05	0.00E+00	1.33E-05	3.55E-05	0.00E+00
5845	441346.1	3769326	1.61E-04	3.56E-04	0.00E+00	1.82E-04	5.18E-04	0.00E+00	3.05E-05	8.82E-05	0.00E+00	1.33E-05	3.53E-05	0.00E+00
5846	441336.8	3769325	1.61E-04	3.54E-04	0.00E+00	1.82E-04	5.15E-04	0.00E+00	3.05E-05	8.78E-05	0.00E+00	1.33E-05	3.52E-05	0.00E+00
5847	441327.4	3769324	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.13E-04	0.00E+00	3.05E-05	8.75E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00
5848	441318	3769323	1.61E-04	3.51E-04	0.00E+00	1.82E-04	5.11E-04	0.00E+00	3.05E-05	8.71E-05	0.00E+00	1.33E-05	3.49E-05	0.00E+00
5849	441308.7	3769323	1.61E-04	3.50E-04	0.00E+00	1.82E-04	5.09E-04	0.00E+00	3.05E-05	8.68E-05	0.00E+00	1.33E-05	3.48E-05	0.00E+00
5850	441299.3	3769322	1.61E-04	3.49E-04	0.00E+00	1.82E-04	5.07E-04	0.00E+00	3.05E-05	8.64E-05	0.00E+00	1.33E-05	3.46E-05	0.00E+00
5851	441290	3769321	1.61E-04	3.47E-04	0.00E+00	1.82E-04	5.04E-04	0.00E+00	3.05E-05	8.60E-05	0.00E+00	1.33E-05	3.44E-05	0.00E+00
5852	441280.6	3769320	1.61E-04	3.45E-04	0.00E+00	1.82E-04	5.01E-04	0.00E+00	3.05E-05	8.55E-05	0.00E+00	1.33E-05	3.42E-05	0.00E+00
5853	441271.2	3769319	1.61E-04	3.43E-04	0.00E+00	1.82E-04	4.99E-04	0.00E+00	3.05E-05	8.51E-05	0.00E+00	1.33E-05	3.41E-05	0.00E+00

5854	441261.9	3769318	1.61E-04	3.42E-04	0.00E+00	1.82E-04	4.97E-04	0.00E+00	3.05E-05	8.47E-05	0.00E+00	1.33E-05	3.39E-05	0.00E+00
5855	441252.5	3769317	1.61E-04	3.40E-04	0.00E+00	1.82E-04	4.94E-04	0.00E+00	3.05E-05	8.43E-05	0.00E+00	1.33E-05	3.37E-05	0.00E+00
5856	441243.2	3769317	1.61E-04	3.38E-04	0.00E+00	1.82E-04	4.92E-04	0.00E+00	3.05E-05	8.38E-05	0.00E+00	1.33E-05	3.36E-05	0.00E+00
5857	441177.6	3769311	1.61E-04	3.35E-04	0.00E+00	1.82E-04	4.87E-04	0.00E+00	3.05E-05	8.30E-05	0.00E+00	1.33E-05	3.32E-05	0.00E+00
5858	441168.3	3769310	1.61E-04	3.35E-04	0.00E+00	1.82E-04	4.86E-04	0.00E+00	3.05E-05	8.29E-05	0.00E+00	1.33E-05	3.32E-05	0.00E+00
5859	441158.9	3769309	1.61E-04	3.34E-04	0.00E+00	1.82E-04	4.86E-04	0.00E+00	3.05E-05	8.28E-05	0.00E+00	1.33E-05	3.32E-05	0.00E+00
5860	441149.5	3769308	1.61E-04	3.34E-04	0.00E+00	1.82E-04	4.85E-04	0.00E+00	3.05E-05	8.27E-05	0.00E+00	1.33E-05	3.31E-05	0.00E+00
5861	441140.2	3769307	1.61E-04	3.32E-04	0.00E+00	1.82E-04	4.83E-04	0.00E+00	3.05E-05	8.23E-05	0.00E+00	1.33E-05	3.30E-05	0.00E+00
5862	441130.8	3769306	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.80E-04	0.00E+00	3.05E-05	8.19E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
5863	441121.5	3769305	1.61E-04	3.29E-04	0.00E+00	1.82E-04	4.78E-04	0.00E+00	3.05E-05	8.14E-05	0.00E+00	1.33E-05	3.26E-05	0.00E+00
5864	440958	3769283	1.61E-04	2.97E-04	0.00E+00	1.82E-04	4.31E-04	0.00E+00	3.05E-05	7.35E-05	0.00E+00	1.33E-05	2.95E-05	0.00E+00
5865	440953.6	3769274	1.61E-04	3.01E-04	0.00E+00	1.82E-04	4.37E-04	0.00E+00	3.05E-05	7.46E-05	0.00E+00	1.33E-05	2.99E-05	0.00E+00
5866	440896.9	3769166	1.61E-04	3.60E-04	0.00E+00	1.82E-04	5.23E-04	0.00E+00	3.05E-05	8.92E-05	0.00E+00	1.33E-05	3.57E-05	0.00E+00
5867	440892.5	3769158	1.61E-04	3.65E-04	0.00E+00	1.82E-04	5.30E-04	0.00E+00	3.05E-05	9.04E-05	0.00E+00	1.33E-05	3.62E-05	0.00E+00
5868	440888.1	3769149	1.61E-04	3.70E-04	0.00E+00	1.82E-04	5.38E-04	0.00E+00	3.05E-05	9.16E-05	0.00E+00	1.33E-05	3.67E-05	0.00E+00
5869	440883.8	3769141	1.61E-04	3.75E-04	0.00E+00	1.82E-04	5.45E-04	0.00E+00	3.05E-05	9.29E-05	0.00E+00	1.33E-05	3.72E-05	0.00E+00
5870	440879.4	3769133	1.61E-04	3.80E-04	0.00E+00	1.82E-04	5.53E-04	0.00E+00	3.05E-05	9.42E-05	0.00E+00	1.33E-05	3.77E-05	0.00E+00
5871	440875.1	3769124	1.61E-04	3.86E-04	0.00E+00	1.82E-04	5.61E-04	0.00E+00	3.05E-05	9.56E-05	0.00E+00	1.33E-05	3.83E-05	0.00E+00
5872	440870.7	3769116	1.61E-04	3.96E-04	0.00E+00	1.82E-04	5.76E-04	0.00E+00	3.05E-05	9.82E-05	0.00E+00	1.33E-05	3.93E-05	0.00E+00
5873	440866.3	3769108	1.61E-04	4.02E-04	0.00E+00	1.82E-04	5.84E-04	0.00E+00	3.05E-05	9.96E-05	0.00E+00	1.33E-05	3.99E-05	0.00E+00
5874	440862	3769099	1.61E-04	4.07E-04	0.00E+00	1.82E-04	5.92E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.04E-05	0.00E+00
5875	440857.6	3769091	1.61E-04	4.13E-04	0.00E+00	1.82E-04	6.01E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.10E-05	0.00E+00
5876	440853.2	3769083	1.61E-04	4.19E-04	0.00E+00	1.82E-04	6.09E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.16E-05	0.00E+00
5877	440848.9	3769074	1.61E-04	4.25E-04	0.00E+00	1.82E-04	6.18E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.22E-05	0.00E+00
5878	440844.5	3769066	1.61E-04	4.31E-04	0.00E+00	1.82E-04	6.26E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.28E-05	0.00E+00
5879	440840.1	3769058	1.61E-04	4.37E-04	0.00E+00	1.82E-04	6.35E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.34E-05	0.00E+00
5880	440835.8	3769050	1.61E-04	4.43E-04	0.00E+00	1.82E-04	6.44E-04	0.00E+00	3.05E-05	1.10E-04	0.00E+00	1.33E-05	4.40E-05	0.00E+00
5881	440831.4	3769041	1.61E-04	4.49E-04	0.00E+00	1.82E-04	6.53E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.46E-05	0.00E+00
5882	440827	3769033	1.61E-04	4.55E-04	0.00E+00	1.82E-04	6.62E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.52E-05	0.00E+00
5883	440800.9	3768983	1.61E-04	4.93E-04	0.00E+00	1.82E-04	7.16E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.89E-05	0.00E+00
5884	440792.1	3768966	1.61E-04	5.06E-04	0.00E+00	1.82E-04	7.35E-04	0.00E+00	3.05E-05	1.25E-04	0.00E+00	1.33E-05	5.02E-05	0.00E+00
5885	440717.9	3768825	1.61E-04	6.06E-04	0.00E+00	1.82E-04	8.80E-04	0.00E+00	3.05E-05	1.50E-04	0.00E+00	1.33E-05	6.01E-05	0.00E+00
5886	440709.2	3768808	1.61E-04	6.15E-04	0.00E+00	1.82E-04	8.93E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.10E-05	0.00E+00
5887	441514.6	3769341	1.61E-04	3.97E-04	0.00E+00	1.82E-04	5.77E-04	0.00E+00	3.05E-05	9.84E-05	0.00E+00	1.33E-05	3.94E-05	0.00E+00
5888	441523.3	3769338	1.61E-04	4.05E-04	0.00E+00	1.82E-04	5.88E-04	0.00E+00	3.05E-05	1.00E-04	0.00E+00	1.33E-05	4.02E-05	0.00E+00
5889	441532	3769334	1.61E-04	4.13E-04	0.00E+00	1.82E-04	6.00E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.10E-05	0.00E+00
5890	441540.6	3769330	1.61E-04	4.21E-04	0.00E+00	1.82E-04	6.12E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.18E-05	0.00E+00
5891	441549.3	3769326	1.61E-04	4.30E-04	0.00E+00	1.82E-04	6.25E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.27E-05	0.00E+00
5892	441324.3	3769359	1.61E-04	3.21E-04	0.00E+00	1.82E-04	4.67E-04	0.00E+00	3.05E-05	7.96E-05	0.00E+00	1.33E-05	3.19E-05	0.00E+00
5893	441314.9	3769358	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.64E-04	0.00E+00	3.05E-05	7.91E-05	0.00E+00	1.33E-05	3.17E-05	0.00E+00
5894	441305.6	3769358	1.61E-04	3.18E-04	0.00E+00	1.82E-04	4.62E-04	0.00E+00	3.05E-05	7.87E-05	0.00E+00	1.33E-05	3.15E-05	0.00E+00
5895	441296.2	3769357	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.59E-04	0.00E+00	3.05E-05	7.83E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
5896	441286.8	3769356	1.61E-04	3.14E-04	0.00E+00	1.82E-04	4.57E-04	0.00E+00	3.05E-05	7.79E-05	0.00E+00	1.33E-05	3.12E-05	0.00E+00
5897	441277.4	3769355	1.61E-04	3.13E-04	0.00E+00	1.82E-04	4.54E-04	0.00E+00	3.05E-05	7.75E-05	0.00E+00	1.33E-05	3.10E-05	0.00E+00
5898	441268.1	3769354	1.61E-04	3.11E-04	0.00E+00	1.82E-04	4.52E-04	0.00E+00	3.05E-05	7.70E-05	0.00E+00	1.33E-05	3.09E-05	0.00E+00
5899	441258.7	3769353	1.61E-04	3.09E-04	0.00E+00	1.82E-04	4.49E-04	0.00E+00	3.05E-05	7.66E-05	0.00E+00	1.33E-05	3.07E-05	0.00E+00
5900	441249.3	3769352	1.61E-04	3.07E-04	0.00E+00	1.82E-04	4.47E-04	0.00E+00	3.05E-05	7.62E-05	0.00E+00	1.33E-05	3.05E-05	0.00E+00
5901	441240	3769352	1.61E-04	3.06E-04	0.00E+00	1.82E-04	4.44E-04	0.00E+00	3.05E-05	7.57E-05	0.00E+00	1.33E-05	3.03E-05	0.00E+00
5902	441230.6	3769351	1.61E-04	3.06E-04	0.00E+00	1.82E-04	4.44E-04	0.00E+00	3.05E-05	7.57E-05	0.00E+00	1.33E-05	3.03E-05	0.00E+00
5903	441165	3769345	1.61E-04	3.03E-04	0.00E+00	1.82E-04	4.40E-04	0.00E+00	3.05E-05	7.50E-05	0.00E+00	1.33E-05	3.00E-05	0.00E+00
5904	441155.6	3769344	1.61E-04	3.02E-04	0.00E+00	1.82E-04	4.38E-04	0.00E+00	3.05E-05	7.47E-05	0.00E+00	1.33E-05	2.99E-05	0.00E+00
5905	441146.3	3769343	1.61E-04	3.01E-04	0.00E+00	1.82E-04	4.37E-04	0.00E+00	3.05E-05	7.46E-05	0.00E+00	1.33E-05	2.99E-05	0.00E+00
5906	441136.9	3769342	1.61E-04	3.01E-04	0.00E+00	1.82E-04	4.37E-04	0.00E+00	3.05E-05	7.45E-05	0.00E+00	1.33E-05	2.98E-05	0.00E+00
5907	441127.5	3769341	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.36E-04	0.00E+00	3.05E-05	7.44E-05	0.00E+00	1.33E-05	2.98E-05	0.00E+00
5908	441118.1	3769340	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.36E-04	0.00E+00	3.05E-05	7.43E-05	0.00E+00	1.33E-05	2.97E-05	0.00E+00
5909	441108.8	3769340	1.61E-04	2.99E-04	0.00E+00	1.82E-04	4.34E-04	0.00E+00	3.05E-05	7.40E-05	0.00E+00	1.33E-05	2.97E-05	0.00E+00
5910	441043.2	3769334	1.61E-04	2.90E-04	0.00E+00	1.82E-04	4.22E-04	0.00E+00	3.05E-05	7.19E-05	0.00E+00	1.33E-05	2.88E-05	0.00E+00
5911	441033.8	3769333	1.61E-04	2.88E-04	0.00E+00	1.82E-04	4.19E-04	0.00E+00	3.05E-05	7.14E-05	0.00E+00	1.33E-05	2.86E-05	0.00E+00
5912	441024.4	3769332	1.61E-04	2.86E-04	0.00E+00	1.82E-04	4.16E-04	0.00E+00	3.05E-05	7.09E-05	0.00E+00	1.33E-05	2.84E-05	0.00E+00
5913	441015.1	3769331	1.61E-04	2.84E-04	0.00E+00	1.82E-04	4.13E-04	0.00E+00	3.05E-05	7.04E-05	0.00E+00	1.33E-05	2.82E-05	0.00E+00
5914	441005.7	3769330	1.61E-04	2.82E-04	0.00E+00	1.82E-04	4.10E-04	0.00E+00	3.05E-05	6.99E-05	0.00E+00	1.33E-05	2.80E-05	0.00E+00
5915	440996.3	3769329	1.61E-04	2.80E-04	0.00E+00	1.82E-04	4.07E-04	0.00E+00	3.05E-05	6.94E-05	0.00E+00	1.33E-05	2.78E-05	0.00E+00
5916	440987	3769328	1.61E-04	2.78E-04	0.00E+00	1.82E-04	4.04E-04	0.00E+00	3.05E-05	6.89E-05	0.00E+00	1.33E-05	2.76E-05	0.00E+00
5917	440977.6	3769328	1.61E-04	2.76E-04	0.00E+00	1.82E-04	4.01E-04	0.00E+00	3.05E-05	6.84E-05	0.00E+00	1.33E-05	2.74E-05	0.00E+00
5918	440931.4	3769307	1.61E-04	2.75E-04	0.00E+00	1.82E-04	4.00E-04	0.00E+00	3.05E-05	6.82E-05	0.00E+00	1.33E-05	2.73E-05	0.00E+00
5919	440927	3769299	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.05E-04	0.00E+00	3.05E-05	6.90E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
5920	440922.6	3769291	1.61E-04	2.82E-04	0.00E+00	1.82E-04	4.10E-04	0.00E+00	3.05E-05	6.99E-05	0.00E+00	1.33E-05	2.80E-05	0.00E+00
5921	440918.3	3769282	1.61E-04	2.86E-04	0.00E+00	1.82E-04	4.15E-04	0.00E+00	3.05E-05	7.08E-05	0.00E+00	1.33E-05	2.84E-05	0.00E+00
5922	440857.1	3769166	1.61E-04	3.39E-04	0.00E+00	1.82E-04	4.93E-04	0.00E+00	3.05E-05	8.40E-05	0.00E+00	1.33E-05	3.36E-05	0.00E+00
5923	440852.7	3769157	1.61E-04	3.43E-04	0.00E+00	1.82E-04	4.99E-04	0.00E+00	3.05E-05	8.51E-05	0.00E+00	1.33E-05	3.41E-05	0.00E+00
5924	440848.4	3769149	1.61E-04	3.48E-04	0.00E+00	1.82E-04	5.06E-04	0.00E+00	3.05E-05	8.62E-05	0.00E+00	1.33E-05	3.45E-05	0.00E+00
5925	440844	3769141	1.61E-04	3.53E-04	0.00E+00	1.82E-04	5.13E-04	0.00E+00	3.05E-05	8.74E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00
5926	440839.6	3769132	1.61E-04	3.58E-04	0.00E+00	1.82E-04	5.21E-04	0.00E+00	3.05E-05	8.88E-05	0.00E+00	1.33E-05	3.56E-05	0.00E+00
5927	440835.2	3769124	1.61E-04	3.64E-04	0.00E+00	1.82E-04	5.30E-04	0.00E+00	3.05E-05	9.03E-05	0.00E+00	1.33E-05	3.62E-05	0.00E+00
5928	440830.9	3769116	1.61E-04	3.74E-04	0.00E+00	1.82E-04	5.44E-04	0.00E+00	3.05E-05	9.28E-05	0.00E+00	1.33E-05	3.72E-05	0.00E+00
5929	440795.9	3769049	1.61E-04	4.17E-04	0.00E+00	1.82E-04	6.06E-04	0.00E+00	3.05E-05	1.03E-04	0.00E+00	1.33E-05	4.14E-05	0.00E+00
5930	440765.3	3768991	1.61E-04	4.54E-04	0.00E+00	1.82E-04	6.60E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.51E-05	0.00E+00
5931	440756.6	3768974	1.61E-04	4.65E-04	0.00E+00	1.82E-04	6.76E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.62E-05	0.00E+00
5932	440682.3	3768832	1.61E-04	5.51E-04	0.00E+00	1.82E-04	8.01E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.47E-05	0.00E+00
5933	440673.6	3768816	1.61E-04	5.59E-04	0.00E+00	1.82E-04	8.13E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.55E-05	0.00E+00
5934	440669.2	3768807	1.61E-04	5.63E-04	0.00E+00	1.82E-04	8.18E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.59E-05	0.00E+00
5935	441536.9	3769414	1.61E-04	3.35E-04	0.00E+00	1.82E-04	4.88E-04	0.00E+00	3.05E-05	8.31E-05	0.00E+00	1.33E-05	3.33E-05	0.00E+00
5936	441527.5	3769413	1.61E-04	3.33E-04	0.00E+00	1.82E-04	4.84E-04	0.00E+00	3.05E-05	8.25E-05	0.00E+00	1.33E-05	3.31E-05	0.00E+00
5937	441518.2	3769412	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.80E-04	0.00E+00	3.05E-05	8.19E-05	0.00E+00	1.33E-05	3.28E-05	0.00E+00
5938	441508.8	3769411	1.61E-04	3.28E-04	0.00E+00	1.82E-04	4.77E-04	0.00E+00	3.05E-05	8.12E-05	0.00E+00	1.33E-05	3.25E-05	0.00E+00
5939	441499.4	3769410	1.61E-04	3.26E-04	0.00E+00	1.82E-04	4.74E-04	0.00E+00	3.05E-05	8.09E-05	0.00E+00	1.33E-05	3.24E-05	0.00E+00
5940	441433.7	3769404	1.61E-04	3.10E-04	0.00E+00	1.82E-04	4.50E-04	0.00E+00	3.05E-05	7.68E-05	0.00E+00	1.33E-05	3.08E-05	0.00E+00
5941	441424.4	3769404	1.61E-04	3.07E-04	0.00E+00	1.82E-04	4.46E-04	0.00E+00	3.05E-05	7.60E-05	0.00E+00	1.33E-05	3.05E-05	0.00E+00
5942	441415	3769403	1.61E-04	3.05E-04	0.00E+00	1.82E-04	4.43E-04	0.00E+00	3.05E-05	7.55E-05	0.00E+00	1.33E-05	3.02E-05	0.00E+00
5943	441405.6	3769402	1.61E-04	3.03E-04	0.00E+00	1.82E-04	4.40E-04	0.00E+00	3.05E-05	7.50E-05	0.00E+00	1.33E-05	3.01E-05	0.00E+00
5944	441396.2	3769401	1.61E-04	3.01E-04	0.00E+00	1.82E-04	4.38E-04	0.00E+00	3.05E-05	7.46E-05	0.00E+00	1.33E-05	2.99E-05	0.00E+00
5945	441386.8	3769400	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.35E-04	0.00E+00	3.05E-05	7.42E-05	0.00E+00	1.33E-05	2.97E-05	0.00E+00
5946	441377.5	3769399	1.61E-04	2.99E-04	0.00E+00	1.82E-04	4.34E-04	0.00E+00	3.05E-05	7.40E-05	0.00E+00	1.33E-05	2.96E-05	0.00E+00
5947	441368.1	3769399	1.61E-04	2.98E-04	0.00E+00	1.82E-04	4.33E-04	0.00E+00	3.05E-05	7.38E-05	0.00E+00	1.33E-05	2.96E-05	0.00E+00
5948	441358.7	3769398	1.61E-04	2.97E-04	0.00E+00	1.82E-04	4.32E-04	0.00E+00	3.05E-05	7.37E-05	0.00E+00	1.33E-05	2.95E-05	0.00E+00
5949	441349.3	3769397	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.31E-04	0.00E+00	3.05E-05	7.35E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00

5950	441339.9	3769396	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.30E-04	0.00E+00	3.05E-05	7.33E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
5951	441330.6	3769395	1.61E-04	2.95E-04	0.00E+00	1.82E-04	4.29E-04	0.00E+00	3.05E-05	7.31E-05	0.00E+00	1.33E-05	2.93E-05	0.00E+00
5952	441321.2	3769394	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.28E-04	0.00E+00	3.05E-05	7.29E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
5953	441311.8	3769393	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.27E-04	0.00E+00	3.05E-05	7.27E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
5954	441302.4	3769393	1.61E-04	2.93E-04	0.00E+00	1.82E-04	4.26E-04	0.00E+00	3.05E-05	7.26E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
5955	441293.1	3769392	1.61E-04	2.92E-04	0.00E+00	1.82E-04	4.24E-04	0.00E+00	3.05E-05	7.23E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
5956	441283.7	3769391	1.61E-04	2.90E-04	0.00E+00	1.82E-04	4.22E-04	0.00E+00	3.05E-05	7.19E-05	0.00E+00	1.33E-05	2.88E-05	0.00E+00
5957	441274.3	3769390	1.61E-04	2.89E-04	0.00E+00	1.82E-04	4.20E-04	0.00E+00	3.05E-05	7.15E-05	0.00E+00	1.33E-05	2.87E-05	0.00E+00
5958	441264.9	3769389	1.61E-04	2.87E-04	0.00E+00	1.82E-04	4.17E-04	0.00E+00	3.05E-05	7.11E-05	0.00E+00	1.33E-05	2.85E-05	0.00E+00
5959	441255.5	3769388	1.61E-04	2.85E-04	0.00E+00	1.82E-04	4.14E-04	0.00E+00	3.05E-05	7.06E-05	0.00E+00	1.33E-05	2.83E-05	0.00E+00
5960	441246.2	3769387	1.61E-04	2.83E-04	0.00E+00	1.82E-04	4.11E-04	0.00E+00	3.05E-05	7.01E-05	0.00E+00	1.33E-05	2.81E-05	0.00E+00
5961	441236.8	3769387	1.61E-04	2.81E-04	0.00E+00	1.82E-04	4.09E-04	0.00E+00	3.05E-05	6.97E-05	0.00E+00	1.33E-05	2.79E-05	0.00E+00
5962	441227.4	3769386	1.61E-04	2.81E-04	0.00E+00	1.82E-04	4.09E-04	0.00E+00	3.05E-05	6.97E-05	0.00E+00	1.33E-05	2.79E-05	0.00E+00
5963	440904.7	3769332	1.61E-04	2.55E-04	0.00E+00	1.82E-04	3.71E-04	0.00E+00	3.05E-05	6.33E-05	0.00E+00	1.33E-05	2.53E-05	0.00E+00
5964	440900.4	3769324	1.61E-04	2.58E-04	0.00E+00	1.82E-04	3.76E-04	0.00E+00	3.05E-05	6.41E-05	0.00E+00	1.33E-05	2.57E-05	0.00E+00
5965	440896	3769316	1.61E-04	2.62E-04	0.00E+00	1.82E-04	3.80E-04	0.00E+00	3.05E-05	6.48E-05	0.00E+00	1.33E-05	2.60E-05	0.00E+00
5966	440878.5	3769282	1.61E-04	2.75E-04	0.00E+00	1.82E-04	3.99E-04	0.00E+00	3.05E-05	6.81E-05	0.00E+00	1.33E-05	2.73E-05	0.00E+00
5967	440874.1	3769274	1.61E-04	2.78E-04	0.00E+00	1.82E-04	4.04E-04	0.00E+00	3.05E-05	6.88E-05	0.00E+00	1.33E-05	2.76E-05	0.00E+00
5968	440799.8	3769132	1.61E-04	3.46E-04	0.00E+00	1.82E-04	5.02E-04	0.00E+00	3.05E-05	8.56E-05	0.00E+00	1.33E-05	3.43E-05	0.00E+00
5969	440795.4	3769124	1.61E-04	3.50E-04	0.00E+00	1.82E-04	5.09E-04	0.00E+00	3.05E-05	8.68E-05	0.00E+00	1.33E-05	3.48E-05	0.00E+00
5970	440791	3769116	1.61E-04	3.55E-04	0.00E+00	1.82E-04	5.16E-04	0.00E+00	3.05E-05	8.79E-05	0.00E+00	1.33E-05	3.52E-05	0.00E+00
5971	440786.7	3769107	1.61E-04	3.59E-04	0.00E+00	1.82E-04	5.22E-04	0.00E+00	3.05E-05	8.91E-05	0.00E+00	1.33E-05	3.57E-05	0.00E+00
5972	440782.3	3769099	1.61E-04	3.64E-04	0.00E+00	1.82E-04	5.29E-04	0.00E+00	3.05E-05	9.02E-05	0.00E+00	1.33E-05	3.61E-05	0.00E+00
5973	440777.9	3769090	1.61E-04	3.68E-04	0.00E+00	1.82E-04	5.36E-04	0.00E+00	3.05E-05	9.13E-05	0.00E+00	1.33E-05	3.66E-05	0.00E+00
5974	440773.5	3769082	1.61E-04	3.73E-04	0.00E+00	1.82E-04	5.42E-04	0.00E+00	3.05E-05	9.24E-05	0.00E+00	1.33E-05	3.70E-05	0.00E+00
5975	440769.2	3769074	1.61E-04	3.78E-04	0.00E+00	1.82E-04	5.49E-04	0.00E+00	3.05E-05	9.36E-05	0.00E+00	1.33E-05	3.75E-05	0.00E+00
5976	440764.8	3769065	1.61E-04	3.82E-04	0.00E+00	1.82E-04	5.56E-04	0.00E+00	3.05E-05	9.48E-05	0.00E+00	1.33E-05	3.80E-05	0.00E+00
5977	440760.4	3769057	1.61E-04	3.87E-04	0.00E+00	1.82E-04	5.63E-04	0.00E+00	3.05E-05	9.59E-05	0.00E+00	1.33E-05	3.84E-05	0.00E+00
5978	440756.1	3769049	1.61E-04	3.92E-04	0.00E+00	1.82E-04	5.70E-04	0.00E+00	3.05E-05	9.71E-05	0.00E+00	1.33E-05	3.89E-05	0.00E+00
5979	440729.8	3768999	1.61E-04	4.20E-04	0.00E+00	1.82E-04	6.11E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.17E-05	0.00E+00
5980	440725.4	3768990	1.61E-04	4.25E-04	0.00E+00	1.82E-04	6.17E-04	0.00E+00	3.05E-05	1.05E-04	0.00E+00	1.33E-05	4.22E-05	0.00E+00
5981	440716.7	3768974	1.61E-04	4.34E-04	0.00E+00	1.82E-04	6.31E-04	0.00E+00	3.05E-05	1.08E-04	0.00E+00	1.33E-05	4.31E-05	0.00E+00
5982	440642.3	3768832	1.61E-04	5.07E-04	0.00E+00	1.82E-04	7.37E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.03E-05	0.00E+00
5983	440629.2	3768807	1.61E-04	5.17E-04	0.00E+00	1.82E-04	7.52E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.14E-05	0.00E+00
5984	441543.4	3769450	1.61E-04	3.08E-04	0.00E+00	1.82E-04	4.48E-04	0.00E+00	3.05E-05	7.64E-05	0.00E+00	1.33E-05	3.06E-05	0.00E+00
5985	441534	3769449	1.61E-04	3.06E-04	0.00E+00	1.82E-04	4.45E-04	0.00E+00	3.05E-05	7.59E-05	0.00E+00	1.33E-05	3.04E-05	0.00E+00
5986	441524.6	3769448	1.61E-04	3.04E-04	0.00E+00	1.82E-04	4.42E-04	0.00E+00	3.05E-05	7.54E-05	0.00E+00	1.33E-05	3.02E-05	0.00E+00
5987	441515.2	3769447	1.61E-04	3.02E-04	0.00E+00	1.82E-04	4.39E-04	0.00E+00	3.05E-05	7.49E-05	0.00E+00	1.33E-05	3.00E-05	0.00E+00
5988	441505.8	3769446	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.37E-04	0.00E+00	3.05E-05	7.45E-05	0.00E+00	1.33E-05	2.98E-05	0.00E+00
5989	441440.1	3769440	1.61E-04	2.87E-04	0.00E+00	1.82E-04	4.17E-04	0.00E+00	3.05E-05	7.12E-05	0.00E+00	1.33E-05	2.85E-05	0.00E+00
5990	441430.7	3769439	1.61E-04	2.84E-04	0.00E+00	1.82E-04	4.13E-04	0.00E+00	3.05E-05	7.04E-05	0.00E+00	1.33E-05	2.82E-05	0.00E+00
5991	441421.3	3769439	1.61E-04	2.81E-04	0.00E+00	1.82E-04	4.08E-04	0.00E+00	3.05E-05	6.96E-05	0.00E+00	1.33E-05	2.79E-05	0.00E+00
5992	441411.9	3769438	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.06E-04	0.00E+00	3.05E-05	6.92E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
5993	441402.6	3769437	1.61E-04	2.78E-04	0.00E+00	1.82E-04	4.04E-04	0.00E+00	3.05E-05	6.88E-05	0.00E+00	1.33E-05	2.76E-05	0.00E+00
5994	441393.2	3769436	1.61E-04	2.77E-04	0.00E+00	1.82E-04	4.02E-04	0.00E+00	3.05E-05	6.85E-05	0.00E+00	1.33E-05	2.75E-05	0.00E+00
5995	441383.8	3769435	1.61E-04	2.76E-04	0.00E+00	1.82E-04	4.01E-04	0.00E+00	3.05E-05	6.83E-05	0.00E+00	1.33E-05	2.74E-05	0.00E+00
5996	441374.4	3769434	1.61E-04	2.75E-04	0.00E+00	1.82E-04	4.00E-04	0.00E+00	3.05E-05	6.82E-05	0.00E+00	1.33E-05	2.73E-05	0.00E+00
5997	441365	3769434	1.61E-04	2.74E-04	0.00E+00	1.82E-04	3.99E-04	0.00E+00	3.05E-05	6.80E-05	0.00E+00	1.33E-05	2.72E-05	0.00E+00
5998	441355.6	3769433	1.61E-04	2.74E-04	0.00E+00	1.82E-04	3.98E-04	0.00E+00	3.05E-05	6.79E-05	0.00E+00	1.33E-05	2.72E-05	0.00E+00
5999	441346.2	3769432	1.61E-04	2.73E-04	0.00E+00	1.82E-04	3.97E-04	0.00E+00	3.05E-05	6.77E-05	0.00E+00	1.33E-05	2.71E-05	0.00E+00
6000	441336.8	3769431	1.61E-04	2.73E-04	0.00E+00	1.82E-04	3.97E-04	0.00E+00	3.05E-05	6.76E-05	0.00E+00	1.33E-05	2.71E-05	0.00E+00
6001	441327.5	3769430	1.61E-04	2.72E-04	0.00E+00	1.82E-04	3.96E-04	0.00E+00	3.05E-05	6.75E-05	0.00E+00	1.33E-05	2.70E-05	0.00E+00
6002	441318.1	3769429	1.61E-04	2.72E-04	0.00E+00	1.82E-04	3.95E-04	0.00E+00	3.05E-05	6.73E-05	0.00E+00	1.33E-05	2.70E-05	0.00E+00
6003	441308.7	3769428	1.61E-04	2.71E-04	0.00E+00	1.82E-04	3.94E-04	0.00E+00	3.05E-05	6.71E-05	0.00E+00	1.33E-05	2.69E-05	0.00E+00
6004	441299.3	3769428	1.61E-04	2.70E-04	0.00E+00	1.82E-04	3.93E-04	0.00E+00	3.05E-05	6.70E-05	0.00E+00	1.33E-05	2.68E-05	0.00E+00
6005	441289.9	3769427	1.61E-04	2.69E-04	0.00E+00	1.82E-04	3.91E-04	0.00E+00	3.05E-05	6.67E-05	0.00E+00	1.33E-05	2.67E-05	0.00E+00
6006	441280.5	3769426	1.61E-04	2.68E-04	0.00E+00	1.82E-04	3.89E-04	0.00E+00	3.05E-05	6.64E-05	0.00E+00	1.33E-05	2.66E-05	0.00E+00
6007	441271.1	3769425	1.61E-04	2.67E-04	0.00E+00	1.82E-04	3.88E-04	0.00E+00	3.05E-05	6.61E-05	0.00E+00	1.33E-05	2.65E-05	0.00E+00
6008	441261.7	3769424	1.61E-04	2.65E-04	0.00E+00	1.82E-04	3.85E-04	0.00E+00	3.05E-05	6.57E-05	0.00E+00	1.33E-05	2.63E-05	0.00E+00
6009	441252.4	3769423	1.61E-04	2.64E-04	0.00E+00	1.82E-04	3.83E-04	0.00E+00	3.05E-05	6.53E-05	0.00E+00	1.33E-05	2.62E-05	0.00E+00
6010	441243	3769422	1.61E-04	2.62E-04	0.00E+00	1.82E-04	3.81E-04	0.00E+00	3.05E-05	6.49E-05	0.00E+00	1.33E-05	2.60E-05	0.00E+00
6011	441233.6	3769422	1.61E-04	2.61E-04	0.00E+00	1.82E-04	3.79E-04	0.00E+00	3.05E-05	6.47E-05	0.00E+00	1.33E-05	2.59E-05	0.00E+00
6012	441224.2	3769421	1.61E-04	2.60E-04	0.00E+00	1.82E-04	3.78E-04	0.00E+00	3.05E-05	6.45E-05	0.00E+00	1.33E-05	2.58E-05	0.00E+00
6013	441214.8	3769420	1.61E-04	2.60E-04	0.00E+00	1.82E-04	3.77E-04	0.00E+00	3.05E-05	6.43E-05	0.00E+00	1.33E-05	2.58E-05	0.00E+00
6014	441205.4	3769419	1.61E-04	2.59E-04	0.00E+00	1.82E-04	3.76E-04	0.00E+00	3.05E-05	6.42E-05	0.00E+00	1.33E-05	2.57E-05	0.00E+00
6015	441130.3	3769412	1.61E-04	2.56E-04	0.00E+00	1.82E-04	3.72E-04	0.00E+00	3.05E-05	6.34E-05	0.00E+00	1.33E-05	2.54E-05	0.00E+00
6016	441120.9	3769411	1.61E-04	2.55E-04	0.00E+00	1.82E-04	3.71E-04	0.00E+00	3.05E-05	6.33E-05	0.00E+00	1.33E-05	2.53E-05	0.00E+00
6017	441111.5	3769410	1.61E-04	2.55E-04	0.00E+00	1.82E-04	3.70E-04	0.00E+00	3.05E-05	6.31E-05	0.00E+00	1.33E-05	2.53E-05	0.00E+00
6018	441102.2	3769410	1.61E-04	2.54E-04	0.00E+00	1.82E-04	3.69E-04	0.00E+00	3.05E-05	6.29E-05	0.00E+00	1.33E-05	2.52E-05	0.00E+00
6019	441092.8	3769409	1.61E-04	2.53E-04	0.00E+00	1.82E-04	3.68E-04	0.00E+00	3.05E-05	6.27E-05	0.00E+00	1.33E-05	2.51E-05	0.00E+00
6020	441083.4	3769408	1.61E-04	2.52E-04	0.00E+00	1.82E-04	3.66E-04	0.00E+00	3.05E-05	6.25E-05	0.00E+00	1.33E-05	2.50E-05	0.00E+00
6021	441074	3769407	1.61E-04	2.51E-04	0.00E+00	1.82E-04	3.65E-04	0.00E+00	3.05E-05	6.22E-05	0.00E+00	1.33E-05	2.49E-05	0.00E+00
6022	441064.6	3769406	1.61E-04	2.50E-04	0.00E+00	1.82E-04	3.64E-04	0.00E+00	3.05E-05	6.20E-05	0.00E+00	1.33E-05	2.48E-05	0.00E+00
6023	440878.1	3769357	1.61E-04	2.36E-04	0.00E+00	1.82E-04	3.43E-04	0.00E+00	3.05E-05	5.85E-05	0.00E+00	1.33E-05	2.34E-05	0.00E+00
6024	440873.7	3769349	1.61E-04	2.39E-04	0.00E+00	1.82E-04	3.47E-04	0.00E+00	3.05E-05	5.92E-05	0.00E+00	1.33E-05	2.37E-05	0.00E+00
6025	440856.2	3769316	1.61E-04	2.51E-04	0.00E+00	1.82E-04	3.65E-04	0.00E+00	3.05E-05	6.22E-05	0.00E+00	1.33E-05	2.49E-05	0.00E+00
6026	440851.9	3769307	1.61E-04	2.54E-04	0.00E+00	1.82E-04	3.69E-04	0.00E+00	3.05E-05	6.29E-05	0.00E+00	1.33E-05	2.52E-05	0.00E+00
6027	440847.5	3769299	1.61E-04	2.57E-04	0.00E+00	1.82E-04	3.73E-04	0.00E+00	3.05E-05	6.36E-05	0.00E+00	1.33E-05	2.55E-05	0.00E+00
6028	440781.8	3769174	1.61E-04	3.05E-04	0.00E+00	1.82E-04	4.43E-04	0.00E+00	3.05E-05	7.56E-05	0.00E+00	1.33E-05	3.03E-05	0.00E+00
6029	440777.5	3769165	1.61E-04	3.09E-04	0.00E+00	1.82E-04	4.49E-04	0.00E+00	3.05E-05	7.65E-05	0.00E+00	1.33E-05	3.07E-05	0.00E+00
6030	440773.1	3769157	1.61E-04	3.12E-04	0.00E+00	1.82E-04	4.54E-04	0.00E+00	3.05E-05	7.74E-05	0.00E+00	1.33E-05	3.10E-05	0.00E+00
6031	440768.7	3769149	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.59E-04	0.00E+00	3.05E-05	7.83E-05	0.00E+00	1.33E-05	3.14E-05	0.00E+00
6032	440764.3	3769140	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.64E-04	0.00E+00	3.05E-05	7.91E-05	0.00E+00	1.33E-05	3.17E-05	0.00E+00
6033	440759.9	3769132	1.61E-04	3.24E-04	0.00E+00	1.82E-04	4.71E-04	0.00E+00	3.05E-05	8.02E-05	0.00E+00	1.33E-05	3.21E-05	0.00E+00
6034	440755.6	3769123	1.61E-04	3.32E-04	0.00E+00	1.82E-04	4.82E-04	0.00E+00	3.05E-05	8.22E-05	0.00E+00	1.33E-05	3.29E-05	0.00E+00
6035	440751.2	3769115	1.61E-04	3.36E-04	0.00E+00	1.82E-04	4.88E-04	0.00E+00	3.05E-05	8.32E-05	0.00E+00	1.33E-05	3.33E-05	0.00E+00
6036	440746.8	3769107	1.61E-04	3.40E-04	0.00E+00	1.82E-04	4.94E-04	0.00E+00	3.05E-05	8.43E-05	0.00E+00	1.33E-05	3.38E-05	0.00E+00
6037	440742.4	3769098	1.61E-04	3.44E-04	0.00E+00	1.82E-04	5.00E-04	0.00E+00	3.05E-05	8.53E-05	0.00E+00	1.33E-05	3.42E-05	0.00E+00
6038	440738.1	3769090	1.61E-04	3.48E-04	0.00E+00	1.82E-04	5.06E-04	0.00E+00	3.05E-05	8.63E-05	0.00E+00	1.33E-05	3.46E-05	0.00E+00
6039	440733.7	3769082	1.61E-04	3.52E-04	0.00E+00	1.82E-04	5.12E-04	0.00E+00	3.05E-05	8.73E-05	0.00E+00	1.33E-05	3.50E-05	0.00E+00
6040	440729.3	3769073	1.61E-04	3.56E-04	0.00E+00	1.82E-04	5.18E-04	0.00E+00	3.05E-05	8.83E-05	0.00E+00	1.33E-05	3.54E-05	0.00E+00
6041	440724.9	3769065	1.61E-04	3.60E-04	0.00E+00	1.82E-04	5.24E-04	0.00E+00	3.05E-05	8.93E-05	0.00E+00	1.33E-05	3.58E-05	0.00E+00
6042	440720.5	3769057	1.61E-04	3.64E-04	0.00E+00	1.82E-04	5.30E-04	0.00E+00	3.05E-05	9.03E-05	0.00E+00	1.33E-05	3.62E-05	0.00E+00
6043	440716.2	3769048	1.61E-04	3.68E-04	0.00E+00	1.82E-04	5.36E-04	0.00E+00	3.05E-05	9.13E-05	0.00E+00	1.33E-05	3.66E-05	0.00E+00
6044	440689.9	3768998	1.61E-04	3.93E-04	0.00E+00	1.82E-04	5.72E-04	0.00E+00	3.05E-05	9.75E-05	0.00E+00	1.33E-05	3.90E-05	0.00E+00
6045	440685.5	3768990	1.61E-04	3.97E-04	0.00E+00	1.82E-04	5.78E-04	0.00E+00	3.05E-05	9.85E-05	0.00E+00	1.33E-05	3.95E-05	0.00E+00

6046	440681.2	3768982	1.61E-04	4.02E-04	0.00E+00	1.82E-04	5.84E-04	0.00E+00	3.05E-05	9.96E-05	0.00E+00	1.33E-05	3.99E-05	0.00E+00
6047	440676.8	3768973	1.61E-04	4.06E-04	0.00E+00	1.82E-04	5.90E-04	0.00E+00	3.05E-05	1.01E-04	0.00E+00	1.33E-05	4.03E-05	0.00E+00
6048	441549.8	3769486	1.61E-04	2.83E-04	0.00E+00	1.82E-04	4.12E-04	0.00E+00	3.05E-05	7.02E-05	0.00E+00	1.33E-05	2.81E-05	0.00E+00
6049	441540.4	3769485	1.61E-04	2.82E-04	0.00E+00	1.82E-04	4.09E-04	0.00E+00	3.05E-05	6.98E-05	0.00E+00	1.33E-05	2.80E-05	0.00E+00
6050	441531	3769484	1.61E-04	2.80E-04	0.00E+00	1.82E-04	4.06E-04	0.00E+00	3.05E-05	6.93E-05	0.00E+00	1.33E-05	2.78E-05	0.00E+00
6051	441521.6	3769483	1.61E-04	2.78E-04	0.00E+00	1.82E-04	4.03E-04	0.00E+00	3.05E-05	6.88E-05	0.00E+00	1.33E-05	2.75E-05	0.00E+00
6052	441512.2	3769482	1.61E-04	2.75E-04	0.00E+00	1.82E-04	4.00E-04	0.00E+00	3.05E-05	6.83E-05	0.00E+00	1.33E-05	2.73E-05	0.00E+00
6053	441465.3	3769478	1.61E-04	2.69E-04	0.00E+00	1.82E-04	3.90E-04	0.00E+00	3.05E-05	6.65E-05	0.00E+00	1.33E-05	2.67E-05	0.00E+00
6054	441455.9	3769477	1.61E-04	2.67E-04	0.00E+00	1.82E-04	3.88E-04	0.00E+00	3.05E-05	6.61E-05	0.00E+00	1.33E-05	2.65E-05	0.00E+00
6055	441446.5	3769476	1.61E-04	2.65E-04	0.00E+00	1.82E-04	3.85E-04	0.00E+00	3.05E-05	6.56E-05	0.00E+00	1.33E-05	2.63E-05	0.00E+00
6056	441437.1	3769475	1.61E-04	2.63E-04	0.00E+00	1.82E-04	3.82E-04	0.00E+00	3.05E-05	6.52E-05	0.00E+00	1.33E-05	2.61E-05	0.00E+00
6057	441427.7	3769475	1.61E-04	2.61E-04	0.00E+00	1.82E-04	3.80E-04	0.00E+00	3.05E-05	6.47E-05	0.00E+00	1.33E-05	2.59E-05	0.00E+00
6058	441418.3	3769474	1.61E-04	2.60E-04	0.00E+00	1.82E-04	3.77E-04	0.00E+00	3.05E-05	6.43E-05	0.00E+00	1.33E-05	2.58E-05	0.00E+00
6059	441408.9	3769473	1.61E-04	2.58E-04	0.00E+00	1.82E-04	3.75E-04	0.00E+00	3.05E-05	6.39E-05	0.00E+00	1.33E-05	2.56E-05	0.00E+00
6060	441399.5	3769472	1.61E-04	2.56E-04	0.00E+00	1.82E-04	3.73E-04	0.00E+00	3.05E-05	6.35E-05	0.00E+00	1.33E-05	2.55E-05	0.00E+00
6061	441390.1	3769471	1.61E-04	2.55E-04	0.00E+00	1.82E-04	3.70E-04	0.00E+00	3.05E-05	6.32E-05	0.00E+00	1.33E-05	2.53E-05	0.00E+00
6062	441380.7	3769470	1.61E-04	2.54E-04	0.00E+00	1.82E-04	3.70E-04	0.00E+00	3.05E-05	6.30E-05	0.00E+00	1.33E-05	2.52E-05	0.00E+00
6063	441371.3	3769469	1.61E-04	2.54E-04	0.00E+00	1.82E-04	3.69E-04	0.00E+00	3.05E-05	6.29E-05	0.00E+00	1.33E-05	2.52E-05	0.00E+00
6064	441361.9	3769468	1.61E-04	2.54E-04	0.00E+00	1.82E-04	3.68E-04	0.00E+00	3.05E-05	6.28E-05	0.00E+00	1.33E-05	2.52E-05	0.00E+00
6065	441352.5	3769468	1.61E-04	2.53E-04	0.00E+00	1.82E-04	3.67E-04	0.00E+00	3.05E-05	6.26E-05	0.00E+00	1.33E-05	2.51E-05	0.00E+00
6066	441343.1	3769467	1.61E-04	2.52E-04	0.00E+00	1.82E-04	3.66E-04	0.00E+00	3.05E-05	6.25E-05	0.00E+00	1.33E-05	2.50E-05	0.00E+00
6067	441333.7	3769466	1.61E-04	2.51E-04	0.00E+00	1.82E-04	3.65E-04	0.00E+00	3.05E-05	6.23E-05	0.00E+00	1.33E-05	2.50E-05	0.00E+00
6068	441324.3	3769465	1.61E-04	2.51E-04	0.00E+00	1.82E-04	3.65E-04	0.00E+00	3.05E-05	6.22E-05	0.00E+00	1.33E-05	2.49E-05	0.00E+00
6069	441314.9	3769464	1.61E-04	2.51E-04	0.00E+00	1.82E-04	3.64E-04	0.00E+00	3.05E-05	6.21E-05	0.00E+00	1.33E-05	2.49E-05	0.00E+00
6070	441305.6	3769463	1.61E-04	2.50E-04	0.00E+00	1.82E-04	3.64E-04	0.00E+00	3.05E-05	6.20E-05	0.00E+00	1.33E-05	2.48E-05	0.00E+00
6071	441296.2	3769462	1.61E-04	2.50E-04	0.00E+00	1.82E-04	3.63E-04	0.00E+00	3.05E-05	6.18E-05	0.00E+00	1.33E-05	2.48E-05	0.00E+00
6072	441286.8	3769462	1.61E-04	2.49E-04	0.00E+00	1.82E-04	3.61E-04	0.00E+00	3.05E-05	6.16E-05	0.00E+00	1.33E-05	2.47E-05	0.00E+00
6073	441277.4	3769461	1.61E-04	2.48E-04	0.00E+00	1.82E-04	3.60E-04	0.00E+00	3.05E-05	6.13E-05	0.00E+00	1.33E-05	2.46E-05	0.00E+00
6074	441268	3769460	1.61E-04	2.46E-04	0.00E+00	1.82E-04	3.58E-04	0.00E+00	3.05E-05	6.11E-05	0.00E+00	1.33E-05	2.45E-05	0.00E+00
6075	441249.2	3769458	1.61E-04	2.44E-04	0.00E+00	1.82E-04	3.54E-04	0.00E+00	3.05E-05	6.04E-05	0.00E+00	1.33E-05	2.42E-05	0.00E+00
6076	441239.8	3769457	1.61E-04	2.42E-04	0.00E+00	1.82E-04	3.52E-04	0.00E+00	3.05E-05	6.00E-05	0.00E+00	1.33E-05	2.40E-05	0.00E+00
6077	441230.4	3769456	1.61E-04	2.42E-04	0.00E+00	1.82E-04	3.51E-04	0.00E+00	3.05E-05	5.99E-05	0.00E+00	1.33E-05	2.40E-05	0.00E+00
6078	441221	3769456	1.61E-04	2.41E-04	0.00E+00	1.82E-04	3.50E-04	0.00E+00	3.05E-05	5.97E-05	0.00E+00	1.33E-05	2.39E-05	0.00E+00
6079	441211.6	3769455	1.61E-04	2.40E-04	0.00E+00	1.82E-04	3.49E-04	0.00E+00	3.05E-05	5.96E-05	0.00E+00	1.33E-05	2.39E-05	0.00E+00
6080	441202.2	3769454	1.61E-04	2.40E-04	0.00E+00	1.82E-04	3.49E-04	0.00E+00	3.05E-05	5.94E-05	0.00E+00	1.33E-05	2.38E-05	0.00E+00
6081	441183.4	3769452	1.61E-04	2.39E-04	0.00E+00	1.82E-04	3.47E-04	0.00E+00	3.05E-05	5.92E-05	0.00E+00	1.33E-05	2.37E-05	0.00E+00
6082	441117.7	3769446	1.61E-04	2.37E-04	0.00E+00	1.82E-04	3.44E-04	0.00E+00	3.05E-05	5.87E-05	0.00E+00	1.33E-05	2.35E-05	0.00E+00
6083	441108.3	3769445	1.61E-04	2.36E-04	0.00E+00	1.82E-04	3.43E-04	0.00E+00	3.05E-05	5.85E-05	0.00E+00	1.33E-05	2.34E-05	0.00E+00
6084	441098.9	3769444	1.61E-04	2.35E-04	0.00E+00	1.82E-04	3.42E-04	0.00E+00	3.05E-05	5.83E-05	0.00E+00	1.33E-05	2.34E-05	0.00E+00
6085	441089.5	3769444	1.61E-04	2.35E-04	0.00E+00	1.82E-04	3.41E-04	0.00E+00	3.05E-05	5.82E-05	0.00E+00	1.33E-05	2.33E-05	0.00E+00
6086	441080.1	3769443	1.61E-04	2.34E-04	0.00E+00	1.82E-04	3.40E-04	0.00E+00	3.05E-05	5.80E-05	0.00E+00	1.33E-05	2.32E-05	0.00E+00
6087	441070.7	3769442	1.61E-04	2.33E-04	0.00E+00	1.82E-04	3.39E-04	0.00E+00	3.05E-05	5.78E-05	0.00E+00	1.33E-05	2.32E-05	0.00E+00
6088	441061.3	3769441	1.61E-04	2.32E-04	0.00E+00	1.82E-04	3.38E-04	0.00E+00	3.05E-05	5.76E-05	0.00E+00	1.33E-05	2.31E-05	0.00E+00
6089	441051.9	3769440	1.61E-04	2.31E-04	0.00E+00	1.82E-04	3.36E-04	0.00E+00	3.05E-05	5.73E-05	0.00E+00	1.33E-05	2.30E-05	0.00E+00
6090	440929.8	3769429	1.61E-04	2.18E-04	0.00E+00	1.82E-04	3.17E-04	0.00E+00	3.05E-05	5.41E-05	0.00E+00	1.33E-05	2.17E-05	0.00E+00
6091	440860.3	3769399	1.61E-04	2.16E-04	0.00E+00	1.82E-04	3.14E-04	0.00E+00	3.05E-05	5.35E-05	0.00E+00	1.33E-05	2.14E-05	0.00E+00
6092	440855.9	3769390	1.61E-04	2.18E-04	0.00E+00	1.82E-04	3.17E-04	0.00E+00	3.05E-05	5.40E-05	0.00E+00	1.33E-05	2.16E-05	0.00E+00
6093	440834	3769349	1.61E-04	2.31E-04	0.00E+00	1.82E-04	3.35E-04	0.00E+00	3.05E-05	5.71E-05	0.00E+00	1.33E-05	2.29E-05	0.00E+00
6094	440829.6	3769340	1.61E-04	2.33E-04	0.00E+00	1.82E-04	3.39E-04	0.00E+00	3.05E-05	5.77E-05	0.00E+00	1.33E-05	2.31E-05	0.00E+00
6095	440742	3769173	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.28E-04	0.00E+00	3.05E-05	7.30E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
6096	440737.6	3769165	1.61E-04	2.98E-04	0.00E+00	1.82E-04	4.33E-04	0.00E+00	3.05E-05	7.38E-05	0.00E+00	1.33E-05	2.96E-05	0.00E+00
6097	440733.2	3769157	1.61E-04	3.01E-04	0.00E+00	1.82E-04	4.38E-04	0.00E+00	3.05E-05	7.46E-05	0.00E+00	1.33E-05	2.99E-05	0.00E+00
6098	440728.8	3769148	1.61E-04	3.05E-04	0.00E+00	1.82E-04	4.43E-04	0.00E+00	3.05E-05	7.55E-05	0.00E+00	1.33E-05	3.02E-05	0.00E+00
6099	440724.5	3769140	1.61E-04	3.08E-04	0.00E+00	1.82E-04	4.48E-04	0.00E+00	3.05E-05	7.63E-05	0.00E+00	1.33E-05	3.06E-05	0.00E+00
6100	440720.1	3769131	1.61E-04	3.12E-04	0.00E+00	1.82E-04	4.53E-04	0.00E+00	3.05E-05	7.72E-05	0.00E+00	1.33E-05	3.09E-05	0.00E+00
6101	440715.7	3769123	1.61E-04	3.15E-04	0.00E+00	1.82E-04	4.58E-04	0.00E+00	3.05E-05	7.81E-05	0.00E+00	1.33E-05	3.13E-05	0.00E+00
6102	440711.3	3769115	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.63E-04	0.00E+00	3.05E-05	7.90E-05	0.00E+00	1.33E-05	3.16E-05	0.00E+00
6103	440706.9	3769106	1.61E-04	3.22E-04	0.00E+00	1.82E-04	4.69E-04	0.00E+00	3.05E-05	7.99E-05	0.00E+00	1.33E-05	3.20E-05	0.00E+00
6104	440702.6	3769098	1.61E-04	3.26E-04	0.00E+00	1.82E-04	4.74E-04	0.00E+00	3.05E-05	8.08E-05	0.00E+00	1.33E-05	3.24E-05	0.00E+00
6105	440698.2	3769090	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.79E-04	0.00E+00	3.05E-05	8.17E-05	0.00E+00	1.33E-05	3.27E-05	0.00E+00
6106	440693.8	3769081	1.61E-04	3.33E-04	0.00E+00	1.82E-04	4.84E-04	0.00E+00	3.05E-05	8.26E-05	0.00E+00	1.33E-05	3.31E-05	0.00E+00
6107	440689.4	3769073	1.61E-04	3.37E-04	0.00E+00	1.82E-04	4.90E-04	0.00E+00	3.05E-05	8.35E-05	0.00E+00	1.33E-05	3.34E-05	0.00E+00
6108	440685	3769065	1.61E-04	3.40E-04	0.00E+00	1.82E-04	4.95E-04	0.00E+00	3.05E-05	8.43E-05	0.00E+00	1.33E-05	3.38E-05	0.00E+00
6109	440680.7	3769056	1.61E-04	3.44E-04	0.00E+00	1.82E-04	5.00E-04	0.00E+00	3.05E-05	8.52E-05	0.00E+00	1.33E-05	3.41E-05	0.00E+00
6110	440676.3	3769048	1.61E-04	3.48E-04	0.00E+00	1.82E-04	5.05E-04	0.00E+00	3.05E-05	8.62E-05	0.00E+00	1.33E-05	3.45E-05	0.00E+00
6111	440650	3768998	1.61E-04	3.70E-04	0.00E+00	1.82E-04	5.38E-04	0.00E+00	3.05E-05	9.17E-05	0.00E+00	1.33E-05	3.67E-05	0.00E+00
6112	440645.6	3768989	1.61E-04	3.74E-04	0.00E+00	1.82E-04	5.43E-04	0.00E+00	3.05E-05	9.26E-05	0.00E+00	1.33E-05	3.71E-05	0.00E+00
6113	440641.2	3768981	1.61E-04	3.77E-04	0.00E+00	1.82E-04	5.48E-04	0.00E+00	3.05E-05	9.35E-05	0.00E+00	1.33E-05	3.75E-05	0.00E+00
6114	440636.9	3768973	1.61E-04	3.81E-04	0.00E+00	1.82E-04	5.54E-04	0.00E+00	3.05E-05	9.44E-05	0.00E+00	1.33E-05	3.78E-05	0.00E+00
6115	441546.8	3769521	1.61E-04	2.59E-04	0.00E+00	1.82E-04	3.77E-04	0.00E+00	3.05E-05	6.42E-05	0.00E+00	1.33E-05	2.57E-05	0.00E+00
6116	441537.4	3769520	1.61E-04	2.58E-04	0.00E+00	1.82E-04	3.74E-04	0.00E+00	3.05E-05	6.38E-05	0.00E+00	1.33E-05	2.56E-05	0.00E+00
6117	441528	3769519	1.61E-04	2.56E-04	0.00E+00	1.82E-04	3.72E-04	0.00E+00	3.05E-05	6.34E-05	0.00E+00	1.33E-05	2.54E-05	0.00E+00
6118	441481	3769515	1.61E-04	2.49E-04	0.00E+00	1.82E-04	3.61E-04	0.00E+00	3.05E-05	6.16E-05	0.00E+00	1.33E-05	2.47E-05	0.00E+00
6119	441471.6	3769514	1.61E-04	2.47E-04	0.00E+00	1.82E-04	3.59E-04	0.00E+00	3.05E-05	6.12E-05	0.00E+00	1.33E-05	2.45E-05	0.00E+00
6120	441462.2	3769513	1.61E-04	2.45E-04	0.00E+00	1.82E-04	3.56E-04	0.00E+00	3.05E-05	6.08E-05	0.00E+00	1.33E-05	2.43E-05	0.00E+00
6121	441452.8	3769512	1.61E-04	2.44E-04	0.00E+00	1.82E-04	3.54E-04	0.00E+00	3.05E-05	6.04E-05	0.00E+00	1.33E-05	2.42E-05	0.00E+00
6122	441443.4	3769511	1.61E-04	2.42E-04	0.00E+00	1.82E-04	3.52E-04	0.00E+00	3.05E-05	6.00E-05	0.00E+00	1.33E-05	2.40E-05	0.00E+00
6123	440860.6	3769458	1.61E-04	1.97E-04	0.00E+00	1.82E-04	2.86E-04	0.00E+00	3.05E-05	4.87E-05	0.00E+00	1.33E-05	1.95E-05	0.00E+00
6124	440838	3769432	1.61E-04	2.01E-04	0.00E+00	1.82E-04	2.92E-04	0.00E+00	3.05E-05	4.98E-05	0.00E+00	1.33E-05	1.99E-05	0.00E+00
6125	440833.6	3769424	1.61E-04	2.03E-04	0.00E+00	1.82E-04	2.95E-04	0.00E+00	3.05E-05	5.03E-05	0.00E+00	1.33E-05	2.01E-05	0.00E+00
6126	440829.2	3769415	1.61E-04	2.05E-04	0.00E+00	1.82E-04	2.98E-04	0.00E+00	3.05E-05	5.08E-05	0.00E+00	1.33E-05	2.04E-05	0.00E+00
6127	440824.9	3769407	1.61E-04	2.07E-04	0.00E+00	1.82E-04	3.01E-04	0.00E+00	3.05E-05	5.14E-05	0.00E+00	1.33E-05	2.06E-05	0.00E+00
6128	440798.6	3769357	1.61E-04	2.20E-04	0.00E+00	1.82E-04	3.20E-04	0.00E+00	3.05E-05	5.45E-05	0.00E+00	1.33E-05	2.18E-05	0.00E+00
6129	440794.2	3769348	1.61E-04	2.22E-04	0.00E+00	1.82E-04	3.23E-04	0.00E+00	3.05E-05	5.50E-05	0.00E+00	1.33E-05	2.20E-05	0.00E+00
6130	440781	3769323	1.61E-04	2.28E-04	0.00E+00	1.82E-04	3.31E-04	0.00E+00	3.05E-05	5.64E-05	0.00E+00	1.33E-05	2.26E-05	0.00E+00
6131	440776.6	3769315	1.61E-04	2.30E-04	0.00E+00	1.82E-04	3.34E-04	0.00E+00	3.05E-05	5.69E-05	0.00E+00	1.33E-05	2.28E-05	0.00E+00
6132	440702.1	3769173	1.61E-04	2.77E-04	0.00E+00	1.82E-04	4.02E-04	0.00E+00	3.05E-05	6.86E-05	0.00E+00	1.33E-05	2.75E-05	0.00E+00
6133	440697.7	3769165	1.61E-04	2.80E-04	0.00E+00	1.82E-04	4.07E-04	0.00E+00	3.05E-05	6.94E-05	0.00E+00	1.33E-05	2.78E-05	0.00E+00
6134	440693.4	3769156	1.61E-04	2.87E-04	0.00E+00	1.82E-04	4.17E-04	0.00E+00	3.05E-05	7.11E-05	0.00E+00	1.33E-05	2.85E-05	0.00E+00
6135	440689	3769148	1.61E-04	2.90E-04	0.00E+00	1.82E-04	4.22E-04	0.00E+00	3.05E-05	7.19E-05	0.00E+00	1.33E-05	2.88E-05	0.00E+00
6136	440684.6	3769139	1.61E-04	2.93E-04	0.00E+00	1.82E-04	4.26E-04	0.00E+00	3.05E-05	7.26E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
6137	440680.2	3769131	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.31E-04	0.00E+00	3.05E-05	7.34E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
6138	440675.8	3769123	1.61E-04	2.99E-04	0.00E+00	1.82E-04	4.35E-04	0.00E+00	3.05E-05	7.42E-05	0.00E+00	1.33E-05	2.97E-05	0.00E+00
6139	440671.4	3769114	1.61E-04	3.03E-04	0.00E+00	1.82E-04	4.40E-04	0.00E+00	3.05E-05	7.50E-05	0.00E+00	1.33E-05	3.00E-05	0.00E+00
6140	440667.1	3769106	1.61E-04	3.06E-04	0.00E+00	1.82E-04	4.45E-04	0.00E+00	3.05E-05	7.58E-05	0.00E+00	1.33E-05	3.04E-05	0.00E+00
6141	440662.7	3769098	1.61E-04	3.09E-04	0.00E+00	1.82E-04	4.49E-04	0.00E+00	3.05E-05	7.66E-05	0.00E+00	1.33E-05	3.07E-05	0.00E+00

6142	440658.3	3769089	1.61E-04	3.12E-04	0.00E+00	1.82E-04	4.54E-04	0.00E+00	3.05E-05	7.74E-05	0.00E+00	1.33E-05	3.10E-05	0.00E+00
6143	440653.9	3769081	1.61E-04	3.16E-04	0.00E+00	1.82E-04	4.59E-04	0.00E+00	3.05E-05	7.82E-05	0.00E+00	1.33E-05	3.13E-05	0.00E+00
6144	440649.5	3769073	1.61E-04	3.19E-04	0.00E+00	1.82E-04	4.64E-04	0.00E+00	3.05E-05	7.90E-05	0.00E+00	1.33E-05	3.17E-05	0.00E+00
6145	440645.1	3769064	1.61E-04	3.22E-04	0.00E+00	1.82E-04	4.68E-04	0.00E+00	3.05E-05	7.99E-05	0.00E+00	1.33E-05	3.20E-05	0.00E+00
6146	440640.8	3769056	1.61E-04	3.26E-04	0.00E+00	1.82E-04	4.73E-04	0.00E+00	3.05E-05	8.07E-05	0.00E+00	1.33E-05	3.23E-05	0.00E+00
6147	440636.4	3769047	1.61E-04	3.29E-04	0.00E+00	1.82E-04	4.78E-04	0.00E+00	3.05E-05	8.15E-05	0.00E+00	1.33E-05	3.27E-05	0.00E+00
6148	440610.1	3768997	1.61E-04	3.49E-04	0.00E+00	1.82E-04	5.07E-04	0.00E+00	3.05E-05	8.64E-05	0.00E+00	1.33E-05	3.46E-05	0.00E+00
6149	440605.7	3768989	1.61E-04	3.52E-04	0.00E+00	1.82E-04	5.12E-04	0.00E+00	3.05E-05	8.72E-05	0.00E+00	1.33E-05	3.49E-05	0.00E+00
6150	441553.3	3769557	1.61E-04	2.39E-04	0.00E+00	1.82E-04	3.48E-04	0.00E+00	3.05E-05	5.93E-05	0.00E+00	1.33E-05	2.38E-05	0.00E+00
6151	441543.9	3769556	1.61E-04	2.38E-04	0.00E+00	1.82E-04	3.46E-04	0.00E+00	3.05E-05	5.90E-05	0.00E+00	1.33E-05	2.36E-05	0.00E+00
6152	441534.4	3769555	1.61E-04	2.37E-04	0.00E+00	1.82E-04	3.44E-04	0.00E+00	3.05E-05	5.86E-05	0.00E+00	1.33E-05	2.35E-05	0.00E+00
6153	441525	3769554	1.61E-04	2.35E-04	0.00E+00	1.82E-04	3.42E-04	0.00E+00	3.05E-05	5.83E-05	0.00E+00	1.33E-05	2.34E-05	0.00E+00
6154	441515.6	3769553	1.61E-04	2.34E-04	0.00E+00	1.82E-04	3.40E-04	0.00E+00	3.05E-05	5.80E-05	0.00E+00	1.33E-05	2.32E-05	0.00E+00
6155	441506.2	3769552	1.61E-04	2.33E-04	0.00E+00	1.82E-04	3.38E-04	0.00E+00	3.05E-05	5.77E-05	0.00E+00	1.33E-05	2.31E-05	0.00E+00
6156	441496.8	3769551	1.61E-04	2.31E-04	0.00E+00	1.82E-04	3.36E-04	0.00E+00	3.05E-05	5.73E-05	0.00E+00	1.33E-05	2.30E-05	0.00E+00
6157	441487.4	3769551	1.61E-04	2.30E-04	0.00E+00	1.82E-04	3.34E-04	0.00E+00	3.05E-05	5.70E-05	0.00E+00	1.33E-05	2.28E-05	0.00E+00
6158	441478	3769550	1.61E-04	2.29E-04	0.00E+00	1.82E-04	3.32E-04	0.00E+00	3.05E-05	5.66E-05	0.00E+00	1.33E-05	2.27E-05	0.00E+00
6159	441468.6	3769549	1.61E-04	2.27E-04	0.00E+00	1.82E-04	3.30E-04	0.00E+00	3.05E-05	5.62E-05	0.00E+00	1.33E-05	2.25E-05	0.00E+00
6160	441459.2	3769548	1.61E-04	2.25E-04	0.00E+00	1.82E-04	3.28E-04	0.00E+00	3.05E-05	5.58E-05	0.00E+00	1.33E-05	2.24E-05	0.00E+00
6161	441449.8	3769547	1.61E-04	2.24E-04	0.00E+00	1.82E-04	3.25E-04	0.00E+00	3.05E-05	5.55E-05	0.00E+00	1.33E-05	2.22E-05	0.00E+00
6162	441440.4	3769546	1.61E-04	2.23E-04	0.00E+00	1.82E-04	3.24E-04	0.00E+00	3.05E-05	5.52E-05	0.00E+00	1.33E-05	2.21E-05	0.00E+00
6163	441177	3769522	1.61E-04	2.08E-04	0.00E+00	1.82E-04	3.03E-04	0.00E+00	3.05E-05	5.16E-05	0.00E+00	1.33E-05	2.07E-05	0.00E+00
6164	441167.6	3769521	1.61E-04	2.08E-04	0.00E+00	1.82E-04	3.02E-04	0.00E+00	3.05E-05	5.15E-05	0.00E+00	1.33E-05	2.06E-05	0.00E+00
6165	441158.2	3769520	1.61E-04	2.07E-04	0.00E+00	1.82E-04	3.01E-04	0.00E+00	3.05E-05	5.13E-05	0.00E+00	1.33E-05	2.06E-05	0.00E+00
6166	440802.6	3769440	1.61E-04	1.93E-04	0.00E+00	1.82E-04	2.80E-04	0.00E+00	3.05E-05	4.77E-05	0.00E+00	1.33E-05	1.91E-05	0.00E+00
6167	440785.1	3769407	1.61E-04	2.00E-04	0.00E+00	1.82E-04	2.91E-04	0.00E+00	3.05E-05	4.96E-05	0.00E+00	1.33E-05	1.99E-05	0.00E+00
6168	440780.7	3769398	1.61E-04	2.02E-04	0.00E+00	1.82E-04	2.94E-04	0.00E+00	3.05E-05	5.01E-05	0.00E+00	1.33E-05	2.01E-05	0.00E+00
6169	440776.3	3769390	1.61E-04	2.04E-04	0.00E+00	1.82E-04	2.97E-04	0.00E+00	3.05E-05	5.06E-05	0.00E+00	1.33E-05	2.03E-05	0.00E+00
6170	440758.7	3769357	1.61E-04	2.11E-04	0.00E+00	1.82E-04	3.07E-04	0.00E+00	3.05E-05	5.24E-05	0.00E+00	1.33E-05	2.10E-05	0.00E+00
6171	440754.4	3769348	1.61E-04	2.13E-04	0.00E+00	1.82E-04	3.10E-04	0.00E+00	3.05E-05	5.28E-05	0.00E+00	1.33E-05	2.12E-05	0.00E+00
6172	440750	3769340	1.61E-04	2.15E-04	0.00E+00	1.82E-04	3.13E-04	0.00E+00	3.05E-05	5.33E-05	0.00E+00	1.33E-05	2.13E-05	0.00E+00
6173	440745.6	3769331	1.61E-04	2.17E-04	0.00E+00	1.82E-04	3.15E-04	0.00E+00	3.05E-05	5.37E-05	0.00E+00	1.33E-05	2.15E-05	0.00E+00
6174	440736.8	3769315	1.61E-04	2.21E-04	0.00E+00	1.82E-04	3.21E-04	0.00E+00	3.05E-05	5.47E-05	0.00E+00	1.33E-05	2.19E-05	0.00E+00
6175	440662.2	3769172	1.61E-04	2.68E-04	0.00E+00	1.82E-04	3.90E-04	0.00E+00	3.05E-05	6.65E-05	0.00E+00	1.33E-05	2.66E-05	0.00E+00
6176	440653.5	3769156	1.61E-04	2.74E-04	0.00E+00	1.82E-04	3.98E-04	0.00E+00	3.05E-05	6.79E-05	0.00E+00	1.33E-05	2.72E-05	0.00E+00
6177	440649.1	3769147	1.61E-04	2.77E-04	0.00E+00	1.82E-04	4.02E-04	0.00E+00	3.05E-05	6.86E-05	0.00E+00	1.33E-05	2.75E-05	0.00E+00
6178	440644.7	3769139	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.06E-04	0.00E+00	3.05E-05	6.93E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
6179	440640.3	3769131	1.61E-04	2.82E-04	0.00E+00	1.82E-04	4.10E-04	0.00E+00	3.05E-05	7.00E-05	0.00E+00	1.33E-05	2.80E-05	0.00E+00
6180	440635.9	3769122	1.61E-04	2.85E-04	0.00E+00	1.82E-04	4.14E-04	0.00E+00	3.05E-05	7.07E-05	0.00E+00	1.33E-05	2.83E-05	0.00E+00
6181	440631.5	3769114	1.61E-04	2.88E-04	0.00E+00	1.82E-04	4.19E-04	0.00E+00	3.05E-05	7.14E-05	0.00E+00	1.33E-05	2.86E-05	0.00E+00
6182	440627.2	3769106	1.61E-04	2.91E-04	0.00E+00	1.82E-04	4.23E-04	0.00E+00	3.05E-05	7.21E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
6183	440622.8	3769097	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.27E-04	0.00E+00	3.05E-05	7.28E-05	0.00E+00	1.33E-05	2.92E-05	0.00E+00
6184	440618.4	3769089	1.61E-04	2.97E-04	0.00E+00	1.82E-04	4.31E-04	0.00E+00	3.05E-05	7.35E-05	0.00E+00	1.33E-05	2.95E-05	0.00E+00
6185	440614	3769080	1.61E-04	3.00E-04	0.00E+00	1.82E-04	4.36E-04	0.00E+00	3.05E-05	7.43E-05	0.00E+00	1.33E-05	2.98E-05	0.00E+00
6186	440609.6	3769072	1.61E-04	3.03E-04	0.00E+00	1.82E-04	4.40E-04	0.00E+00	3.05E-05	7.50E-05	0.00E+00	1.33E-05	3.01E-05	0.00E+00
6187	440605.2	3769064	1.61E-04	3.06E-04	0.00E+00	1.82E-04	4.44E-04	0.00E+00	3.05E-05	7.57E-05	0.00E+00	1.33E-05	3.03E-05	0.00E+00
6188	440600.8	3769055	1.61E-04	3.09E-04	0.00E+00	1.82E-04	4.48E-04	0.00E+00	3.05E-05	7.65E-05	0.00E+00	1.33E-05	3.06E-05	0.00E+00
6189	440596.5	3769047	1.61E-04	3.11E-04	0.00E+00	1.82E-04	4.53E-04	0.00E+00	3.05E-05	7.72E-05	0.00E+00	1.33E-05	3.09E-05	0.00E+00
6190	440570.1	3768997	1.61E-04	3.29E-04	0.00E+00	1.82E-04	4.78E-04	0.00E+00	3.05E-05	8.15E-05	0.00E+00	1.33E-05	3.27E-05	0.00E+00
6191	440565.8	3768988	1.61E-04	3.32E-04	0.00E+00	1.82E-04	4.82E-04	0.00E+00	3.05E-05	8.22E-05	0.00E+00	1.33E-05	3.29E-05	0.00E+00
6192	440561.4	3768980	1.61E-04	3.34E-04	0.00E+00	1.82E-04	4.86E-04	0.00E+00	3.05E-05	8.29E-05	0.00E+00	1.33E-05	3.32E-05	0.00E+00
6193	440557	3768972	1.61E-04	3.37E-04	0.00E+00	1.82E-04	4.90E-04	0.00E+00	3.05E-05	8.36E-05	0.00E+00	1.33E-05	3.35E-05	0.00E+00
6194	440548.2	3768955	1.61E-04	3.43E-04	0.00E+00	1.82E-04	4.98E-04	0.00E+00	3.05E-05	8.49E-05	0.00E+00	1.33E-05	3.40E-05	0.00E+00
6195	441178.9	3769558	1.61E-04	1.94E-04	0.00E+00	1.82E-04	2.82E-04	0.00E+00	3.05E-05	4.81E-05	0.00E+00	1.33E-05	1.93E-05	0.00E+00
6196	441169.6	3769557	1.61E-04	1.94E-04	0.00E+00	1.82E-04	2.82E-04	0.00E+00	3.05E-05	4.81E-05	0.00E+00	1.33E-05	1.93E-05	0.00E+00
6197	441160.3	3769556	1.61E-04	1.94E-04	0.00E+00	1.82E-04	2.82E-04	0.00E+00	3.05E-05	4.80E-05	0.00E+00	1.33E-05	1.92E-05	0.00E+00
6198	440759	3769433	1.61E-04	1.88E-04	0.00E+00	1.82E-04	2.73E-04	0.00E+00	3.05E-05	4.65E-05	0.00E+00	1.33E-05	1.86E-05	0.00E+00
6199	440750.3	3769416	1.61E-04	1.91E-04	0.00E+00	1.82E-04	2.77E-04	0.00E+00	3.05E-05	4.73E-05	0.00E+00	1.33E-05	1.89E-05	0.00E+00
6200	440745.9	3769408	1.61E-04	1.93E-04	0.00E+00	1.82E-04	2.80E-04	0.00E+00	3.05E-05	4.77E-05	0.00E+00	1.33E-05	1.91E-05	0.00E+00
6201	440737.3	3769391	1.61E-04	1.96E-04	0.00E+00	1.82E-04	2.85E-04	0.00E+00	3.05E-05	4.86E-05	0.00E+00	1.33E-05	1.95E-05	0.00E+00
6202	440702.6	3769325	1.61E-04	2.09E-04	0.00E+00	1.82E-04	3.04E-04	0.00E+00	3.05E-05	5.19E-05	0.00E+00	1.33E-05	2.08E-05	0.00E+00
6203	440620.1	3769168	1.61E-04	2.58E-04	0.00E+00	1.82E-04	3.75E-04	0.00E+00	3.05E-05	6.39E-05	0.00E+00	1.33E-05	2.56E-05	0.00E+00
6204	440611.4	3769151	1.61E-04	2.63E-04	0.00E+00	1.82E-04	3.82E-04	0.00E+00	3.05E-05	6.51E-05	0.00E+00	1.33E-05	2.61E-05	0.00E+00
6205	440607.1	3769143	1.61E-04	2.65E-04	0.00E+00	1.82E-04	3.85E-04	0.00E+00	3.05E-05	6.57E-05	0.00E+00	1.33E-05	2.63E-05	0.00E+00
6206	440602.8	3769135	1.61E-04	2.68E-04	0.00E+00	1.82E-04	3.89E-04	0.00E+00	3.05E-05	6.63E-05	0.00E+00	1.33E-05	2.66E-05	0.00E+00
6207	440598.4	3769126	1.61E-04	2.70E-04	0.00E+00	1.82E-04	3.93E-04	0.00E+00	3.05E-05	6.70E-05	0.00E+00	1.33E-05	2.68E-05	0.00E+00
6208	440594.1	3769118	1.61E-04	2.73E-04	0.00E+00	1.82E-04	3.97E-04	0.00E+00	3.05E-05	6.76E-05	0.00E+00	1.33E-05	2.71E-05	0.00E+00
6209	440589.7	3769110	1.61E-04	2.75E-04	0.00E+00	1.82E-04	4.00E-04	0.00E+00	3.05E-05	6.83E-05	0.00E+00	1.33E-05	2.73E-05	0.00E+00
6210	440585.4	3769102	1.61E-04	2.78E-04	0.00E+00	1.82E-04	4.04E-04	0.00E+00	3.05E-05	6.89E-05	0.00E+00	1.33E-05	2.76E-05	0.00E+00
6211	440581.1	3769093	1.61E-04	2.81E-04	0.00E+00	1.82E-04	4.08E-04	0.00E+00	3.05E-05	6.96E-05	0.00E+00	1.33E-05	2.79E-05	0.00E+00
6212	440576.7	3769085	1.61E-04	2.83E-04	0.00E+00	1.82E-04	4.12E-04	0.00E+00	3.05E-05	7.02E-05	0.00E+00	1.33E-05	2.81E-05	0.00E+00
6213	440572.4	3769077	1.61E-04	2.86E-04	0.00E+00	1.82E-04	4.16E-04	0.00E+00	3.05E-05	7.09E-05	0.00E+00	1.33E-05	2.84E-05	0.00E+00
6214	440568.1	3769069	1.61E-04	2.88E-04	0.00E+00	1.82E-04	4.19E-04	0.00E+00	3.05E-05	7.15E-05	0.00E+00	1.33E-05	2.86E-05	0.00E+00
6215	440563.7	3769060	1.61E-04	2.91E-04	0.00E+00	1.82E-04	4.23E-04	0.00E+00	3.05E-05	7.21E-05	0.00E+00	1.33E-05	2.89E-05	0.00E+00
6216	440559.4	3769052	1.61E-04	2.94E-04	0.00E+00	1.82E-04	4.27E-04	0.00E+00	3.05E-05	7.28E-05	0.00E+00	1.33E-05	2.91E-05	0.00E+00
6217	440555	3769044	1.61E-04	2.96E-04	0.00E+00	1.82E-04	4.31E-04	0.00E+00	3.05E-05	7.34E-05	0.00E+00	1.33E-05	2.94E-05	0.00E+00
6218	440550.7	3769035	1.61E-04	2.99E-04	0.00E+00	1.82E-04	4.34E-04	0.00E+00	3.05E-05	7.41E-05	0.00E+00	1.33E-05	2.97E-05	0.00E+00
6219	440710.6	3769416	1.61E-04	1.84E-04	0.00E+00	1.82E-04	2.67E-04	0.00E+00	3.05E-05	4.55E-05	0.00E+00	1.33E-05	1.82E-05	0.00E+00
6220	440706.3	3769408	1.61E-04	1.85E-04	0.00E+00	1.82E-04	2.69E-04	0.00E+00	3.05E-05	4.59E-05	0.00E+00	1.33E-05	1.84E-05	0.00E+00
6221	440701.9	3769400	1.61E-04	1.87E-04	0.00E+00	1.82E-04	2.71E-04	0.00E+00	3.05E-05	4.62E-05	0.00E+00	1.33E-05	1.85E-05	0.00E+00
6222	440697.6	3769391	1.61E-04	1.88E-04	0.00E+00	1.82E-04	2.73E-04	0.00E+00	3.05E-05	4.66E-05	0.00E+00	1.33E-05	1.87E-05	0.00E+00
6223	440680.2	3769358	1.61E-04	1.95E-04	0.00E+00	1.82E-04	2.83E-04	0.00E+00	3.05E-05	4.83E-05	0.00E+00	1.33E-05	1.94E-05	0.00E+00
6224	440675.9	3769350	1.61E-04	1.97E-04	0.00E+00	1.82E-04	2.86E-04	0.00E+00	3.05E-05	4.88E-05	0.00E+00	1.33E-05	1.95E-05	0.00E+00
6225	440671.5	3769342	1.61E-04	1.99E-04	0.00E+00	1.82E-04	2.89E-04	0.00E+00	3.05E-05	4.92E-05	0.00E+00	1.33E-05	1.97E-05	0.00E+00
6226	440662.8	3769325	1.61E-04	2.02E-04	0.00E+00	1.82E-04	2.94E-04	0.00E+00	3.05E-05	5.02E-05	0.00E+00	1.33E-05	2.01E-05	0.00E+00
6227	440580.3	3769168	1.61E-04	2.46E-04	0.00E+00	1.82E-04	3.58E-04	0.00E+00	3.05E-05	6.10E-05	0.00E+00	1.33E-05	2.44E-05	0.00E+00
6228	440571.6	3769151	1.61E-04	2.51E-04	0.00E+00	1.82E-04	3.65E-04	0.00E+00	3.05E-05	6.21E-05	0.00E+00	1.33E-05	2.49E-05	0.00E+00
6229	440567.3	3769143	1.61E-04	2.53E-04	0.00E+00	1.82E-04	3.68E-04	0.00E+00	3.05E-05	6.27E-05	0.00E+00	1.33E-05	2.51E-05	0.00E+00
6230	440563	3769134	1.61E-04	2.55E-04	0.00E+00	1.82E-04	3.71E-04	0.00E+00	3.05E-05	6.33E-05	0.00E+00	1.33E-05	2.54E-05	0.00E+00
6231	440558.6	3769126	1.61E-04	2.58E-04	0.00E+00	1.82E-04	3.75E-04	0.00E+00	3.05E-05	6.39E-05	0.00E+00	1.33E-05	2.56E-05	0.00E+00
6232	440554.3	3769118	1.61E-04	2.60E-04	0.00E+00	1.82E-04	3.78E-04	0.00E+00	3.05E-05	6.45E-05	0.00E+00	1.33E-05	2.58E-05	0.00E+00
6233	440549.9	3769110	1.61E-04	2.63E-04	0.00E+00	1.82E-04	3.82E-04	0.00E+00	3.05E-05	6.51E-05	0.00E+00	1.33E-05	2.61E-05	0.00E+00
6234	440545.6	3769101	1.61E-04	2.65E-04	0.00E+00	1.82E-04	3.85E-04	0.00E+00	3.05E-05	6.56E-05	0.00E+00	1.33E-05	2.63E-05	0.00E+00
6235	440541.2	3769093	1.61E-04	2.67E-04	0.00E+00	1.82E-04	3.88E-04	0.00E+00	3.05E-05	6.62E-05	0.00E+00	1.33E-05	2.65E-05	0.00E+00
6236	440536.9	3769085	1.61E-04	2.69E-04	0.00E+00	1.82E-04	3.92E-04	0.00E+00	3.05E-05	6.68E-05	0.00E+00	1.33E-05	2.68E-05	0.00E+00
6237	440532.5	3769076	1.61E-04	2.72E-04	0.00E+00	1.82E-04	3.95E-04	0.00E+00	3.05E-05	6.74E-05	0.00E+00	1.33E-05	2.70E-05	0.00E+00

6238	440528.2	3769068	1.61E-04	2.74E-04	0.00E+00	1.82E-04	3.98E-04	0.00E+00	3.05E-05	6.79E-05	0.00E+00	1.33E-05	2.72E-05	0.00E+00
6239	440523.9	3769060	1.61E-04	2.76E-04	0.00E+00	1.82E-04	4.02E-04	0.00E+00	3.05E-05	6.85E-05	0.00E+00	1.33E-05	2.74E-05	0.00E+00
6240	440519.5	3769052	1.61E-04	2.79E-04	0.00E+00	1.82E-04	4.05E-04	0.00E+00	3.05E-05	6.91E-05	0.00E+00	1.33E-05	2.77E-05	0.00E+00
6241	440515.2	3769043	1.61E-04	2.81E-04	0.00E+00	1.82E-04	4.08E-04	0.00E+00	3.05E-05	6.96E-05	0.00E+00	1.33E-05	2.79E-05	0.00E+00
6242	440510.8	3769035	1.61E-04	2.83E-04	0.00E+00	1.82E-04	4.12E-04	0.00E+00	3.05E-05	7.02E-05	0.00E+00	1.33E-05	2.81E-05	0.00E+00
6243	441511.9	3769212	1.61E-04	6.37E-04	0.00E+00	1.82E-04	9.26E-04	0.00E+00	3.05E-05	1.58E-04	0.00E+00	1.33E-05	6.32E-05	0.00E+00
6244	441527.1	3769249	1.61E-04	5.62E-04	0.00E+00	1.82E-04	8.17E-04	0.00E+00	3.05E-05	1.39E-04	0.00E+00	1.33E-05	5.58E-05	0.00E+00
6245	441536	3769245	1.61E-04	5.75E-04	0.00E+00	1.82E-04	8.35E-04	0.00E+00	3.05E-05	1.42E-04	0.00E+00	1.33E-05	5.71E-05	0.00E+00
6246	441545	3769242	1.61E-04	5.88E-04	0.00E+00	1.82E-04	8.54E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.83E-05	0.00E+00
6247	441553.9	3769238	1.61E-04	6.01E-04	0.00E+00	1.82E-04	8.74E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.97E-05	0.00E+00
6248	441562.9	3769234	1.61E-04	6.15E-04	0.00E+00	1.82E-04	8.93E-04	0.00E+00	3.05E-05	1.52E-04	0.00E+00	1.33E-05	6.10E-05	0.00E+00
6249	441571.8	3769231	1.61E-04	6.29E-04	0.00E+00	1.82E-04	9.14E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.24E-05	0.00E+00
6250	441580.8	3769227	1.61E-04	6.43E-04	0.00E+00	1.82E-04	9.35E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.38E-05	0.00E+00
6251	441589.7	3769223	1.61E-04	6.58E-04	0.00E+00	1.82E-04	9.56E-04	0.00E+00	3.05E-05	1.63E-04	0.00E+00	1.33E-05	6.53E-05	0.00E+00
6252	441598.7	3769220	1.61E-04	6.73E-04	0.00E+00	1.82E-04	9.78E-04	0.00E+00	3.05E-05	1.67E-04	0.00E+00	1.33E-05	6.68E-05	0.00E+00
6253	441607.6	3769216	1.61E-04	6.88E-04	0.00E+00	1.82E-04	1.00E-03	0.00E+00	3.05E-05	1.71E-04	0.00E+00	1.33E-05	6.83E-05	0.00E+00
6254	441542.2	3769286	1.61E-04	4.90E-04	0.00E+00	1.82E-04	7.13E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.87E-05	0.00E+00
6255	441551.2	3769282	1.61E-04	5.01E-04	0.00E+00	1.82E-04	7.28E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.97E-05	0.00E+00
6256	441560.2	3769279	1.61E-04	5.12E-04	0.00E+00	1.82E-04	7.44E-04	0.00E+00	3.05E-05	1.27E-04	0.00E+00	1.33E-05	5.08E-05	0.00E+00
6257	441569.1	3769275	1.61E-04	5.23E-04	0.00E+00	1.82E-04	7.60E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.19E-05	0.00E+00
6258	441578.1	3769271	1.61E-04	5.35E-04	0.00E+00	1.82E-04	7.78E-04	0.00E+00	3.05E-05	1.33E-04	0.00E+00	1.33E-05	5.31E-05	0.00E+00
6259	441587	3769268	1.61E-04	5.55E-04	0.00E+00	1.82E-04	8.06E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.51E-05	0.00E+00
6260	441596	3769264	1.61E-04	5.67E-04	0.00E+00	1.82E-04	8.24E-04	0.00E+00	3.05E-05	1.40E-04	0.00E+00	1.33E-05	5.63E-05	0.00E+00
6261	441604.9	3769260	1.61E-04	5.79E-04	0.00E+00	1.82E-04	8.41E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.75E-05	0.00E+00
6262	441613.9	3769257	1.61E-04	5.91E-04	0.00E+00	1.82E-04	8.59E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.86E-05	0.00E+00
6263	441622.8	3769253	1.61E-04	6.03E-04	0.00E+00	1.82E-04	8.76E-04	0.00E+00	3.05E-05	1.49E-04	0.00E+00	1.33E-05	5.99E-05	0.00E+00
6264	441631.8	3769249	1.61E-04	6.16E-04	0.00E+00	1.82E-04	8.95E-04	0.00E+00	3.05E-05	1.53E-04	0.00E+00	1.33E-05	6.11E-05	0.00E+00
6265	441640.7	3769246	1.61E-04	6.28E-04	0.00E+00	1.82E-04	9.13E-04	0.00E+00	3.05E-05	1.56E-04	0.00E+00	1.33E-05	6.24E-05	0.00E+00
6266	441649.7	3769242	1.61E-04	6.41E-04	0.00E+00	1.82E-04	9.31E-04	0.00E+00	3.05E-05	1.59E-04	0.00E+00	1.33E-05	6.36E-05	0.00E+00
6267	441658.6	3769238	1.61E-04	6.53E-04	0.00E+00	1.82E-04	9.50E-04	0.00E+00	3.05E-05	1.62E-04	0.00E+00	1.33E-05	6.49E-05	0.00E+00
6268	441667.6	3769235	1.61E-04	6.67E-04	0.00E+00	1.82E-04	9.70E-04	0.00E+00	3.05E-05	1.65E-04	0.00E+00	1.33E-05	6.63E-05	0.00E+00
6269	441566.4	3769319	1.61E-04	4.47E-04	0.00E+00	1.82E-04	6.50E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.44E-05	0.00E+00
6270	441575.3	3769316	1.61E-04	4.58E-04	0.00E+00	1.82E-04	6.65E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.54E-05	0.00E+00
6271	441584.3	3769312	1.61E-04	4.69E-04	0.00E+00	1.82E-04	6.81E-04	0.00E+00	3.05E-05	1.16E-04	0.00E+00	1.33E-05	4.65E-05	0.00E+00
6272	441593.2	3769308	1.61E-04	4.79E-04	0.00E+00	1.82E-04	6.96E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.76E-05	0.00E+00
6273	441602.2	3769305	1.61E-04	4.89E-04	0.00E+00	1.82E-04	7.11E-04	0.00E+00	3.05E-05	1.21E-04	0.00E+00	1.33E-05	4.85E-05	0.00E+00
6274	441611.1	3769301	1.61E-04	4.98E-04	0.00E+00	1.82E-04	7.24E-04	0.00E+00	3.05E-05	1.23E-04	0.00E+00	1.33E-05	4.94E-05	0.00E+00
6275	441620.1	3769297	1.61E-04	5.07E-04	0.00E+00	1.82E-04	7.37E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.03E-05	0.00E+00
6276	441629	3769294	1.61E-04	5.16E-04	0.00E+00	1.82E-04	7.50E-04	0.00E+00	3.05E-05	1.28E-04	0.00E+00	1.33E-05	5.12E-05	0.00E+00
6277	441638	3769290	1.61E-04	5.24E-04	0.00E+00	1.82E-04	7.62E-04	0.00E+00	3.05E-05	1.30E-04	0.00E+00	1.33E-05	5.21E-05	0.00E+00
6278	441646.9	3769286	1.61E-04	5.34E-04	0.00E+00	1.82E-04	7.76E-04	0.00E+00	3.05E-05	1.32E-04	0.00E+00	1.33E-05	5.30E-05	0.00E+00
6279	441655.9	3769283	1.61E-04	5.44E-04	0.00E+00	1.82E-04	7.91E-04	0.00E+00	3.05E-05	1.35E-04	0.00E+00	1.33E-05	5.40E-05	0.00E+00
6280	441664.9	3769279	1.61E-04	5.55E-04	0.00E+00	1.82E-04	8.06E-04	0.00E+00	3.05E-05	1.37E-04	0.00E+00	1.33E-05	5.51E-05	0.00E+00
6281	441673.8	3769275	1.61E-04	5.77E-04	0.00E+00	1.82E-04	8.38E-04	0.00E+00	3.05E-05	1.43E-04	0.00E+00	1.33E-05	5.73E-05	0.00E+00
6282	441682.8	3769272	1.61E-04	5.88E-04	0.00E+00	1.82E-04	8.55E-04	0.00E+00	3.05E-05	1.46E-04	0.00E+00	1.33E-05	5.84E-05	0.00E+00
6283	441581.5	3769356	1.61E-04	4.10E-04	0.00E+00	1.82E-04	5.96E-04	0.00E+00	3.05E-05	1.02E-04	0.00E+00	1.33E-05	4.07E-05	0.00E+00
6284	441590.5	3769353	1.61E-04	4.18E-04	0.00E+00	1.82E-04	6.08E-04	0.00E+00	3.05E-05	1.04E-04	0.00E+00	1.33E-05	4.15E-05	0.00E+00
6285	441599.5	3769349	1.61E-04	4.32E-04	0.00E+00	1.82E-04	6.27E-04	0.00E+00	3.05E-05	1.07E-04	0.00E+00	1.33E-05	4.28E-05	0.00E+00
6286	441608.4	3769345	1.61E-04	4.40E-04	0.00E+00	1.82E-04	6.39E-04	0.00E+00	3.05E-05	1.09E-04	0.00E+00	1.33E-05	4.36E-05	0.00E+00
6287	441617.4	3769342	1.61E-04	4.48E-04	0.00E+00	1.82E-04	6.51E-04	0.00E+00	3.05E-05	1.11E-04	0.00E+00	1.33E-05	4.44E-05	0.00E+00
6288	441626.3	3769338	1.61E-04	4.56E-04	0.00E+00	1.82E-04	6.63E-04	0.00E+00	3.05E-05	1.13E-04	0.00E+00	1.33E-05	4.53E-05	0.00E+00
6289	441635.3	3769334	1.61E-04	4.64E-04	0.00E+00	1.82E-04	6.74E-04	0.00E+00	3.05E-05	1.15E-04	0.00E+00	1.33E-05	4.60E-05	0.00E+00
6290	441644.2	3769331	1.61E-04	4.71E-04	0.00E+00	1.82E-04	6.85E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.68E-05	0.00E+00
6291	441653.2	3769327	1.61E-04	4.72E-04	0.00E+00	1.82E-04	6.86E-04	0.00E+00	3.05E-05	1.17E-04	0.00E+00	1.33E-05	4.69E-05	0.00E+00
6292	441662.1	3769323	1.61E-04	4.79E-04	0.00E+00	1.82E-04	6.96E-04	0.00E+00	3.05E-05	1.19E-04	0.00E+00	1.33E-05	4.75E-05	0.00E+00
6293	441671.1	3769320	1.61E-04	4.85E-04	0.00E+00	1.82E-04	7.05E-04	0.00E+00	3.05E-05	1.20E-04	0.00E+00	1.33E-05	4.81E-05	0.00E+00
6294	441680	3769316	1.61E-04	4.92E-04	0.00E+00	1.82E-04	7.15E-04	0.00E+00	3.05E-05	1.22E-04	0.00E+00	1.33E-05	4.88E-05	0.00E+00
6295	441689	3769312	1.61E-04	4.99E-04	0.00E+00	1.82E-04	7.25E-04	0.00E+00	3.05E-05	1.24E-04	0.00E+00	1.33E-05	4.95E-05	0.00E+00
6296	441697.9	3769309	1.61E-04	5.08E-04	0.00E+00	1.82E-04	7.39E-04	0.00E+00	3.05E-05	1.26E-04	0.00E+00	1.33E-05	5.05E-05	0.00E+00
6297	441713.9	3769475	1.61E-04	3.25E-04	0.00E+00	1.82E-04	4.72E-04	0.00E+00	3.05E-05	8.05E-05	0.00E+00	1.33E-05	3.22E-05	0.00E+00
6298	441722.8	3769471	1.61E-04	3.30E-04	0.00E+00	1.82E-04	4.79E-04	0.00E+00	3.05E-05	8.17E-05	0.00E+00	1.33E-05	3.27E-05	0.00E+00
6299	441731.8	3769468	1.61E-04	3.35E-04	0.00E+00	1.82E-04	4.86E-04	0.00E+00	3.05E-05	8.29E-05	0.00E+00	1.33E-05	3.32E-05	0.00E+00
6300	441740.7	3769464	1.61E-04	3.39E-04	0.00E+00	1.82E-04	4.93E-04	0.00E+00	3.05E-05	8.41E-05	0.00E+00	1.33E-05	3.37E-05	0.00E+00
6301	441269.9	3768508	1.61E-04	8.24E-03	0.00E+00	1.82E-04	1.20E-02	0.00E+00	3.05E-05	2.04E-03	0.00E+00	1.33E-05	8.18E-04	0.00E+00
6302	441270.6	3768495	1.61E-04	7.54E-03	0.00E+00	1.82E-04	1.10E-02	0.00E+00	3.05E-05	1.87E-03	0.00E+00	1.33E-05	7.48E-04	0.00E+00
6303	441465.3	3768466	1.61E-04	5.07E-03	0.00E+00	1.82E-04	7.37E-03	0.00E+00	3.05E-05	1.26E-03	0.00E+00	1.33E-05	5.03E-04	0.00E+00
6304	441465.9	3768476	1.61E-04	5.52E-03	0.00E+00	1.82E-04	8.02E-03	0.00E+00	3.05E-05	1.37E-03	0.00E+00	1.33E-05	5.48E-04	0.00E+00
6305	441466.5	3768490	1.61E-04	6.36E-03	0.00E+00	1.82E-04	9.25E-03	0.00E+00	3.05E-05	1.58E-03	0.00E+00	1.33E-05	6.32E-04	0.00E+00
6306	441465.9	3768501	1.61E-04	7.51E-03	0.00E+00	1.82E-04	1.09E-02	0.00E+00	3.05E-05	1.86E-03	0.00E+00	1.33E-05	7.45E-04	0.00E+00
6307	441462.7	3768513	1.61E-04	9.51E-03	0.00E+00	1.82E-04	1.38E-02	0.00E+00	3.05E-05	2.36E-03	0.00E+00	1.33E-05	9.44E-04	0.00E+00
6308	441512.7	3768503	1.61E-04	4.88E-03	0.00E+00	1.82E-04	7.09E-03	0.00E+00	3.05E-05	1.21E-03	0.00E+00	1.33E-05	4.84E-04	0.00E+00
6309	441513.3	3768494	1.61E-04	4.43E-03	0.00E+00	1.82E-04	6.43E-03	0.00E+00	3.05E-05	1.10E-03	0.00E+00	1.33E-05	4.39E-04	0.00E+00
6310	441501.1	3768490	1.61E-04	4.71E-03	0.00E+00	1.82E-04	6.85E-03	0.00E+00	3.05E-05	1.17E-03	0.00E+00	1.33E-05	4.68E-04	0.00E+00
6311	441540.8	3768508	1.61E-04	4.20E-03	0.00E+00	1.82E-04	6.10E-03	0.00E+00	3.05E-05	1.04E-03	0.00E+00	1.33E-05	4.17E-04	0.00E+00
6312	441537.6	3768490	1.61E-04	3.63E-03	0.00E+00	1.82E-04	5.28E-03	0.00E+00	3.05E-05	9.00E-04	0.00E+00	1.33E-05	3.61E-04	0.00E+00
6313	441538.3	3768473	1.61E-04	3.20E-03	0.00E+00	1.82E-04	4.65E-03	0.00E+00	3.05E-05	7.93E-04	0.00E+00	1.33E-05	3.18E-04	0.00E+00
6314	441538.3	3768461	1.61E-04	2.98E-03	0.00E+00	1.82E-04	4.34E-03	0.00E+00	3.05E-05	7.40E-04	0.00E+00	1.33E-05	2.96E-04	0.00E+00
6315	441558.1	3768461	1.61E-04	2.68E-03	0.00E+00	1.82E-04	3.89E-03	0.00E+00	3.05E-05	6.64E-04	0.00E+00	1.33E-05	2.66E-04	0.00E+00
6316	441578	3768460	1.61E-04	2.40E-03	0.00E+00	1.82E-04	3.49E-03	0.00E+00	3.05E-05	5.96E-04	0.00E+00	1.33E-05	2.39E-04	0.00E+00
6317	441592.7	3768465	1.61E-04	2.31E-03	0.00E+00	1.82E-04	3.35E-03	0.00E+00	3.05E-05	5.71E-04	0.00E+00	1.33E-05	2.29E-04	0.00E+00
6318	441586.3	3768478	1.61E-04	2.55E-03	0.00E+00	1.82E-04	3.71E-03	0.00E+00	3.05E-05	6.33E-04	0.00E+00	1.33E-05	2.53E-04	0.00E+00
6319	441562.6	3768476	1.61E-04	2.84E-03	0.00E+00	1.82E-04	4.13E-03	0.00E+00	3.05E-05	7.03E-04	0.00E+00	1.33E-05	2.82E-04	0.00E+00
6320	441556.8	3768488	1.61E-04	3.20E-03	0.00E+00	1.82E-04	4.66E-03	0.00E+00	3.05E-05	7.94E-04	0.00E+00	1.33E-05	3.18E-04	0.00E+00
6321	441572.9	3768488	1.61E-04	2.93E-03	0.00E+00	1.82E-04	4.26E-03	0.00E+00	3.05E-05	7.27E-04	0.00E+00	1.33E-05	2.91E-04	0.00E+00
6322	441589.5	3768487	1.61E-04	2.69E-03	0.00E+00	1.82E-04	3.91E-03	0.00E+00	3.05E-05	6.66E-04	0.00E+00	1.33E-05	2.67E-04	0.00E+00
6323	441586.3	3768506	1.61E-04	3.21E-03	0.00E+00	1.82E-04	4.67E-03	0.00E+00	3.05E-05	7.97E-04	0.00E+00	1.33E-05	3.19E-04	0.00E+00
6324	441562.6	3768509	1.61E-04	3.77E-03	0.00E+00	1.82E-04	5.47E-03	0.00E+00	3.05E-05	9.33E-04	0.00E+00	1.33E-05	3.74E-04	0.00E+00
6325	441616.4	3768506	1.61E-04	2.79E-03	0.00E+00	1.82E-04	4.06E-03	0.00E+00	3.05E-05	6.92E-04	0.00E+00	1.33E-05	2.77E-04	0.00E+00
6326	441616.4	3768497	1.61E-04	2.59E-03	0.00E+00	1.82E-04	3.76E-03	0.00E+00	3.05E-05	6.41E-04	0.00E+00	1.33E-05	2.57E-04	0.00E+00
6327	441615.1	3768485	1.61E-04	2.37E-03	0.00E+00	1.82E-04	3.45E-03	0.00E+00	3.05E-05	5.87E-04	0.00E+00	1.33E-05	2.35E-04	0.00E+00
6328	441614.5	3768473	1.61E-04	2.19E-03	0.00E+00	1.82E-04	3.19E-03	0.00E+00	3.05E-05	5.44E-04	0.00E+00	1.33E-05	2.18E-04	0.00E+00
6329	441616.4	3768459	1.61E-04	2.01E-03	0.00E+00	1.82E-04	2.92E-03	0.00E+00	3.05E-05	4.98E-04	0.00E+00	1.33E-05	2.00E-04	0.00E+00
6330	441628.6	3768485	1.61E-04	2.24E-03	0.00E+00	1.82E-04	3.25E-03	0.00E+00	3.05E-05	5.54E-04	0.00E+00	1.33E-05	2.22E-04	0.00E+00
6331	441638.8	3768484	1.61E-04	2.15E-03	0.00E+00	1.82E-04	3.12E-03	0.00E+00	3.05E-05	5.33E-04	0.00E+00	1.33E-05	2.13E-04	0.00E+00
6332	441640.1	3768474	1.61E-04	2.01E-03	0.00E+00	1.82E-04	2.92E-03	0.00E+00	3.05E-05	4.98E-04	0.00E+00	1.33E-05	1.99E-04	0.00E+00
6333	441627.9	3768474	1.61E-04	2.10E-03	0.00E+00	1.82E-04	3.05E-03	0.00E+00	3.05E-05	5.20E-04	0.00E+00	1.33E-05	2.08E-04	0.00E+00

			UnMitigated		T2		T2L3		T4	
				1.50E-01		1.69E-01		2.83E-02		1.24E-02
			Yr 1	Total	Yr 1	Total	Yr 1	Total	Yr 1	Total
1	441482.9	3768726	1.46E-01	1.46E-01	1.65E-01	1.65E-01	2.76E-02	2.76E-02	1.21E-02	1.21E-02
2	441483	3768716	1.48E-01	1.48E-01	1.67E-01	1.67E-01	2.80E-02	2.80E-02	1.22E-02	1.22E-02
3	441483.1	3768706	1.49E-01	1.49E-01	1.68E-01	1.68E-01	2.82E-02	2.82E-02	1.24E-02	1.24E-02
4	441483.2	3768696	1.50E-01	1.50E-01	1.69E-01	1.69E-01	2.83E-02	2.83E-02	1.24E-02	1.24E-02
5	441483.4	3768687	1.49E-01	1.49E-01	1.68E-01	1.68E-01	2.81E-02	2.81E-02	1.23E-02	1.23E-02
6	441483.5	3768677	1.48E-01	1.48E-01	1.66E-01	1.66E-01	2.79E-02	2.79E-02	1.22E-02	1.22E-02
7	441483.6	3768667	1.46E-01	1.46E-01	1.65E-01	1.65E-01	2.76E-02	2.76E-02	1.21E-02	1.21E-02
8	441483.7	3768657	1.45E-01	1.45E-01	1.63E-01	1.63E-01	2.74E-02	2.74E-02	1.20E-02	1.20E-02
9	441483.9	3768648	1.45E-01	1.45E-01	1.63E-01	1.63E-01	2.73E-02	2.73E-02	1.19E-02	1.19E-02
10	441484	3768638	1.48E-01	1.48E-01	1.67E-01	1.67E-01	2.80E-02	2.80E-02	1.22E-02	1.22E-02
11	441503	3768716	1.18E-01	1.18E-01	1.33E-01	1.33E-01	2.22E-02	2.22E-02	9.72E-03	9.72E-03
12	441503.1	3768706	1.18E-01	1.18E-01	1.33E-01	1.33E-01	2.23E-02	2.23E-02	9.75E-03	9.75E-03
13	441503.2	3768697	1.17E-01	1.17E-01	1.32E-01	1.32E-01	2.22E-02	2.22E-02	9.69E-03	9.69E-03
14	441503.4	3768687	1.17E-01	1.17E-01	1.31E-01	1.31E-01	2.20E-02	2.20E-02	9.63E-03	9.63E-03
15	441503.5	3768677	1.17E-01	1.17E-01	1.31E-01	1.31E-01	2.20E-02	2.20E-02	9.63E-03	9.63E-03
16	441503.6	3768667	1.17E-01	1.17E-01	1.31E-01	1.31E-01	2.20E-02	2.20E-02	9.64E-03	9.64E-03
17	441503.7	3768658	1.17E-01	1.17E-01	1.32E-01	1.32E-01	2.22E-02	2.22E-02	9.71E-03	9.71E-03
18	441503.9	3768648	1.19E-01	1.19E-01	1.34E-01	1.34E-01	2.25E-02	2.25E-02	9.82E-03	9.82E-03
19	441504	3768638	1.24E-01	1.24E-01	1.40E-01	1.40E-01	2.35E-02	2.35E-02	1.03E-02	1.03E-02
20	441504.1	3768628	1.34E-01	1.34E-01	1.51E-01	1.51E-01	2.54E-02	2.54E-02	1.11E-02	1.11E-02
21	441523.1	3768707	9.79E-02	9.79E-02	1.10E-01	1.10E-01	1.85E-02	1.85E-02	8.10E-03	8.10E-03
22	441523.2	3768697	9.72E-02	9.72E-02	1.10E-01	1.10E-01	1.84E-02	1.84E-02	8.04E-03	8.04E-03
23	441523.4	3768687	9.64E-02	9.64E-02	1.09E-01	1.09E-01	1.82E-02	1.82E-02	7.97E-03	7.97E-03
24	441523.5	3768677	9.61E-02	9.61E-02	1.08E-01	1.08E-01	1.82E-02	1.82E-02	7.95E-03	7.95E-03
25	441523.6	3768668	9.61E-02	9.61E-02	1.08E-01	1.08E-01	1.82E-02	1.82E-02	7.95E-03	7.95E-03
26	441523.7	3768658	9.67E-02	9.67E-02	1.09E-01	1.09E-01	1.83E-02	1.83E-02	8.00E-03	8.00E-03
27	441523.9	3768648	9.79E-02	9.79E-02	1.10E-01	1.10E-01	1.85E-02	1.85E-02	8.09E-03	8.09E-03
28	441524	3768638	1.00E-01	1.00E-01	1.13E-01	1.13E-01	1.89E-02	1.89E-02	8.29E-03	8.29E-03
29	441524.1	3768629	1.02E-01	1.02E-01	1.15E-01	1.15E-01	1.94E-02	1.94E-02	8.47E-03	8.47E-03
30	441543.2	3768697	8.27E-02	8.27E-02	9.32E-02	9.32E-02	1.56E-02	1.56E-02	6.84E-03	6.84E-03
31	441543.4	3768687	8.18E-02	8.18E-02	9.22E-02	9.22E-02	1.55E-02	1.55E-02	6.77E-03	6.77E-03
32	441543.5	3768678	8.10E-02	8.10E-02	9.12E-02	9.12E-02	1.53E-02	1.53E-02	6.69E-03	6.69E-03
33	441543.6	3768668	8.02E-02	8.02E-02	9.04E-02	9.04E-02	1.52E-02	1.52E-02	6.63E-03	6.63E-03
34	441543.7	3768658	7.99E-02	7.99E-02	9.00E-02	9.00E-02	1.51E-02	1.51E-02	6.60E-03	6.60E-03
35	441543.9	3768648	8.00E-02	8.00E-02	9.01E-02	9.01E-02	1.51E-02	1.51E-02	6.61E-03	6.61E-03
36	441544	3768639	8.01E-02	8.01E-02	9.03E-02	9.03E-02	1.51E-02	1.51E-02	6.62E-03	6.62E-03
37	441544.1	3768629	7.97E-02	7.97E-02	8.99E-02	8.99E-02	1.51E-02	1.51E-02	6.59E-03	6.59E-03
38	441563.2	3768697	6.94E-02	6.94E-02	7.83E-02	7.83E-02	1.31E-02	1.31E-02	5.74E-03	5.74E-03
39	441563.4	3768688	6.85E-02	6.85E-02	7.72E-02	7.72E-02	1.29E-02	1.29E-02	5.66E-03	5.66E-03
40	441563.5	3768678	6.74E-02	6.74E-02	7.60E-02	7.60E-02	1.27E-02	1.27E-02	5.57E-03	5.57E-03
41	441563.6	3768668	6.63E-02	6.63E-02	7.48E-02	7.48E-02	1.25E-02	1.25E-02	5.48E-03	5.48E-03
42	441563.7	3768658	6.54E-02	6.54E-02	7.37E-02	7.37E-02	1.24E-02	1.24E-02	5.41E-03	5.41E-03
43	441563.9	3768649	6.50E-02	6.50E-02	7.33E-02	7.33E-02	1.23E-02	1.23E-02	5.37E-03	5.37E-03
44	441564	3768639	6.44E-02	6.44E-02	7.26E-02	7.26E-02	1.22E-02	1.22E-02	5.32E-03	5.32E-03
45	441564.1	3768629	6.33E-02	6.33E-02	7.14E-02	7.14E-02	1.20E-02	1.20E-02	5.24E-03	5.24E-03
46	441583.4	3768688	5.92E-02	5.92E-02	6.67E-02	6.67E-02	1.12E-02	1.12E-02	4.89E-03	4.89E-03
47	441583.5	3768678	5.80E-02	5.80E-02	6.53E-02	6.53E-02	1.10E-02	1.10E-02	4.79E-03	4.79E-03
48	441583.6	3768668	5.66E-02	5.66E-02	6.38E-02	6.38E-02	1.07E-02	1.07E-02	4.68E-03	4.68E-03
49	441583.7	3768659	5.53E-02	5.53E-02	6.24E-02	6.24E-02	1.05E-02	1.05E-02	4.57E-03	4.57E-03
50	441583.9	3768649	5.46E-02	5.46E-02	6.15E-02	6.15E-02	1.03E-02	1.03E-02	4.51E-03	4.51E-03
51	441584	3768639	5.36E-02	5.36E-02	6.04E-02	6.04E-02	1.01E-02	1.01E-02	4.43E-03	4.43E-03
52	441584.1	3768629	5.22E-02	5.22E-02	5.88E-02	5.88E-02	9.87E-03	9.87E-03	4.32E-03	4.32E-03
53	441603.5	3768678	5.10E-02	5.10E-02	5.74E-02	5.74E-02	9.63E-03	9.63E-03	4.21E-03	4.21E-03
54	441603.6	3768669	4.95E-02	4.95E-02	5.58E-02	5.58E-02	9.35E-03	9.35E-03	4.09E-03	4.09E-03
55	441603.7	3768659	4.80E-02	4.80E-02	5.40E-02	5.40E-02	9.06E-03	9.06E-03	3.96E-03	3.96E-03
56	441603.9	3768649	4.69E-02	4.69E-02	5.29E-02	5.29E-02	8.87E-03	8.87E-03	3.88E-03	3.88E-03
57	441604	3768639	4.56E-02	4.56E-02	5.14E-02	5.14E-02	8.63E-03	8.63E-03	3.77E-03	3.77E-03
58	441604.1	3768630	4.41E-02	4.41E-02	4.97E-02	4.97E-02	8.34E-03	8.34E-03	3.65E-03	3.65E-03
59	441623.6	3768669	4.46E-02	4.46E-02	5.02E-02	5.02E-02	8.43E-03	8.43E-03	3.69E-03	3.69E-03
60	441623.7	3768659	4.30E-02	4.30E-02	4.85E-02	4.85E-02	8.13E-03	8.13E-03	3.56E-03	3.56E-03
61	441623.9	3768649	4.16E-02	4.16E-02	4.69E-02	4.69E-02	7.86E-03	7.86E-03	3.44E-03	3.44E-03
62	441624	3768640	4.00E-02	4.00E-02	4.50E-02	4.50E-02	7.55E-03	7.55E-03	3.30E-03	3.30E-03
63	441624.1	3768630	3.81E-02	3.81E-02	4.30E-02	4.30E-02	7.21E-03	7.21E-03	3.15E-03	3.15E-03
64	441643.7	3768659	3.85E-02	3.85E-02	4.34E-02	4.34E-02	7.27E-03	7.27E-03	3.18E-03	3.18E-03
65	441643.9	3768650	3.71E-02	3.71E-02	4.18E-02	4.18E-02	7.01E-03	7.01E-03	3.07E-03	3.07E-03
66	441644	3768640	3.55E-02	3.55E-02	4.01E-02	4.01E-02	6.72E-03	6.72E-03	2.94E-03	2.94E-03
67	441644.1	3768630	3.39E-02	3.39E-02	3.82E-02	3.82E-02	6.40E-03	6.40E-03	2.80E-03	2.80E-03
68	441663.9	3768650	3.32E-02	3.32E-02	3.74E-02	3.74E-02	6.27E-03	6.27E-03	2.74E-03	2.74E-03
69	441664	3768640	3.18E-02	3.18E-02	3.58E-02	3.58E-02	6.01E-03	6.01E-03	2.63E-03	2.63E-03
70	441664.1	3768630	3.03E-02	3.03E-02	3.41E-02	3.41E-02	5.72E-03	5.72E-03	2.50E-03	2.50E-03

71	441704.1	3768631	2.42E-02	2.42E-02	2.73E-02	2.73E-02	4.58E-03	4.58E-03	2.00E-03	2.00E-03
72	441724.1	3768631	2.19E-02	2.19E-02	2.47E-02	2.47E-02	4.14E-03	4.14E-03	1.81E-03	1.81E-03
73	441813.7	3769018	1.00E-02	1.00E-02	1.13E-02	1.13E-02	1.89E-03	1.89E-03	8.28E-04	8.28E-04
74	441806.3	3769024	9.73E-03	9.73E-03	1.10E-02	1.10E-02	1.84E-03	1.84E-03	8.05E-04	8.05E-04
75	441799	3769030	9.46E-03	9.46E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.82E-04	7.82E-04
76	441791.6	3769036	9.17E-03	9.17E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.58E-04	7.58E-04
77	441784.3	3769042	8.88E-03	8.88E-03	1.00E-02	1.00E-02	1.68E-03	1.68E-03	7.34E-04	7.34E-04
78	441868.7	3769022	9.64E-03	9.64E-03	1.09E-02	1.09E-02	1.82E-03	1.82E-03	7.97E-04	7.97E-04
79	441861.2	3769028	9.40E-03	9.40E-03	1.06E-02	1.06E-02	1.78E-03	1.78E-03	7.78E-04	7.78E-04
80	441853.8	3769034	9.16E-03	9.16E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.57E-04	7.57E-04
81	441846.3	3769041	8.91E-03	8.91E-03	1.00E-02	1.00E-02	1.68E-03	1.68E-03	7.37E-04	7.37E-04
82	441838.8	3769047	8.65E-03	8.65E-03	9.75E-03	9.75E-03	1.64E-03	1.64E-03	7.15E-04	7.15E-04
83	441831.4	3769053	8.40E-03	8.40E-03	9.47E-03	9.47E-03	1.59E-03	1.59E-03	6.94E-04	6.94E-04
84	441823.9	3769059	8.14E-03	8.14E-03	9.18E-03	9.18E-03	1.54E-03	1.54E-03	6.73E-04	6.73E-04
85	441816.5	3769065	7.88E-03	7.88E-03	8.89E-03	8.89E-03	1.49E-03	1.49E-03	6.52E-04	6.52E-04
86	441809	3769071	7.63E-03	7.63E-03	8.60E-03	8.60E-03	1.44E-03	1.44E-03	6.31E-04	6.31E-04
87	441801.6	3769077	7.38E-03	7.38E-03	8.32E-03	8.32E-03	1.39E-03	1.39E-03	6.10E-04	6.10E-04
88	441794.1	3769083	7.13E-03	7.13E-03	8.04E-03	8.04E-03	1.35E-03	1.35E-03	5.90E-04	5.90E-04
89	441786.6	3769089	6.89E-03	6.89E-03	7.76E-03	7.76E-03	1.30E-03	1.30E-03	5.69E-04	5.69E-04
90	441918	3769011	9.81E-03	9.81E-03	1.11E-02	1.11E-02	1.86E-03	1.86E-03	8.11E-04	8.11E-04
91	441915	3769020	9.48E-03	9.48E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.84E-04	7.84E-04
92	441912.1	3769030	9.15E-03	9.15E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.56E-04	7.56E-04
93	441901.7	3769045	8.61E-03	8.61E-03	9.71E-03	9.71E-03	1.63E-03	1.63E-03	7.12E-04	7.12E-04
94	441894.1	3769051	8.40E-03	8.40E-03	9.47E-03	9.47E-03	1.59E-03	1.59E-03	6.95E-04	6.95E-04
95	441886.6	3769057	8.19E-03	8.19E-03	9.24E-03	9.24E-03	1.55E-03	1.55E-03	6.78E-04	6.78E-04
96	441879	3769063	7.98E-03	7.98E-03	8.99E-03	8.99E-03	1.51E-03	1.51E-03	6.60E-04	6.60E-04
97	441871.5	3769069	7.76E-03	7.76E-03	8.75E-03	8.75E-03	1.47E-03	1.47E-03	6.42E-04	6.42E-04
98	441863.9	3769076	7.54E-03	7.54E-03	8.49E-03	8.49E-03	1.42E-03	1.42E-03	6.23E-04	6.23E-04
99	441856.4	3769082	7.31E-03	7.31E-03	8.24E-03	8.24E-03	1.38E-03	1.38E-03	6.04E-04	6.04E-04
100	441848.8	3769088	7.08E-03	7.08E-03	7.98E-03	7.98E-03	1.34E-03	1.34E-03	5.85E-04	5.85E-04
101	441841.2	3769094	6.85E-03	6.85E-03	7.72E-03	7.72E-03	1.30E-03	1.30E-03	5.67E-04	5.67E-04
102	441833.7	3769100	6.63E-03	6.63E-03	7.48E-03	7.48E-03	1.25E-03	1.25E-03	5.48E-04	5.48E-04
103	441826.1	3769106	6.42E-03	6.42E-03	7.23E-03	7.23E-03	1.21E-03	1.21E-03	5.31E-04	5.31E-04
104	441818.6	3769112	6.20E-03	6.20E-03	6.99E-03	6.99E-03	1.17E-03	1.17E-03	5.13E-04	5.13E-04
105	441811	3769118	5.99E-03	5.99E-03	6.76E-03	6.76E-03	1.13E-03	1.13E-03	4.96E-04	4.96E-04
106	441803.5	3769125	5.79E-03	5.79E-03	6.53E-03	6.53E-03	1.09E-03	1.09E-03	4.79E-04	4.79E-04
107	441795.9	3769131	5.59E-03	5.59E-03	6.30E-03	6.30E-03	1.06E-03	1.06E-03	4.62E-04	4.62E-04
108	441788.4	3769137	5.40E-03	5.40E-03	6.08E-03	6.08E-03	1.02E-03	1.02E-03	4.46E-04	4.46E-04
109	441690.2	3769216	3.45E-03	3.45E-03	3.89E-03	3.89E-03	6.53E-04	6.53E-04	2.85E-04	2.85E-04
110	441682.7	3769222	3.35E-03	3.35E-03	3.77E-03	3.77E-03	6.33E-04	6.33E-04	2.77E-04	2.77E-04
111	441675.1	3769229	3.25E-03	3.25E-03	3.66E-03	3.66E-03	6.14E-04	6.14E-04	2.68E-04	2.68E-04
112	442039.8	3768752	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.92E-03	1.92E-03	8.40E-04	8.40E-04
113	442036.9	3768761	1.04E-02	1.04E-02	1.17E-02	1.17E-02	1.97E-03	1.97E-03	8.61E-04	8.61E-04
114	442034.1	3768770	1.07E-02	1.07E-02	1.20E-02	1.20E-02	2.01E-03	2.01E-03	8.81E-04	8.81E-04
115	442031.2	3768779	1.09E-02	1.09E-02	1.23E-02	1.23E-02	2.05E-03	2.05E-03	8.99E-04	8.99E-04
116	442028.3	3768788	1.11E-02	1.11E-02	1.25E-02	1.25E-02	2.09E-03	2.09E-03	9.16E-04	9.16E-04
117	442025.5	3768797	1.13E-02	1.13E-02	1.27E-02	1.27E-02	2.13E-03	2.13E-03	9.33E-04	9.33E-04
118	442022.6	3768806	1.15E-02	1.15E-02	1.29E-02	1.29E-02	2.17E-03	2.17E-03	9.48E-04	9.48E-04
119	442019.7	3768815	1.16E-02	1.16E-02	1.31E-02	1.31E-02	2.20E-03	2.20E-03	9.61E-04	9.61E-04
120	442016.9	3768825	1.18E-02	1.18E-02	1.32E-02	1.32E-02	2.22E-03	2.22E-03	9.72E-04	9.72E-04
121	442014	3768834	1.19E-02	1.19E-02	1.34E-02	1.34E-02	2.24E-03	2.24E-03	9.81E-04	9.81E-04
122	442011.1	3768843	1.19E-02	1.19E-02	1.35E-02	1.35E-02	2.26E-03	2.26E-03	9.87E-04	9.87E-04
123	441982.4	3768934	1.14E-02	1.14E-02	1.29E-02	1.29E-02	2.16E-03	2.16E-03	9.45E-04	9.45E-04
124	441979.6	3768943	1.13E-02	1.13E-02	1.27E-02	1.27E-02	2.13E-03	2.13E-03	9.31E-04	9.31E-04
125	441976.7	3768952	1.11E-02	1.11E-02	1.25E-02	1.25E-02	2.09E-03	2.09E-03	9.15E-04	9.15E-04
126	441973.8	3768961	1.09E-02	1.09E-02	1.22E-02	1.22E-02	2.05E-03	2.05E-03	8.97E-04	8.97E-04
127	441971	3768970	1.06E-02	1.06E-02	1.20E-02	1.20E-02	2.01E-03	2.01E-03	8.79E-04	8.79E-04
128	441956.6	3769016	9.34E-03	9.34E-03	1.05E-02	1.05E-02	1.76E-03	1.76E-03	7.72E-04	7.72E-04
129	441953.8	3769025	9.05E-03	9.05E-03	1.02E-02	1.02E-02	1.71E-03	1.71E-03	7.49E-04	7.49E-04
130	441950.9	3769034	8.77E-03	8.77E-03	9.89E-03	9.89E-03	1.66E-03	1.66E-03	7.25E-04	7.25E-04
131	441948	3769043	8.48E-03	8.48E-03	9.56E-03	9.56E-03	1.60E-03	1.60E-03	7.02E-04	7.02E-04
132	441945.1	3769052	8.20E-03	8.20E-03	9.24E-03	9.24E-03	1.55E-03	1.55E-03	6.78E-04	6.78E-04
133	441934.9	3769067	7.74E-03	7.74E-03	8.73E-03	8.73E-03	1.46E-03	1.46E-03	6.40E-04	6.40E-04
134	441927.4	3769073	7.57E-03	7.57E-03	8.53E-03	8.53E-03	1.43E-03	1.43E-03	6.26E-04	6.26E-04
135	441920	3769079	7.39E-03	7.39E-03	8.33E-03	8.33E-03	1.40E-03	1.40E-03	6.11E-04	6.11E-04
136	441912.6	3769085	7.20E-03	7.20E-03	8.12E-03	8.12E-03	1.36E-03	1.36E-03	5.96E-04	5.96E-04
137	441905.2	3769091	7.02E-03	7.02E-03	7.91E-03	7.91E-03	1.33E-03	1.33E-03	5.80E-04	5.80E-04
138	441897.8	3769097	6.83E-03	6.83E-03	7.70E-03	7.70E-03	1.29E-03	1.29E-03	5.65E-04	5.65E-04
139	441890.4	3769103	6.64E-03	6.64E-03	7.48E-03	7.48E-03	1.25E-03	1.25E-03	5.49E-04	5.49E-04
140	441883	3769109	6.45E-03	6.45E-03	7.26E-03	7.26E-03	1.22E-03	1.22E-03	5.33E-04	5.33E-04
141	441875.5	3769115	6.25E-03	6.25E-03	7.05E-03	7.05E-03	1.18E-03	1.18E-03	5.17E-04	5.17E-04
142	441868.1	3769121	6.06E-03	6.06E-03	6.83E-03	6.83E-03	1.15E-03	1.15E-03	5.01E-04	5.01E-04
143	441860.7	3769127	5.88E-03	5.88E-03	6.62E-03	6.62E-03	1.11E-03	1.11E-03	4.86E-04	4.86E-04

144	441853.3	3769133	5.69E-03	5.69E-03	6.42E-03	6.42E-03	1.08E-03	1.08E-03	4.71E-04	4.71E-04
145	441845.9	3769139	5.51E-03	5.51E-03	6.21E-03	6.21E-03	1.04E-03	1.04E-03	4.56E-04	4.56E-04
146	441838.5	3769145	5.34E-03	5.34E-03	6.01E-03	6.01E-03	1.01E-03	1.01E-03	4.41E-04	4.41E-04
147	441831.1	3769151	5.16E-03	5.16E-03	5.82E-03	5.82E-03	9.76E-04	9.76E-04	4.27E-04	4.27E-04
148	441823.6	3769158	5.00E-03	5.00E-03	5.63E-03	5.63E-03	9.44E-04	9.44E-04	4.13E-04	4.13E-04
149	441816.2	3769164	4.83E-03	4.83E-03	5.45E-03	5.45E-03	9.14E-04	9.14E-04	4.00E-04	4.00E-04
150	441808.8	3769170	4.68E-03	4.68E-03	5.27E-03	5.27E-03	8.84E-04	8.84E-04	3.87E-04	3.87E-04
151	441801.4	3769176	4.52E-03	4.52E-03	5.10E-03	5.10E-03	8.55E-04	8.55E-04	3.74E-04	3.74E-04
152	441794	3769182	4.38E-03	4.38E-03	4.93E-03	4.93E-03	8.27E-04	8.27E-04	3.62E-04	3.62E-04
153	441786.6	3769188	4.24E-03	4.24E-03	4.77E-03	4.77E-03	8.01E-04	8.01E-04	3.50E-04	3.50E-04
154	441749.5	3769218	3.60E-03	3.60E-03	4.06E-03	4.06E-03	6.81E-04	6.81E-04	2.98E-04	2.98E-04
155	441742.1	3769224	3.50E-03	3.50E-03	3.94E-03	3.94E-03	6.61E-04	6.61E-04	2.89E-04	2.89E-04
156	441734.7	3769230	3.39E-03	3.39E-03	3.82E-03	3.82E-03	6.41E-04	6.41E-04	2.80E-04	2.80E-04
157	441727.2	3769236	3.29E-03	3.29E-03	3.71E-03	3.71E-03	6.22E-04	6.22E-04	2.72E-04	2.72E-04
158	441719.8	3769242	3.20E-03	3.20E-03	3.61E-03	3.61E-03	6.05E-04	6.05E-04	2.65E-04	2.65E-04
159	441712.4	3769248	3.11E-03	3.11E-03	3.50E-03	3.50E-03	5.87E-04	5.87E-04	2.57E-04	2.57E-04
160	441705	3769254	3.02E-03	3.02E-03	3.40E-03	3.40E-03	5.71E-04	5.71E-04	2.50E-04	2.50E-04
161	441697.6	3769260	2.94E-03	2.94E-03	3.31E-03	3.31E-03	5.55E-04	5.55E-04	2.43E-04	2.43E-04
162	441690.2	3769266	2.85E-03	2.85E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04
163	442042.7	3768743	9.90E-03	9.90E-03	1.12E-02	1.12E-02	1.87E-03	1.87E-03	8.18E-04	8.18E-04
164	442043.2	3768704	8.94E-03	8.94E-03	1.01E-02	1.01E-02	1.69E-03	1.69E-03	7.39E-04	7.39E-04
165	442043.3	3768694	8.68E-03	8.68E-03	9.78E-03	9.78E-03	1.64E-03	1.64E-03	7.18E-04	7.18E-04
166	442043.4	3768684	8.41E-03	8.41E-03	9.48E-03	9.48E-03	1.59E-03	1.59E-03	6.95E-04	6.95E-04
167	442043.6	3768674	8.13E-03	8.13E-03	9.17E-03	9.17E-03	1.54E-03	1.54E-03	6.72E-04	6.72E-04
168	442043.7	3768665	7.85E-03	7.85E-03	8.85E-03	8.85E-03	1.48E-03	1.48E-03	6.49E-04	6.49E-04
169	442043.8	3768655	7.58E-03	7.58E-03	8.54E-03	8.54E-03	1.43E-03	1.43E-03	6.27E-04	6.27E-04
170	442043.9	3768645	7.31E-03	7.31E-03	8.24E-03	8.24E-03	1.38E-03	1.38E-03	6.04E-04	6.04E-04
171	442044.1	3768635	7.04E-03	7.04E-03	7.93E-03	7.93E-03	1.33E-03	1.33E-03	5.82E-04	5.82E-04
172	442079.8	3768752	9.14E-03	9.14E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.55E-04	7.55E-04
173	442076.9	3768762	9.37E-03	9.37E-03	1.06E-02	1.06E-02	1.77E-03	1.77E-03	7.75E-04	7.75E-04
174	442074	3768771	9.60E-03	9.60E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.94E-04	7.94E-04
175	442071.1	3768780	9.81E-03	9.81E-03	1.11E-02	1.11E-02	1.85E-03	1.85E-03	8.11E-04	8.11E-04
176	442068.2	3768789	1.00E-02	1.00E-02	1.13E-02	1.13E-02	1.89E-03	1.89E-03	8.29E-04	8.29E-04
177	442065.3	3768798	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.93E-03	1.93E-03	8.44E-04	8.44E-04
178	442062.4	3768808	1.04E-02	1.04E-02	1.17E-02	1.17E-02	1.96E-03	1.96E-03	8.58E-04	8.58E-04
179	442059.5	3768817	1.05E-02	1.05E-02	1.19E-02	1.19E-02	1.99E-03	1.99E-03	8.71E-04	8.71E-04
180	442056.6	3768826	1.07E-02	1.07E-02	1.20E-02	1.20E-02	2.02E-03	2.02E-03	8.81E-04	8.81E-04
181	442053.7	3768835	1.08E-02	1.08E-02	1.21E-02	1.21E-02	2.04E-03	2.04E-03	8.91E-04	8.91E-04
182	442050.8	3768844	1.09E-02	1.09E-02	1.22E-02	1.22E-02	2.05E-03	2.05E-03	8.98E-04	8.98E-04
183	442047.9	3768854	1.09E-02	1.09E-02	1.23E-02	1.23E-02	2.07E-03	2.07E-03	9.04E-04	9.04E-04
184	442045	3768863	1.10E-02	1.10E-02	1.24E-02	1.24E-02	2.08E-03	2.08E-03	9.08E-04	9.08E-04
185	442042.1	3768872	1.10E-02	1.10E-02	1.24E-02	1.24E-02	2.08E-03	2.08E-03	9.10E-04	9.10E-04
186	442039.2	3768881	1.10E-02	1.10E-02	1.24E-02	1.24E-02	2.08E-03	2.08E-03	9.11E-04	9.11E-04
187	442036.3	3768890	1.10E-02	1.10E-02	1.24E-02	1.24E-02	2.08E-03	2.08E-03	9.10E-04	9.10E-04
188	442033.4	3768900	1.10E-02	1.10E-02	1.24E-02	1.24E-02	2.07E-03	2.07E-03	9.07E-04	9.07E-04
189	442030.5	3768909	1.09E-02	1.09E-02	1.23E-02	1.23E-02	2.06E-03	2.06E-03	9.03E-04	9.03E-04
190	442027.6	3768918	1.08E-02	1.08E-02	1.22E-02	1.22E-02	2.05E-03	2.05E-03	8.96E-04	8.96E-04
191	442024.7	3768927	1.07E-02	1.07E-02	1.21E-02	1.21E-02	2.03E-03	2.03E-03	8.88E-04	8.88E-04
192	442021.8	3768937	1.06E-02	1.06E-02	1.20E-02	1.20E-02	2.01E-03	2.01E-03	8.79E-04	8.79E-04
193	441995.7	3769019	8.91E-03	8.91E-03	1.00E-02	1.00E-02	1.68E-03	1.68E-03	7.37E-04	7.37E-04
194	441992.8	3769029	8.68E-03	8.68E-03	9.78E-03	9.78E-03	1.64E-03	1.64E-03	7.17E-04	7.17E-04
195	441989.9	3769038	8.43E-03	8.43E-03	9.50E-03	9.50E-03	1.59E-03	1.59E-03	6.97E-04	6.97E-04
196	441987	3769047	8.18E-03	8.18E-03	9.22E-03	9.22E-03	1.55E-03	1.55E-03	6.76E-04	6.76E-04
197	441984.1	3769056	7.92E-03	7.92E-03	8.93E-03	8.93E-03	1.50E-03	1.50E-03	6.55E-04	6.55E-04
198	441981.2	3769065	7.67E-03	7.67E-03	8.64E-03	8.64E-03	1.45E-03	1.45E-03	6.34E-04	6.34E-04
199	441978.3	3769075	7.41E-03	7.41E-03	8.36E-03	8.36E-03	1.40E-03	1.40E-03	6.13E-04	6.13E-04
200	441967.9	3769090	7.00E-03	7.00E-03	7.89E-03	7.89E-03	1.32E-03	1.32E-03	5.79E-04	5.79E-04
201	441960.4	3769096	6.84E-03	6.84E-03	7.71E-03	7.71E-03	1.29E-03	1.29E-03	5.66E-04	5.66E-04
202	441952.9	3769102	6.68E-03	6.68E-03	7.53E-03	7.53E-03	1.26E-03	1.26E-03	5.52E-04	5.52E-04
203	441945.4	3769108	6.52E-03	6.52E-03	7.34E-03	7.34E-03	1.23E-03	1.23E-03	5.39E-04	5.39E-04
204	441937.9	3769114	6.35E-03	6.35E-03	7.16E-03	7.16E-03	1.20E-03	1.20E-03	5.25E-04	5.25E-04
205	441930.4	3769120	6.19E-03	6.19E-03	6.97E-03	6.97E-03	1.17E-03	1.17E-03	5.11E-04	5.11E-04
206	441922.9	3769126	6.02E-03	6.02E-03	6.79E-03	6.79E-03	1.14E-03	1.14E-03	4.98E-04	4.98E-04
207	441915.4	3769132	5.85E-03	5.85E-03	6.59E-03	6.59E-03	1.11E-03	1.11E-03	4.83E-04	4.83E-04
208	441907.9	3769139	5.67E-03	5.67E-03	6.39E-03	6.39E-03	1.07E-03	1.07E-03	4.69E-04	4.69E-04
209	441900.4	3769145	5.50E-03	5.50E-03	6.20E-03	6.20E-03	1.04E-03	1.04E-03	4.55E-04	4.55E-04
210	441892.9	3769151	5.33E-03	5.33E-03	6.01E-03	6.01E-03	1.01E-03	1.01E-03	4.41E-04	4.41E-04
211	441885.4	3769157	5.17E-03	5.17E-03	5.83E-03	5.83E-03	9.78E-04	9.78E-04	4.28E-04	4.28E-04
212	441877.9	3769163	5.01E-03	5.01E-03	5.65E-03	5.65E-03	9.47E-04	9.47E-04	4.14E-04	4.14E-04
213	441870.4	3769169	4.86E-03	4.86E-03	5.47E-03	5.47E-03	9.18E-04	9.18E-04	4.01E-04	4.01E-04
214	441862.9	3769175	4.71E-03	4.71E-03	5.31E-03	5.31E-03	8.90E-04	8.90E-04	3.89E-04	3.89E-04
215	441855.4	3769181	4.56E-03	4.56E-03	5.14E-03	5.14E-03	8.62E-04	8.62E-04	3.77E-04	3.77E-04
216	441847.9	3769187	4.42E-03	4.42E-03	4.98E-03	4.98E-03	8.36E-04	8.36E-04	3.66E-04	3.66E-04

217	441802.9	3769224	3.66E-03	3.66E-03	4.13E-03	4.13E-03	6.92E-04	6.92E-04	3.03E-04	3.03E-04
218	441795.4	3769230	3.55E-03	3.55E-03	4.00E-03	4.00E-03	6.71E-04	6.71E-04	2.93E-04	2.93E-04
219	441787.9	3769236	3.44E-03	3.44E-03	3.88E-03	3.88E-03	6.51E-04	6.51E-04	2.85E-04	2.85E-04
220	441780.4	3769242	3.34E-03	3.34E-03	3.76E-03	3.76E-03	6.31E-04	6.31E-04	2.76E-04	2.76E-04
221	441772.9	3769248	3.24E-03	3.24E-03	3.65E-03	3.65E-03	6.12E-04	6.12E-04	2.68E-04	2.68E-04
222	441765.4	3769254	3.14E-03	3.14E-03	3.54E-03	3.54E-03	5.94E-04	5.94E-04	2.60E-04	2.60E-04
223	441757.9	3769260	3.06E-03	3.06E-03	3.44E-03	3.44E-03	5.78E-04	5.78E-04	2.53E-04	2.53E-04
224	441750.4	3769266	2.97E-03	2.97E-03	3.35E-03	3.35E-03	5.62E-04	5.62E-04	2.46E-04	2.46E-04
225	441742.9	3769272	2.89E-03	2.89E-03	3.26E-03	3.26E-03	5.47E-04	5.47E-04	2.39E-04	2.39E-04
226	441735.4	3769278	2.82E-03	2.82E-03	3.17E-03	3.17E-03	5.32E-04	5.32E-04	2.33E-04	2.33E-04
227	441727.9	3769284	2.74E-03	2.74E-03	3.09E-03	3.09E-03	5.18E-04	5.18E-04	2.27E-04	2.27E-04
228	441720.4	3769291	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.05E-04	5.05E-04	2.21E-04	2.21E-04
229	441712.9	3769297	2.60E-03	2.60E-03	2.93E-03	2.93E-03	4.91E-04	4.91E-04	2.15E-04	2.15E-04
230	441705.4	3769303	2.47E-03	2.47E-03	2.78E-03	2.78E-03	4.66E-04	4.66E-04	2.04E-04	2.04E-04
231	442082.7	3768743	8.89E-03	8.89E-03	1.00E-02	1.00E-02	1.68E-03	1.68E-03	7.35E-04	7.35E-04
232	442083.2	3768704	8.03E-03	8.03E-03	9.05E-03	9.05E-03	1.52E-03	1.52E-03	6.64E-04	6.64E-04
233	442083.3	3768694	7.81E-03	7.81E-03	8.80E-03	8.80E-03	1.48E-03	1.48E-03	6.46E-04	6.46E-04
234	442083.4	3768685	7.59E-03	7.59E-03	8.55E-03	8.55E-03	1.43E-03	1.43E-03	6.27E-04	6.27E-04
235	442083.6	3768675	7.37E-03	7.37E-03	8.30E-03	8.30E-03	1.39E-03	1.39E-03	6.09E-04	6.09E-04
236	442083.7	3768665	7.14E-03	7.14E-03	8.05E-03	8.05E-03	1.35E-03	1.35E-03	5.90E-04	5.90E-04
237	442083.8	3768655	6.91E-03	6.91E-03	7.79E-03	7.79E-03	1.31E-03	1.31E-03	5.72E-04	5.72E-04
238	442083.9	3768646	6.68E-03	6.68E-03	7.53E-03	7.53E-03	1.26E-03	1.26E-03	5.52E-04	5.52E-04
239	442084.1	3768636	6.45E-03	6.45E-03	7.27E-03	7.27E-03	1.22E-03	1.22E-03	5.33E-04	5.33E-04
240	442119.7	3768753	8.26E-03	8.26E-03	9.31E-03	9.31E-03	1.56E-03	1.56E-03	6.83E-04	6.83E-04
241	442116.8	3768762	8.47E-03	8.47E-03	9.55E-03	9.55E-03	1.60E-03	1.60E-03	7.01E-04	7.01E-04
242	442113.9	3768772	8.68E-03	8.68E-03	9.79E-03	9.79E-03	1.64E-03	1.64E-03	7.18E-04	7.18E-04
243	442111	3768781	8.88E-03	8.88E-03	1.00E-02	1.00E-02	1.68E-03	1.68E-03	7.34E-04	7.34E-04
244	442108	3768790	9.07E-03	9.07E-03	1.02E-02	1.02E-02	1.71E-03	1.71E-03	7.50E-04	7.50E-04
245	442105.1	3768799	9.24E-03	9.24E-03	1.04E-02	1.04E-02	1.75E-03	1.75E-03	7.64E-04	7.64E-04
246	442102.2	3768809	9.41E-03	9.41E-03	1.06E-02	1.06E-02	1.78E-03	1.78E-03	7.78E-04	7.78E-04
247	442099.2	3768818	9.55E-03	9.55E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.90E-04	7.90E-04
248	442096.3	3768827	9.68E-03	9.68E-03	1.09E-02	1.09E-02	1.83E-03	1.83E-03	8.00E-04	8.00E-04
249	442093.4	3768837	9.80E-03	9.80E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.10E-04	8.10E-04
250	442090.4	3768846	9.89E-03	9.89E-03	1.11E-02	1.11E-02	1.87E-03	1.87E-03	8.18E-04	8.18E-04
251	442087.5	3768855	9.97E-03	9.97E-03	1.12E-02	1.12E-02	1.88E-03	1.88E-03	8.24E-04	8.24E-04
252	442084.6	3768865	1.00E-02	1.00E-02	1.13E-02	1.13E-02	1.89E-03	1.89E-03	8.29E-04	8.29E-04
253	442081.7	3768874	1.01E-02	1.01E-02	1.14E-02	1.14E-02	1.90E-03	1.90E-03	8.33E-04	8.33E-04
254	442078.7	3768883	1.01E-02	1.01E-02	1.14E-02	1.14E-02	1.91E-03	1.91E-03	8.34E-04	8.34E-04
255	442075.8	3768892	1.01E-02	1.01E-02	1.14E-02	1.14E-02	1.91E-03	1.91E-03	8.35E-04	8.35E-04
256	442072.9	3768902	1.01E-02	1.01E-02	1.14E-02	1.14E-02	1.91E-03	1.91E-03	8.34E-04	8.34E-04
257	442069.9	3768911	1.01E-02	1.01E-02	1.14E-02	1.14E-02	1.90E-03	1.90E-03	8.33E-04	8.33E-04
258	442067	3768920	1.00E-02	1.00E-02	1.13E-02	1.13E-02	1.90E-03	1.90E-03	8.29E-04	8.29E-04
259	442064.1	3768930	9.97E-03	9.97E-03	1.12E-02	1.12E-02	1.88E-03	1.88E-03	8.24E-04	8.24E-04
260	442061.2	3768939	9.89E-03	9.89E-03	1.11E-02	1.11E-02	1.87E-03	1.87E-03	8.18E-04	8.18E-04
261	442058.2	3768948	9.78E-03	9.78E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.09E-04	8.09E-04
262	442055.3	3768958	9.66E-03	9.66E-03	1.09E-02	1.09E-02	1.83E-03	1.83E-03	7.99E-04	7.99E-04
263	442052.4	3768967	9.52E-03	9.52E-03	1.07E-02	1.07E-02	1.80E-03	1.80E-03	7.87E-04	7.87E-04
264	442049.4	3768976	9.37E-03	9.37E-03	1.06E-02	1.06E-02	1.77E-03	1.77E-03	7.75E-04	7.75E-04
265	442046.5	3768985	9.21E-03	9.21E-03	1.04E-02	1.04E-02	1.74E-03	1.74E-03	7.62E-04	7.62E-04
266	441993.3	3769119	6.23E-03	6.23E-03	7.02E-03	7.02E-03	1.18E-03	1.18E-03	5.15E-04	5.15E-04
267	441985.7	3769125	6.09E-03	6.09E-03	6.86E-03	6.86E-03	1.15E-03	1.15E-03	5.03E-04	5.03E-04
268	441978.1	3769131	5.94E-03	5.94E-03	6.69E-03	6.69E-03	1.12E-03	1.12E-03	4.91E-04	4.91E-04
269	441970.6	3769137	5.79E-03	5.79E-03	6.53E-03	6.53E-03	1.09E-03	1.09E-03	4.79E-04	4.79E-04
270	441963	3769143	5.64E-03	5.64E-03	6.35E-03	6.35E-03	1.07E-03	1.07E-03	4.66E-04	4.66E-04
271	441955.4	3769149	5.48E-03	5.48E-03	6.18E-03	6.18E-03	1.04E-03	1.04E-03	4.53E-04	4.53E-04
272	441947.8	3769155	5.33E-03	5.33E-03	6.01E-03	6.01E-03	1.01E-03	1.01E-03	4.41E-04	4.41E-04
273	441940.3	3769162	5.18E-03	5.18E-03	5.84E-03	5.84E-03	9.79E-04	9.79E-04	4.28E-04	4.28E-04
274	441932.7	3769168	5.03E-03	5.03E-03	5.67E-03	5.67E-03	9.50E-04	9.50E-04	4.16E-04	4.16E-04
275	441925.1	3769174	4.88E-03	4.88E-03	5.50E-03	5.50E-03	9.23E-04	9.23E-04	4.04E-04	4.04E-04
276	441917.6	3769180	4.74E-03	4.74E-03	5.34E-03	5.34E-03	8.96E-04	8.96E-04	3.92E-04	3.92E-04
277	441910	3769186	4.60E-03	4.60E-03	5.18E-03	5.18E-03	8.69E-04	8.69E-04	3.80E-04	3.80E-04
278	441902.4	3769192	4.46E-03	4.46E-03	5.02E-03	5.02E-03	8.43E-04	8.43E-04	3.69E-04	3.69E-04
279	441864.6	3769223	3.82E-03	3.82E-03	4.31E-03	4.31E-03	7.23E-04	7.23E-04	3.16E-04	3.16E-04
280	441857	3769229	3.71E-03	3.71E-03	4.18E-03	4.18E-03	7.01E-04	7.01E-04	3.07E-04	3.07E-04
281	441849.4	3769235	3.60E-03	3.60E-03	4.06E-03	4.06E-03	6.81E-04	6.81E-04	2.98E-04	2.98E-04
282	441841.8	3769241	3.50E-03	3.50E-03	3.94E-03	3.94E-03	6.61E-04	6.61E-04	2.89E-04	2.89E-04
283	441834.3	3769248	3.40E-03	3.40E-03	3.83E-03	3.83E-03	6.42E-04	6.42E-04	2.81E-04	2.81E-04
284	441826.7	3769254	3.30E-03	3.30E-03	3.72E-03	3.72E-03	6.23E-04	6.23E-04	2.73E-04	2.73E-04
285	441819.1	3769260	3.20E-03	3.20E-03	3.61E-03	3.61E-03	6.05E-04	6.05E-04	2.65E-04	2.65E-04
286	441811.5	3769266	3.11E-03	3.11E-03	3.50E-03	3.50E-03	5.88E-04	5.88E-04	2.57E-04	2.57E-04
287	441804	3769272	3.02E-03	3.02E-03	3.40E-03	3.40E-03	5.71E-04	5.71E-04	2.50E-04	2.50E-04
288	441796.4	3769278	2.94E-03	2.94E-03	3.31E-03	3.31E-03	5.55E-04	5.55E-04	2.43E-04	2.43E-04
289	441788.8	3769284	2.86E-03	2.86E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04

290	441781.3	3769290	2.78E-03	2.78E-03	3.13E-03	3.13E-03	5.26E-04	5.26E-04	2.30E-04	2.30E-04
291	441773.7	3769297	2.71E-03	2.71E-03	3.05E-03	3.05E-03	5.12E-04	5.12E-04	2.24E-04	2.24E-04
292	441766.1	3769303	2.63E-03	2.63E-03	2.97E-03	2.97E-03	4.98E-04	4.98E-04	2.18E-04	2.18E-04
293	441758.5	3769309	2.56E-03	2.56E-03	2.89E-03	2.89E-03	4.85E-04	4.85E-04	2.12E-04	2.12E-04
294	441751	3769315	2.44E-03	2.44E-03	2.74E-03	2.74E-03	4.60E-04	4.60E-04	2.01E-04	2.01E-04
295	441743.4	3769321	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.47E-04	4.47E-04	1.96E-04	1.96E-04
296	441735.8	3769327	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
297	441728.2	3769333	2.25E-03	2.25E-03	2.53E-03	2.53E-03	4.25E-04	4.25E-04	1.86E-04	1.86E-04
298	441720.7	3769340	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.15E-04	4.15E-04	1.81E-04	1.81E-04
299	442122.7	3768744	8.03E-03	8.03E-03	9.05E-03	9.05E-03	1.52E-03	1.52E-03	6.64E-04	6.64E-04
300	442123.2	3768705	7.27E-03	7.27E-03	8.19E-03	8.19E-03	1.37E-03	1.37E-03	6.01E-04	6.01E-04
301	442123.3	3768695	7.07E-03	7.07E-03	7.97E-03	7.97E-03	1.34E-03	1.34E-03	5.85E-04	5.85E-04
302	442123.4	3768685	6.88E-03	6.88E-03	7.76E-03	7.76E-03	1.30E-03	1.30E-03	5.69E-04	5.69E-04
303	442123.6	3768675	6.70E-03	6.70E-03	7.55E-03	7.55E-03	1.27E-03	1.27E-03	5.54E-04	5.54E-04
304	442123.7	3768666	6.50E-03	6.50E-03	7.33E-03	7.33E-03	1.23E-03	1.23E-03	5.38E-04	5.38E-04
305	442123.8	3768656	6.31E-03	6.31E-03	7.11E-03	7.11E-03	1.19E-03	1.19E-03	5.22E-04	5.22E-04
306	442123.9	3768646	6.11E-03	6.11E-03	6.88E-03	6.88E-03	1.15E-03	1.15E-03	5.05E-04	5.05E-04
307	442124.1	3768636	5.91E-03	5.91E-03	6.66E-03	6.66E-03	1.12E-03	1.12E-03	4.88E-04	4.88E-04
308	442159.8	3768753	7.47E-03	7.47E-03	8.42E-03	8.42E-03	1.41E-03	1.41E-03	6.18E-04	6.18E-04
309	442156.9	3768763	7.67E-03	7.67E-03	8.64E-03	8.64E-03	1.45E-03	1.45E-03	6.34E-04	6.34E-04
310	442154	3768772	7.86E-03	7.86E-03	8.85E-03	8.85E-03	1.48E-03	1.48E-03	6.49E-04	6.49E-04
311	442151.1	3768781	8.04E-03	8.04E-03	9.06E-03	9.06E-03	1.52E-03	1.52E-03	6.65E-04	6.65E-04
312	442148.2	3768790	8.22E-03	8.22E-03	9.26E-03	9.26E-03	1.55E-03	1.55E-03	6.79E-04	6.79E-04
313	442145.4	3768799	8.38E-03	8.38E-03	9.45E-03	9.45E-03	1.58E-03	1.58E-03	6.93E-04	6.93E-04
314	442142.5	3768808	8.54E-03	8.54E-03	9.63E-03	9.63E-03	1.61E-03	1.61E-03	7.06E-04	7.06E-04
315	442139.6	3768817	8.68E-03	8.68E-03	9.79E-03	9.79E-03	1.64E-03	1.64E-03	7.18E-04	7.18E-04
316	442136.7	3768827	8.81E-03	8.81E-03	9.93E-03	9.93E-03	1.66E-03	1.66E-03	7.28E-04	7.28E-04
317	442133.8	3768836	8.92E-03	8.92E-03	1.01E-02	1.01E-02	1.69E-03	1.69E-03	7.37E-04	7.37E-04
318	442130.9	3768845	9.02E-03	9.02E-03	1.02E-02	1.02E-02	1.70E-03	1.70E-03	7.46E-04	7.46E-04
319	442128	3768854	9.10E-03	9.10E-03	1.03E-02	1.03E-02	1.72E-03	1.72E-03	7.53E-04	7.53E-04
320	442125.2	3768863	9.17E-03	9.17E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.58E-04	7.58E-04
321	442122.3	3768872	9.23E-03	9.23E-03	1.04E-02	1.04E-02	1.74E-03	1.74E-03	7.63E-04	7.63E-04
322	442119.4	3768882	9.27E-03	9.27E-03	1.05E-02	1.05E-02	1.75E-03	1.75E-03	7.67E-04	7.67E-04
323	442116.5	3768891	9.31E-03	9.31E-03	1.05E-02	1.05E-02	1.76E-03	1.76E-03	7.69E-04	7.69E-04
324	442113.6	3768900	9.32E-03	9.32E-03	1.05E-02	1.05E-02	1.76E-03	1.76E-03	7.71E-04	7.71E-04
325	442110.7	3768909	9.32E-03	9.32E-03	1.05E-02	1.05E-02	1.76E-03	1.76E-03	7.70E-04	7.70E-04
326	442107.9	3768918	9.30E-03	9.30E-03	1.05E-02	1.05E-02	1.76E-03	1.76E-03	7.69E-04	7.69E-04
327	442105	3768927	9.27E-03	9.27E-03	1.04E-02	1.04E-02	1.75E-03	1.75E-03	7.66E-04	7.66E-04
328	442102.1	3768937	9.22E-03	9.22E-03	1.04E-02	1.04E-02	1.74E-03	1.74E-03	7.63E-04	7.63E-04
329	442099.2	3768946	9.17E-03	9.17E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.58E-04	7.58E-04
330	442096.3	3768955	9.10E-03	9.10E-03	1.03E-02	1.03E-02	1.72E-03	1.72E-03	7.52E-04	7.52E-04
331	442093.4	3768964	9.01E-03	9.01E-03	1.02E-02	1.02E-02	1.70E-03	1.70E-03	7.45E-04	7.45E-04
332	442090.5	3768973	8.90E-03	8.90E-03	1.00E-02	1.00E-02	1.68E-03	1.68E-03	7.36E-04	7.36E-04
333	442087.7	3768982	8.78E-03	8.78E-03	9.90E-03	9.90E-03	1.66E-03	1.66E-03	7.26E-04	7.26E-04
334	442076.1	3769019	8.21E-03	8.21E-03	9.25E-03	9.25E-03	1.55E-03	1.55E-03	6.79E-04	6.79E-04
335	442073.2	3769028	8.04E-03	8.04E-03	9.06E-03	9.06E-03	1.52E-03	1.52E-03	6.65E-04	6.65E-04
336	442070.3	3769037	7.87E-03	7.87E-03	8.87E-03	8.87E-03	1.49E-03	1.49E-03	6.50E-04	6.50E-04
337	442067.5	3769046	7.69E-03	7.69E-03	8.66E-03	8.66E-03	1.45E-03	1.45E-03	6.36E-04	6.36E-04
338	442064.6	3769056	7.50E-03	7.50E-03	8.46E-03	8.46E-03	1.42E-03	1.42E-03	6.20E-04	6.20E-04
339	442061.7	3769065	7.32E-03	7.32E-03	8.25E-03	8.25E-03	1.38E-03	1.38E-03	6.05E-04	6.05E-04
340	442058.8	3769074	7.13E-03	7.13E-03	8.03E-03	8.03E-03	1.35E-03	1.35E-03	5.89E-04	5.89E-04
341	442055.9	3769083	6.93E-03	6.93E-03	7.81E-03	7.81E-03	1.31E-03	1.31E-03	5.73E-04	5.73E-04
342	442053	3769092	6.74E-03	6.74E-03	7.60E-03	7.60E-03	1.27E-03	1.27E-03	5.57E-04	5.57E-04
343	442050.2	3769101	6.54E-03	6.54E-03	7.37E-03	7.37E-03	1.24E-03	1.24E-03	5.41E-04	5.41E-04
344	441989.3	3769171	5.04E-03	5.04E-03	5.68E-03	5.68E-03	9.52E-04	9.52E-04	4.17E-04	4.17E-04
345	441981.8	3769177	4.91E-03	4.91E-03	5.53E-03	5.53E-03	9.27E-04	9.27E-04	4.06E-04	4.06E-04
346	441974.4	3769183	4.77E-03	4.77E-03	5.38E-03	5.38E-03	9.03E-04	9.03E-04	3.95E-04	3.95E-04
347	441966.9	3769189	4.64E-03	4.64E-03	5.23E-03	5.23E-03	8.78E-04	8.78E-04	3.84E-04	3.84E-04
348	441922.2	3769226	3.92E-03	3.92E-03	4.42E-03	4.42E-03	7.41E-04	7.41E-04	3.24E-04	3.24E-04
349	441914.7	3769232	3.80E-03	3.80E-03	4.29E-03	4.29E-03	7.19E-04	7.19E-04	3.15E-04	3.15E-04
350	441907.3	3769238	3.69E-03	3.69E-03	4.16E-03	4.16E-03	6.98E-04	6.98E-04	3.05E-04	3.05E-04
351	441899.8	3769244	3.59E-03	3.59E-03	4.04E-03	4.04E-03	6.78E-04	6.78E-04	2.97E-04	2.97E-04
352	441892.3	3769250	3.49E-03	3.49E-03	3.93E-03	3.93E-03	6.59E-04	6.59E-04	2.88E-04	2.88E-04
353	441884.9	3769256	3.39E-03	3.39E-03	3.82E-03	3.82E-03	6.41E-04	6.41E-04	2.80E-04	2.80E-04
354	441877.4	3769262	3.30E-03	3.30E-03	3.72E-03	3.72E-03	6.23E-04	6.23E-04	2.73E-04	2.73E-04
355	441870	3769268	3.21E-03	3.21E-03	3.61E-03	3.61E-03	6.06E-04	6.06E-04	2.65E-04	2.65E-04
356	441862.5	3769274	3.12E-03	3.12E-03	3.51E-03	3.51E-03	5.89E-04	5.89E-04	2.58E-04	2.58E-04
357	441855.1	3769280	3.03E-03	3.03E-03	3.42E-03	3.42E-03	5.73E-04	5.73E-04	2.51E-04	2.51E-04
358	441847.6	3769286	2.95E-03	2.95E-03	3.33E-03	3.33E-03	5.58E-04	5.58E-04	2.44E-04	2.44E-04
359	441840.1	3769292	2.87E-03	2.87E-03	3.24E-03	3.24E-03	5.43E-04	5.43E-04	2.38E-04	2.38E-04
360	441832.7	3769298	2.80E-03	2.80E-03	3.15E-03	3.15E-03	5.28E-04	5.28E-04	2.31E-04	2.31E-04
361	441825.2	3769304	2.72E-03	2.72E-03	3.07E-03	3.07E-03	5.14E-04	5.14E-04	2.25E-04	2.25E-04
362	441817.8	3769310	2.65E-03	2.65E-03	2.99E-03	2.99E-03	5.01E-04	5.01E-04	2.19E-04	2.19E-04

363	441810.3	3769316	2.59E-03	2.59E-03	2.91E-03	2.91E-03	4.89E-04	4.89E-04	2.14E-04	2.14E-04
364	441802.9	3769322	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
365	441795.4	3769328	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.64E-04	4.64E-04	2.03E-04	2.03E-04
366	441787.9	3769334	2.33E-03	2.33E-03	2.62E-03	2.62E-03	4.40E-04	4.40E-04	1.92E-04	1.92E-04
367	441780.5	3769340	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.29E-04	4.29E-04	1.88E-04	1.88E-04
368	441773	3769346	2.22E-03	2.22E-03	2.50E-03	2.50E-03	4.19E-04	4.19E-04	1.83E-04	1.83E-04
369	441765.6	3769353	2.17E-03	2.17E-03	2.44E-03	2.44E-03	4.10E-04	4.10E-04	1.79E-04	1.79E-04
370	442162.7	3768744	7.28E-03	7.28E-03	8.21E-03	8.21E-03	1.38E-03	1.38E-03	6.02E-04	6.02E-04
371	442199.8	3768754	6.84E-03	6.84E-03	7.71E-03	7.71E-03	1.29E-03	1.29E-03	5.65E-04	5.65E-04
372	442196.8	3768763	7.01E-03	7.01E-03	7.90E-03	7.90E-03	1.33E-03	1.33E-03	5.80E-04	5.80E-04
373	442193.9	3768772	7.18E-03	7.18E-03	8.09E-03	8.09E-03	1.36E-03	1.36E-03	5.94E-04	5.94E-04
374	442191	3768782	7.34E-03	7.34E-03	8.28E-03	8.28E-03	1.39E-03	1.39E-03	6.07E-04	6.07E-04
375	442188.1	3768791	7.50E-03	7.50E-03	8.45E-03	8.45E-03	1.42E-03	1.42E-03	6.20E-04	6.20E-04
376	442185.2	3768800	7.65E-03	7.65E-03	8.62E-03	8.62E-03	1.45E-03	1.45E-03	6.33E-04	6.33E-04
377	442182.3	3768809	7.80E-03	7.80E-03	8.79E-03	8.79E-03	1.47E-03	1.47E-03	6.45E-04	6.45E-04
378	442179.4	3768819	7.93E-03	7.93E-03	8.94E-03	8.94E-03	1.50E-03	1.50E-03	6.55E-04	6.55E-04
379	442176.5	3768828	8.05E-03	8.05E-03	9.07E-03	9.07E-03	1.52E-03	1.52E-03	6.65E-04	6.65E-04
380	442173.6	3768837	8.16E-03	8.16E-03	9.20E-03	9.20E-03	1.54E-03	1.54E-03	6.75E-04	6.75E-04
381	442170.6	3768846	8.27E-03	8.27E-03	9.32E-03	9.32E-03	1.56E-03	1.56E-03	6.83E-04	6.83E-04
382	442167.7	3768856	8.36E-03	8.36E-03	9.42E-03	9.42E-03	1.58E-03	1.58E-03	6.91E-04	6.91E-04
383	442164.8	3768865	8.44E-03	8.44E-03	9.51E-03	9.51E-03	1.60E-03	1.60E-03	6.98E-04	6.98E-04
384	442161.9	3768874	8.51E-03	8.51E-03	9.59E-03	9.59E-03	1.61E-03	1.61E-03	7.03E-04	7.03E-04
385	442159	3768883	8.56E-03	8.56E-03	9.65E-03	9.65E-03	1.62E-03	1.62E-03	7.08E-04	7.08E-04
386	442156.1	3768893	8.60E-03	8.60E-03	9.70E-03	9.70E-03	1.63E-03	1.63E-03	7.11E-04	7.11E-04
387	442153.2	3768902	8.63E-03	8.63E-03	9.73E-03	9.73E-03	1.63E-03	1.63E-03	7.14E-04	7.14E-04
388	442150.3	3768911	8.64E-03	8.64E-03	9.74E-03	9.74E-03	1.63E-03	1.63E-03	7.15E-04	7.15E-04
389	442147.3	3768920	8.64E-03	8.64E-03	9.74E-03	9.74E-03	1.63E-03	1.63E-03	7.14E-04	7.14E-04
390	442144.4	3768930	8.63E-03	8.63E-03	9.72E-03	9.72E-03	1.63E-03	1.63E-03	7.13E-04	7.13E-04
391	442141.5	3768939	8.60E-03	8.60E-03	9.70E-03	9.70E-03	1.63E-03	1.63E-03	7.11E-04	7.11E-04
392	442138.6	3768948	8.56E-03	8.56E-03	9.65E-03	9.65E-03	1.62E-03	1.62E-03	7.08E-04	7.08E-04
393	442135.7	3768957	8.51E-03	8.51E-03	9.59E-03	9.59E-03	1.61E-03	1.61E-03	7.04E-04	7.04E-04
394	442132.8	3768967	8.44E-03	8.44E-03	9.51E-03	9.51E-03	1.60E-03	1.60E-03	6.98E-04	6.98E-04
395	442129.9	3768976	8.36E-03	8.36E-03	9.42E-03	9.42E-03	1.58E-03	1.58E-03	6.91E-04	6.91E-04
396	442115.3	3769022	7.80E-03	7.80E-03	8.79E-03	8.79E-03	1.47E-03	1.47E-03	6.45E-04	6.45E-04
397	442112.4	3769031	7.66E-03	7.66E-03	8.63E-03	8.63E-03	1.45E-03	1.45E-03	6.33E-04	6.33E-04
398	442109.5	3769040	7.52E-03	7.52E-03	8.47E-03	8.47E-03	1.42E-03	1.42E-03	6.21E-04	6.21E-04
399	442106.6	3769050	7.36E-03	7.36E-03	8.30E-03	8.30E-03	1.39E-03	1.39E-03	6.09E-04	6.09E-04
400	442103.7	3769059	7.20E-03	7.20E-03	8.12E-03	8.12E-03	1.36E-03	1.36E-03	5.96E-04	5.96E-04
401	442100.8	3769068	7.04E-03	7.04E-03	7.93E-03	7.93E-03	1.33E-03	1.33E-03	5.82E-04	5.82E-04
402	442097.9	3769077	6.87E-03	6.87E-03	7.74E-03	7.74E-03	1.30E-03	1.30E-03	5.68E-04	5.68E-04
403	442094.9	3769087	6.70E-03	6.70E-03	7.55E-03	7.55E-03	1.27E-03	1.27E-03	5.54E-04	5.54E-04
404	442092	3769096	6.52E-03	6.52E-03	7.35E-03	7.35E-03	1.23E-03	1.23E-03	5.39E-04	5.39E-04
405	442089.1	3769105	6.35E-03	6.35E-03	7.15E-03	7.15E-03	1.20E-03	1.20E-03	5.25E-04	5.25E-04
406	442086.2	3769114	6.17E-03	6.17E-03	6.95E-03	6.95E-03	1.17E-03	1.17E-03	5.10E-04	5.10E-04
407	442083.3	3769124	5.99E-03	5.99E-03	6.75E-03	6.75E-03	1.13E-03	1.13E-03	4.95E-04	4.95E-04
408	442080.4	3769133	5.81E-03	5.81E-03	6.55E-03	6.55E-03	1.10E-03	1.10E-03	4.80E-04	4.80E-04
409	442077.5	3769142	5.63E-03	5.63E-03	6.35E-03	6.35E-03	1.06E-03	1.06E-03	4.66E-04	4.66E-04
410	442067	3769157	5.35E-03	5.35E-03	6.03E-03	6.03E-03	1.01E-03	1.01E-03	4.42E-04	4.42E-04
411	442059.5	3769164	5.23E-03	5.23E-03	5.90E-03	5.90E-03	9.89E-04	9.89E-04	4.33E-04	4.33E-04
412	442052	3769170	5.12E-03	5.12E-03	5.77E-03	5.77E-03	9.68E-04	9.68E-04	4.23E-04	4.23E-04
413	441946.6	3769255	3.36E-03	3.36E-03	3.79E-03	3.79E-03	6.35E-04	6.35E-04	2.78E-04	2.78E-04
414	441939.1	3769261	3.26E-03	3.26E-03	3.67E-03	3.67E-03	6.16E-04	6.16E-04	2.69E-04	2.69E-04
415	441931.6	3769267	3.17E-03	3.17E-03	3.58E-03	3.58E-03	6.00E-04	6.00E-04	2.62E-04	2.62E-04
416	441924.1	3769273	3.10E-03	3.10E-03	3.50E-03	3.50E-03	5.86E-04	5.86E-04	2.56E-04	2.56E-04
417	441916.5	3769279	3.15E-03	3.15E-03	3.55E-03	3.55E-03	5.95E-04	5.95E-04	2.60E-04	2.60E-04
418	441909	3769286	3.06E-03	3.06E-03	3.45E-03	3.45E-03	5.79E-04	5.79E-04	2.53E-04	2.53E-04
419	441901.5	3769292	2.98E-03	2.98E-03	3.36E-03	3.36E-03	5.64E-04	5.64E-04	2.46E-04	2.46E-04
420	441894	3769298	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.48E-04	5.48E-04	2.40E-04	2.40E-04
421	441886.4	3769304	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.34E-04	5.34E-04	2.33E-04	2.33E-04
422	441878.9	3769310	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.19E-04	5.19E-04	2.27E-04	2.27E-04
423	441871.4	3769316	2.58E-03	2.58E-03	2.90E-03	2.90E-03	4.87E-04	4.87E-04	2.13E-04	2.13E-04
424	441863.9	3769322	2.51E-03	2.51E-03	2.82E-03	2.82E-03	4.74E-04	4.74E-04	2.07E-04	2.07E-04
425	441856.3	3769328	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.62E-04	4.62E-04	2.02E-04	2.02E-04
426	441848.8	3769334	2.38E-03	2.38E-03	2.68E-03	2.68E-03	4.50E-04	4.50E-04	1.97E-04	1.97E-04
427	441841.3	3769340	2.31E-03	2.31E-03	2.61E-03	2.61E-03	4.37E-04	4.37E-04	1.91E-04	1.91E-04
428	441833.8	3769347	2.26E-03	2.26E-03	2.54E-03	2.54E-03	4.26E-04	4.26E-04	1.87E-04	1.87E-04
429	441826.2	3769353	2.21E-03	2.21E-03	2.49E-03	2.49E-03	4.17E-04	4.17E-04	1.82E-04	1.82E-04
430	442202.7	3768745	6.66E-03	6.66E-03	7.51E-03	7.51E-03	1.26E-03	1.26E-03	5.51E-04	5.51E-04
431	442239.8	3768754	6.27E-03	6.27E-03	7.06E-03	7.06E-03	1.18E-03	1.18E-03	5.18E-04	5.18E-04
432	442236.9	3768764	6.42E-03	6.42E-03	7.24E-03	7.24E-03	1.21E-03	1.21E-03	5.31E-04	5.31E-04
433	442234	3768773	6.58E-03	6.58E-03	7.41E-03	7.41E-03	1.24E-03	1.24E-03	5.44E-04	5.44E-04
434	442231.2	3768782	6.73E-03	6.73E-03	7.58E-03	7.58E-03	1.27E-03	1.27E-03	5.56E-04	5.56E-04
435	442228.3	3768791	6.87E-03	6.87E-03	7.74E-03	7.74E-03	1.30E-03	1.30E-03	5.68E-04	5.68E-04

436	442225.4	3768800	7.01E-03	7.01E-03	7.90E-03	7.90E-03	1.32E-03	1.32E-03	5.79E-04	5.79E-04
437	442222.5	3768809	7.14E-03	7.14E-03	8.05E-03	8.05E-03	1.35E-03	1.35E-03	5.90E-04	5.90E-04
438	442219.7	3768818	7.26E-03	7.26E-03	8.18E-03	8.18E-03	1.37E-03	1.37E-03	6.00E-04	6.00E-04
439	442216.8	3768827	7.37E-03	7.37E-03	8.31E-03	8.31E-03	1.39E-03	1.39E-03	6.10E-04	6.10E-04
440	442213.9	3768836	7.48E-03	7.48E-03	8.43E-03	8.43E-03	1.41E-03	1.41E-03	6.18E-04	6.18E-04
441	442211.1	3768846	7.57E-03	7.57E-03	8.54E-03	8.54E-03	1.43E-03	1.43E-03	6.26E-04	6.26E-04
442	442208.2	3768855	7.66E-03	7.66E-03	8.64E-03	8.64E-03	1.45E-03	1.45E-03	6.34E-04	6.34E-04
443	442205.3	3768864	7.75E-03	7.75E-03	8.73E-03	8.73E-03	1.46E-03	1.46E-03	6.40E-04	6.40E-04
444	442202.4	3768873	7.82E-03	7.82E-03	8.81E-03	8.81E-03	1.48E-03	1.48E-03	6.47E-04	6.47E-04
445	442199.6	3768882	7.88E-03	7.88E-03	8.88E-03	8.88E-03	1.49E-03	1.49E-03	6.52E-04	6.52E-04
446	442196.7	3768891	7.93E-03	7.93E-03	8.94E-03	8.94E-03	1.50E-03	1.50E-03	6.56E-04	6.56E-04
447	442193.8	3768900	7.97E-03	7.97E-03	8.98E-03	8.98E-03	1.51E-03	1.51E-03	6.59E-04	6.59E-04
448	442191	3768909	8.00E-03	8.00E-03	9.01E-03	9.01E-03	1.51E-03	1.51E-03	6.61E-04	6.61E-04
449	442188.1	3768919	8.01E-03	8.01E-03	9.03E-03	9.03E-03	1.51E-03	1.51E-03	6.62E-04	6.62E-04
450	442185.2	3768928	8.02E-03	8.02E-03	9.04E-03	9.04E-03	1.52E-03	1.52E-03	6.63E-04	6.63E-04
451	442182.3	3768937	8.02E-03	8.02E-03	9.04E-03	9.04E-03	1.52E-03	1.52E-03	6.63E-04	6.63E-04
452	442179.5	3768946	8.01E-03	8.01E-03	9.02E-03	9.02E-03	1.51E-03	1.51E-03	6.62E-04	6.62E-04
453	442176.6	3768955	7.98E-03	7.98E-03	8.99E-03	8.99E-03	1.51E-03	1.51E-03	6.60E-04	6.60E-04
454	442173.7	3768964	7.94E-03	7.94E-03	8.95E-03	8.95E-03	1.50E-03	1.50E-03	6.57E-04	6.57E-04
455	442170.8	3768973	7.89E-03	7.89E-03	8.89E-03	8.89E-03	1.49E-03	1.49E-03	6.52E-04	6.52E-04
456	442168	3768982	7.82E-03	7.82E-03	8.82E-03	8.82E-03	1.48E-03	1.48E-03	6.47E-04	6.47E-04
457	442156.5	3769019	7.47E-03	7.47E-03	8.42E-03	8.42E-03	1.41E-03	1.41E-03	6.17E-04	6.17E-04
458	442153.6	3769028	7.36E-03	7.36E-03	8.30E-03	8.30E-03	1.39E-03	1.39E-03	6.09E-04	6.09E-04
459	442150.7	3769037	7.25E-03	7.25E-03	8.17E-03	8.17E-03	1.37E-03	1.37E-03	5.99E-04	5.99E-04
460	442147.9	3769046	7.12E-03	7.12E-03	8.03E-03	8.03E-03	1.35E-03	1.35E-03	5.89E-04	5.89E-04
461	442145	3769055	7.00E-03	7.00E-03	7.89E-03	7.89E-03	1.32E-03	1.32E-03	5.79E-04	5.79E-04
462	442142.1	3769064	6.86E-03	6.86E-03	7.74E-03	7.74E-03	1.30E-03	1.30E-03	5.67E-04	5.67E-04
463	442139.2	3769074	6.72E-03	6.72E-03	7.58E-03	7.58E-03	1.27E-03	1.27E-03	5.56E-04	5.56E-04
464	442136.4	3769083	6.58E-03	6.58E-03	7.42E-03	7.42E-03	1.24E-03	1.24E-03	5.44E-04	5.44E-04
465	442133.5	3769092	6.43E-03	6.43E-03	7.25E-03	7.25E-03	1.22E-03	1.22E-03	5.32E-04	5.32E-04
466	442130.6	3769101	6.28E-03	6.28E-03	7.08E-03	7.08E-03	1.19E-03	1.19E-03	5.19E-04	5.19E-04
467	442127.8	3769110	6.13E-03	6.13E-03	6.91E-03	6.91E-03	1.16E-03	1.16E-03	5.07E-04	5.07E-04
468	442124.9	3769119	5.97E-03	5.97E-03	6.73E-03	6.73E-03	1.13E-03	1.13E-03	4.94E-04	4.94E-04
469	442122	3769128	5.81E-03	5.81E-03	6.55E-03	6.55E-03	1.10E-03	1.10E-03	4.81E-04	4.81E-04
470	442119.1	3769137	5.65E-03	5.65E-03	6.37E-03	6.37E-03	1.07E-03	1.07E-03	4.67E-04	4.67E-04
471	442116.3	3769146	5.49E-03	5.49E-03	6.19E-03	6.19E-03	1.04E-03	1.04E-03	4.54E-04	4.54E-04
472	442113.4	3769156	5.34E-03	5.34E-03	6.01E-03	6.01E-03	1.01E-03	1.01E-03	4.41E-04	4.41E-04
473	442110.5	3769165	5.18E-03	5.18E-03	5.84E-03	5.84E-03	9.79E-04	9.79E-04	4.28E-04	4.28E-04
474	442100.2	3769180	4.93E-03	4.93E-03	5.55E-03	5.55E-03	9.31E-04	9.31E-04	4.07E-04	4.07E-04
475	442092.8	3769186	4.83E-03	4.83E-03	5.44E-03	5.44E-03	9.12E-04	9.12E-04	3.99E-04	3.99E-04
476	442085.4	3769192	4.72E-03	4.72E-03	5.32E-03	5.32E-03	8.93E-04	8.93E-04	3.91E-04	3.91E-04
477	442077.9	3769198	4.62E-03	4.62E-03	5.21E-03	5.21E-03	8.74E-04	8.74E-04	3.82E-04	3.82E-04
478	442070.5	3769204	4.52E-03	4.52E-03	5.09E-03	5.09E-03	8.54E-04	8.54E-04	3.74E-04	3.74E-04
479	442048.2	3769222	4.20E-03	4.20E-03	4.74E-03	4.74E-03	7.94E-04	7.94E-04	3.47E-04	3.47E-04
480	442040.8	3769228	4.09E-03	4.09E-03	4.61E-03	4.61E-03	7.74E-04	7.74E-04	3.39E-04	3.39E-04
481	441944.3	3769306	2.77E-03	2.77E-03	3.12E-03	3.12E-03	5.23E-04	5.23E-04	2.29E-04	2.29E-04
482	441936.8	3769312	2.70E-03	2.70E-03	3.04E-03	3.04E-03	5.11E-04	5.11E-04	2.23E-04	2.23E-04
483	441929.4	3769318	2.63E-03	2.63E-03	2.96E-03	2.96E-03	4.97E-04	4.97E-04	2.17E-04	2.17E-04
484	441922	3769324	2.56E-03	2.56E-03	2.89E-03	2.89E-03	4.84E-04	4.84E-04	2.12E-04	2.12E-04
485	441914.6	3769330	2.50E-03	2.50E-03	2.81E-03	2.81E-03	4.72E-04	4.72E-04	2.06E-04	2.06E-04
486	441907.1	3769336	2.43E-03	2.43E-03	2.74E-03	2.74E-03	4.60E-04	4.60E-04	2.01E-04	2.01E-04
487	441899.7	3769342	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.49E-04	4.49E-04	1.96E-04	1.96E-04
488	441892.3	3769348	2.32E-03	2.32E-03	2.62E-03	2.62E-03	4.39E-04	4.39E-04	1.92E-04	1.92E-04
489	441884.9	3769354	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.29E-04	4.29E-04	1.88E-04	1.88E-04
490	441847.7	3769385	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.85E-04	3.85E-04	1.69E-04	1.69E-04
491	441840.3	3769391	2.00E-03	2.00E-03	2.25E-03	2.25E-03	3.77E-04	3.77E-04	1.65E-04	1.65E-04
492	441832.9	3769397	1.96E-03	1.96E-03	2.21E-03	2.21E-03	3.70E-04	3.70E-04	1.62E-04	1.62E-04
493	441825.5	3769403	1.92E-03	1.92E-03	2.16E-03	2.16E-03	3.63E-04	3.63E-04	1.59E-04	1.59E-04
494	441818	3769409	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
495	441810.6	3769415	1.85E-03	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
496	441803.2	3769421	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.45E-04	3.45E-04	1.51E-04	1.51E-04
497	441795.8	3769427	1.80E-03	1.80E-03	2.02E-03	2.02E-03	3.39E-04	3.39E-04	1.48E-04	1.48E-04
498	442242.7	3768745	6.11E-03	6.11E-03	6.88E-03	6.88E-03	1.15E-03	1.15E-03	5.05E-04	5.05E-04
499	442279.8	3768755	5.77E-03	5.77E-03	6.50E-03	6.50E-03	1.09E-03	1.09E-03	4.77E-04	4.77E-04
500	442276.9	3768764	5.92E-03	5.92E-03	6.67E-03	6.67E-03	1.12E-03	1.12E-03	4.89E-04	4.89E-04
501	442274	3768773	6.06E-03	6.06E-03	6.83E-03	6.83E-03	1.14E-03	1.14E-03	5.01E-04	5.01E-04
502	442271.1	3768783	6.19E-03	6.19E-03	6.98E-03	6.98E-03	1.17E-03	1.17E-03	5.12E-04	5.12E-04
503	442268.2	3768792	6.33E-03	6.33E-03	7.13E-03	7.13E-03	1.20E-03	1.20E-03	5.23E-04	5.23E-04
504	442265.3	3768801	6.45E-03	6.45E-03	7.27E-03	7.27E-03	1.22E-03	1.22E-03	5.34E-04	5.34E-04
505	442262.4	3768810	6.58E-03	6.58E-03	7.41E-03	7.41E-03	1.24E-03	1.24E-03	5.44E-04	5.44E-04
506	442259.5	3768819	6.69E-03	6.69E-03	7.54E-03	7.54E-03	1.27E-03	1.27E-03	5.53E-04	5.53E-04
507	442256.6	3768829	6.80E-03	6.80E-03	7.67E-03	7.67E-03	1.29E-03	1.29E-03	5.62E-04	5.62E-04
508	442253.7	3768838	6.90E-03	6.90E-03	7.78E-03	7.78E-03	1.30E-03	1.30E-03	5.71E-04	5.71E-04

509	442250.8	3768847	6.99E-03	6.99E-03	7.88E-03	7.88E-03	1.32E-03	1.32E-03	5.78E-04	5.78E-04
510	442247.9	3768856	7.07E-03	7.07E-03	7.97E-03	7.97E-03	1.34E-03	1.34E-03	5.85E-04	5.85E-04
511	442245	3768865	7.15E-03	7.15E-03	8.06E-03	8.06E-03	1.35E-03	1.35E-03	5.91E-04	5.91E-04
512	442242.1	3768875	7.21E-03	7.21E-03	8.13E-03	8.13E-03	1.36E-03	1.36E-03	5.96E-04	5.96E-04
513	442239.2	3768884	7.27E-03	7.27E-03	8.20E-03	8.20E-03	1.37E-03	1.37E-03	6.01E-04	6.01E-04
514	442236.3	3768893	7.32E-03	7.32E-03	8.25E-03	8.25E-03	1.38E-03	1.38E-03	6.05E-04	6.05E-04
515	442233.4	3768902	7.36E-03	7.36E-03	8.30E-03	8.30E-03	1.39E-03	1.39E-03	6.09E-04	6.09E-04
516	442230.5	3768911	7.40E-03	7.40E-03	8.34E-03	8.34E-03	1.40E-03	1.40E-03	6.12E-04	6.12E-04
517	442227.6	3768920	7.42E-03	7.42E-03	8.37E-03	8.37E-03	1.40E-03	1.40E-03	6.14E-04	6.14E-04
518	442224.7	3768930	7.44E-03	7.44E-03	8.38E-03	8.38E-03	1.41E-03	1.41E-03	6.15E-04	6.15E-04
519	442221.8	3768939	7.45E-03	7.45E-03	8.40E-03	8.40E-03	1.41E-03	1.41E-03	6.16E-04	6.16E-04
520	442218.9	3768948	7.46E-03	7.46E-03	8.41E-03	8.41E-03	1.41E-03	1.41E-03	6.17E-04	6.17E-04
521	442216	3768957	7.45E-03	7.45E-03	8.40E-03	8.40E-03	1.41E-03	1.41E-03	6.16E-04	6.16E-04
522	442213.1	3768966	7.43E-03	7.43E-03	8.38E-03	8.38E-03	1.40E-03	1.40E-03	6.15E-04	6.15E-04
523	442210.2	3768976	7.40E-03	7.40E-03	8.34E-03	8.34E-03	1.40E-03	1.40E-03	6.12E-04	6.12E-04
524	442195.8	3769022	7.09E-03	7.09E-03	7.99E-03	7.99E-03	1.34E-03	1.34E-03	5.86E-04	5.86E-04
525	442192.9	3769031	7.00E-03	7.00E-03	7.89E-03	7.89E-03	1.32E-03	1.32E-03	5.79E-04	5.79E-04
526	442190	3769040	6.90E-03	6.90E-03	7.78E-03	7.78E-03	1.30E-03	1.30E-03	5.71E-04	5.71E-04
527	442187.1	3769049	6.80E-03	6.80E-03	7.66E-03	7.66E-03	1.28E-03	1.28E-03	5.62E-04	5.62E-04
528	442184.2	3769058	6.69E-03	6.69E-03	7.54E-03	7.54E-03	1.26E-03	1.26E-03	5.53E-04	5.53E-04
529	442181.3	3769068	6.57E-03	6.57E-03	7.40E-03	7.40E-03	1.24E-03	1.24E-03	5.43E-04	5.43E-04
530	442178.4	3769077	6.45E-03	6.45E-03	7.27E-03	7.27E-03	1.22E-03	1.22E-03	5.33E-04	5.33E-04
531	442175.5	3769086	6.32E-03	6.32E-03	7.13E-03	7.13E-03	1.19E-03	1.19E-03	5.23E-04	5.23E-04
532	442172.6	3769095	6.19E-03	6.19E-03	6.98E-03	6.98E-03	1.17E-03	1.17E-03	5.12E-04	5.12E-04
533	442169.7	3769104	6.06E-03	6.06E-03	6.83E-03	6.83E-03	1.15E-03	1.15E-03	5.01E-04	5.01E-04
534	442166.8	3769114	5.92E-03	5.92E-03	6.68E-03	6.68E-03	1.12E-03	1.12E-03	4.90E-04	4.90E-04
535	442163.9	3769123	5.79E-03	5.79E-03	6.52E-03	6.52E-03	1.09E-03	1.09E-03	4.78E-04	4.78E-04
536	442161	3769132	5.65E-03	5.65E-03	6.36E-03	6.36E-03	1.07E-03	1.07E-03	4.67E-04	4.67E-04
537	442158.1	3769141	5.50E-03	5.50E-03	6.20E-03	6.20E-03	1.04E-03	1.04E-03	4.55E-04	4.55E-04
538	442155.2	3769150	5.36E-03	5.36E-03	6.04E-03	6.04E-03	1.01E-03	1.01E-03	4.43E-04	4.43E-04
539	442152.3	3769160	5.22E-03	5.22E-03	5.88E-03	5.88E-03	9.86E-04	9.86E-04	4.31E-04	4.31E-04
540	442149.4	3769169	5.07E-03	5.07E-03	5.72E-03	5.72E-03	9.59E-04	9.59E-04	4.20E-04	4.20E-04
541	442146.5	3769178	4.93E-03	4.93E-03	5.56E-03	5.56E-03	9.32E-04	9.32E-04	4.08E-04	4.08E-04
542	442143.6	3769187	4.79E-03	4.79E-03	5.40E-03	5.40E-03	9.06E-04	9.06E-04	3.96E-04	3.96E-04
543	442133.2	3769202	4.56E-03	4.56E-03	5.14E-03	5.14E-03	8.62E-04	8.62E-04	3.77E-04	3.77E-04
544	442103.3	3769227	4.18E-03	4.18E-03	4.72E-03	4.72E-03	7.91E-04	7.91E-04	3.46E-04	3.46E-04
545	442095.8	3769233	4.09E-03	4.09E-03	4.61E-03	4.61E-03	7.73E-04	7.73E-04	3.38E-04	3.38E-04
546	442088.3	3769239	4.00E-03	4.00E-03	4.50E-03	4.50E-03	7.55E-04	7.55E-04	3.30E-04	3.30E-04
547	442080.8	3769245	3.90E-03	3.90E-03	4.40E-03	4.40E-03	7.38E-04	7.38E-04	3.23E-04	3.23E-04
548	442073.3	3769251	3.81E-03	3.81E-03	4.29E-03	4.29E-03	7.19E-04	7.19E-04	3.15E-04	3.15E-04
549	442065.8	3769257	3.71E-03	3.71E-03	4.18E-03	4.18E-03	7.01E-04	7.01E-04	3.07E-04	3.07E-04
550	442058.3	3769263	3.61E-03	3.61E-03	4.07E-03	4.07E-03	6.83E-04	6.83E-04	2.99E-04	2.99E-04
551	442050.9	3769269	3.52E-03	3.52E-03	3.97E-03	3.97E-03	6.66E-04	6.66E-04	2.91E-04	2.91E-04
552	442043.4	3769275	3.43E-03	3.43E-03	3.87E-03	3.87E-03	6.49E-04	6.49E-04	2.84E-04	2.84E-04
553	442035.9	3769281	3.34E-03	3.34E-03	3.77E-03	3.77E-03	6.32E-04	6.32E-04	2.76E-04	2.76E-04
554	442028.4	3769287	3.25E-03	3.25E-03	3.67E-03	3.67E-03	6.15E-04	6.15E-04	2.69E-04	2.69E-04
555	441908.6	3769385	2.07E-03	2.07E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.71E-04	1.71E-04
556	441901.1	3769391	2.03E-03	2.03E-03	2.29E-03	2.29E-03	3.84E-04	3.84E-04	1.68E-04	1.68E-04
557	441893.6	3769397	1.99E-03	1.99E-03	2.25E-03	2.25E-03	3.77E-04	3.77E-04	1.65E-04	1.65E-04
558	441886.1	3769403	1.95E-03	1.95E-03	2.20E-03	2.20E-03	3.69E-04	3.69E-04	1.62E-04	1.62E-04
559	441878.6	3769409	1.92E-03	1.92E-03	2.16E-03	2.16E-03	3.62E-04	3.62E-04	1.58E-04	1.58E-04
560	441871.1	3769415	1.88E-03	1.88E-03	2.12E-03	2.12E-03	3.55E-04	3.55E-04	1.55E-04	1.55E-04
561	441863.7	3769421	1.84E-03	1.84E-03	2.08E-03	2.08E-03	3.48E-04	3.48E-04	1.52E-04	1.52E-04
562	441856.2	3769427	1.81E-03	1.81E-03	2.03E-03	2.03E-03	3.41E-04	3.41E-04	1.49E-04	1.49E-04
563	441848.7	3769433	1.77E-03	1.77E-03	2.00E-03	2.00E-03	3.35E-04	3.35E-04	1.46E-04	1.46E-04
564	441841.2	3769439	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.29E-04	3.29E-04	1.44E-04	1.44E-04
565	441833.7	3769445	1.72E-03	1.72E-03	1.93E-03	1.93E-03	3.24E-04	3.24E-04	1.42E-04	1.42E-04
566	441826.2	3769451	1.69E-03	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.40E-04	1.40E-04
567	441818.7	3769457	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.14E-04	3.14E-04	1.38E-04	1.38E-04
568	442282.7	3768746	5.62E-03	5.62E-03	6.34E-03	6.34E-03	1.06E-03	1.06E-03	4.65E-04	4.65E-04
569	442319.7	3768756	5.33E-03	5.33E-03	6.00E-03	6.00E-03	1.01E-03	1.01E-03	4.40E-04	4.40E-04
570	442316.8	3768765	5.46E-03	5.46E-03	6.15E-03	6.15E-03	1.03E-03	1.03E-03	4.51E-04	4.51E-04
571	442313.9	3768774	5.59E-03	5.59E-03	6.30E-03	6.30E-03	1.06E-03	1.06E-03	4.62E-04	4.62E-04
572	442311	3768783	5.72E-03	5.72E-03	6.44E-03	6.44E-03	1.08E-03	1.08E-03	4.73E-04	4.73E-04
573	442308.1	3768793	5.84E-03	5.84E-03	6.58E-03	6.58E-03	1.10E-03	1.10E-03	4.83E-04	4.83E-04
574	442305.1	3768802	5.96E-03	5.96E-03	6.71E-03	6.71E-03	1.13E-03	1.13E-03	4.93E-04	4.93E-04
575	442302.2	3768811	6.07E-03	6.07E-03	6.84E-03	6.84E-03	1.15E-03	1.15E-03	5.02E-04	5.02E-04
576	442299.3	3768820	6.18E-03	6.18E-03	6.96E-03	6.96E-03	1.17E-03	1.17E-03	5.11E-04	5.11E-04
577	442296.4	3768830	6.28E-03	6.28E-03	7.08E-03	7.08E-03	1.19E-03	1.19E-03	5.19E-04	5.19E-04
578	442293.5	3768839	6.37E-03	6.37E-03	7.18E-03	7.18E-03	1.20E-03	1.20E-03	5.27E-04	5.27E-04
579	442290.5	3768848	6.46E-03	6.46E-03	7.28E-03	7.28E-03	1.22E-03	1.22E-03	5.34E-04	5.34E-04
580	442287.6	3768857	6.54E-03	6.54E-03	7.37E-03	7.37E-03	1.24E-03	1.24E-03	5.41E-04	5.41E-04
581	442284.7	3768867	6.62E-03	6.62E-03	7.46E-03	7.46E-03	1.25E-03	1.25E-03	5.47E-04	5.47E-04

582	442281.8	3768876	6.68E-03	6.68E-03	7.53E-03	7.53E-03	1.26E-03	1.26E-03	5.53E-04	5.53E-04
583	442278.9	3768885	6.75E-03	6.75E-03	7.60E-03	7.60E-03	1.28E-03	1.28E-03	5.58E-04	5.58E-04
584	442275.9	3768895	6.80E-03	6.80E-03	7.66E-03	7.66E-03	1.29E-03	1.29E-03	5.62E-04	5.62E-04
585	442273	3768904	6.84E-03	6.84E-03	7.71E-03	7.71E-03	1.29E-03	1.29E-03	5.66E-04	5.66E-04
586	442270.1	3768913	6.89E-03	6.89E-03	7.76E-03	7.76E-03	1.30E-03	1.30E-03	5.69E-04	5.69E-04
587	442267.2	3768922	6.92E-03	6.92E-03	7.80E-03	7.80E-03	1.31E-03	1.31E-03	5.72E-04	5.72E-04
588	442264.3	3768932	6.94E-03	6.94E-03	7.83E-03	7.83E-03	1.31E-03	1.31E-03	5.74E-04	5.74E-04
589	442261.4	3768941	6.96E-03	6.96E-03	7.84E-03	7.84E-03	1.32E-03	1.32E-03	5.75E-04	5.75E-04
590	442258.4	3768950	6.97E-03	6.97E-03	7.85E-03	7.85E-03	1.32E-03	1.32E-03	5.76E-04	5.76E-04
591	442255.5	3768959	6.97E-03	6.97E-03	7.85E-03	7.85E-03	1.32E-03	1.32E-03	5.76E-04	5.76E-04
592	442252.6	3768969	6.96E-03	6.96E-03	7.84E-03	7.84E-03	1.31E-03	1.31E-03	5.75E-04	5.75E-04
593	442249.7	3768978	6.94E-03	6.94E-03	7.82E-03	7.82E-03	1.31E-03	1.31E-03	5.73E-04	5.73E-04
594	442246.8	3768987	6.91E-03	6.91E-03	7.78E-03	7.78E-03	1.31E-03	1.31E-03	5.71E-04	5.71E-04
595	442232.2	3769034	6.64E-03	6.64E-03	7.49E-03	7.49E-03	1.26E-03	1.26E-03	5.49E-04	5.49E-04
596	442229.2	3769043	6.57E-03	6.57E-03	7.40E-03	7.40E-03	1.24E-03	1.24E-03	5.43E-04	5.43E-04
597	442226.3	3769052	6.48E-03	6.48E-03	7.30E-03	7.30E-03	1.23E-03	1.23E-03	5.36E-04	5.36E-04
598	442223.4	3769061	6.39E-03	6.39E-03	7.20E-03	7.20E-03	1.21E-03	1.21E-03	5.28E-04	5.28E-04
599	442220.5	3769071	6.29E-03	6.29E-03	7.09E-03	7.09E-03	1.19E-03	1.19E-03	5.20E-04	5.20E-04
600	442217.6	3769080	6.18E-03	6.18E-03	6.97E-03	6.97E-03	1.17E-03	1.17E-03	5.11E-04	5.11E-04
601	442214.7	3769089	6.07E-03	6.07E-03	6.85E-03	6.85E-03	1.15E-03	1.15E-03	5.02E-04	5.02E-04
602	442211.7	3769098	5.96E-03	5.96E-03	6.72E-03	6.72E-03	1.13E-03	1.13E-03	4.93E-04	4.93E-04
603	442208.8	3769108	5.84E-03	5.84E-03	6.59E-03	6.59E-03	1.10E-03	1.10E-03	4.83E-04	4.83E-04
604	442205.9	3769117	5.72E-03	5.72E-03	6.45E-03	6.45E-03	1.08E-03	1.08E-03	4.73E-04	4.73E-04
605	442203	3769126	5.60E-03	5.60E-03	6.31E-03	6.31E-03	1.06E-03	1.06E-03	4.63E-04	4.63E-04
606	442200.1	3769135	5.47E-03	5.47E-03	6.17E-03	6.17E-03	1.03E-03	1.03E-03	4.53E-04	4.53E-04
607	442197.1	3769145	5.35E-03	5.35E-03	6.03E-03	6.03E-03	1.01E-03	1.01E-03	4.42E-04	4.42E-04
608	442194.2	3769154	5.22E-03	5.22E-03	5.88E-03	5.88E-03	9.87E-04	9.87E-04	4.32E-04	4.32E-04
609	442191.3	3769163	5.09E-03	5.09E-03	5.74E-03	5.74E-03	9.62E-04	9.62E-04	4.21E-04	4.21E-04
610	442188.4	3769172	4.96E-03	4.96E-03	5.59E-03	5.59E-03	9.38E-04	9.38E-04	4.10E-04	4.10E-04
611	442185.5	3769182	4.83E-03	4.83E-03	5.44E-03	5.44E-03	9.13E-04	9.13E-04	3.99E-04	3.99E-04
612	442182.5	3769191	4.70E-03	4.70E-03	5.29E-03	5.29E-03	8.88E-04	8.88E-04	3.88E-04	3.88E-04
613	442179.6	3769200	4.57E-03	4.57E-03	5.15E-03	5.15E-03	8.63E-04	8.63E-04	3.77E-04	3.77E-04
614	442158.7	3769231	4.14E-03	4.14E-03	4.66E-03	4.66E-03	7.82E-04	7.82E-04	3.42E-04	3.42E-04
615	442151.2	3769237	4.06E-03	4.06E-03	4.57E-03	4.57E-03	7.67E-04	7.67E-04	3.35E-04	3.35E-04
616	442143.6	3769243	3.97E-03	3.97E-03	4.48E-03	4.48E-03	7.51E-04	7.51E-04	3.28E-04	3.28E-04
617	442136.1	3769249	3.89E-03	3.89E-03	4.38E-03	4.38E-03	7.35E-04	7.35E-04	3.21E-04	3.21E-04
618	442128.5	3769256	3.80E-03	3.80E-03	4.29E-03	4.29E-03	7.19E-04	7.19E-04	3.14E-04	3.14E-04
619	442121	3769262	3.72E-03	3.72E-03	4.19E-03	4.19E-03	7.03E-04	7.03E-04	3.07E-04	3.07E-04
620	442113.4	3769268	3.63E-03	3.63E-03	4.09E-03	4.09E-03	6.87E-04	6.87E-04	3.00E-04	3.00E-04
621	442105.9	3769274	3.55E-03	3.55E-03	4.00E-03	4.00E-03	6.70E-04	6.70E-04	2.93E-04	2.93E-04
622	442098.3	3769280	3.46E-03	3.46E-03	3.90E-03	3.90E-03	6.54E-04	6.54E-04	2.86E-04	2.86E-04
623	442090.8	3769286	3.37E-03	3.37E-03	3.80E-03	3.80E-03	6.38E-04	6.38E-04	2.79E-04	2.79E-04
624	442083.2	3769292	3.29E-03	3.29E-03	3.71E-03	3.71E-03	6.22E-04	6.22E-04	2.72E-04	2.72E-04
625	442075.7	3769298	3.21E-03	3.21E-03	3.62E-03	3.62E-03	6.06E-04	6.06E-04	2.65E-04	2.65E-04
626	442068.2	3769304	3.13E-03	3.13E-03	3.52E-03	3.52E-03	5.91E-04	5.91E-04	2.59E-04	2.59E-04
627	442060.6	3769311	3.05E-03	3.05E-03	3.44E-03	3.44E-03	5.76E-04	5.76E-04	2.52E-04	2.52E-04
628	442053.1	3769317	2.97E-03	2.97E-03	3.35E-03	3.35E-03	5.62E-04	5.62E-04	2.46E-04	2.46E-04
629	442045.5	3769323	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.48E-04	5.48E-04	2.40E-04	2.40E-04
630	442038	3769329	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.34E-04	5.34E-04	2.33E-04	2.33E-04
631	442030.4	3769335	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.20E-04	5.20E-04	2.27E-04	2.27E-04
632	442022.9	3769341	2.57E-03	2.57E-03	2.90E-03	2.90E-03	4.86E-04	4.86E-04	2.12E-04	2.12E-04
633	441970.1	3769384	2.15E-03	2.15E-03	2.43E-03	2.43E-03	4.07E-04	4.07E-04	1.78E-04	1.78E-04
634	441962.5	3769390	2.11E-03	2.11E-03	2.38E-03	2.38E-03	3.99E-04	3.99E-04	1.74E-04	1.74E-04
635	441955	3769396	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.90E-04	3.90E-04	1.71E-04	1.71E-04
636	441947.4	3769402	2.02E-03	2.02E-03	2.28E-03	2.28E-03	3.82E-04	3.82E-04	1.67E-04	1.67E-04
637	441939.9	3769408	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.64E-04	1.64E-04
638	441932.3	3769415	1.94E-03	1.94E-03	2.19E-03	2.19E-03	3.67E-04	3.67E-04	1.60E-04	1.60E-04
639	441924.8	3769421	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.60E-04	3.60E-04	1.58E-04	1.58E-04
640	441917.2	3769427	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.53E-04	3.53E-04	1.54E-04	1.54E-04
641	441909.7	3769433	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
642	441902.2	3769439	1.80E-03	1.80E-03	2.02E-03	2.02E-03	3.39E-04	3.39E-04	1.48E-04	1.48E-04
643	441894.6	3769445	1.76E-03	1.76E-03	1.99E-03	1.99E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
644	441887.1	3769451	1.73E-03	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
645	441879.5	3769457	1.70E-03	1.70E-03	1.91E-03	1.91E-03	3.21E-04	3.21E-04	1.40E-04	1.40E-04
646	441872	3769464	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
647	441864.4	3769470	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.10E-04	3.10E-04	1.36E-04	1.36E-04
648	441856.9	3769476	1.62E-03	1.62E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.34E-04	1.34E-04
649	441849.3	3769482	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.00E-04	3.00E-04	1.31E-04	1.31E-04
650	441841.8	3769488	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
651	442322.7	3768746	5.18E-03	5.18E-03	5.84E-03	5.84E-03	9.80E-04	9.80E-04	4.29E-04	4.29E-04
652	442359.8	3768756	4.92E-03	4.92E-03	5.54E-03	5.54E-03	9.30E-04	9.30E-04	4.07E-04	4.07E-04
653	442356.9	3768765	5.03E-03	5.03E-03	5.67E-03	5.67E-03	9.51E-04	9.51E-04	4.16E-04	4.16E-04
654	442354	3768774	5.15E-03	5.15E-03	5.80E-03	5.80E-03	9.73E-04	9.73E-04	4.26E-04	4.26E-04

655	442351.1	3768783	5.26E-03	5.26E-03	5.93E-03	5.93E-03	9.95E-04	9.95E-04	4.35E-04	4.35E-04
656	442348.2	3768793	5.38E-03	5.38E-03	6.06E-03	6.06E-03	1.02E-03	1.02E-03	4.44E-04	4.44E-04
657	442345.3	3768802	5.49E-03	5.49E-03	6.18E-03	6.18E-03	1.04E-03	1.04E-03	4.54E-04	4.54E-04
658	442342.5	3768811	5.59E-03	5.59E-03	6.30E-03	6.30E-03	1.06E-03	1.06E-03	4.62E-04	4.62E-04
659	442339.6	3768820	5.69E-03	5.69E-03	6.41E-03	6.41E-03	1.08E-03	1.08E-03	4.70E-04	4.70E-04
660	442336.7	3768829	5.78E-03	5.78E-03	6.52E-03	6.52E-03	1.09E-03	1.09E-03	4.78E-04	4.78E-04
661	442333.8	3768838	5.87E-03	5.87E-03	6.62E-03	6.62E-03	1.11E-03	1.11E-03	4.85E-04	4.85E-04
662	442330.9	3768848	5.96E-03	5.96E-03	6.71E-03	6.71E-03	1.13E-03	1.13E-03	4.92E-04	4.92E-04
663	442328	3768857	6.04E-03	6.04E-03	6.80E-03	6.80E-03	1.14E-03	1.14E-03	4.99E-04	4.99E-04
664	442325.1	3768866	6.11E-03	6.11E-03	6.89E-03	6.89E-03	1.16E-03	1.16E-03	5.05E-04	5.05E-04
665	442322.3	3768875	6.19E-03	6.19E-03	6.98E-03	6.98E-03	1.17E-03	1.17E-03	5.12E-04	5.12E-04
666	442319.4	3768884	6.26E-03	6.26E-03	7.06E-03	7.06E-03	1.18E-03	1.18E-03	5.18E-04	5.18E-04
667	442316.5	3768893	6.32E-03	6.32E-03	7.12E-03	7.12E-03	1.19E-03	1.19E-03	5.22E-04	5.22E-04
668	442313.6	3768902	6.37E-03	6.37E-03	7.18E-03	7.18E-03	1.20E-03	1.20E-03	5.27E-04	5.27E-04
669	442310.7	3768912	6.42E-03	6.42E-03	7.24E-03	7.24E-03	1.21E-03	1.21E-03	5.31E-04	5.31E-04
670	442307.8	3768921	6.46E-03	6.46E-03	7.28E-03	7.28E-03	1.22E-03	1.22E-03	5.34E-04	5.34E-04
671	442304.9	3768930	6.49E-03	6.49E-03	7.32E-03	7.32E-03	1.23E-03	1.23E-03	5.37E-04	5.37E-04
672	442302.1	3768939	6.52E-03	6.52E-03	7.35E-03	7.35E-03	1.23E-03	1.23E-03	5.39E-04	5.39E-04
673	442299.2	3768948	6.53E-03	6.53E-03	7.36E-03	7.36E-03	1.23E-03	1.23E-03	5.40E-04	5.40E-04
674	442296.3	3768957	6.54E-03	6.54E-03	7.37E-03	7.37E-03	1.24E-03	1.24E-03	5.41E-04	5.41E-04
675	442293.4	3768967	6.54E-03	6.54E-03	7.37E-03	7.37E-03	1.24E-03	1.24E-03	5.40E-04	5.40E-04
676	442290.5	3768976	6.53E-03	6.53E-03	7.36E-03	7.36E-03	1.23E-03	1.23E-03	5.40E-04	5.40E-04
677	442287.6	3768985	6.51E-03	6.51E-03	7.34E-03	7.34E-03	1.23E-03	1.23E-03	5.38E-04	5.38E-04
678	442284.8	3768994	6.49E-03	6.49E-03	7.31E-03	7.31E-03	1.23E-03	1.23E-03	5.36E-04	5.36E-04
679	442281.9	3769003	6.46E-03	6.46E-03	7.28E-03	7.28E-03	1.22E-03	1.22E-03	5.34E-04	5.34E-04
680	442267.4	3769049	6.20E-03	6.20E-03	6.99E-03	6.99E-03	1.17E-03	1.17E-03	5.13E-04	5.13E-04
681	442264.6	3769058	6.13E-03	6.13E-03	6.91E-03	6.91E-03	1.16E-03	1.16E-03	5.07E-04	5.07E-04
682	442261.7	3769067	6.06E-03	6.06E-03	6.83E-03	6.83E-03	1.15E-03	1.15E-03	5.01E-04	5.01E-04
683	442258.8	3769076	5.98E-03	5.98E-03	6.74E-03	6.74E-03	1.13E-03	1.13E-03	4.95E-04	4.95E-04
684	442255.9	3769086	5.90E-03	5.90E-03	6.65E-03	6.65E-03	1.11E-03	1.11E-03	4.88E-04	4.88E-04
685	442253	3769095	5.81E-03	5.81E-03	6.54E-03	6.54E-03	1.10E-03	1.10E-03	4.80E-04	4.80E-04
686	442250.1	3769104	5.71E-03	5.71E-03	6.43E-03	6.43E-03	1.08E-03	1.08E-03	4.72E-04	4.72E-04
687	442247.3	3769113	5.61E-03	5.61E-03	6.32E-03	6.32E-03	1.06E-03	1.06E-03	4.63E-04	4.63E-04
688	442244.4	3769122	5.50E-03	5.50E-03	6.20E-03	6.20E-03	1.04E-03	1.04E-03	4.55E-04	4.55E-04
689	442241.5	3769131	5.39E-03	5.39E-03	6.08E-03	6.08E-03	1.02E-03	1.02E-03	4.46E-04	4.46E-04
690	442238.6	3769141	5.28E-03	5.28E-03	5.95E-03	5.95E-03	9.98E-04	9.98E-04	4.37E-04	4.37E-04
691	442235.7	3769150	5.17E-03	5.17E-03	5.83E-03	5.83E-03	9.77E-04	9.77E-04	4.27E-04	4.27E-04
692	442232.8	3769159	5.06E-03	5.06E-03	5.70E-03	5.70E-03	9.56E-04	9.56E-04	4.18E-04	4.18E-04
693	442229.9	3769168	4.94E-03	4.94E-03	5.57E-03	5.57E-03	9.34E-04	9.34E-04	4.08E-04	4.08E-04
694	442227.1	3769177	4.82E-03	4.82E-03	5.44E-03	5.44E-03	9.12E-04	9.12E-04	3.99E-04	3.99E-04
695	442224.2	3769186	4.71E-03	4.71E-03	5.31E-03	5.31E-03	8.90E-04	8.90E-04	3.89E-04	3.89E-04
696	442221.3	3769196	4.59E-03	4.59E-03	5.18E-03	5.18E-03	8.68E-04	8.68E-04	3.80E-04	3.80E-04
697	442218.4	3769205	4.47E-03	4.47E-03	5.04E-03	5.04E-03	8.46E-04	8.46E-04	3.70E-04	3.70E-04
698	442209.7	3769232	4.12E-03	4.12E-03	4.64E-03	4.64E-03	7.79E-04	7.79E-04	3.41E-04	3.41E-04
699	442199.4	3769247	3.93E-03	3.93E-03	4.43E-03	4.43E-03	7.43E-04	7.43E-04	3.25E-04	3.25E-04
700	442191.9	3769253	3.85E-03	3.85E-03	4.34E-03	4.34E-03	7.29E-04	7.29E-04	3.19E-04	3.19E-04
701	442184.5	3769259	3.78E-03	3.78E-03	4.26E-03	4.26E-03	7.14E-04	7.14E-04	3.12E-04	3.12E-04
702	442177	3769265	3.70E-03	3.70E-03	4.17E-03	4.17E-03	7.00E-04	7.00E-04	3.06E-04	3.06E-04
703	442169.6	3769272	3.63E-03	3.63E-03	4.09E-03	4.09E-03	6.85E-04	6.85E-04	3.00E-04	3.00E-04
704	442162.1	3769278	3.55E-03	3.55E-03	4.00E-03	4.00E-03	6.71E-04	6.71E-04	2.93E-04	2.93E-04
705	442154.7	3769284	3.47E-03	3.47E-03	3.91E-03	3.91E-03	6.56E-04	6.56E-04	2.87E-04	2.87E-04
706	442147.2	3769290	3.40E-03	3.40E-03	3.83E-03	3.83E-03	6.42E-04	6.42E-04	2.81E-04	2.81E-04
707	442139.7	3769296	3.32E-03	3.32E-03	3.74E-03	3.74E-03	6.27E-04	6.27E-04	2.74E-04	2.74E-04
708	442132.3	3769302	3.24E-03	3.24E-03	3.66E-03	3.66E-03	6.13E-04	6.13E-04	2.68E-04	2.68E-04
709	442124.8	3769308	3.17E-03	3.17E-03	3.57E-03	3.57E-03	5.99E-04	5.99E-04	2.62E-04	2.62E-04
710	442117.4	3769314	3.09E-03	3.09E-03	3.49E-03	3.49E-03	5.85E-04	5.85E-04	2.56E-04	2.56E-04
711	442109.9	3769320	3.02E-03	3.02E-03	3.40E-03	3.40E-03	5.71E-04	5.71E-04	2.50E-04	2.50E-04
712	442102.5	3769326	2.95E-03	2.95E-03	3.32E-03	3.32E-03	5.57E-04	5.57E-04	2.44E-04	2.44E-04
713	442095	3769332	2.88E-03	2.88E-03	3.25E-03	3.25E-03	5.44E-04	5.44E-04	2.38E-04	2.38E-04
714	442087.5	3769338	2.81E-03	2.81E-03	3.17E-03	3.17E-03	5.32E-04	5.32E-04	2.33E-04	2.33E-04
715	442080.1	3769344	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.19E-04	5.19E-04	2.27E-04	2.27E-04
716	442072.6	3769350	2.68E-03	2.68E-03	3.02E-03	3.02E-03	5.07E-04	5.07E-04	2.22E-04	2.22E-04
717	442065.2	3769356	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.16E-04	2.16E-04
718	442027.9	3769386	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.21E-04	4.21E-04	1.84E-04	1.84E-04
719	442020.4	3769392	2.17E-03	2.17E-03	2.44E-03	2.44E-03	4.10E-04	4.10E-04	1.79E-04	1.79E-04
720	442013	3769399	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.00E-04	4.00E-04	1.75E-04	1.75E-04
721	441983.1	3769423	2.03E-03	2.03E-03	2.28E-03	2.28E-03	3.83E-04	3.83E-04	1.68E-04	1.68E-04
722	441975.7	3769429	1.99E-03	1.99E-03	2.24E-03	2.24E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04
723	441968.2	3769435	1.95E-03	1.95E-03	2.19E-03	2.19E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
724	441960.8	3769441	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
725	441953.3	3769447	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.53E-04	3.53E-04	1.55E-04	1.55E-04
726	441945.8	3769453	1.83E-03	1.83E-03	2.07E-03	2.07E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
727	441938.4	3769459	1.80E-03	1.80E-03	2.02E-03	2.02E-03	3.40E-04	3.40E-04	1.49E-04	1.49E-04

728	441930.9	3769465	1.76E-03	1.76E-03	1.99E-03	1.99E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
729	441923.5	3769471	1.73E-03	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
730	441916	3769477	1.70E-03	1.70E-03	1.91E-03	1.91E-03	3.21E-04	3.21E-04	1.40E-04	1.40E-04
731	441908.6	3769483	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
732	441901.1	3769489	1.64E-03	1.64E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
733	441893.6	3769495	1.61E-03	1.61E-03	1.81E-03	1.81E-03	3.03E-04	3.03E-04	1.33E-04	1.33E-04
734	441886.2	3769501	1.55E-03	1.55E-03	1.74E-03	1.74E-03	2.92E-04	2.92E-04	1.28E-04	1.28E-04
735	441878.7	3769507	1.52E-03	1.52E-03	1.71E-03	1.71E-03	2.87E-04	2.87E-04	1.26E-04	1.26E-04
736	441871.3	3769513	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
737	441863.8	3769519	1.47E-03	1.47E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
738	441856.4	3769525	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.72E-04	2.72E-04	1.19E-04	1.19E-04
739	441848.9	3769532	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
740	441841.4	3769538	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
741	442362.6	3768747	4.80E-03	4.80E-03	5.41E-03	5.41E-03	9.08E-04	9.08E-04	3.97E-04	3.97E-04
742	441531.1	3768702	9.15E-02	9.15E-02	1.03E-01	1.03E-01	1.73E-02	1.73E-02	7.57E-03	7.57E-03
743	441815.7	3769038	9.05E-03	9.05E-03	1.02E-02	1.02E-02	1.71E-03	1.71E-03	7.49E-04	7.49E-04
744	441841.8	3769068	7.78E-03	7.78E-03	8.77E-03	8.77E-03	1.47E-03	1.47E-03	6.44E-04	6.44E-04
745	441867.8	3769098	6.77E-03	6.77E-03	7.63E-03	7.63E-03	1.28E-03	1.28E-03	5.60E-04	5.60E-04
746	441893.9	3769129	5.90E-03	5.90E-03	6.65E-03	6.65E-03	1.12E-03	1.12E-03	4.88E-04	4.88E-04
747	441919.9	3769159	5.20E-03	5.20E-03	5.86E-03	5.86E-03	9.82E-04	9.82E-04	4.30E-04	4.30E-04
748	441946	3769189	4.61E-03	4.61E-03	5.19E-03	5.19E-03	8.71E-04	8.71E-04	3.81E-04	3.81E-04
749	441494.4	3768647	1.30E-01	1.30E-01	1.46E-01	1.46E-01	2.45E-02	2.45E-02	1.07E-02	1.07E-02
750	441494	3768667	1.29E-01	1.29E-01	1.45E-01	1.45E-01	2.44E-02	2.44E-02	1.07E-02	1.07E-02
751	441493.6	3768687	1.30E-01	1.30E-01	1.47E-01	1.47E-01	2.46E-02	2.46E-02	1.08E-02	1.08E-02
752	441474.1	3768706	1.70E-01	1.70E-01	1.92E-01	1.92E-01	3.22E-02	3.22E-02	1.41E-02	1.41E-02
753	441493.2	3768707	1.32E-01	1.32E-01	1.48E-01	1.48E-01	2.49E-02	2.49E-02	1.09E-02	1.09E-02
754	441473.7	3768726	1.66E-01	1.66E-01	1.87E-01	1.87E-01	3.14E-02	3.14E-02	1.37E-02	1.37E-02
755	441492.9	3768727	1.29E-01	1.29E-01	1.46E-01	1.46E-01	2.44E-02	2.44E-02	1.07E-02	1.07E-02
756	441454.4	3769246	2.48E-03	2.48E-03	2.80E-03	2.80E-03	4.69E-04	4.69E-04	2.05E-04	2.05E-04
757	441463.9	3769246	2.51E-03	2.51E-03	2.83E-03	2.83E-03	4.74E-04	4.74E-04	2.07E-04	2.07E-04
758	441473.5	3769246	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.79E-04	4.79E-04	2.10E-04	2.10E-04
759	441483.1	3769247	2.56E-03	2.56E-03	2.89E-03	2.89E-03	4.84E-04	4.84E-04	2.12E-04	2.12E-04
760	441453.6	3769286	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.00E-04	4.00E-04	1.75E-04	1.75E-04
761	441463.2	3769286	2.14E-03	2.14E-03	2.41E-03	2.41E-03	4.04E-04	4.04E-04	1.77E-04	1.77E-04
762	441472.8	3769286	2.16E-03	2.16E-03	2.43E-03	2.43E-03	4.08E-04	4.08E-04	1.78E-04	1.78E-04
763	441482.3	3769287	2.18E-03	2.18E-03	2.46E-03	2.46E-03	4.12E-04	4.12E-04	1.80E-04	1.80E-04
764	441452.9	3769326	1.85E-03	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
765	441462.4	3769326	1.87E-03	1.87E-03	2.10E-03	2.10E-03	3.53E-04	3.53E-04	1.54E-04	1.54E-04
766	441472	3769326	1.88E-03	1.88E-03	2.12E-03	2.12E-03	3.55E-04	3.55E-04	1.55E-04	1.55E-04
767	441481.6	3769327	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.58E-04	3.58E-04	1.57E-04	1.57E-04
768	441451.4	3769406	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
769	441460.9	3769406	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
770	441470.5	3769406	1.52E-03	1.52E-03	1.71E-03	1.71E-03	2.87E-04	2.87E-04	1.26E-04	1.26E-04
771	441480.1	3769407	1.53E-03	1.53E-03	1.73E-03	1.73E-03	2.90E-04	2.90E-04	1.27E-04	1.27E-04
772	441450.6	3769446	1.35E-03	1.35E-03	1.53E-03	1.53E-03	2.56E-04	2.56E-04	1.12E-04	1.12E-04
773	441460.2	3769446	1.36E-03	1.36E-03	1.54E-03	1.54E-03	2.58E-04	2.58E-04	1.13E-04	1.13E-04
774	441469.8	3769446	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.60E-04	2.60E-04	1.14E-04	1.14E-04
775	441479.3	3769447	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
776	441449.9	3769486	1.22E-03	1.22E-03	1.38E-03	1.38E-03	2.31E-04	2.31E-04	1.01E-04	1.01E-04
777	441459.4	3769486	1.23E-03	1.23E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
778	441469	3769486	1.25E-03	1.25E-03	1.40E-03	1.40E-03	2.35E-04	2.35E-04	1.03E-04	1.03E-04
779	441478.6	3769487	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.37E-04	2.37E-04	1.04E-04	1.04E-04
780	441449.1	3769526	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.09E-04	2.09E-04	9.13E-05	9.13E-05
781	441458.7	3769526	1.11E-03	1.11E-03	1.26E-03	1.26E-03	2.11E-04	2.11E-04	9.21E-05	9.21E-05
782	441468.3	3769526	1.12E-03	1.12E-03	1.27E-03	1.27E-03	2.12E-04	2.12E-04	9.29E-05	9.29E-05
783	441477.8	3769527	1.13E-03	1.13E-03	1.28E-03	1.28E-03	2.14E-04	2.14E-04	9.38E-05	9.38E-05
784	441514.7	3768627	1.17E-01	1.17E-01	1.32E-01	1.32E-01	2.21E-02	2.21E-02	9.67E-03	9.67E-03
785	441514.7	3768617	1.18E-01	1.18E-01	1.33E-01	1.33E-01	2.23E-02	2.23E-02	9.73E-03	9.73E-03
786	441514.6	3768607	1.15E-01	1.15E-01	1.30E-01	1.30E-01	2.17E-02	2.17E-02	9.51E-03	9.51E-03
787	441514.5	3768597	1.10E-01	1.10E-01	1.23E-01	1.23E-01	2.07E-02	2.07E-02	9.05E-03	9.05E-03
788	441514.4	3768587	1.02E-01	1.02E-01	1.15E-01	1.15E-01	1.92E-02	1.92E-02	8.41E-03	8.41E-03
789	441514.3	3768577	9.34E-02	9.34E-02	1.05E-01	1.05E-01	1.76E-02	1.76E-02	7.72E-03	7.72E-03
790	441514.2	3768567	8.37E-02	8.37E-02	9.43E-02	9.43E-02	1.58E-02	1.58E-02	6.92E-03	6.92E-03
791	441514.1	3768558	7.19E-02	7.19E-02	8.10E-02	8.10E-02	1.36E-02	1.36E-02	5.95E-03	5.95E-03
792	441514	3768548	5.75E-02	5.75E-02	6.48E-02	6.48E-02	1.09E-02	1.09E-02	4.76E-03	4.76E-03
793	441531.8	3768634	9.24E-02	9.24E-02	1.04E-01	1.04E-01	1.75E-02	1.75E-02	7.64E-03	7.64E-03
794	441534.7	3768617	8.76E-02	8.76E-02	9.87E-02	9.87E-02	1.66E-02	1.66E-02	7.24E-03	7.24E-03
795	441534.6	3768607	8.43E-02	8.43E-02	9.50E-02	9.50E-02	1.59E-02	1.59E-02	6.97E-03	6.97E-03
796	441534.5	3768597	7.93E-02	7.93E-02	8.94E-02	8.94E-02	1.50E-02	1.50E-02	6.56E-03	6.56E-03
797	441534.4	3768587	7.26E-02	7.26E-02	8.18E-02	8.18E-02	1.37E-02	1.37E-02	6.00E-03	6.00E-03
798	441534.3	3768577	6.53E-02	6.53E-02	7.36E-02	7.36E-02	1.23E-02	1.23E-02	5.40E-03	5.40E-03
799	441534.2	3768567	5.76E-02	5.76E-02	6.49E-02	6.49E-02	1.09E-02	1.09E-02	4.76E-03	4.76E-03
800	441534.1	3768557	4.96E-02	4.96E-02	5.59E-02	5.59E-02	9.37E-03	9.37E-03	4.10E-03	4.10E-03

801	441534	3768548	4.13E-02	4.13E-02	4.65E-02	4.65E-02	7.80E-03	7.80E-03	3.41E-03	3.41E-03
802	441554.7	3768626	6.97E-02	6.97E-02	7.86E-02	7.86E-02	1.32E-02	1.32E-02	5.76E-03	5.76E-03
803	441554.7	3768616	6.73E-02	6.73E-02	7.59E-02	7.59E-02	1.27E-02	1.27E-02	5.57E-03	5.57E-03
804	441554.6	3768606	6.41E-02	6.41E-02	7.23E-02	7.23E-02	1.21E-02	1.21E-02	5.30E-03	5.30E-03
805	441554.5	3768597	5.99E-02	5.99E-02	6.76E-02	6.76E-02	1.13E-02	1.13E-02	4.96E-03	4.96E-03
806	441554.4	3768587	5.50E-02	5.50E-02	6.20E-02	6.20E-02	1.04E-02	1.04E-02	4.54E-03	4.54E-03
807	441554.3	3768577	4.95E-02	4.95E-02	5.58E-02	5.58E-02	9.35E-03	9.35E-03	4.09E-03	4.09E-03
808	441554.2	3768567	4.38E-02	4.38E-02	4.93E-02	4.93E-02	8.27E-03	8.27E-03	3.62E-03	3.62E-03
809	441554.1	3768557	3.82E-02	3.82E-02	4.30E-02	4.30E-02	7.21E-03	7.21E-03	3.15E-03	3.15E-03
810	441554	3768547	3.27E-02	3.27E-02	3.69E-02	3.69E-02	6.19E-03	6.19E-03	2.71E-03	2.71E-03
811	441554.4	3768675	7.28E-02	7.28E-02	8.21E-02	8.21E-02	1.38E-02	1.38E-02	6.02E-03	6.02E-03
812	441534.5	3768690	8.83E-02	8.83E-02	9.95E-02	9.95E-02	1.67E-02	1.67E-02	7.30E-03	7.30E-03
813	441574.7	3768626	5.62E-02	5.62E-02	6.33E-02	6.33E-02	1.06E-02	1.06E-02	4.65E-03	4.65E-03
814	441574.7	3768616	5.38E-02	5.38E-02	6.06E-02	6.06E-02	1.02E-02	1.02E-02	4.45E-03	4.45E-03
815	441574.6	3768606	5.09E-02	5.09E-02	5.73E-02	5.73E-02	9.61E-03	9.61E-03	4.20E-03	4.20E-03
816	441574.5	3768596	4.75E-02	4.75E-02	5.35E-02	5.35E-02	8.98E-03	8.98E-03	3.93E-03	3.93E-03
817	441574.4	3768587	4.38E-02	4.38E-02	4.94E-02	4.94E-02	8.28E-03	8.28E-03	3.62E-03	3.62E-03
818	441574.3	3768577	3.98E-02	3.98E-02	4.49E-02	4.49E-02	7.52E-03	7.52E-03	3.29E-03	3.29E-03
819	441574.2	3768567	3.56E-02	3.56E-02	4.01E-02	4.01E-02	6.73E-03	6.73E-03	2.94E-03	2.94E-03
820	441574.1	3768557	3.14E-02	3.14E-02	3.54E-02	3.54E-02	5.94E-03	5.94E-03	2.60E-03	2.60E-03
821	441574	3768547	2.74E-02	2.74E-02	3.09E-02	3.09E-02	5.19E-03	5.19E-03	2.27E-03	2.27E-03
822	441572.5	3768680	6.28E-02	6.28E-02	7.08E-02	7.08E-02	1.19E-02	1.19E-02	5.19E-03	5.19E-03
823	441594.7	3768626	4.69E-02	4.69E-02	5.29E-02	5.29E-02	8.87E-03	8.87E-03	3.88E-03	3.88E-03
824	441594.6	3768616	4.50E-02	4.50E-02	5.07E-02	5.07E-02	8.50E-03	8.50E-03	3.72E-03	3.72E-03
825	441594.6	3768606	4.26E-02	4.26E-02	4.80E-02	4.80E-02	8.06E-03	8.06E-03	3.52E-03	3.52E-03
826	441594.5	3768596	3.99E-02	3.99E-02	4.49E-02	4.49E-02	7.54E-03	7.54E-03	3.30E-03	3.30E-03
827	441594.4	3768586	3.67E-02	3.67E-02	4.14E-02	4.14E-02	6.95E-03	6.95E-03	3.04E-03	3.04E-03
828	441594.3	3768577	3.35E-02	3.35E-02	3.77E-02	3.77E-02	6.32E-03	6.32E-03	2.77E-03	2.77E-03
829	441594.2	3768567	3.01E-02	3.01E-02	3.39E-02	3.39E-02	5.68E-03	5.68E-03	2.49E-03	2.49E-03
830	441594.1	3768557	2.67E-02	2.67E-02	3.01E-02	3.01E-02	5.05E-03	5.05E-03	2.21E-03	2.21E-03
831	441594	3768547	2.36E-02	2.36E-02	2.66E-02	2.66E-02	4.45E-03	4.45E-03	1.95E-03	1.95E-03
832	441593.4	3768677	5.41E-02	5.41E-02	6.09E-02	6.09E-02	1.02E-02	1.02E-02	4.47E-03	4.47E-03
833	441614.7	3768626	4.01E-02	4.01E-02	4.52E-02	4.52E-02	7.58E-03	7.58E-03	3.31E-03	3.31E-03
834	441614.6	3768616	3.83E-02	3.83E-02	4.31E-02	4.31E-02	7.23E-03	7.23E-03	3.16E-03	3.16E-03
835	441614.6	3768606	3.62E-02	3.62E-02	4.08E-02	4.08E-02	6.85E-03	6.85E-03	2.99E-03	2.99E-03
836	441614.5	3768596	3.39E-02	3.39E-02	3.82E-02	3.82E-02	6.40E-03	6.40E-03	2.80E-03	2.80E-03
837	441614.4	3768586	3.12E-02	3.12E-02	3.52E-02	3.52E-02	5.91E-03	5.91E-03	2.58E-03	2.58E-03
838	441614.3	3768576	2.85E-02	2.85E-02	3.22E-02	3.22E-02	5.40E-03	5.40E-03	2.36E-03	2.36E-03
839	441614.2	3768567	2.58E-02	2.58E-02	2.91E-02	2.91E-02	4.88E-03	4.88E-03	2.13E-03	2.13E-03
840	441614.1	3768557	2.31E-02	2.31E-02	2.60E-02	2.60E-02	4.37E-03	4.37E-03	1.91E-03	1.91E-03
841	441614	3768547	2.06E-02	2.06E-02	2.32E-02	2.32E-02	3.89E-03	3.89E-03	1.70E-03	1.70E-03
842	441614	3768676	4.79E-02	4.79E-02	5.40E-02	5.40E-02	9.05E-03	9.05E-03	3.96E-03	3.96E-03
843	441634.7	3768625	3.49E-02	3.49E-02	3.93E-02	3.93E-02	6.60E-03	6.60E-03	2.88E-03	2.88E-03
844	441634.6	3768616	3.32E-02	3.32E-02	3.74E-02	3.74E-02	6.27E-03	6.27E-03	2.74E-03	2.74E-03
845	441634.6	3768606	3.13E-02	3.13E-02	3.52E-02	3.52E-02	5.91E-03	5.91E-03	2.58E-03	2.58E-03
846	441634.5	3768596	2.92E-02	2.92E-02	3.29E-02	3.29E-02	5.51E-03	5.51E-03	2.41E-03	2.41E-03
847	441634.4	3768586	2.70E-02	2.70E-02	3.04E-02	3.04E-02	5.10E-03	5.10E-03	2.23E-03	2.23E-03
848	441634.3	3768576	2.47E-02	2.47E-02	2.79E-02	2.79E-02	4.68E-03	4.68E-03	2.04E-03	2.04E-03
849	441634.2	3768566	2.25E-02	2.25E-02	2.54E-02	2.54E-02	4.25E-03	4.25E-03	1.86E-03	1.86E-03
850	441634.1	3768557	2.03E-02	2.03E-02	2.29E-02	2.29E-02	3.84E-03	3.84E-03	1.68E-03	1.68E-03
851	441634	3768547	1.83E-02	1.83E-02	2.06E-02	2.06E-02	3.45E-03	3.45E-03	1.51E-03	1.51E-03
852	441654.7	3768625	3.11E-02	3.11E-02	3.50E-02	3.50E-02	5.87E-03	5.87E-03	2.57E-03	2.57E-03
853	441654.6	3768615	2.93E-02	2.93E-02	3.30E-02	3.30E-02	5.53E-03	5.53E-03	2.42E-03	2.42E-03
854	441654.6	3768606	2.74E-02	2.74E-02	3.09E-02	3.09E-02	5.18E-03	5.18E-03	2.27E-03	2.27E-03
855	441654.5	3768596	2.55E-02	2.55E-02	2.87E-02	2.87E-02	4.82E-03	4.82E-03	2.11E-03	2.11E-03
856	441654.4	3768586	2.36E-02	2.36E-02	2.66E-02	2.66E-02	4.47E-03	4.47E-03	1.95E-03	1.95E-03
857	441654.3	3768576	2.17E-02	2.17E-02	2.45E-02	2.45E-02	4.11E-03	4.11E-03	1.80E-03	1.80E-03
858	441654.2	3768566	1.99E-02	1.99E-02	2.24E-02	2.24E-02	3.76E-03	3.76E-03	1.64E-03	1.64E-03
859	441654.1	3768556	1.81E-02	1.81E-02	2.04E-02	2.04E-02	3.41E-03	3.41E-03	1.49E-03	1.49E-03
860	441654	3768546	1.64E-02	1.64E-02	1.85E-02	1.85E-02	3.10E-03	3.10E-03	1.35E-03	1.35E-03
861	441694.7	3768625	2.46E-02	2.46E-02	2.77E-02	2.77E-02	4.65E-03	4.65E-03	2.03E-03	2.03E-03
862	441694.6	3768615	2.32E-02	2.32E-02	2.62E-02	2.62E-02	4.39E-03	4.39E-03	1.92E-03	1.92E-03
863	441694.6	3768605	2.18E-02	2.18E-02	2.46E-02	2.46E-02	4.12E-03	4.12E-03	1.80E-03	1.80E-03
864	441694.5	3768595	2.03E-02	2.03E-02	2.29E-02	2.29E-02	3.85E-03	3.85E-03	1.68E-03	1.68E-03
865	441694.4	3768586	1.89E-02	1.89E-02	2.13E-02	2.13E-02	3.57E-03	3.57E-03	1.56E-03	1.56E-03
866	441694.3	3768576	1.74E-02	1.74E-02	1.96E-02	1.96E-02	3.29E-03	3.29E-03	1.44E-03	1.44E-03
867	441694.2	3768566	1.61E-02	1.61E-02	1.81E-02	1.81E-02	3.04E-03	3.04E-03	1.33E-03	1.33E-03
868	441694.1	3768556	1.48E-02	1.48E-02	1.67E-02	1.67E-02	2.80E-03	2.80E-03	1.23E-03	1.23E-03
869	441694	3768546	1.37E-02	1.37E-02	1.54E-02	1.54E-02	2.58E-03	2.58E-03	1.13E-03	1.13E-03
870	441693.9	3768536	1.26E-02	1.26E-02	1.42E-02	1.42E-02	2.38E-03	2.38E-03	1.04E-03	1.04E-03
871	441714.7	3768625	2.22E-02	2.22E-02	2.50E-02	2.50E-02	4.19E-03	4.19E-03	1.83E-03	1.83E-03
872	441714.6	3768615	2.09E-02	2.09E-02	2.35E-02	2.35E-02	3.95E-03	3.95E-03	1.73E-03	1.73E-03
873	441714.6	3768605	1.96E-02	1.96E-02	2.21E-02	2.21E-02	3.71E-03	3.71E-03	1.62E-03	1.62E-03

874	441714.5	3768595	1.83E-02	1.83E-02	2.06E-02	2.06E-02	3.46E-03	3.46E-03	1.51E-03	1.51E-03
875	441714.4	3768585	1.70E-02	1.70E-02	1.92E-02	1.92E-02	3.22E-03	3.22E-03	1.41E-03	1.41E-03
876	441714.3	3768575	1.58E-02	1.58E-02	1.78E-02	1.78E-02	2.98E-03	2.98E-03	1.30E-03	1.30E-03
877	441714.2	3768566	1.46E-02	1.46E-02	1.65E-02	1.65E-02	2.76E-03	2.76E-03	1.21E-03	1.21E-03
878	441714.1	3768556	1.35E-02	1.35E-02	1.53E-02	1.53E-02	2.56E-03	2.56E-03	1.12E-03	1.12E-03
879	441714	3768546	1.25E-02	1.25E-02	1.41E-02	1.41E-02	2.37E-03	2.37E-03	1.04E-03	1.04E-03
880	441713.9	3768536	1.16E-02	1.16E-02	1.31E-02	1.31E-02	2.19E-03	2.19E-03	9.58E-04	9.58E-04
881	441734.7	3768625	1.99E-02	1.99E-02	2.25E-02	2.25E-02	3.77E-03	3.77E-03	1.65E-03	1.65E-03
882	441734.6	3768615	1.88E-02	1.88E-02	2.12E-02	2.12E-02	3.55E-03	3.55E-03	1.55E-03	1.55E-03
883	441734.6	3768605	1.77E-02	1.77E-02	1.99E-02	1.99E-02	3.34E-03	3.34E-03	1.46E-03	1.46E-03
884	441734.5	3768595	1.65E-02	1.65E-02	1.86E-02	1.86E-02	3.12E-03	3.12E-03	1.37E-03	1.37E-03
885	441734.4	3768585	1.54E-02	1.54E-02	1.74E-02	1.74E-02	2.92E-03	2.92E-03	1.28E-03	1.28E-03
886	441734.3	3768575	1.44E-02	1.44E-02	1.62E-02	1.62E-02	2.72E-03	2.72E-03	1.19E-03	1.19E-03
887	441734.2	3768565	1.34E-02	1.34E-02	1.51E-02	1.51E-02	2.53E-03	2.53E-03	1.11E-03	1.11E-03
888	441734.1	3768556	1.24E-02	1.24E-02	1.40E-02	1.40E-02	2.35E-03	2.35E-03	1.03E-03	1.03E-03
889	441734	3768546	1.15E-02	1.15E-02	1.30E-02	1.30E-02	2.18E-03	2.18E-03	9.54E-04	9.54E-04
890	441733.9	3768536	1.07E-02	1.07E-02	1.21E-02	1.21E-02	2.03E-03	2.03E-03	8.87E-04	8.87E-04
891	441754.6	3768614	1.70E-02	1.70E-02	1.92E-02	1.92E-02	3.22E-03	3.22E-03	1.41E-03	1.41E-03
892	441754.6	3768605	1.60E-02	1.60E-02	1.80E-02	1.80E-02	3.02E-03	3.02E-03	1.32E-03	1.32E-03
893	441754.5	3768595	1.50E-02	1.50E-02	1.69E-02	1.69E-02	2.84E-03	2.84E-03	1.24E-03	1.24E-03
894	441754.4	3768585	1.41E-02	1.41E-02	1.59E-02	1.59E-02	2.66E-03	2.66E-03	1.16E-03	1.16E-03
895	441754.3	3768575	1.32E-02	1.32E-02	1.48E-02	1.48E-02	2.49E-03	2.49E-03	1.09E-03	1.09E-03
896	441754.2	3768565	1.23E-02	1.23E-02	1.39E-02	1.39E-02	2.32E-03	2.32E-03	1.02E-03	1.02E-03
897	441754.1	3768555	1.15E-02	1.15E-02	1.29E-02	1.29E-02	2.17E-03	2.17E-03	9.48E-04	9.48E-04
898	441754	3768546	1.07E-02	1.07E-02	1.20E-02	1.20E-02	2.02E-03	2.02E-03	8.83E-04	8.83E-04
899	441753.9	3768536	9.96E-03	9.96E-03	1.12E-02	1.12E-02	1.88E-03	1.88E-03	8.23E-04	8.23E-04
900	441774.6	3768604	1.47E-02	1.47E-02	1.65E-02	1.65E-02	2.77E-03	2.77E-03	1.21E-03	1.21E-03
901	441774.5	3768595	1.38E-02	1.38E-02	1.55E-02	1.55E-02	2.60E-03	2.60E-03	1.14E-03	1.14E-03
902	441774.4	3768585	1.29E-02	1.29E-02	1.46E-02	1.46E-02	2.44E-03	2.44E-03	1.07E-03	1.07E-03
903	441774.3	3768575	1.21E-02	1.21E-02	1.36E-02	1.36E-02	2.28E-03	2.28E-03	9.99E-04	9.99E-04
904	441774.2	3768565	1.13E-02	1.13E-02	1.27E-02	1.27E-02	2.14E-03	2.14E-03	9.34E-04	9.34E-04
905	441774.1	3768555	1.06E-02	1.06E-02	1.19E-02	1.19E-02	2.00E-03	2.00E-03	8.74E-04	8.74E-04
906	441774	3768545	9.89E-03	9.89E-03	1.11E-02	1.11E-02	1.87E-03	1.87E-03	8.17E-04	8.17E-04
907	441773.9	3768536	9.24E-03	9.24E-03	1.04E-02	1.04E-02	1.75E-03	1.75E-03	7.64E-04	7.64E-04
908	441794.5	3768594	1.27E-02	1.27E-02	1.43E-02	1.43E-02	2.40E-03	2.40E-03	1.05E-03	1.05E-03
909	441794.4	3768585	1.19E-02	1.19E-02	1.34E-02	1.34E-02	2.25E-03	2.25E-03	9.86E-04	9.86E-04
910	441794.3	3768575	1.12E-02	1.12E-02	1.26E-02	1.26E-02	2.11E-03	2.11E-03	9.24E-04	9.24E-04
911	441794.2	3768565	1.05E-02	1.05E-02	1.18E-02	1.18E-02	1.98E-03	1.98E-03	8.67E-04	8.67E-04
912	441794.1	3768555	9.83E-03	9.83E-03	1.11E-02	1.11E-02	1.86E-03	1.86E-03	8.13E-04	8.13E-04
913	441794	3768545	9.22E-03	9.22E-03	1.04E-02	1.04E-02	1.74E-03	1.74E-03	7.62E-04	7.62E-04
914	441793.9	3768535	8.65E-03	8.65E-03	9.75E-03	9.75E-03	1.63E-03	1.63E-03	7.15E-04	7.15E-04
915	441914.3	3768574	7.53E-03	7.53E-03	8.48E-03	8.48E-03	1.42E-03	1.42E-03	6.22E-04	6.22E-04
916	441914.2	3768564	7.16E-03	7.16E-03	8.07E-03	8.07E-03	1.35E-03	1.35E-03	5.92E-04	5.92E-04
917	441914.1	3768554	6.81E-03	6.81E-03	7.67E-03	7.67E-03	1.29E-03	1.29E-03	5.63E-04	5.63E-04
918	441914	3768544	6.47E-03	6.47E-03	7.29E-03	7.29E-03	1.22E-03	1.22E-03	5.35E-04	5.35E-04
919	441913.9	3768534	6.14E-03	6.14E-03	6.93E-03	6.93E-03	1.16E-03	1.16E-03	5.08E-04	5.08E-04
920	441954	3768544	5.81E-03	5.81E-03	6.55E-03	6.55E-03	1.10E-03	1.10E-03	4.80E-04	4.80E-04
921	441953.9	3768534	5.54E-03	5.54E-03	6.24E-03	6.24E-03	1.05E-03	1.05E-03	4.58E-04	4.58E-04
922	442031	3768631	7.12E-03	7.12E-03	8.02E-03	8.02E-03	1.35E-03	1.35E-03	5.88E-04	5.88E-04
923	442027.3	3768640	7.45E-03	7.45E-03	8.40E-03	8.40E-03	1.41E-03	1.41E-03	6.16E-04	6.16E-04
924	442023.6	3768649	7.80E-03	7.80E-03	8.79E-03	8.79E-03	1.47E-03	1.47E-03	6.45E-04	6.45E-04
925	442019.8	3768658	8.17E-03	8.17E-03	9.21E-03	9.21E-03	1.54E-03	1.54E-03	6.75E-04	6.75E-04
926	442016.1	3768667	8.55E-03	8.55E-03	9.63E-03	9.63E-03	1.62E-03	1.62E-03	7.07E-04	7.07E-04
927	442012.4	3768676	8.93E-03	8.93E-03	1.01E-02	1.01E-02	1.69E-03	1.69E-03	7.38E-04	7.38E-04
928	441856.6	3769018	9.90E-03	9.90E-03	1.12E-02	1.12E-02	1.87E-03	1.87E-03	8.18E-04	8.18E-04
929	441847.5	3769021	9.76E-03	9.76E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.07E-04	8.07E-04
930	441838.5	3769025	9.62E-03	9.62E-03	1.08E-02	1.08E-02	1.82E-03	1.82E-03	7.95E-04	7.95E-04
931	441829.4	3769029	9.47E-03	9.47E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.83E-04	7.83E-04
932	441802.2	3769039	8.98E-03	8.98E-03	1.01E-02	1.01E-02	1.70E-03	1.70E-03	7.42E-04	7.42E-04
933	442034.7	3768622	6.80E-03	6.80E-03	7.67E-03	7.67E-03	1.29E-03	1.29E-03	5.62E-04	5.62E-04
934	442034.6	3768612	6.53E-03	6.53E-03	7.36E-03	7.36E-03	1.23E-03	1.23E-03	5.40E-04	5.40E-04
935	442034.5	3768602	6.26E-03	6.26E-03	7.06E-03	7.06E-03	1.18E-03	1.18E-03	5.18E-04	5.18E-04
936	442034.4	3768592	6.01E-03	6.01E-03	6.77E-03	6.77E-03	1.14E-03	1.14E-03	4.97E-04	4.97E-04
937	442034.4	3768582	5.76E-03	5.76E-03	6.49E-03	6.49E-03	1.09E-03	1.09E-03	4.76E-04	4.76E-04
938	442034.3	3768573	5.52E-03	5.52E-03	6.22E-03	6.22E-03	1.04E-03	1.04E-03	4.56E-04	4.56E-04
939	442034.2	3768563	5.30E-03	5.30E-03	5.97E-03	5.97E-03	1.00E-03	1.00E-03	4.38E-04	4.38E-04
940	442071	3768630	6.50E-03	6.50E-03	7.33E-03	7.33E-03	1.23E-03	1.23E-03	5.38E-04	5.38E-04
941	442067.2	3768640	6.78E-03	6.78E-03	7.64E-03	7.64E-03	1.28E-03	1.28E-03	5.61E-04	5.61E-04
942	442063.5	3768649	7.07E-03	7.07E-03	7.97E-03	7.97E-03	1.34E-03	1.34E-03	5.85E-04	5.85E-04
943	442059.8	3768658	7.36E-03	7.36E-03	8.30E-03	8.30E-03	1.39E-03	1.39E-03	6.09E-04	6.09E-04
944	442056	3768667	7.67E-03	7.67E-03	8.64E-03	8.64E-03	1.45E-03	1.45E-03	6.34E-04	6.34E-04
945	442022.4	3768748	1.06E-02	1.06E-02	1.19E-02	1.19E-02	1.99E-03	1.99E-03	8.72E-04	8.72E-04
946	442018.7	3768757	1.08E-02	1.08E-02	1.22E-02	1.22E-02	2.05E-03	2.05E-03	8.96E-04	8.96E-04

947	442015	3768767	1.11E-02	1.11E-02	1.25E-02	1.25E-02	2.10E-03	2.10E-03	9.19E-04	9.19E-04
948	442011.2	3768776	1.14E-02	1.14E-02	1.28E-02	1.28E-02	2.15E-03	2.15E-03	9.40E-04	9.40E-04
949	441884.7	3769046	8.62E-03	8.62E-03	9.71E-03	9.71E-03	1.63E-03	1.63E-03	7.12E-04	7.12E-04
950	441875.6	3769050	8.49E-03	8.49E-03	9.57E-03	9.57E-03	1.61E-03	1.61E-03	7.02E-04	7.02E-04
951	441866.5	3769053	8.36E-03	8.36E-03	9.43E-03	9.43E-03	1.58E-03	1.58E-03	6.91E-04	6.91E-04
952	441857.4	3769057	8.22E-03	8.22E-03	9.27E-03	9.27E-03	1.55E-03	1.55E-03	6.80E-04	6.80E-04
953	441848.2	3769061	8.08E-03	8.08E-03	9.10E-03	9.10E-03	1.53E-03	1.53E-03	6.68E-04	6.68E-04
954	441830	3769068	7.77E-03	7.77E-03	8.76E-03	8.76E-03	1.47E-03	1.47E-03	6.43E-04	6.43E-04
955	442074.7	3768621	6.23E-03	6.23E-03	7.02E-03	7.02E-03	1.18E-03	1.18E-03	5.15E-04	5.15E-04
956	442074.6	3768612	5.99E-03	5.99E-03	6.76E-03	6.76E-03	1.13E-03	1.13E-03	4.96E-04	4.96E-04
957	442074.5	3768602	5.77E-03	5.77E-03	6.50E-03	6.50E-03	1.09E-03	1.09E-03	4.77E-04	4.77E-04
958	442074.4	3768592	5.53E-03	5.53E-03	6.23E-03	6.23E-03	1.05E-03	1.05E-03	4.57E-04	4.57E-04
959	442074.4	3768582	5.30E-03	5.30E-03	5.97E-03	5.97E-03	1.00E-03	1.00E-03	4.38E-04	4.38E-04
960	442074.3	3768572	5.08E-03	5.08E-03	5.72E-03	5.72E-03	9.60E-04	9.60E-04	4.20E-04	4.20E-04
961	442074.2	3768562	4.87E-03	4.87E-03	5.49E-03	5.49E-03	9.21E-04	9.21E-04	4.03E-04	4.03E-04
962	442074.1	3768552	4.68E-03	4.68E-03	5.27E-03	5.27E-03	8.84E-04	8.84E-04	3.87E-04	3.87E-04
963	442111	3768630	5.95E-03	5.95E-03	6.71E-03	6.71E-03	1.13E-03	1.13E-03	4.92E-04	4.92E-04
964	442107.4	3768639	6.19E-03	6.19E-03	6.98E-03	6.98E-03	1.17E-03	1.17E-03	5.12E-04	5.12E-04
965	442103.7	3768648	6.43E-03	6.43E-03	7.25E-03	7.25E-03	1.22E-03	1.22E-03	5.32E-04	5.32E-04
966	442100	3768657	6.68E-03	6.68E-03	7.53E-03	7.53E-03	1.26E-03	1.26E-03	5.53E-04	5.53E-04
967	442096.4	3768666	6.94E-03	6.94E-03	7.82E-03	7.82E-03	1.31E-03	1.31E-03	5.74E-04	5.74E-04
968	442092.7	3768675	7.19E-03	7.19E-03	8.11E-03	8.11E-03	1.36E-03	1.36E-03	5.95E-04	5.95E-04
969	442063.3	3768746	9.43E-03	9.43E-03	1.06E-02	1.06E-02	1.78E-03	1.78E-03	7.79E-04	7.79E-04
970	442059.6	3768755	9.70E-03	9.70E-03	1.09E-02	1.09E-02	1.83E-03	1.83E-03	8.02E-04	8.02E-04
971	442055.9	3768764	9.96E-03	9.96E-03	1.12E-02	1.12E-02	1.88E-03	1.88E-03	8.23E-04	8.23E-04
972	442052.3	3768773	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.93E-03	1.93E-03	8.44E-04	8.44E-04
973	442048.6	3768782	1.04E-02	1.04E-02	1.18E-02	1.18E-02	1.97E-03	1.97E-03	8.63E-04	8.63E-04
974	442044.9	3768791	1.07E-02	1.07E-02	1.20E-02	1.20E-02	2.02E-03	2.02E-03	8.81E-04	8.81E-04
975	442041.3	3768799	1.09E-02	1.09E-02	1.23E-02	1.23E-02	2.05E-03	2.05E-03	8.99E-04	8.99E-04
976	442037.6	3768808	1.11E-02	1.11E-02	1.25E-02	1.25E-02	2.09E-03	2.09E-03	9.15E-04	9.15E-04
977	442033.9	3768817	1.12E-02	1.12E-02	1.27E-02	1.27E-02	2.12E-03	2.12E-03	9.29E-04	9.29E-04
978	442030.2	3768826	1.14E-02	1.14E-02	1.28E-02	1.28E-02	2.15E-03	2.15E-03	9.41E-04	9.41E-04
979	442026.6	3768835	1.15E-02	1.15E-02	1.30E-02	1.30E-02	2.18E-03	2.18E-03	9.52E-04	9.52E-04
980	442022.9	3768844	1.16E-02	1.16E-02	1.31E-02	1.31E-02	2.19E-03	2.19E-03	9.60E-04	9.60E-04
981	442019.2	3768853	1.17E-02	1.17E-02	1.32E-02	1.32E-02	2.21E-03	2.21E-03	9.67E-04	9.67E-04
982	442015.5	3768862	1.18E-02	1.18E-02	1.33E-02	1.33E-02	2.22E-03	2.22E-03	9.72E-04	9.72E-04
983	442011.9	3768871	1.18E-02	1.18E-02	1.33E-02	1.33E-02	2.23E-03	2.23E-03	9.75E-04	9.75E-04
984	441934.7	3769058	8.03E-03	8.03E-03	9.05E-03	9.05E-03	1.52E-03	1.52E-03	6.64E-04	6.64E-04
985	441904.2	3769078	7.45E-03	7.45E-03	8.40E-03	8.40E-03	1.41E-03	1.41E-03	6.16E-04	6.16E-04
986	441895.2	3769082	7.34E-03	7.34E-03	8.27E-03	8.27E-03	1.39E-03	1.39E-03	6.06E-04	6.06E-04
987	441886.3	3769085	7.22E-03	7.22E-03	8.13E-03	8.13E-03	1.36E-03	1.36E-03	5.97E-04	5.97E-04
988	441877.3	3769089	7.09E-03	7.09E-03	7.99E-03	7.99E-03	1.34E-03	1.34E-03	5.86E-04	5.86E-04
989	441850.4	3769100	6.69E-03	6.69E-03	7.54E-03	7.54E-03	1.27E-03	1.27E-03	5.53E-04	5.53E-04
990	441787.7	3769125	5.73E-03	5.73E-03	6.46E-03	6.46E-03	1.08E-03	1.08E-03	4.74E-04	4.74E-04
991	441563.7	3769214	3.13E-03	3.13E-03	3.53E-03	3.53E-03	5.92E-04	5.92E-04	2.59E-04	2.59E-04
992	441554.8	3769218	3.06E-03	3.06E-03	3.45E-03	3.45E-03	5.79E-04	5.79E-04	2.53E-04	2.53E-04
993	441545.8	3769221	3.00E-03	3.00E-03	3.38E-03	3.38E-03	5.66E-04	5.66E-04	2.48E-04	2.48E-04
994	441536.8	3769225	2.93E-03	2.93E-03	3.30E-03	3.30E-03	5.54E-04	5.54E-04	2.42E-04	2.42E-04
995	441527.9	3769229	2.87E-03	2.87E-03	3.23E-03	3.23E-03	5.42E-04	5.42E-04	2.37E-04	2.37E-04
996	441518.9	3769232	2.81E-03	2.81E-03	3.16E-03	3.16E-03	5.30E-04	5.30E-04	2.32E-04	2.32E-04
997	441510	3769236	2.74E-03	2.74E-03	3.09E-03	3.09E-03	5.19E-04	5.19E-04	2.27E-04	2.27E-04
998	441501	3769239	2.68E-03	2.68E-03	3.02E-03	3.02E-03	5.07E-04	5.07E-04	2.22E-04	2.22E-04
999	441492	3769243	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.17E-04	2.17E-04
1000	442114.7	3768621	5.71E-03	5.71E-03	6.43E-03	6.43E-03	1.08E-03	1.08E-03	4.72E-04	4.72E-04
1001	442114.6	3768611	5.50E-03	5.50E-03	6.20E-03	6.20E-03	1.04E-03	1.04E-03	4.55E-04	4.55E-04
1002	442114.5	3768601	5.29E-03	5.29E-03	5.97E-03	5.97E-03	1.00E-03	1.00E-03	4.38E-04	4.38E-04
1003	442114.4	3768591	5.09E-03	5.09E-03	5.73E-03	5.73E-03	9.61E-04	9.61E-04	4.21E-04	4.21E-04
1004	442114.4	3768582	4.88E-03	4.88E-03	5.50E-03	5.50E-03	9.23E-04	9.23E-04	4.04E-04	4.04E-04
1005	442114.3	3768572	4.68E-03	4.68E-03	5.28E-03	5.28E-03	8.85E-04	8.85E-04	3.87E-04	3.87E-04
1006	442114.2	3768562	4.49E-03	4.49E-03	5.07E-03	5.07E-03	8.50E-04	8.50E-04	3.72E-04	3.72E-04
1007	442114.1	3768552	4.32E-03	4.32E-03	4.87E-03	4.87E-03	8.16E-04	8.16E-04	3.57E-04	3.57E-04
1008	442114	3768542	4.15E-03	4.15E-03	4.67E-03	4.67E-03	7.84E-04	7.84E-04	3.43E-04	3.43E-04
1009	442113.9	3768532	3.99E-03	3.99E-03	4.49E-03	4.49E-03	7.53E-04	7.53E-04	3.30E-04	3.30E-04
1010	442151	3768630	5.42E-03	5.42E-03	6.11E-03	6.11E-03	1.03E-03	1.03E-03	4.48E-04	4.48E-04
1011	442147.3	3768639	5.64E-03	5.64E-03	6.36E-03	6.36E-03	1.07E-03	1.07E-03	4.66E-04	4.66E-04
1012	442143.6	3768648	5.86E-03	5.86E-03	6.61E-03	6.61E-03	1.11E-03	1.11E-03	4.85E-04	4.85E-04
1013	442140	3768656	6.09E-03	6.09E-03	6.86E-03	6.86E-03	1.15E-03	1.15E-03	5.03E-04	5.03E-04
1014	442136.3	3768665	6.31E-03	6.31E-03	7.12E-03	7.12E-03	1.19E-03	1.19E-03	5.22E-04	5.22E-04
1015	442132.6	3768674	6.54E-03	6.54E-03	7.37E-03	7.37E-03	1.24E-03	1.24E-03	5.40E-04	5.40E-04
1016	442103.1	3768746	8.49E-03	8.49E-03	9.57E-03	9.57E-03	1.61E-03	1.61E-03	7.02E-04	7.02E-04
1017	442099.4	3768755	8.73E-03	8.73E-03	9.85E-03	9.85E-03	1.65E-03	1.65E-03	7.22E-04	7.22E-04
1018	442095.7	3768764	8.97E-03	8.97E-03	1.01E-02	1.01E-02	1.70E-03	1.70E-03	7.42E-04	7.42E-04
1019	442092	3768773	9.19E-03	9.19E-03	1.04E-02	1.04E-02	1.74E-03	1.74E-03	7.60E-04	7.60E-04

1020	442088.3	3768782	9.41E-03	9.41E-03	1.06E-02	1.06E-02	1.78E-03	1.78E-03	7.78E-04	7.78E-04
1021	442084.6	3768791	9.62E-03	9.62E-03	1.08E-02	1.08E-02	1.82E-03	1.82E-03	7.96E-04	7.96E-04
1022	442080.9	3768800	9.82E-03	9.82E-03	1.11E-02	1.11E-02	1.86E-03	1.86E-03	8.12E-04	8.12E-04
1023	442077.2	3768809	1.00E-02	1.00E-02	1.13E-02	1.13E-02	1.89E-03	1.89E-03	8.28E-04	8.28E-04
1024	442073.6	3768818	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.92E-03	1.92E-03	8.41E-04	8.41E-04
1025	442069.9	3768827	1.03E-02	1.03E-02	1.16E-02	1.16E-02	1.95E-03	1.95E-03	8.53E-04	8.53E-04
1026	442066.2	3768836	1.05E-02	1.05E-02	1.18E-02	1.18E-02	1.98E-03	1.98E-03	8.64E-04	8.64E-04
1027	442062.5	3768845	1.06E-02	1.06E-02	1.19E-02	1.19E-02	2.00E-03	2.00E-03	8.73E-04	8.73E-04
1028	442058.8	3768854	1.07E-02	1.07E-02	1.20E-02	1.20E-02	2.02E-03	2.02E-03	8.81E-04	8.81E-04
1029	442055.1	3768863	1.07E-02	1.07E-02	1.21E-02	1.21E-02	2.03E-03	2.03E-03	8.87E-04	8.87E-04
1030	442051.4	3768872	1.08E-02	1.08E-02	1.22E-02	1.22E-02	2.04E-03	2.04E-03	8.92E-04	8.92E-04
1031	441974	3769060	7.86E-03	7.86E-03	8.86E-03	8.86E-03	1.49E-03	1.49E-03	6.50E-04	6.50E-04
1032	441970.3	3769069	7.60E-03	7.60E-03	8.57E-03	8.57E-03	1.44E-03	1.44E-03	6.29E-04	6.29E-04
1033	441966.6	3769078	7.35E-03	7.35E-03	8.28E-03	8.28E-03	1.39E-03	1.39E-03	6.08E-04	6.08E-04
1034	441932.2	3769106	6.56E-03	6.56E-03	7.40E-03	7.40E-03	1.24E-03	1.24E-03	5.43E-04	5.43E-04
1035	441923.2	3769110	6.46E-03	6.46E-03	7.28E-03	7.28E-03	1.22E-03	1.22E-03	5.34E-04	5.34E-04
1036	441914.2	3769114	6.36E-03	6.36E-03	7.17E-03	7.17E-03	1.20E-03	1.20E-03	5.26E-04	5.26E-04
1037	441905.2	3769117	6.25E-03	6.25E-03	7.04E-03	7.04E-03	1.18E-03	1.18E-03	5.16E-04	5.16E-04
1038	441878.2	3769128	5.89E-03	5.89E-03	6.64E-03	6.64E-03	1.11E-03	1.11E-03	4.87E-04	4.87E-04
1039	441869.2	3769132	5.78E-03	5.78E-03	6.51E-03	6.51E-03	1.09E-03	1.09E-03	4.78E-04	4.78E-04
1040	441815.2	3769153	5.07E-03	5.07E-03	5.71E-03	5.71E-03	9.58E-04	9.58E-04	4.19E-04	4.19E-04
1041	441806.2	3769157	4.95E-03	4.95E-03	5.58E-03	5.58E-03	9.37E-04	9.37E-04	4.10E-04	4.10E-04
1042	441797.2	3769160	4.84E-03	4.84E-03	5.46E-03	5.46E-03	9.15E-04	9.15E-04	4.00E-04	4.00E-04
1043	441788.3	3769164	4.73E-03	4.73E-03	5.33E-03	5.33E-03	8.94E-04	8.94E-04	3.91E-04	3.91E-04
1044	441662.3	3769215	3.40E-03	3.40E-03	3.83E-03	3.83E-03	6.43E-04	6.43E-04	2.81E-04	2.81E-04
1045	441653.3	3769218	3.33E-03	3.33E-03	3.75E-03	3.75E-03	6.30E-04	6.30E-04	2.75E-04	2.75E-04
1046	441644.3	3769222	3.26E-03	3.26E-03	3.68E-03	3.68E-03	6.17E-04	6.17E-04	2.70E-04	2.70E-04
1047	441635.3	3769225	3.20E-03	3.20E-03	3.61E-03	3.61E-03	6.05E-04	6.05E-04	2.65E-04	2.65E-04
1048	441626.3	3769229	3.14E-03	3.14E-03	3.53E-03	3.53E-03	5.93E-04	5.93E-04	2.59E-04	2.59E-04
1049	441617.3	3769233	3.07E-03	3.07E-03	3.46E-03	3.46E-03	5.80E-04	5.80E-04	2.54E-04	2.54E-04
1050	441608.3	3769236	3.00E-03	3.00E-03	3.39E-03	3.39E-03	5.68E-04	5.68E-04	2.48E-04	2.48E-04
1051	441599.3	3769240	2.94E-03	2.94E-03	3.31E-03	3.31E-03	5.56E-04	5.56E-04	2.43E-04	2.43E-04
1052	441590.3	3769243	2.88E-03	2.88E-03	3.24E-03	3.24E-03	5.44E-04	5.44E-04	2.38E-04	2.38E-04
1053	441581.3	3769247	2.81E-03	2.81E-03	3.17E-03	3.17E-03	5.32E-04	5.32E-04	2.33E-04	2.33E-04
1054	441572.3	3769251	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.20E-04	5.20E-04	2.27E-04	2.27E-04
1055	441563.3	3769254	2.69E-03	2.69E-03	3.03E-03	3.03E-03	5.09E-04	5.09E-04	2.23E-04	2.23E-04
1056	441554.3	3769258	2.63E-03	2.63E-03	2.97E-03	2.97E-03	4.98E-04	4.98E-04	2.18E-04	2.18E-04
1057	441545.3	3769261	2.58E-03	2.58E-03	2.91E-03	2.91E-03	4.87E-04	4.87E-04	2.13E-04	2.13E-04
1058	441536.3	3769265	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.77E-04	4.77E-04	2.09E-04	2.09E-04
1059	441527.3	3769269	2.47E-03	2.47E-03	2.79E-03	2.79E-03	4.67E-04	4.67E-04	2.04E-04	2.04E-04
1060	441518.3	3769272	2.42E-03	2.42E-03	2.73E-03	2.73E-03	4.57E-04	4.57E-04	2.00E-04	2.00E-04
1061	441509.3	3769276	2.34E-03	2.34E-03	2.63E-03	2.63E-03	4.41E-04	4.41E-04	1.93E-04	1.93E-04
1062	441500.3	3769279	2.28E-03	2.28E-03	2.57E-03	2.57E-03	4.31E-04	4.31E-04	1.89E-04	1.89E-04
1063	441491.3	3769283	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.21E-04	4.21E-04	1.84E-04	1.84E-04
1064	442154.7	3768621	5.21E-03	5.21E-03	5.87E-03	5.87E-03	9.85E-04	9.85E-04	4.31E-04	4.31E-04
1065	442154.6	3768611	5.03E-03	5.03E-03	5.66E-03	5.66E-03	9.50E-04	9.50E-04	4.15E-04	4.15E-04
1066	442154.5	3768601	4.85E-03	4.85E-03	5.46E-03	5.46E-03	9.16E-04	9.16E-04	4.01E-04	4.01E-04
1067	442154.4	3768591	4.66E-03	4.66E-03	5.25E-03	5.25E-03	8.81E-04	8.81E-04	3.85E-04	3.85E-04
1068	442154.4	3768581	4.48E-03	4.48E-03	5.05E-03	5.05E-03	8.47E-04	8.47E-04	3.70E-04	3.70E-04
1069	442154.3	3768571	4.30E-03	4.30E-03	4.85E-03	4.85E-03	8.14E-04	8.14E-04	3.56E-04	3.56E-04
1070	442154.2	3768562	4.14E-03	4.14E-03	4.67E-03	4.67E-03	7.83E-04	7.83E-04	3.42E-04	3.42E-04
1071	442154.1	3768552	3.98E-03	3.98E-03	4.49E-03	4.49E-03	7.53E-04	7.53E-04	3.29E-04	3.29E-04
1072	442154	3768542	3.83E-03	3.83E-03	4.32E-03	4.32E-03	7.25E-04	7.25E-04	3.17E-04	3.17E-04
1073	442153.9	3768532	3.69E-03	3.69E-03	4.16E-03	4.16E-03	6.98E-04	6.98E-04	3.05E-04	3.05E-04
1074	442142.9	3768746	7.68E-03	7.68E-03	8.65E-03	8.65E-03	1.45E-03	1.45E-03	6.35E-04	6.35E-04
1075	442139.2	3768755	7.90E-03	7.90E-03	8.90E-03	8.90E-03	1.49E-03	1.49E-03	6.53E-04	6.53E-04
1076	442135.5	3768764	8.11E-03	8.11E-03	9.14E-03	9.14E-03	1.53E-03	1.53E-03	6.71E-04	6.71E-04
1077	442131.8	3768773	8.32E-03	8.32E-03	9.38E-03	9.38E-03	1.57E-03	1.57E-03	6.88E-04	6.88E-04
1078	442128.1	3768782	8.53E-03	8.53E-03	9.61E-03	9.61E-03	1.61E-03	1.61E-03	7.05E-04	7.05E-04
1079	442124.4	3768791	8.72E-03	8.72E-03	9.83E-03	9.83E-03	1.65E-03	1.65E-03	7.21E-04	7.21E-04
1080	442120.7	3768800	8.91E-03	8.91E-03	1.00E-02	1.00E-02	1.68E-03	1.68E-03	7.36E-04	7.36E-04
1081	442117	3768809	9.08E-03	9.08E-03	1.02E-02	1.02E-02	1.72E-03	1.72E-03	7.51E-04	7.51E-04
1082	442113.3	3768818	9.24E-03	9.24E-03	1.04E-02	1.04E-02	1.75E-03	1.75E-03	7.64E-04	7.64E-04
1083	442109.5	3768827	9.38E-03	9.38E-03	1.06E-02	1.06E-02	1.77E-03	1.77E-03	7.75E-04	7.75E-04
1084	442105.8	3768836	9.51E-03	9.51E-03	1.07E-02	1.07E-02	1.80E-03	1.80E-03	7.86E-04	7.86E-04
1085	442102.1	3768845	9.62E-03	9.62E-03	1.08E-02	1.08E-02	1.82E-03	1.82E-03	7.96E-04	7.96E-04
1086	442098.4	3768854	9.72E-03	9.72E-03	1.10E-02	1.10E-02	1.84E-03	1.84E-03	8.04E-04	8.04E-04
1087	442094.7	3768863	9.80E-03	9.80E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.10E-04	8.10E-04
1088	442091	3768872	9.87E-03	9.87E-03	1.11E-02	1.11E-02	1.86E-03	1.86E-03	8.16E-04	8.16E-04
1089	441951.2	3769139	5.74E-03	5.74E-03	6.47E-03	6.47E-03	1.09E-03	1.09E-03	4.75E-04	4.75E-04
1090	441942.2	3769142	5.64E-03	5.64E-03	6.36E-03	6.36E-03	1.07E-03	1.07E-03	4.66E-04	4.66E-04
1091	441933.2	3769146	5.54E-03	5.54E-03	6.24E-03	6.24E-03	1.05E-03	1.05E-03	4.58E-04	4.58E-04
1092	441924.1	3769149	5.44E-03	5.44E-03	6.13E-03	6.13E-03	1.03E-03	1.03E-03	4.49E-04	4.49E-04

1093	441906.1	3769157	5.22E-03	5.22E-03	5.89E-03	5.89E-03	9.87E-04	9.87E-04	4.32E-04	4.32E-04
1094	441897	3769160	5.12E-03	5.12E-03	5.77E-03	5.77E-03	9.68E-04	9.68E-04	4.23E-04	4.23E-04
1095	441833.8	3769186	4.42E-03	4.42E-03	4.98E-03	4.98E-03	8.35E-04	8.35E-04	3.65E-04	3.65E-04
1096	441824.8	3769189	4.32E-03	4.32E-03	4.87E-03	4.87E-03	8.16E-04	8.16E-04	3.57E-04	3.57E-04
1097	441716.4	3769233	3.31E-03	3.31E-03	3.73E-03	3.73E-03	6.25E-04	6.25E-04	2.73E-04	2.73E-04
1098	441707.4	3769236	3.24E-03	3.24E-03	3.65E-03	3.65E-03	6.12E-04	6.12E-04	2.68E-04	2.68E-04
1099	441698.3	3769240	3.17E-03	3.17E-03	3.57E-03	3.57E-03	5.99E-04	5.99E-04	2.62E-04	2.62E-04
1100	441689.3	3769243	3.10E-03	3.10E-03	3.50E-03	3.50E-03	5.86E-04	5.86E-04	2.56E-04	2.56E-04
1101	441680.3	3769247	3.04E-03	3.04E-03	3.42E-03	3.42E-03	5.74E-04	5.74E-04	2.51E-04	2.51E-04
1102	441671.2	3769251	2.97E-03	2.97E-03	3.35E-03	3.35E-03	5.62E-04	5.62E-04	2.46E-04	2.46E-04
1103	441662.2	3769254	2.91E-03	2.91E-03	3.28E-03	3.28E-03	5.51E-04	5.51E-04	2.41E-04	2.41E-04
1104	441653.2	3769258	2.86E-03	2.86E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04
1105	441644.2	3769261	2.80E-03	2.80E-03	3.16E-03	3.16E-03	5.29E-04	5.29E-04	2.31E-04	2.31E-04
1106	441635.1	3769265	2.74E-03	2.74E-03	3.09E-03	3.09E-03	5.19E-04	5.19E-04	2.27E-04	2.27E-04
1107	441626.1	3769269	2.69E-03	2.69E-03	3.03E-03	3.03E-03	5.09E-04	5.09E-04	2.22E-04	2.22E-04
1108	441617.1	3769272	2.64E-03	2.64E-03	2.97E-03	2.97E-03	4.99E-04	4.99E-04	2.18E-04	2.18E-04
1109	441608	3769276	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.89E-04	4.89E-04	2.14E-04	2.14E-04
1110	441599	3769280	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.79E-04	4.79E-04	2.10E-04	2.10E-04
1111	441590	3769283	2.45E-03	2.45E-03	2.76E-03	2.76E-03	4.62E-04	4.62E-04	2.02E-04	2.02E-04
1112	441580.9	3769287	2.39E-03	2.39E-03	2.70E-03	2.70E-03	4.52E-04	4.52E-04	1.98E-04	1.98E-04
1113	441571.9	3769290	2.34E-03	2.34E-03	2.64E-03	2.64E-03	4.42E-04	4.42E-04	1.93E-04	1.93E-04
1114	441562.9	3769294	2.29E-03	2.29E-03	2.58E-03	2.58E-03	4.33E-04	4.33E-04	1.89E-04	1.89E-04
1115	441553.8	3769298	2.24E-03	2.24E-03	2.53E-03	2.53E-03	4.24E-04	4.24E-04	1.85E-04	1.85E-04
1116	441544.8	3769301	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.15E-04	4.15E-04	1.82E-04	1.82E-04
1117	441535.8	3769305	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04
1118	441526.7	3769309	2.10E-03	2.10E-03	2.37E-03	2.37E-03	3.98E-04	3.98E-04	1.74E-04	1.74E-04
1119	441517.7	3769312	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.89E-04	3.89E-04	1.70E-04	1.70E-04
1120	441508.7	3769316	2.01E-03	2.01E-03	2.27E-03	2.27E-03	3.81E-04	3.81E-04	1.67E-04	1.67E-04
1121	441499.6	3769319	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
1122	441490.6	3769323	1.93E-03	1.93E-03	2.18E-03	2.18E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
1123	442193.9	3768532	3.42E-03	3.42E-03	3.86E-03	3.86E-03	6.47E-04	6.47E-04	2.83E-04	2.83E-04
1124	442182.7	3768746	6.99E-03	6.99E-03	7.87E-03	7.87E-03	1.32E-03	1.32E-03	5.78E-04	5.78E-04
1125	442179	3768755	7.18E-03	7.18E-03	8.09E-03	8.09E-03	1.36E-03	1.36E-03	5.93E-04	5.93E-04
1126	442175.3	3768764	7.37E-03	7.37E-03	8.30E-03	8.30E-03	1.39E-03	1.39E-03	6.09E-04	6.09E-04
1127	442171.6	3768773	7.55E-03	7.55E-03	8.51E-03	8.51E-03	1.43E-03	1.43E-03	6.25E-04	6.25E-04
1128	442167.8	3768782	7.74E-03	7.74E-03	8.72E-03	8.72E-03	1.46E-03	1.46E-03	6.40E-04	6.40E-04
1129	442164.1	3768791	7.93E-03	7.93E-03	8.93E-03	8.93E-03	1.50E-03	1.50E-03	6.55E-04	6.55E-04
1130	442160.4	3768800	8.10E-03	8.10E-03	9.13E-03	9.13E-03	1.53E-03	1.53E-03	6.70E-04	6.70E-04
1131	442156.7	3768809	8.27E-03	8.27E-03	9.32E-03	9.32E-03	1.56E-03	1.56E-03	6.84E-04	6.84E-04
1132	442153	3768818	8.42E-03	8.42E-03	9.49E-03	9.49E-03	1.59E-03	1.59E-03	6.96E-04	6.96E-04
1133	442149.3	3768827	8.56E-03	8.56E-03	9.65E-03	9.65E-03	1.62E-03	1.62E-03	7.08E-04	7.08E-04
1134	442145.5	3768837	8.69E-03	8.69E-03	9.79E-03	9.79E-03	1.64E-03	1.64E-03	7.18E-04	7.18E-04
1135	442141.8	3768846	8.81E-03	8.81E-03	9.93E-03	9.93E-03	1.66E-03	1.66E-03	7.28E-04	7.28E-04
1136	442138.1	3768855	8.91E-03	8.91E-03	1.00E-02	1.00E-02	1.68E-03	1.68E-03	7.37E-04	7.37E-04
1137	442134.4	3768864	9.00E-03	9.00E-03	1.01E-02	1.01E-02	1.70E-03	1.70E-03	7.44E-04	7.44E-04
1138	442052.7	3769062	7.42E-03	7.42E-03	8.36E-03	8.36E-03	1.40E-03	1.40E-03	6.13E-04	6.13E-04
1139	441979.3	3769167	5.11E-03	5.11E-03	5.76E-03	5.76E-03	9.67E-04	9.67E-04	4.23E-04	4.23E-04
1140	441970.2	3769171	5.03E-03	5.03E-03	5.66E-03	5.66E-03	9.50E-04	9.50E-04	4.15E-04	4.15E-04
1141	441961.1	3769174	4.94E-03	4.94E-03	5.56E-03	5.56E-03	9.33E-04	9.33E-04	4.08E-04	4.08E-04
1142	441952.1	3769178	4.85E-03	4.85E-03	5.46E-03	5.46E-03	9.16E-04	9.16E-04	4.01E-04	4.01E-04
1143	441933.9	3769185	4.67E-03	4.67E-03	5.26E-03	5.26E-03	8.83E-04	8.83E-04	3.86E-04	3.86E-04
1144	441924.9	3769189	4.58E-03	4.58E-03	5.16E-03	5.16E-03	8.66E-04	8.66E-04	3.79E-04	3.79E-04
1145	441834.3	3769225	3.72E-03	3.72E-03	4.19E-03	4.19E-03	7.03E-04	7.03E-04	3.07E-04	3.07E-04
1146	441825.2	3769229	3.64E-03	3.64E-03	4.10E-03	4.10E-03	6.88E-04	6.88E-04	3.01E-04	3.01E-04
1147	441816.1	3769232	3.56E-03	3.56E-03	4.02E-03	4.02E-03	6.74E-04	6.74E-04	2.95E-04	2.95E-04
1148	441807.1	3769236	3.49E-03	3.49E-03	3.93E-03	3.93E-03	6.59E-04	6.59E-04	2.88E-04	2.88E-04
1149	441798	3769240	3.41E-03	3.41E-03	3.85E-03	3.85E-03	6.45E-04	6.45E-04	2.82E-04	2.82E-04
1150	441734.6	3769265	2.96E-03	2.96E-03	3.33E-03	3.33E-03	5.59E-04	5.59E-04	2.44E-04	2.44E-04
1151	441725.5	3769269	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.48E-04	5.48E-04	2.40E-04	2.40E-04
1152	441716.4	3769272	2.84E-03	2.84E-03	3.21E-03	3.21E-03	5.38E-04	5.38E-04	2.35E-04	2.35E-04
1153	441707.4	3769276	2.79E-03	2.79E-03	3.14E-03	3.14E-03	5.27E-04	5.27E-04	2.30E-04	2.30E-04
1154	441698.3	3769279	2.73E-03	2.73E-03	3.08E-03	3.08E-03	5.16E-04	5.16E-04	2.26E-04	2.26E-04
1155	441689.3	3769283	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.17E-04	2.17E-04
1156	441680.2	3769287	2.57E-03	2.57E-03	2.90E-03	2.90E-03	4.86E-04	4.86E-04	2.12E-04	2.12E-04
1157	441671.1	3769290	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.77E-04	4.77E-04	2.09E-04	2.09E-04
1158	441662.1	3769294	2.48E-03	2.48E-03	2.79E-03	2.79E-03	4.69E-04	4.69E-04	2.05E-04	2.05E-04
1159	441653	3769298	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.61E-04	4.61E-04	2.02E-04	2.02E-04
1160	441644	3769301	2.40E-03	2.40E-03	2.71E-03	2.71E-03	4.54E-04	4.54E-04	1.98E-04	1.98E-04
1161	441634.9	3769305	2.40E-03	2.40E-03	2.70E-03	2.70E-03	4.53E-04	4.53E-04	1.98E-04	1.98E-04
1162	441625.8	3769309	2.36E-03	2.36E-03	2.65E-03	2.65E-03	4.45E-04	4.45E-04	1.95E-04	1.95E-04
1163	441616.8	3769312	2.31E-03	2.31E-03	2.61E-03	2.61E-03	4.37E-04	4.37E-04	1.91E-04	1.91E-04
1164	441607.7	3769316	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.29E-04	4.29E-04	1.88E-04	1.88E-04
1165	441598.6	3769319	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.21E-04	4.21E-04	1.84E-04	1.84E-04

1166	441589.6	3769323	2.15E-03	2.15E-03	2.43E-03	2.43E-03	4.07E-04	4.07E-04	1.78E-04	1.78E-04
1167	441580.5	3769327	2.10E-03	2.10E-03	2.37E-03	2.37E-03	3.98E-04	3.98E-04	1.74E-04	1.74E-04
1168	441571.5	3769330	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.89E-04	3.89E-04	1.70E-04	1.70E-04
1169	441562.4	3769334	2.02E-03	2.02E-03	2.27E-03	2.27E-03	3.81E-04	3.81E-04	1.67E-04	1.67E-04
1170	441553.3	3769338	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
1171	441544.3	3769341	1.93E-03	1.93E-03	2.18E-03	2.18E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
1172	441535.2	3769345	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
1173	441526.1	3769348	1.86E-03	1.86E-03	2.09E-03	2.09E-03	3.51E-04	3.51E-04	1.53E-04	1.53E-04
1174	441517.1	3769352	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.51E-04	1.51E-04
1175	441508	3769356	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.38E-04	3.38E-04	1.48E-04	1.48E-04
1176	442222.5	3768746	6.40E-03	6.40E-03	7.21E-03	7.21E-03	1.21E-03	1.21E-03	5.29E-04	5.29E-04
1177	442218.8	3768755	6.57E-03	6.57E-03	7.41E-03	7.41E-03	1.24E-03	1.24E-03	5.43E-04	5.43E-04
1178	442215.1	3768764	6.75E-03	6.75E-03	7.61E-03	7.61E-03	1.28E-03	1.28E-03	5.58E-04	5.58E-04
1179	442211.4	3768773	6.92E-03	6.92E-03	7.80E-03	7.80E-03	1.31E-03	1.31E-03	5.72E-04	5.72E-04
1180	442207.6	3768782	7.09E-03	7.09E-03	7.99E-03	7.99E-03	1.34E-03	1.34E-03	5.86E-04	5.86E-04
1181	442203.9	3768792	7.25E-03	7.25E-03	8.17E-03	8.17E-03	1.37E-03	1.37E-03	5.99E-04	5.99E-04
1182	442200.2	3768801	7.40E-03	7.40E-03	8.34E-03	8.34E-03	1.40E-03	1.40E-03	6.12E-04	6.12E-04
1183	442196.4	3768810	7.55E-03	7.55E-03	8.51E-03	8.51E-03	1.43E-03	1.43E-03	6.24E-04	6.24E-04
1184	442192.7	3768819	7.69E-03	7.69E-03	8.67E-03	8.67E-03	1.45E-03	1.45E-03	6.36E-04	6.36E-04
1185	442189	3768828	7.82E-03	7.82E-03	8.82E-03	8.82E-03	1.48E-03	1.48E-03	6.47E-04	6.47E-04
1186	442185.3	3768837	7.95E-03	7.95E-03	8.96E-03	8.96E-03	1.50E-03	1.50E-03	6.57E-04	6.57E-04
1187	442181.5	3768846	8.07E-03	8.07E-03	9.09E-03	9.09E-03	1.52E-03	1.52E-03	6.67E-04	6.67E-04
1188	442177.8	3768855	8.18E-03	8.18E-03	9.22E-03	9.22E-03	1.55E-03	1.55E-03	6.76E-04	6.76E-04
1189	442174.1	3768864	8.27E-03	8.27E-03	9.33E-03	9.33E-03	1.56E-03	1.56E-03	6.84E-04	6.84E-04
1190	442095.8	3769054	7.35E-03	7.35E-03	8.28E-03	8.28E-03	1.39E-03	1.39E-03	6.07E-04	6.07E-04
1191	442092.1	3769063	7.19E-03	7.19E-03	8.10E-03	8.10E-03	1.36E-03	1.36E-03	5.94E-04	5.94E-04
1192	442088.4	3769072	7.02E-03	7.02E-03	7.92E-03	7.92E-03	1.33E-03	1.33E-03	5.81E-04	5.81E-04
1193	442084.6	3769081	6.85E-03	6.85E-03	7.72E-03	7.72E-03	1.30E-03	1.30E-03	5.67E-04	5.67E-04
1194	442080.9	3769090	6.68E-03	6.68E-03	7.53E-03	7.53E-03	1.26E-03	1.26E-03	5.52E-04	5.52E-04
1195	442077.2	3769099	6.50E-03	6.50E-03	7.33E-03	7.33E-03	1.23E-03	1.23E-03	5.38E-04	5.38E-04
1196	442073.5	3769108	6.32E-03	6.32E-03	7.13E-03	7.13E-03	1.20E-03	1.20E-03	5.23E-04	5.23E-04
1197	442069.7	3769118	6.14E-03	6.14E-03	6.92E-03	6.92E-03	1.16E-03	1.16E-03	5.08E-04	5.08E-04
1198	442066	3769127	5.96E-03	5.96E-03	6.72E-03	6.72E-03	1.13E-03	1.13E-03	4.93E-04	4.93E-04
1199	442062.3	3769136	5.78E-03	5.78E-03	6.52E-03	6.52E-03	1.09E-03	1.09E-03	4.78E-04	4.78E-04
1200	442058.6	3769145	5.60E-03	5.60E-03	6.32E-03	6.32E-03	1.06E-03	1.06E-03	4.63E-04	4.63E-04
1201	442054.8	3769154	5.43E-03	5.43E-03	6.12E-03	6.12E-03	1.03E-03	1.03E-03	4.49E-04	4.49E-04
1202	441880	3769246	3.51E-03	3.51E-03	3.95E-03	3.95E-03	6.63E-04	6.63E-04	2.90E-04	2.90E-04
1203	441870.9	3769250	3.44E-03	3.44E-03	3.88E-03	3.88E-03	6.50E-04	6.50E-04	2.84E-04	2.84E-04
1204	441861.9	3769254	3.37E-03	3.37E-03	3.80E-03	3.80E-03	6.37E-04	6.37E-04	2.79E-04	2.79E-04
1205	441852.8	3769257	3.31E-03	3.31E-03	3.73E-03	3.73E-03	6.25E-04	6.25E-04	2.73E-04	2.73E-04
1206	441843.7	3769261	3.24E-03	3.24E-03	3.65E-03	3.65E-03	6.13E-04	6.13E-04	2.68E-04	2.68E-04
1207	441834.6	3769265	3.18E-03	3.18E-03	3.58E-03	3.58E-03	6.01E-04	6.01E-04	2.63E-04	2.63E-04
1208	441825.5	3769268	3.11E-03	3.11E-03	3.51E-03	3.51E-03	5.88E-04	5.88E-04	2.57E-04	2.57E-04
1209	441761.9	3769294	2.71E-03	2.71E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
1210	441752.8	3769297	2.66E-03	2.66E-03	3.00E-03	3.00E-03	5.03E-04	5.03E-04	2.20E-04	2.20E-04
1211	441743.7	3769301	2.61E-03	2.61E-03	2.94E-03	2.94E-03	4.93E-04	4.93E-04	2.16E-04	2.16E-04
1212	441734.6	3769305	2.50E-03	2.50E-03	2.82E-03	2.82E-03	4.73E-04	4.73E-04	2.07E-04	2.07E-04
1213	441725.5	3769308	2.45E-03	2.45E-03	2.76E-03	2.76E-03	4.63E-04	4.63E-04	2.02E-04	2.02E-04
1214	441716.4	3769312	2.40E-03	2.40E-03	2.70E-03	2.70E-03	4.53E-04	4.53E-04	1.98E-04	1.98E-04
1215	441707.3	3769316	2.35E-03	2.35E-03	2.65E-03	2.65E-03	4.44E-04	4.44E-04	1.94E-04	1.94E-04
1216	441698.2	3769319	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
1217	441689.1	3769323	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.30E-04	4.30E-04	1.88E-04	1.88E-04
1218	441680.1	3769327	2.24E-03	2.24E-03	2.53E-03	2.53E-03	4.24E-04	4.24E-04	1.86E-04	1.86E-04
1219	441671	3769330	2.22E-03	2.22E-03	2.50E-03	2.50E-03	4.19E-04	4.19E-04	1.83E-04	1.83E-04
1220	441661.9	3769334	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.14E-04	4.14E-04	1.81E-04	1.81E-04
1221	441652.8	3769337	2.16E-03	2.16E-03	2.43E-03	2.43E-03	4.08E-04	4.08E-04	1.79E-04	1.79E-04
1222	441643.7	3769341	2.15E-03	2.15E-03	2.43E-03	2.43E-03	4.07E-04	4.07E-04	1.78E-04	1.78E-04
1223	441634.6	3769345	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
1224	441625.5	3769348	2.08E-03	2.08E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
1225	441616.4	3769352	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
1226	441607.3	3769356	2.01E-03	2.01E-03	2.26E-03	2.26E-03	3.80E-04	3.80E-04	1.66E-04	1.66E-04
1227	441543.7	3769381	1.73E-03	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
1228	441534.6	3769385	1.70E-03	1.70E-03	1.92E-03	1.92E-03	3.21E-04	3.21E-04	1.41E-04	1.41E-04
1229	441525.5	3769388	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04
1230	441516.4	3769392	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.10E-04	3.10E-04	1.36E-04	1.36E-04
1231	441507.4	3769396	1.61E-03	1.61E-03	1.81E-03	1.81E-03	3.04E-04	3.04E-04	1.33E-04	1.33E-04
1232	441498.3	3769399	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
1233	441489.2	3769403	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.94E-04	2.94E-04	1.29E-04	1.29E-04
1234	442262.4	3768746	5.87E-03	5.87E-03	6.62E-03	6.62E-03	1.11E-03	1.11E-03	4.85E-04	4.85E-04
1235	442258.7	3768755	6.03E-03	6.03E-03	6.80E-03	6.80E-03	1.14E-03	1.14E-03	4.99E-04	4.99E-04
1236	442254.9	3768764	6.19E-03	6.19E-03	6.98E-03	6.98E-03	1.17E-03	1.17E-03	5.12E-04	5.12E-04
1237	442251.2	3768773	6.35E-03	6.35E-03	7.16E-03	7.16E-03	1.20E-03	1.20E-03	5.25E-04	5.25E-04
1238	442247.4	3768783	6.50E-03	6.50E-03	7.33E-03	7.33E-03	1.23E-03	1.23E-03	5.38E-04	5.38E-04

1239	442243.7	3768792	6.66E-03	6.66E-03	7.50E-03	7.50E-03	1.26E-03	1.26E-03	5.50E-04	5.50E-04
1240	442240	3768801	6.80E-03	6.80E-03	7.67E-03	7.67E-03	1.29E-03	1.29E-03	5.62E-04	5.62E-04
1241	442236.2	3768810	6.94E-03	6.94E-03	7.83E-03	7.83E-03	1.31E-03	1.31E-03	5.74E-04	5.74E-04
1242	442232.5	3768819	7.07E-03	7.07E-03	7.97E-03	7.97E-03	1.34E-03	1.34E-03	5.85E-04	5.85E-04
1243	442228.8	3768828	7.20E-03	7.20E-03	8.11E-03	8.11E-03	1.36E-03	1.36E-03	5.95E-04	5.95E-04
1244	442225	3768837	7.32E-03	7.32E-03	8.25E-03	8.25E-03	1.38E-03	1.38E-03	6.05E-04	6.05E-04
1245	442221.3	3768846	7.42E-03	7.42E-03	8.37E-03	8.37E-03	1.40E-03	1.40E-03	6.14E-04	6.14E-04
1246	442217.5	3768855	7.52E-03	7.52E-03	8.48E-03	8.48E-03	1.42E-03	1.42E-03	6.22E-04	6.22E-04
1247	442135.3	3769055	7.07E-03	7.07E-03	7.97E-03	7.97E-03	1.34E-03	1.34E-03	5.84E-04	5.84E-04
1248	442131.6	3769064	6.93E-03	6.93E-03	7.82E-03	7.82E-03	1.31E-03	1.31E-03	5.73E-04	5.73E-04
1249	442127.9	3769073	6.80E-03	6.80E-03	7.66E-03	7.66E-03	1.28E-03	1.28E-03	5.62E-04	5.62E-04
1250	442124.1	3769082	6.65E-03	6.65E-03	7.49E-03	7.49E-03	1.26E-03	1.26E-03	5.50E-04	5.50E-04
1251	442120.4	3769091	6.50E-03	6.50E-03	7.33E-03	7.33E-03	1.23E-03	1.23E-03	5.37E-04	5.37E-04
1252	442116.6	3769100	6.34E-03	6.34E-03	7.15E-03	7.15E-03	1.20E-03	1.20E-03	5.25E-04	5.25E-04
1253	442112.9	3769109	6.19E-03	6.19E-03	6.97E-03	6.97E-03	1.17E-03	1.17E-03	5.11E-04	5.11E-04
1254	442109.2	3769119	6.02E-03	6.02E-03	6.79E-03	6.79E-03	1.14E-03	1.14E-03	4.98E-04	4.98E-04
1255	442105.4	3769128	5.86E-03	5.86E-03	6.61E-03	6.61E-03	1.11E-03	1.11E-03	4.85E-04	4.85E-04
1256	442101.7	3769137	5.70E-03	5.70E-03	6.42E-03	6.42E-03	1.08E-03	1.08E-03	4.71E-04	4.71E-04
1257	442098	3769146	5.53E-03	5.53E-03	6.24E-03	6.24E-03	1.05E-03	1.05E-03	4.57E-04	4.57E-04
1258	442094.2	3769155	5.37E-03	5.37E-03	6.05E-03	6.05E-03	1.02E-03	1.02E-03	4.44E-04	4.44E-04
1259	442090.5	3769164	5.21E-03	5.21E-03	5.87E-03	5.87E-03	9.85E-04	9.85E-04	4.31E-04	4.31E-04
1260	442086.7	3769173	5.05E-03	5.05E-03	5.69E-03	5.69E-03	9.54E-04	9.54E-04	4.17E-04	4.17E-04
1261	442083	3769182	4.89E-03	4.89E-03	5.51E-03	5.51E-03	9.25E-04	9.25E-04	4.04E-04	4.04E-04
1262	441907.7	3769275	3.18E-03	3.18E-03	3.59E-03	3.59E-03	6.02E-04	6.02E-04	2.63E-04	2.63E-04
1263	441898.6	3769279	3.13E-03	3.13E-03	3.52E-03	3.52E-03	5.91E-04	5.91E-04	2.58E-04	2.58E-04
1264	441889.5	3769282	3.07E-03	3.07E-03	3.46E-03	3.46E-03	5.80E-04	5.80E-04	2.54E-04	2.54E-04
1265	441880.4	3769286	3.01E-03	3.01E-03	3.39E-03	3.39E-03	5.69E-04	5.69E-04	2.49E-04	2.49E-04
1266	441871.3	3769290	2.95E-03	2.95E-03	3.33E-03	3.33E-03	5.58E-04	5.58E-04	2.44E-04	2.44E-04
1267	441862.2	3769293	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.48E-04	5.48E-04	2.40E-04	2.40E-04
1268	441853	3769297	2.84E-03	2.84E-03	3.20E-03	3.20E-03	5.37E-04	5.37E-04	2.35E-04	2.35E-04
1269	441843.9	3769301	2.79E-03	2.79E-03	3.14E-03	3.14E-03	5.27E-04	5.27E-04	2.31E-04	2.31E-04
1270	441780.1	3769326	2.45E-03	2.45E-03	2.76E-03	2.76E-03	4.63E-04	4.63E-04	2.03E-04	2.03E-04
1271	441771	3769330	2.34E-03	2.34E-03	2.64E-03	2.64E-03	4.43E-04	4.43E-04	1.94E-04	1.94E-04
1272	441761.9	3769333	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.35E-04	4.35E-04	1.90E-04	1.90E-04
1273	441752.8	3769337	2.26E-03	2.26E-03	2.55E-03	2.55E-03	4.28E-04	4.28E-04	1.87E-04	1.87E-04
1274	441743.7	3769341	2.22E-03	2.22E-03	2.51E-03	2.51E-03	4.20E-04	4.20E-04	1.84E-04	1.84E-04
1275	441734.5	3769344	2.18E-03	2.18E-03	2.46E-03	2.46E-03	4.13E-04	4.13E-04	1.81E-04	1.81E-04
1276	441725.4	3769348	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04
1277	441716.3	3769352	2.12E-03	2.12E-03	2.38E-03	2.38E-03	4.00E-04	4.00E-04	1.75E-04	1.75E-04
1278	441707.2	3769355	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.95E-04	3.95E-04	1.73E-04	1.73E-04
1279	441552.2	3769417	1.59E-03	1.59E-03	1.80E-03	1.80E-03	3.01E-04	3.01E-04	1.32E-04	1.32E-04
1280	441543.1	3769421	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
1281	441534	3769425	1.54E-03	1.54E-03	1.73E-03	1.73E-03	2.90E-04	2.90E-04	1.27E-04	1.27E-04
1282	441524.9	3769428	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.25E-04	1.25E-04
1283	441515.8	3769432	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.23E-04	1.23E-04
1284	441506.7	3769436	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
1285	441497.6	3769439	1.43E-03	1.43E-03	1.62E-03	1.62E-03	2.71E-04	2.71E-04	1.19E-04	1.19E-04
1286	441488.4	3769443	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.66E-04	2.66E-04	1.17E-04	1.17E-04
1287	442302.3	3768746	5.41E-03	5.41E-03	6.09E-03	6.09E-03	1.02E-03	1.02E-03	4.47E-04	4.47E-04
1288	442298.5	3768755	5.56E-03	5.56E-03	6.26E-03	6.26E-03	1.05E-03	1.05E-03	4.59E-04	4.59E-04
1289	442294.8	3768764	5.71E-03	5.71E-03	6.43E-03	6.43E-03	1.08E-03	1.08E-03	4.72E-04	4.72E-04
1290	442291	3768774	5.85E-03	5.85E-03	6.60E-03	6.60E-03	1.11E-03	1.11E-03	4.84E-04	4.84E-04
1291	442287.3	3768783	6.00E-03	6.00E-03	6.76E-03	6.76E-03	1.13E-03	1.13E-03	4.96E-04	4.96E-04
1292	442283.5	3768792	6.13E-03	6.13E-03	6.91E-03	6.91E-03	1.16E-03	1.16E-03	5.07E-04	5.07E-04
1293	442279.8	3768801	6.26E-03	6.26E-03	7.06E-03	7.06E-03	1.18E-03	1.18E-03	5.18E-04	5.18E-04
1294	442276	3768810	6.39E-03	6.39E-03	7.21E-03	7.21E-03	1.21E-03	1.21E-03	5.29E-04	5.29E-04
1295	442272.3	3768819	6.52E-03	6.52E-03	7.34E-03	7.34E-03	1.23E-03	1.23E-03	5.39E-04	5.39E-04
1296	442268.5	3768828	6.63E-03	6.63E-03	7.48E-03	7.48E-03	1.25E-03	1.25E-03	5.48E-04	5.48E-04
1297	442264.8	3768837	6.75E-03	6.75E-03	7.60E-03	7.60E-03	1.28E-03	1.28E-03	5.58E-04	5.58E-04
1298	442261	3768846	6.85E-03	6.85E-03	7.72E-03	7.72E-03	1.29E-03	1.29E-03	5.66E-04	5.66E-04
1299	442257.3	3768855	6.94E-03	6.94E-03	7.82E-03	7.82E-03	1.31E-03	1.31E-03	5.74E-04	5.74E-04
1300	442174.9	3769056	6.79E-03	6.79E-03	7.65E-03	7.65E-03	1.28E-03	1.28E-03	5.61E-04	5.61E-04
1301	442171.1	3769065	6.67E-03	6.67E-03	7.52E-03	7.52E-03	1.26E-03	1.26E-03	5.52E-04	5.52E-04
1302	442167.4	3769074	6.56E-03	6.56E-03	7.39E-03	7.39E-03	1.24E-03	1.24E-03	5.42E-04	5.42E-04
1303	442163.6	3769083	6.43E-03	6.43E-03	7.25E-03	7.25E-03	1.22E-03	1.22E-03	5.32E-04	5.32E-04
1304	442159.9	3769092	6.30E-03	6.30E-03	7.10E-03	7.10E-03	1.19E-03	1.19E-03	5.21E-04	5.21E-04
1305	442156.1	3769101	6.17E-03	6.17E-03	6.95E-03	6.95E-03	1.17E-03	1.17E-03	5.10E-04	5.10E-04
1306	442152.4	3769110	6.03E-03	6.03E-03	6.80E-03	6.80E-03	1.14E-03	1.14E-03	4.99E-04	4.99E-04
1307	442148.7	3769119	5.89E-03	5.89E-03	6.64E-03	6.64E-03	1.11E-03	1.11E-03	4.87E-04	4.87E-04
1308	442144.9	3769129	5.75E-03	5.75E-03	6.48E-03	6.48E-03	1.09E-03	1.09E-03	4.75E-04	4.75E-04
1309	442141.2	3769138	5.60E-03	5.60E-03	6.31E-03	6.31E-03	1.06E-03	1.06E-03	4.63E-04	4.63E-04
1310	442137.4	3769147	5.46E-03	5.46E-03	6.15E-03	6.15E-03	1.03E-03	1.03E-03	4.51E-04	4.51E-04
1311	442133.7	3769156	5.31E-03	5.31E-03	5.98E-03	5.98E-03	1.00E-03	1.00E-03	4.39E-04	4.39E-04

1312	442129.9	3769165	5.16E-03	5.16E-03	5.81E-03	5.81E-03	9.75E-04	9.75E-04	4.26E-04	4.26E-04
1313	442126.2	3769174	5.01E-03	5.01E-03	5.65E-03	5.65E-03	9.47E-04	9.47E-04	4.14E-04	4.14E-04
1314	442122.4	3769183	4.86E-03	4.86E-03	5.48E-03	5.48E-03	9.20E-04	9.20E-04	4.02E-04	4.02E-04
1315	442118.7	3769192	4.72E-03	4.72E-03	5.32E-03	5.32E-03	8.92E-04	8.92E-04	3.90E-04	3.90E-04
1316	442114.9	3769201	4.58E-03	4.58E-03	5.16E-03	5.16E-03	8.65E-04	8.65E-04	3.78E-04	3.78E-04
1317	442045.1	3769260	3.64E-03	3.64E-03	4.10E-03	4.10E-03	6.87E-04	6.87E-04	3.01E-04	3.01E-04
1318	442036	3769263	3.57E-03	3.57E-03	4.03E-03	4.03E-03	6.75E-04	6.75E-04	2.95E-04	2.95E-04
1319	441926.3	3769307	2.73E-03	2.73E-03	3.08E-03	3.08E-03	5.16E-04	5.16E-04	2.26E-04	2.26E-04
1320	441917.2	3769311	2.69E-03	2.69E-03	3.03E-03	3.03E-03	5.08E-04	5.08E-04	2.22E-04	2.22E-04
1321	441908.1	3769315	2.64E-03	2.64E-03	2.97E-03	2.97E-03	4.99E-04	4.99E-04	2.18E-04	2.18E-04
1322	441898.9	3769318	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.90E-04	4.90E-04	2.14E-04	2.14E-04
1323	441889.8	3769322	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.80E-04	4.80E-04	2.10E-04	2.10E-04
1324	441880.6	3769326	2.50E-03	2.50E-03	2.82E-03	2.82E-03	4.72E-04	4.72E-04	2.07E-04	2.07E-04
1325	441871.5	3769329	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.65E-04	4.65E-04	2.03E-04	2.03E-04
1326	441807.5	3769355	2.18E-03	2.18E-03	2.45E-03	2.45E-03	4.12E-04	4.12E-04	1.80E-04	1.80E-04
1327	441725.3	3769388	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.63E-04	1.63E-04
1328	441716.2	3769391	1.95E-03	1.95E-03	2.19E-03	2.19E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
1329	441707	3769395	1.92E-03	1.92E-03	2.16E-03	2.16E-03	3.62E-04	3.62E-04	1.58E-04	1.58E-04
1330	441697.9	3769399	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
1331	441688.7	3769402	1.86E-03	1.86E-03	2.09E-03	2.09E-03	3.51E-04	3.51E-04	1.54E-04	1.54E-04
1332	441679.6	3769406	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
1333	441670.5	3769410	1.78E-03	1.78E-03	2.00E-03	2.00E-03	3.36E-04	3.36E-04	1.47E-04	1.47E-04
1334	441551.7	3769457	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.72E-04	2.72E-04	1.19E-04	1.19E-04
1335	441542.5	3769461	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
1336	441533.4	3769465	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
1337	441524.3	3769468	1.36E-03	1.36E-03	1.54E-03	1.54E-03	2.58E-04	2.58E-04	1.13E-04	1.13E-04
1338	441515.1	3769472	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.53E-04	2.53E-04	1.11E-04	1.11E-04
1339	441506	3769476	1.32E-03	1.32E-03	1.48E-03	1.48E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
1340	441496.9	3769479	1.30E-03	1.30E-03	1.46E-03	1.46E-03	2.45E-04	2.45E-04	1.07E-04	1.07E-04
1341	441487.7	3769483	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.41E-04	2.41E-04	1.06E-04	1.06E-04
1342	442339.2	3768753	5.09E-03	5.09E-03	5.74E-03	5.74E-03	9.62E-04	9.62E-04	4.21E-04	4.21E-04
1343	442335.5	3768762	5.22E-03	5.22E-03	5.88E-03	5.88E-03	9.86E-04	9.86E-04	4.31E-04	4.31E-04
1344	442331.8	3768771	5.35E-03	5.35E-03	6.03E-03	6.03E-03	1.01E-03	1.01E-03	4.42E-04	4.42E-04
1345	442328.1	3768780	5.47E-03	5.47E-03	6.17E-03	6.17E-03	1.03E-03	1.03E-03	4.52E-04	4.52E-04
1346	442324.4	3768789	5.60E-03	5.60E-03	6.31E-03	6.31E-03	1.06E-03	1.06E-03	4.63E-04	4.63E-04
1347	442320.6	3768798	5.74E-03	5.74E-03	6.47E-03	6.47E-03	1.09E-03	1.09E-03	4.75E-04	4.75E-04
1348	442316.9	3768807	5.86E-03	5.86E-03	6.61E-03	6.61E-03	1.11E-03	1.11E-03	4.85E-04	4.85E-04
1349	442313.2	3768816	5.97E-03	5.97E-03	6.73E-03	6.73E-03	1.13E-03	1.13E-03	4.94E-04	4.94E-04
1350	442309.5	3768825	6.08E-03	6.08E-03	6.86E-03	6.86E-03	1.15E-03	1.15E-03	5.03E-04	5.03E-04
1351	442305.8	3768834	6.19E-03	6.19E-03	6.97E-03	6.97E-03	1.17E-03	1.17E-03	5.12E-04	5.12E-04
1352	442302.1	3768843	6.29E-03	6.29E-03	7.09E-03	7.09E-03	1.19E-03	1.19E-03	5.20E-04	5.20E-04
1353	442217	3769050	6.57E-03	6.57E-03	7.41E-03	7.41E-03	1.24E-03	1.24E-03	5.43E-04	5.43E-04
1354	442213.3	3769059	6.48E-03	6.48E-03	7.31E-03	7.31E-03	1.23E-03	1.23E-03	5.36E-04	5.36E-04
1355	442209.6	3769068	6.39E-03	6.39E-03	7.20E-03	7.20E-03	1.21E-03	1.21E-03	5.28E-04	5.28E-04
1356	442205.9	3769077	6.29E-03	6.29E-03	7.08E-03	7.08E-03	1.19E-03	1.19E-03	5.20E-04	5.20E-04
1357	442202.2	3769086	6.18E-03	6.18E-03	6.97E-03	6.97E-03	1.17E-03	1.17E-03	5.11E-04	5.11E-04
1358	442198.5	3769095	6.07E-03	6.07E-03	6.84E-03	6.84E-03	1.15E-03	1.15E-03	5.02E-04	5.02E-04
1359	442194.7	3769104	5.95E-03	5.95E-03	6.71E-03	6.71E-03	1.13E-03	1.13E-03	4.92E-04	4.92E-04
1360	442191	3769113	5.84E-03	5.84E-03	6.58E-03	6.58E-03	1.10E-03	1.10E-03	4.82E-04	4.82E-04
1361	442187.3	3769122	5.71E-03	5.71E-03	6.44E-03	6.44E-03	1.08E-03	1.08E-03	4.72E-04	4.72E-04
1362	442183.6	3769131	5.59E-03	5.59E-03	6.30E-03	6.30E-03	1.06E-03	1.06E-03	4.62E-04	4.62E-04
1363	442179.9	3769140	5.46E-03	5.46E-03	6.16E-03	6.16E-03	1.03E-03	1.03E-03	4.52E-04	4.52E-04
1364	442176.2	3769149	5.33E-03	5.33E-03	6.01E-03	6.01E-03	1.01E-03	1.01E-03	4.41E-04	4.41E-04
1365	442172.5	3769158	5.20E-03	5.20E-03	5.86E-03	5.86E-03	9.83E-04	9.83E-04	4.30E-04	4.30E-04
1366	442168.8	3769167	5.07E-03	5.07E-03	5.72E-03	5.72E-03	9.59E-04	9.59E-04	4.19E-04	4.19E-04
1367	442165.1	3769176	4.94E-03	4.94E-03	5.57E-03	5.57E-03	9.34E-04	9.34E-04	4.08E-04	4.08E-04
1368	442161.4	3769185	4.80E-03	4.80E-03	5.42E-03	5.42E-03	9.08E-04	9.08E-04	3.97E-04	3.97E-04
1369	442157.7	3769194	4.67E-03	4.67E-03	5.27E-03	5.27E-03	8.83E-04	8.83E-04	3.86E-04	3.86E-04
1370	442154	3769203	4.54E-03	4.54E-03	5.12E-03	5.12E-03	8.58E-04	8.58E-04	3.75E-04	3.75E-04
1371	442142.9	3769230	4.15E-03	4.15E-03	4.68E-03	4.68E-03	7.84E-04	7.84E-04	3.43E-04	3.43E-04
1372	442073.9	3769288	3.33E-03	3.33E-03	3.75E-03	3.75E-03	6.29E-04	6.29E-04	2.75E-04	2.75E-04
1373	442064.9	3769291	3.27E-03	3.27E-03	3.69E-03	3.69E-03	6.18E-04	6.18E-04	2.70E-04	2.70E-04
1374	442055.8	3769295	3.21E-03	3.21E-03	3.62E-03	3.62E-03	6.08E-04	6.08E-04	2.66E-04	2.66E-04
1375	442046.8	3769299	3.16E-03	3.16E-03	3.56E-03	3.56E-03	5.97E-04	5.97E-04	2.61E-04	2.61E-04
1376	442037.8	3769302	3.10E-03	3.10E-03	3.49E-03	3.49E-03	5.86E-04	5.86E-04	2.56E-04	2.56E-04
1377	442028.7	3769306	3.04E-03	3.04E-03	3.43E-03	3.43E-03	5.75E-04	5.75E-04	2.52E-04	2.52E-04
1378	441938.4	3769342	2.43E-03	2.43E-03	2.74E-03	2.74E-03	4.59E-04	4.59E-04	2.01E-04	2.01E-04
1379	441929.4	3769346	2.38E-03	2.38E-03	2.68E-03	2.68E-03	4.50E-04	4.50E-04	1.97E-04	1.97E-04
1380	441920.4	3769349	2.34E-03	2.34E-03	2.64E-03	2.64E-03	4.42E-04	4.42E-04	1.93E-04	1.93E-04
1381	441911.3	3769353	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.35E-04	4.35E-04	1.90E-04	1.90E-04
1382	441830.1	3769386	2.02E-03	2.02E-03	2.28E-03	2.28E-03	3.82E-04	3.82E-04	1.67E-04	1.67E-04
1383	441821	3769389	1.99E-03	1.99E-03	2.25E-03	2.25E-03	3.77E-04	3.77E-04	1.65E-04	1.65E-04
1384	441812	3769393	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.72E-04	3.72E-04	1.63E-04	1.63E-04

1385	441803	3769396	1.95E-03	1.95E-03	2.19E-03	2.19E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
1386	441739.7	3769422	1.81E-03	1.81E-03	2.04E-03	2.04E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
1387	441730.7	3769425	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.38E-04	3.38E-04	1.48E-04	1.48E-04
1388	441721.7	3769429	1.76E-03	1.76E-03	1.99E-03	1.99E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
1389	441712.6	3769433	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.24E-04	3.24E-04	1.42E-04	1.42E-04
1390	441703.6	3769436	1.69E-03	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.39E-04	1.39E-04
1391	441694.6	3769440	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.14E-04	3.14E-04	1.37E-04	1.37E-04
1392	441685.6	3769443	1.64E-03	1.64E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
1393	441676.5	3769447	1.61E-03	1.61E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.33E-04	1.33E-04
1394	441667.5	3769451	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.01E-04	3.01E-04	1.32E-04	1.32E-04
1395	441550.1	3769498	1.30E-03	1.30E-03	1.46E-03	1.46E-03	2.45E-04	2.45E-04	1.07E-04	1.07E-04
1396	441541	3769501	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.41E-04	2.41E-04	1.06E-04	1.06E-04
1397	441532	3769505	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.37E-04	2.37E-04	1.04E-04	1.04E-04
1398	441523	3769508	1.23E-03	1.23E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
1399	441514	3769512	1.21E-03	1.21E-03	1.37E-03	1.37E-03	2.29E-04	2.29E-04	1.00E-04	1.00E-04
1400	441504.9	3769516	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.25E-04	2.25E-04	9.86E-05	9.86E-05
1401	441495.9	3769519	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.22E-04	2.22E-04	9.70E-05	9.70E-05
1402	441486.9	3769523	1.15E-03	1.15E-03	1.30E-03	1.30E-03	2.18E-04	2.18E-04	9.54E-05	9.54E-05
1403	441502.6	3768402	1.19E-02	1.19E-02	1.34E-02	1.34E-02	2.24E-03	2.24E-03	9.80E-04	9.80E-04
1404	441518.9	3768408	1.14E-02	1.14E-02	1.29E-02	1.29E-02	2.16E-03	2.16E-03	9.43E-04	9.43E-04
1405	441447.4	3768398	1.48E-02	1.48E-02	1.67E-02	1.67E-02	2.80E-03	2.80E-03	1.22E-03	1.22E-03
1406	441438	3768398	1.54E-02	1.54E-02	1.73E-02	1.73E-02	2.91E-03	2.91E-03	1.27E-03	1.27E-03
1407	441428.6	3768398	1.60E-02	1.60E-02	1.80E-02	1.80E-02	3.02E-03	3.02E-03	1.32E-03	1.32E-03
1408	441419.2	3768398	1.66E-02	1.66E-02	1.87E-02	1.87E-02	3.13E-03	3.13E-03	1.37E-03	1.37E-03
1409	441409.8	3768398	1.70E-02	1.70E-02	1.91E-02	1.91E-02	3.21E-03	3.21E-03	1.40E-03	1.40E-03
1410	441503.1	3768382	1.05E-02	1.05E-02	1.18E-02	1.18E-02	1.98E-03	1.98E-03	8.68E-04	8.68E-04
1411	441511.7	3768385	1.04E-02	1.04E-02	1.17E-02	1.17E-02	1.96E-03	1.96E-03	8.56E-04	8.56E-04
1412	441520.3	3768389	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.92E-03	1.92E-03	8.40E-04	8.40E-04
1413	441529	3768392	9.95E-03	9.95E-03	1.12E-02	1.12E-02	1.88E-03	1.88E-03	8.23E-04	8.23E-04
1414	441537.6	3768396	9.74E-03	9.74E-03	1.10E-02	1.10E-02	1.84E-03	1.84E-03	8.06E-04	8.06E-04
1415	441546.3	3768400	9.56E-03	9.56E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.90E-04	7.90E-04
1416	441554.9	3768403	9.38E-03	9.38E-03	1.06E-02	1.06E-02	1.77E-03	1.77E-03	7.76E-04	7.76E-04
1417	441563.5	3768407	9.20E-03	9.20E-03	1.04E-02	1.04E-02	1.74E-03	1.74E-03	7.61E-04	7.61E-04
1418	441447.5	3768378	1.28E-02	1.28E-02	1.44E-02	1.44E-02	2.42E-03	2.42E-03	1.06E-03	1.06E-03
1419	441438.1	3768378	1.33E-02	1.33E-02	1.50E-02	1.50E-02	2.52E-03	2.52E-03	1.10E-03	1.10E-03
1420	441428.7	3768378	1.39E-02	1.39E-02	1.56E-02	1.56E-02	2.62E-03	2.62E-03	1.15E-03	1.15E-03
1421	441419.3	3768378	1.44E-02	1.44E-02	1.62E-02	1.62E-02	2.72E-03	2.72E-03	1.19E-03	1.19E-03
1422	441409.9	3768378	1.48E-02	1.48E-02	1.67E-02	1.67E-02	2.80E-03	2.80E-03	1.22E-03	1.22E-03
1423	441502.9	3768362	9.36E-03	9.36E-03	1.06E-02	1.06E-02	1.77E-03	1.77E-03	7.74E-04	7.74E-04
1424	441511.3	3768365	9.25E-03	9.25E-03	1.04E-02	1.04E-02	1.75E-03	1.75E-03	7.65E-04	7.65E-04
1425	441519.8	3768369	9.12E-03	9.12E-03	1.03E-02	1.03E-02	1.72E-03	1.72E-03	7.54E-04	7.54E-04
1426	441528.2	3768372	8.98E-03	8.98E-03	1.01E-02	1.01E-02	1.70E-03	1.70E-03	7.43E-04	7.43E-04
1427	441536.6	3768376	8.83E-03	8.83E-03	9.96E-03	9.96E-03	1.67E-03	1.67E-03	7.30E-04	7.30E-04
1428	441545	3768379	8.69E-03	8.69E-03	9.80E-03	9.80E-03	1.64E-03	1.64E-03	7.19E-04	7.19E-04
1429	441553.4	3768383	8.55E-03	8.55E-03	9.64E-03	9.64E-03	1.62E-03	1.62E-03	7.07E-04	7.07E-04
1430	441561.9	3768386	8.41E-03	8.41E-03	9.47E-03	9.47E-03	1.59E-03	1.59E-03	6.95E-04	6.95E-04
1431	441570.3	3768390	8.25E-03	8.25E-03	9.30E-03	9.30E-03	1.56E-03	1.56E-03	6.82E-04	6.82E-04
1432	441578.7	3768393	8.13E-03	8.13E-03	9.16E-03	9.16E-03	1.54E-03	1.54E-03	6.72E-04	6.72E-04
1433	441587.1	3768397	8.00E-03	8.00E-03	9.02E-03	9.02E-03	1.51E-03	1.51E-03	6.61E-04	6.61E-04
1434	441595.6	3768400	7.87E-03	7.87E-03	8.87E-03	8.87E-03	1.49E-03	1.49E-03	6.50E-04	6.50E-04
1435	441604	3768403	7.72E-03	7.72E-03	8.71E-03	8.71E-03	1.46E-03	1.46E-03	6.39E-04	6.39E-04
1436	441612.4	3768407	7.58E-03	7.58E-03	8.55E-03	8.55E-03	1.43E-03	1.43E-03	6.27E-04	6.27E-04
1437	441447.5	3768358	1.13E-02	1.13E-02	1.27E-02	1.27E-02	2.13E-03	2.13E-03	9.30E-04	9.30E-04
1438	441438.1	3768358	1.17E-02	1.17E-02	1.32E-02	1.32E-02	2.21E-03	2.21E-03	9.68E-04	9.68E-04
1439	441428.8	3768358	1.22E-02	1.22E-02	1.37E-02	1.37E-02	2.30E-03	2.30E-03	1.01E-03	1.01E-03
1440	441419.4	3768358	1.26E-02	1.26E-02	1.42E-02	1.42E-02	2.39E-03	2.39E-03	1.04E-03	1.04E-03
1441	441410	3768358	1.30E-02	1.30E-02	1.47E-02	1.47E-02	2.46E-03	2.46E-03	1.07E-03	1.07E-03
1442	441502.8	3768342	8.52E-03	8.52E-03	9.60E-03	9.60E-03	1.61E-03	1.61E-03	7.04E-04	7.04E-04
1443	441519.3	3768348	8.29E-03	8.29E-03	9.35E-03	9.35E-03	1.57E-03	1.57E-03	6.86E-04	6.86E-04
1444	441535.8	3768355	8.05E-03	8.05E-03	9.07E-03	9.07E-03	1.52E-03	1.52E-03	6.66E-04	6.66E-04
1445	441552.4	3768362	7.85E-03	7.85E-03	8.85E-03	8.85E-03	1.48E-03	1.48E-03	6.49E-04	6.49E-04
1446	441568.9	3768369	7.63E-03	7.63E-03	8.60E-03	8.60E-03	1.44E-03	1.44E-03	6.31E-04	6.31E-04
1447	441585.4	3768376	7.39E-03	7.39E-03	8.33E-03	8.33E-03	1.40E-03	1.40E-03	6.11E-04	6.11E-04
1448	441601.9	3768383	7.17E-03	7.17E-03	8.08E-03	8.08E-03	1.35E-03	1.35E-03	5.93E-04	5.93E-04
1449	441618.4	3768389	6.93E-03	6.93E-03	7.81E-03	7.81E-03	1.31E-03	1.31E-03	5.73E-04	5.73E-04
1450	441638.4	3768405	6.82E-03	6.82E-03	7.69E-03	7.69E-03	1.29E-03	1.29E-03	5.64E-04	5.64E-04
1451	441447.6	3768338	1.01E-02	1.01E-02	1.14E-02	1.14E-02	1.91E-03	1.91E-03	8.37E-04	8.37E-04
1452	441438.2	3768338	1.05E-02	1.05E-02	1.18E-02	1.18E-02	1.99E-03	1.99E-03	8.69E-04	8.69E-04
1453	441428.8	3768338	1.09E-02	1.09E-02	1.23E-02	1.23E-02	2.06E-03	2.06E-03	9.00E-04	9.00E-04
1454	441419.4	3768338	1.13E-02	1.13E-02	1.27E-02	1.27E-02	2.13E-03	2.13E-03	9.33E-04	9.33E-04
1455	441410	3768338	1.16E-02	1.16E-02	1.31E-02	1.31E-02	2.19E-03	2.19E-03	9.58E-04	9.58E-04
1456	441503.2	3768322	7.76E-03	7.76E-03	8.75E-03	8.75E-03	1.47E-03	1.47E-03	6.42E-04	6.42E-04
1457	441511.8	3768325	7.69E-03	7.69E-03	8.67E-03	8.67E-03	1.45E-03	1.45E-03	6.36E-04	6.36E-04

1458	441520.4	3768329	7.59E-03	7.59E-03	8.55E-03	8.55E-03	1.43E-03	1.43E-03	6.27E-04	6.27E-04
1459	441528.9	3768332	7.47E-03	7.47E-03	8.42E-03	8.42E-03	1.41E-03	1.41E-03	6.18E-04	6.18E-04
1460	441537.5	3768336	7.35E-03	7.35E-03	8.29E-03	8.29E-03	1.39E-03	1.39E-03	6.08E-04	6.08E-04
1461	441546.1	3768339	7.26E-03	7.26E-03	8.19E-03	8.19E-03	1.37E-03	1.37E-03	6.01E-04	6.01E-04
1462	441554.7	3768343	7.18E-03	7.18E-03	8.10E-03	8.10E-03	1.36E-03	1.36E-03	5.94E-04	5.94E-04
1463	441563.2	3768347	7.10E-03	7.10E-03	8.00E-03	8.00E-03	1.34E-03	1.34E-03	5.87E-04	5.87E-04
1464	441571.8	3768350	7.01E-03	7.01E-03	7.90E-03	7.90E-03	1.33E-03	1.33E-03	5.80E-04	5.80E-04
1465	441580.4	3768354	6.90E-03	6.90E-03	7.78E-03	7.78E-03	1.31E-03	1.31E-03	5.71E-04	5.71E-04
1466	441589	3768357	6.79E-03	6.79E-03	7.66E-03	7.66E-03	1.28E-03	1.28E-03	5.62E-04	5.62E-04
1467	441597.6	3768361	6.68E-03	6.68E-03	7.53E-03	7.53E-03	1.26E-03	1.26E-03	5.52E-04	5.52E-04
1468	441606.1	3768364	6.58E-03	6.58E-03	7.42E-03	7.42E-03	1.24E-03	1.24E-03	5.44E-04	5.44E-04
1469	441614.7	3768368	6.48E-03	6.48E-03	7.30E-03	7.30E-03	1.23E-03	1.23E-03	5.36E-04	5.36E-04
1470	441623.3	3768371	6.38E-03	6.38E-03	7.19E-03	7.19E-03	1.21E-03	1.21E-03	5.27E-04	5.27E-04
1471	441631.9	3768375	6.27E-03	6.27E-03	7.07E-03	7.07E-03	1.19E-03	1.19E-03	5.19E-04	5.19E-04
1472	441640.4	3768379	6.16E-03	6.16E-03	6.94E-03	6.94E-03	1.16E-03	1.16E-03	5.09E-04	5.09E-04
1473	441652.6	3768391	6.17E-03	6.17E-03	6.95E-03	6.95E-03	1.17E-03	1.17E-03	5.10E-04	5.10E-04
1474	441656.2	3768399	6.28E-03	6.28E-03	7.08E-03	7.08E-03	1.19E-03	1.19E-03	5.19E-04	5.19E-04
1475	441659.8	3768408	6.41E-03	6.41E-03	7.22E-03	7.22E-03	1.21E-03	1.21E-03	5.30E-04	5.30E-04
1476	441447.7	3768318	9.13E-03	9.13E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.55E-04	7.55E-04
1477	441438.3	3768318	9.46E-03	9.46E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.82E-04	7.82E-04
1478	441428.9	3768318	9.79E-03	9.79E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.09E-04	8.09E-04
1479	441419.5	3768318	1.01E-02	1.01E-02	1.14E-02	1.14E-02	1.91E-03	1.91E-03	8.36E-04	8.36E-04
1480	441410.1	3768318	1.04E-02	1.04E-02	1.17E-02	1.17E-02	1.96E-03	1.96E-03	8.58E-04	8.58E-04
1481	441503.1	3768302	7.07E-03	7.07E-03	7.97E-03	7.97E-03	1.34E-03	1.34E-03	5.85E-04	5.85E-04
1482	441511.5	3768305	7.01E-03	7.01E-03	7.90E-03	7.90E-03	1.32E-03	1.32E-03	5.79E-04	5.79E-04
1483	441520	3768309	6.94E-03	6.94E-03	7.82E-03	7.82E-03	1.31E-03	1.31E-03	5.73E-04	5.73E-04
1484	441528.4	3768312	6.86E-03	6.86E-03	7.73E-03	7.73E-03	1.30E-03	1.30E-03	5.67E-04	5.67E-04
1485	441536.8	3768316	6.77E-03	6.77E-03	7.63E-03	7.63E-03	1.28E-03	1.28E-03	5.60E-04	5.60E-04
1486	441545.2	3768319	6.70E-03	6.70E-03	7.55E-03	7.55E-03	1.27E-03	1.27E-03	5.54E-04	5.54E-04
1487	441553.6	3768323	6.63E-03	6.63E-03	7.48E-03	7.48E-03	1.25E-03	1.25E-03	5.48E-04	5.48E-04
1488	441562.1	3768326	6.56E-03	6.56E-03	7.40E-03	7.40E-03	1.24E-03	1.24E-03	5.43E-04	5.43E-04
1489	441570.5	3768330	6.49E-03	6.49E-03	7.32E-03	7.32E-03	1.23E-03	1.23E-03	5.37E-04	5.37E-04
1490	441578.9	3768333	6.42E-03	6.42E-03	7.23E-03	7.23E-03	1.21E-03	1.21E-03	5.31E-04	5.31E-04
1491	441587.3	3768337	6.34E-03	6.34E-03	7.14E-03	7.14E-03	1.20E-03	1.20E-03	5.24E-04	5.24E-04
1492	441595.7	3768340	6.25E-03	6.25E-03	7.04E-03	7.04E-03	1.18E-03	1.18E-03	5.17E-04	5.17E-04
1493	441604.2	3768343	6.16E-03	6.16E-03	6.94E-03	6.94E-03	1.16E-03	1.16E-03	5.09E-04	5.09E-04
1494	441612.6	3768347	6.06E-03	6.06E-03	6.84E-03	6.84E-03	1.15E-03	1.15E-03	5.01E-04	5.01E-04
1495	441621	3768350	5.98E-03	5.98E-03	6.74E-03	6.74E-03	1.13E-03	1.13E-03	4.94E-04	4.94E-04
1496	441629.4	3768354	5.89E-03	5.89E-03	6.64E-03	6.64E-03	1.11E-03	1.11E-03	4.87E-04	4.87E-04
1497	441637.9	3768357	5.79E-03	5.79E-03	6.52E-03	6.52E-03	1.09E-03	1.09E-03	4.78E-04	4.78E-04
1498	441646.3	3768361	5.68E-03	5.68E-03	6.40E-03	6.40E-03	1.07E-03	1.07E-03	4.70E-04	4.70E-04
1499	441654.7	3768364	5.58E-03	5.58E-03	6.29E-03	6.29E-03	1.05E-03	1.05E-03	4.61E-04	4.61E-04
1500	441494.7	3768298	7.14E-03	7.14E-03	8.05E-03	8.05E-03	1.35E-03	1.35E-03	5.90E-04	5.90E-04
1501	441485.3	3768298	7.34E-03	7.34E-03	8.27E-03	8.27E-03	1.39E-03	1.39E-03	6.07E-04	6.07E-04
1502	441475.9	3768298	7.56E-03	7.56E-03	8.52E-03	8.52E-03	1.43E-03	1.43E-03	6.25E-04	6.25E-04
1503	441466.5	3768298	7.79E-03	7.79E-03	8.78E-03	8.78E-03	1.47E-03	1.47E-03	6.44E-04	6.44E-04
1504	441457.1	3768298	8.03E-03	8.03E-03	9.05E-03	9.05E-03	1.52E-03	1.52E-03	6.64E-04	6.64E-04
1505	441447.7	3768298	8.29E-03	8.29E-03	9.34E-03	9.34E-03	1.57E-03	1.57E-03	6.85E-04	6.85E-04
1506	441438.3	3768298	8.56E-03	8.56E-03	9.65E-03	9.65E-03	1.62E-03	1.62E-03	7.08E-04	7.08E-04
1507	441428.9	3768298	8.84E-03	8.84E-03	9.96E-03	9.96E-03	1.67E-03	1.67E-03	7.31E-04	7.31E-04
1508	441419.6	3768298	9.12E-03	9.12E-03	1.03E-02	1.03E-02	1.72E-03	1.72E-03	7.54E-04	7.54E-04
1509	441410.2	3768298	9.35E-03	9.35E-03	1.05E-02	1.05E-02	1.77E-03	1.77E-03	7.73E-04	7.73E-04
1510	441503	3768282	6.51E-03	6.51E-03	7.34E-03	7.34E-03	1.23E-03	1.23E-03	5.39E-04	5.39E-04
1511	441511.3	3768285	6.45E-03	6.45E-03	7.26E-03	7.26E-03	1.22E-03	1.22E-03	5.33E-04	5.33E-04
1512	441527.9	3768292	6.33E-03	6.33E-03	7.13E-03	7.13E-03	1.20E-03	1.20E-03	5.23E-04	5.23E-04
1513	441544.5	3768299	6.20E-03	6.20E-03	6.99E-03	6.99E-03	1.17E-03	1.17E-03	5.12E-04	5.12E-04
1514	441552.8	3768302	6.14E-03	6.14E-03	6.92E-03	6.92E-03	1.16E-03	1.16E-03	5.08E-04	5.08E-04
1515	441569.4	3768309	6.03E-03	6.03E-03	6.80E-03	6.80E-03	1.14E-03	1.14E-03	4.99E-04	4.99E-04
1516	441586	3768316	5.91E-03	5.91E-03	6.66E-03	6.66E-03	1.12E-03	1.12E-03	4.88E-04	4.88E-04
1517	441602.6	3768323	5.77E-03	5.77E-03	6.50E-03	6.50E-03	1.09E-03	1.09E-03	4.77E-04	4.77E-04
1518	441610.9	3768326	5.69E-03	5.69E-03	6.41E-03	6.41E-03	1.08E-03	1.08E-03	4.70E-04	4.70E-04
1519	441627.5	3768333	5.52E-03	5.52E-03	6.22E-03	6.22E-03	1.04E-03	1.04E-03	4.57E-04	4.57E-04
1520	441635.7	3768337	5.43E-03	5.43E-03	6.12E-03	6.12E-03	1.03E-03	1.03E-03	4.49E-04	4.49E-04
1521	441652.3	3768343	5.25E-03	5.25E-03	5.91E-03	5.91E-03	9.92E-04	9.92E-04	4.34E-04	4.34E-04
1522	441694.6	3768395	5.41E-03	5.41E-03	6.10E-03	6.10E-03	1.02E-03	1.02E-03	4.48E-04	4.48E-04
1523	441485.4	3768278	6.77E-03	6.77E-03	7.64E-03	7.64E-03	1.28E-03	1.28E-03	5.60E-04	5.60E-04
1524	441476	3768278	6.98E-03	6.98E-03	7.86E-03	7.86E-03	1.32E-03	1.32E-03	5.77E-04	5.77E-04
1525	441466.6	3768278	7.20E-03	7.20E-03	8.11E-03	8.11E-03	1.36E-03	1.36E-03	5.95E-04	5.95E-04
1526	441457.2	3768278	7.42E-03	7.42E-03	8.36E-03	8.36E-03	1.40E-03	1.40E-03	6.13E-04	6.13E-04
1527	441447.8	3768278	7.65E-03	7.65E-03	8.62E-03	8.62E-03	1.45E-03	1.45E-03	6.32E-04	6.32E-04
1528	441438.4	3768278	7.87E-03	7.87E-03	8.87E-03	8.87E-03	1.49E-03	1.49E-03	6.51E-04	6.51E-04
1529	441429	3768278	8.10E-03	8.10E-03	9.12E-03	9.12E-03	1.53E-03	1.53E-03	6.69E-04	6.69E-04
1530	441419.6	3768278	8.32E-03	8.32E-03	9.38E-03	9.38E-03	1.57E-03	1.57E-03	6.88E-04	6.88E-04

1531	441410.2	3768278	8.50E-03	8.50E-03	9.59E-03	9.59E-03	1.61E-03	1.61E-03	7.03E-04	7.03E-04
1532	441503.4	3768262	6.03E-03	6.03E-03	6.80E-03	6.80E-03	1.14E-03	1.14E-03	4.99E-04	4.99E-04
1533	441511.9	3768265	5.97E-03	5.97E-03	6.73E-03	6.73E-03	1.13E-03	1.13E-03	4.93E-04	4.93E-04
1534	441520.4	3768269	5.92E-03	5.92E-03	6.68E-03	6.68E-03	1.12E-03	1.12E-03	4.90E-04	4.90E-04
1535	441529	3768272	5.88E-03	5.88E-03	6.62E-03	6.62E-03	1.11E-03	1.11E-03	4.86E-04	4.86E-04
1536	441537.5	3768276	5.83E-03	5.83E-03	6.57E-03	6.57E-03	1.10E-03	1.10E-03	4.82E-04	4.82E-04
1537	441546.1	3768279	5.78E-03	5.78E-03	6.52E-03	6.52E-03	1.09E-03	1.09E-03	4.78E-04	4.78E-04
1538	441554.6	3768283	5.74E-03	5.74E-03	6.47E-03	6.47E-03	1.08E-03	1.08E-03	4.74E-04	4.74E-04
1539	441563.2	3768286	5.69E-03	5.69E-03	6.41E-03	6.41E-03	1.07E-03	1.07E-03	4.70E-04	4.70E-04
1540	441571.7	3768290	5.63E-03	5.63E-03	6.34E-03	6.34E-03	1.06E-03	1.06E-03	4.65E-04	4.65E-04
1541	441580.3	3768294	5.56E-03	5.56E-03	6.27E-03	6.27E-03	1.05E-03	1.05E-03	4.60E-04	4.60E-04
1542	441588.8	3768297	5.49E-03	5.49E-03	6.19E-03	6.19E-03	1.04E-03	1.04E-03	4.54E-04	4.54E-04
1543	441597.3	3768301	5.43E-03	5.43E-03	6.12E-03	6.12E-03	1.03E-03	1.03E-03	4.49E-04	4.49E-04
1544	441605.9	3768304	5.36E-03	5.36E-03	6.04E-03	6.04E-03	1.01E-03	1.01E-03	4.43E-04	4.43E-04
1545	441614.4	3768308	5.29E-03	5.29E-03	5.96E-03	5.96E-03	9.99E-04	9.99E-04	4.37E-04	4.37E-04
1546	441623	3768311	5.21E-03	5.21E-03	5.88E-03	5.88E-03	9.85E-04	9.85E-04	4.31E-04	4.31E-04
1547	441631.5	3768315	5.14E-03	5.14E-03	5.79E-03	5.79E-03	9.71E-04	9.71E-04	4.25E-04	4.25E-04
1548	441640.1	3768318	5.05E-03	5.05E-03	5.69E-03	5.69E-03	9.54E-04	9.54E-04	4.17E-04	4.17E-04
1549	441648.6	3768322	4.96E-03	4.96E-03	5.59E-03	5.59E-03	9.38E-04	9.38E-04	4.10E-04	4.10E-04
1550	441657.1	3768325	4.88E-03	4.88E-03	5.50E-03	5.50E-03	9.22E-04	9.22E-04	4.03E-04	4.03E-04
1551	441665.7	3768329	4.80E-03	4.80E-03	5.40E-03	5.40E-03	9.06E-04	9.06E-04	3.96E-04	3.96E-04
1552	441694.9	3768348	4.59E-03	4.59E-03	5.18E-03	5.18E-03	8.68E-04	8.68E-04	3.80E-04	3.80E-04
1553	441698.5	3768357	4.64E-03	4.64E-03	5.23E-03	5.23E-03	8.77E-04	8.77E-04	3.84E-04	3.84E-04
1554	441702.1	3768365	4.71E-03	4.71E-03	5.31E-03	5.31E-03	8.90E-04	8.90E-04	3.89E-04	3.89E-04
1555	441705.7	3768374	4.79E-03	4.79E-03	5.40E-03	5.40E-03	9.06E-04	9.06E-04	3.96E-04	3.96E-04
1556	441709.3	3768382	4.88E-03	4.88E-03	5.50E-03	5.50E-03	9.23E-04	9.23E-04	4.04E-04	4.04E-04
1557	441712.9	3768391	4.98E-03	4.98E-03	5.61E-03	5.61E-03	9.41E-04	9.41E-04	4.12E-04	4.12E-04
1558	441494.8	3768258	6.10E-03	6.10E-03	6.88E-03	6.88E-03	1.15E-03	1.15E-03	5.04E-04	5.04E-04
1559	441485.4	3768258	6.26E-03	6.26E-03	7.06E-03	7.06E-03	1.18E-03	1.18E-03	5.18E-04	5.18E-04
1560	441476	3768258	6.44E-03	6.44E-03	7.26E-03	7.26E-03	1.22E-03	1.22E-03	5.33E-04	5.33E-04
1561	441466.6	3768258	6.65E-03	6.65E-03	7.49E-03	7.49E-03	1.26E-03	1.26E-03	5.49E-04	5.49E-04
1562	441457.3	3768258	6.85E-03	6.85E-03	7.72E-03	7.72E-03	1.30E-03	1.30E-03	5.67E-04	5.67E-04
1563	441447.9	3768258	7.06E-03	7.06E-03	7.96E-03	7.96E-03	1.33E-03	1.33E-03	5.84E-04	5.84E-04
1564	441438.5	3768258	7.25E-03	7.25E-03	8.17E-03	8.17E-03	1.37E-03	1.37E-03	5.99E-04	5.99E-04
1565	441429.1	3768258	7.44E-03	7.44E-03	8.39E-03	8.39E-03	1.41E-03	1.41E-03	6.15E-04	6.15E-04
1566	441419.7	3768258	7.63E-03	7.63E-03	8.60E-03	8.60E-03	1.44E-03	1.44E-03	6.31E-04	6.31E-04
1567	441410.3	3768258	7.78E-03	7.78E-03	8.77E-03	8.77E-03	1.47E-03	1.47E-03	6.43E-04	6.43E-04
1568	441503.3	3768242	5.62E-03	5.62E-03	6.34E-03	6.34E-03	1.06E-03	1.06E-03	4.65E-04	4.65E-04
1569	441511.7	3768245	5.58E-03	5.58E-03	6.29E-03	6.29E-03	1.05E-03	1.05E-03	4.61E-04	4.61E-04
1570	441520.1	3768249	5.55E-03	5.55E-03	6.25E-03	6.25E-03	1.05E-03	1.05E-03	4.59E-04	4.59E-04
1571	441528.6	3768252	5.51E-03	5.51E-03	6.22E-03	6.22E-03	1.04E-03	1.04E-03	4.56E-04	4.56E-04
1572	441537	3768256	5.48E-03	5.48E-03	6.17E-03	6.17E-03	1.04E-03	1.04E-03	4.53E-04	4.53E-04
1573	441545.4	3768259	5.43E-03	5.43E-03	6.13E-03	6.13E-03	1.03E-03	1.03E-03	4.49E-04	4.49E-04
1574	441553.8	3768263	5.40E-03	5.40E-03	6.08E-03	6.08E-03	1.02E-03	1.02E-03	4.46E-04	4.46E-04
1575	441562.3	3768266	5.36E-03	5.36E-03	6.04E-03	6.04E-03	1.01E-03	1.01E-03	4.43E-04	4.43E-04
1576	441570.7	3768270	5.32E-03	5.32E-03	5.99E-03	5.99E-03	1.00E-03	1.00E-03	4.39E-04	4.39E-04
1577	441579.1	3768273	5.25E-03	5.25E-03	5.92E-03	5.92E-03	9.92E-04	9.92E-04	4.34E-04	4.34E-04
1578	441587.5	3768277	5.18E-03	5.18E-03	5.84E-03	5.84E-03	9.80E-04	9.80E-04	4.29E-04	4.29E-04
1579	441595.9	3768280	5.12E-03	5.12E-03	5.77E-03	5.77E-03	9.68E-04	9.68E-04	4.23E-04	4.23E-04
1580	441604.4	3768283	5.05E-03	5.05E-03	5.69E-03	5.69E-03	9.55E-04	9.55E-04	4.18E-04	4.18E-04
1581	441612.8	3768287	4.98E-03	4.98E-03	5.61E-03	5.61E-03	9.41E-04	9.41E-04	4.12E-04	4.12E-04
1582	441621.2	3768290	4.91E-03	4.91E-03	5.53E-03	5.53E-03	9.28E-04	9.28E-04	4.06E-04	4.06E-04
1583	441629.6	3768294	4.84E-03	4.84E-03	5.46E-03	5.46E-03	9.15E-04	9.15E-04	4.00E-04	4.00E-04
1584	441638	3768297	4.77E-03	4.77E-03	5.37E-03	5.37E-03	9.01E-04	9.01E-04	3.94E-04	3.94E-04
1585	441646.5	3768301	4.69E-03	4.69E-03	5.29E-03	5.29E-03	8.86E-04	8.86E-04	3.88E-04	3.88E-04
1586	441654.9	3768304	4.61E-03	4.61E-03	5.20E-03	5.20E-03	8.72E-04	8.72E-04	3.82E-04	3.82E-04
1587	441663.3	3768308	4.54E-03	4.54E-03	5.12E-03	5.12E-03	8.58E-04	8.58E-04	3.75E-04	3.75E-04
1588	441697	3768322	4.25E-03	4.25E-03	4.79E-03	4.79E-03	8.03E-04	8.03E-04	3.51E-04	3.51E-04
1589	441709	3768334	4.21E-03	4.21E-03	4.75E-03	4.75E-03	7.97E-04	7.97E-04	3.48E-04	3.48E-04
1590	441712.5	3768342	4.25E-03	4.25E-03	4.79E-03	4.79E-03	8.04E-04	8.04E-04	3.51E-04	3.51E-04
1591	441719.6	3768359	4.32E-03	4.32E-03	4.87E-03	4.87E-03	8.17E-04	8.17E-04	3.58E-04	3.58E-04
1592	441726.7	3768376	4.50E-03	4.50E-03	5.08E-03	5.08E-03	8.51E-04	8.51E-04	3.72E-04	3.72E-04
1593	441730.2	3768384	4.60E-03	4.60E-03	5.19E-03	5.19E-03	8.70E-04	8.70E-04	3.81E-04	3.81E-04
1594	441779.8	3768502	7.28E-03	7.28E-03	8.21E-03	8.21E-03	1.38E-03	1.38E-03	6.02E-04	6.02E-04
1595	441783.3	3768510	7.58E-03	7.58E-03	8.55E-03	8.55E-03	1.43E-03	1.43E-03	6.27E-04	6.27E-04
1596	441494.9	3768238	5.68E-03	5.68E-03	6.40E-03	6.40E-03	1.07E-03	1.07E-03	4.69E-04	4.69E-04
1597	441485.5	3768238	5.81E-03	5.81E-03	6.55E-03	6.55E-03	1.10E-03	1.10E-03	4.80E-04	4.80E-04
1598	441476.1	3768238	5.97E-03	5.97E-03	6.72E-03	6.72E-03	1.13E-03	1.13E-03	4.93E-04	4.93E-04
1599	441466.7	3768238	6.15E-03	6.15E-03	6.94E-03	6.94E-03	1.16E-03	1.16E-03	5.09E-04	5.09E-04
1600	441457.3	3768238	6.35E-03	6.35E-03	7.15E-03	7.15E-03	1.20E-03	1.20E-03	5.25E-04	5.25E-04
1601	441447.9	3768238	6.54E-03	6.54E-03	7.37E-03	7.37E-03	1.24E-03	1.24E-03	5.40E-04	5.40E-04
1602	441438.5	3768238	6.70E-03	6.70E-03	7.55E-03	7.55E-03	1.27E-03	1.27E-03	5.54E-04	5.54E-04
1603	441429.1	3768238	6.87E-03	6.87E-03	7.74E-03	7.74E-03	1.30E-03	1.30E-03	5.68E-04	5.68E-04

1604	441419.7	3768238	7.03E-03	7.03E-03	7.93E-03	7.93E-03	1.33E-03	1.33E-03	5.81E-04	5.81E-04
1605	441410.4	3768238	7.15E-03	7.15E-03	8.06E-03	8.06E-03	1.35E-03	1.35E-03	5.91E-04	5.91E-04
1606	441503.5	3768202	4.95E-03	4.95E-03	5.58E-03	5.58E-03	9.36E-04	9.36E-04	4.09E-04	4.09E-04
1607	441512.1	3768205	4.90E-03	4.90E-03	5.52E-03	5.52E-03	9.26E-04	9.26E-04	4.05E-04	4.05E-04
1608	441520.6	3768209	4.87E-03	4.87E-03	5.49E-03	5.49E-03	9.20E-04	9.20E-04	4.03E-04	4.03E-04
1609	441529.1	3768212	4.84E-03	4.84E-03	5.46E-03	5.46E-03	9.15E-04	9.15E-04	4.00E-04	4.00E-04
1610	441537.6	3768216	4.81E-03	4.81E-03	5.43E-03	5.43E-03	9.10E-04	9.10E-04	3.98E-04	3.98E-04
1611	441546.1	3768219	4.79E-03	4.79E-03	5.40E-03	5.40E-03	9.06E-04	9.06E-04	3.96E-04	3.96E-04
1612	441554.7	3768223	4.77E-03	4.77E-03	5.37E-03	5.37E-03	9.01E-04	9.01E-04	3.94E-04	3.94E-04
1613	441563.2	3768226	4.74E-03	4.74E-03	5.34E-03	5.34E-03	8.96E-04	8.96E-04	3.92E-04	3.92E-04
1614	441571.7	3768230	4.70E-03	4.70E-03	5.30E-03	5.30E-03	8.89E-04	8.89E-04	3.89E-04	3.89E-04
1615	441580.2	3768233	4.66E-03	4.66E-03	5.25E-03	5.25E-03	8.80E-04	8.80E-04	3.85E-04	3.85E-04
1616	441588.7	3768237	4.61E-03	4.61E-03	5.19E-03	5.19E-03	8.71E-04	8.71E-04	3.81E-04	3.81E-04
1617	441597.3	3768241	4.55E-03	4.55E-03	5.13E-03	5.13E-03	8.61E-04	8.61E-04	3.76E-04	3.76E-04
1618	441605.8	3768244	4.49E-03	4.49E-03	5.06E-03	5.06E-03	8.49E-04	8.49E-04	3.72E-04	3.72E-04
1619	441614.3	3768248	4.43E-03	4.43E-03	4.99E-03	4.99E-03	8.37E-04	8.37E-04	3.66E-04	3.66E-04
1620	441622.8	3768251	4.37E-03	4.37E-03	4.92E-03	4.92E-03	8.26E-04	8.26E-04	3.61E-04	3.61E-04
1621	441631.4	3768255	4.30E-03	4.30E-03	4.85E-03	4.85E-03	8.13E-04	8.13E-04	3.56E-04	3.56E-04
1622	441639.9	3768258	4.24E-03	4.24E-03	4.78E-03	4.78E-03	8.02E-04	8.02E-04	3.51E-04	3.51E-04
1623	441648.4	3768262	4.18E-03	4.18E-03	4.71E-03	4.71E-03	7.90E-04	7.90E-04	3.45E-04	3.45E-04
1624	441656.9	3768265	4.11E-03	4.11E-03	4.64E-03	4.64E-03	7.77E-04	7.77E-04	3.40E-04	3.40E-04
1625	441665.4	3768269	4.05E-03	4.05E-03	4.56E-03	4.56E-03	7.65E-04	7.65E-04	3.35E-04	3.35E-04
1626	441691	3768279	3.88E-03	3.88E-03	4.37E-03	4.37E-03	7.33E-04	7.33E-04	3.21E-04	3.21E-04
1627	441699.5	3768283	3.82E-03	3.82E-03	4.30E-03	4.30E-03	7.21E-04	7.21E-04	3.15E-04	3.15E-04
1628	441708	3768286	3.75E-03	3.75E-03	4.23E-03	4.23E-03	7.09E-04	7.09E-04	3.10E-04	3.10E-04
1629	441716.6	3768290	3.69E-03	3.69E-03	4.16E-03	4.16E-03	6.98E-04	6.98E-04	3.05E-04	3.05E-04
1630	441725.1	3768293	3.64E-03	3.64E-03	4.11E-03	4.11E-03	6.89E-04	6.89E-04	3.01E-04	3.01E-04
1631	441737.2	3768305	3.64E-03	3.64E-03	4.11E-03	4.11E-03	6.89E-04	6.89E-04	3.01E-04	3.01E-04
1632	441740.8	3768314	3.69E-03	3.69E-03	4.16E-03	4.16E-03	6.97E-04	6.97E-04	3.05E-04	3.05E-04
1633	441744.4	3768322	3.74E-03	3.74E-03	4.21E-03	4.21E-03	7.06E-04	7.06E-04	3.09E-04	3.09E-04
1634	441747.9	3768331	3.78E-03	3.78E-03	4.27E-03	4.27E-03	7.15E-04	7.15E-04	3.13E-04	3.13E-04
1635	441751.5	3768339	3.83E-03	3.83E-03	4.31E-03	4.31E-03	7.23E-04	7.23E-04	3.16E-04	3.16E-04
1636	441755.1	3768348	3.87E-03	3.87E-03	4.36E-03	4.36E-03	7.32E-04	7.32E-04	3.20E-04	3.20E-04
1637	441758.7	3768356	3.92E-03	3.92E-03	4.42E-03	4.42E-03	7.41E-04	7.41E-04	3.24E-04	3.24E-04
1638	441762.3	3768365	3.99E-03	3.99E-03	4.49E-03	4.49E-03	7.53E-04	7.53E-04	3.30E-04	3.30E-04
1639	441765.9	3768373	4.06E-03	4.06E-03	4.58E-03	4.58E-03	7.68E-04	7.68E-04	3.36E-04	3.36E-04
1640	441769.4	3768382	4.15E-03	4.15E-03	4.67E-03	4.67E-03	7.84E-04	7.84E-04	3.43E-04	3.43E-04
1641	441773	3768390	4.24E-03	4.24E-03	4.78E-03	4.78E-03	8.02E-04	8.02E-04	3.51E-04	3.51E-04
1642	441798.1	3768450	5.23E-03	5.23E-03	5.90E-03	5.90E-03	9.89E-04	9.89E-04	4.32E-04	4.32E-04
1643	441801.7	3768458	5.40E-03	5.40E-03	6.09E-03	6.09E-03	1.02E-03	1.02E-03	4.47E-04	4.47E-04
1644	441805.3	3768467	5.59E-03	5.59E-03	6.30E-03	6.30E-03	1.06E-03	1.06E-03	4.62E-04	4.62E-04
1645	441808.8	3768475	5.79E-03	5.79E-03	6.53E-03	6.53E-03	1.09E-03	1.09E-03	4.79E-04	4.79E-04
1646	441812.4	3768484	6.01E-03	6.01E-03	6.77E-03	6.77E-03	1.14E-03	1.14E-03	4.97E-04	4.97E-04
1647	441816	3768492	6.25E-03	6.25E-03	7.04E-03	7.04E-03	1.18E-03	1.18E-03	5.17E-04	5.17E-04
1648	441819.6	3768501	6.50E-03	6.50E-03	7.33E-03	7.33E-03	1.23E-03	1.23E-03	5.37E-04	5.37E-04
1649	441823.2	3768509	6.77E-03	6.77E-03	7.63E-03	7.63E-03	1.28E-03	1.28E-03	5.60E-04	5.60E-04
1650	441826.7	3768518	7.06E-03	7.06E-03	7.96E-03	7.96E-03	1.33E-03	1.33E-03	5.84E-04	5.84E-04
1651	441495	3768198	5.01E-03	5.01E-03	5.64E-03	5.64E-03	9.47E-04	9.47E-04	4.14E-04	4.14E-04
1652	441485.6	3768198	5.13E-03	5.13E-03	5.79E-03	5.79E-03	9.70E-04	9.70E-04	4.24E-04	4.24E-04
1653	441476.2	3768198	5.26E-03	5.26E-03	5.93E-03	5.93E-03	9.95E-04	9.95E-04	4.35E-04	4.35E-04
1654	441466.8	3768198	5.39E-03	5.39E-03	6.08E-03	6.08E-03	1.02E-03	1.02E-03	4.46E-04	4.46E-04
1655	441457.4	3768198	5.53E-03	5.53E-03	6.23E-03	6.23E-03	1.04E-03	1.04E-03	4.57E-04	4.57E-04
1656	441448	3768198	5.65E-03	5.65E-03	6.37E-03	6.37E-03	1.07E-03	1.07E-03	4.68E-04	4.68E-04
1657	441438.7	3768198	5.76E-03	5.76E-03	6.49E-03	6.49E-03	1.09E-03	1.09E-03	4.76E-04	4.76E-04
1658	441429.3	3768198	5.86E-03	5.86E-03	6.61E-03	6.61E-03	1.11E-03	1.11E-03	4.85E-04	4.85E-04
1659	441419.9	3768198	5.97E-03	5.97E-03	6.73E-03	6.73E-03	1.13E-03	1.13E-03	4.93E-04	4.93E-04
1660	441410.5	3768198	6.07E-03	6.07E-03	6.84E-03	6.84E-03	1.15E-03	1.15E-03	5.02E-04	5.02E-04
1661	441503.7	3768162	4.36E-03	4.36E-03	4.92E-03	4.92E-03	8.24E-04	8.24E-04	3.61E-04	3.61E-04
1662	441512.3	3768165	4.32E-03	4.32E-03	4.87E-03	4.87E-03	8.17E-04	8.17E-04	3.57E-04	3.57E-04
1663	441520.9	3768169	4.28E-03	4.28E-03	4.83E-03	4.83E-03	8.09E-04	8.09E-04	3.54E-04	3.54E-04
1664	441529.5	3768172	4.24E-03	4.24E-03	4.78E-03	4.78E-03	8.02E-04	8.02E-04	3.51E-04	3.51E-04
1665	441538.2	3768176	4.20E-03	4.20E-03	4.74E-03	4.74E-03	7.95E-04	7.95E-04	3.48E-04	3.48E-04
1666	441546.8	3768180	4.18E-03	4.18E-03	4.72E-03	4.72E-03	7.91E-04	7.91E-04	3.46E-04	3.46E-04
1667	441555.4	3768183	4.17E-03	4.17E-03	4.70E-03	4.70E-03	7.88E-04	7.88E-04	3.45E-04	3.45E-04
1668	441564	3768187	4.15E-03	4.15E-03	4.68E-03	4.68E-03	7.85E-04	7.85E-04	3.43E-04	3.43E-04
1669	441572.6	3768190	4.14E-03	4.14E-03	4.67E-03	4.67E-03	7.82E-04	7.82E-04	3.42E-04	3.42E-04
1670	441581.2	3768194	4.13E-03	4.13E-03	4.65E-03	4.65E-03	7.80E-04	7.80E-04	3.41E-04	3.41E-04
1671	441589.8	3768197	4.11E-03	4.11E-03	4.63E-03	4.63E-03	7.76E-04	7.76E-04	3.40E-04	3.40E-04
1672	441598.4	3768201	4.08E-03	4.08E-03	4.60E-03	4.60E-03	7.72E-04	7.72E-04	3.38E-04	3.38E-04
1673	441607	3768204	4.05E-03	4.05E-03	4.57E-03	4.57E-03	7.66E-04	7.66E-04	3.35E-04	3.35E-04
1674	441615.6	3768208	4.02E-03	4.02E-03	4.53E-03	4.53E-03	7.59E-04	7.59E-04	3.32E-04	3.32E-04
1675	441624.2	3768212	3.97E-03	3.97E-03	4.48E-03	4.48E-03	7.51E-04	7.51E-04	3.28E-04	3.28E-04
1676	441632.8	3768215	3.92E-03	3.92E-03	4.42E-03	4.42E-03	7.41E-04	7.41E-04	3.24E-04	3.24E-04

1677	441641.4	3768219	3.86E-03	3.86E-03	4.36E-03	4.36E-03	7.30E-04	7.30E-04	3.19E-04	3.19E-04
1678	441650	3768222	3.81E-03	3.81E-03	4.29E-03	4.29E-03	7.20E-04	7.20E-04	3.15E-04	3.15E-04
1679	441658.6	3768226	3.76E-03	3.76E-03	4.23E-03	4.23E-03	7.10E-04	7.10E-04	3.10E-04	3.10E-04
1680	441667.2	3768229	3.70E-03	3.70E-03	4.17E-03	4.17E-03	7.00E-04	7.00E-04	3.06E-04	3.06E-04
1681	441693	3768240	3.55E-03	3.55E-03	4.00E-03	4.00E-03	6.71E-04	6.71E-04	2.93E-04	2.93E-04
1682	441701.6	3768244	3.49E-03	3.49E-03	3.93E-03	3.93E-03	6.59E-04	6.59E-04	2.88E-04	2.88E-04
1683	441710.2	3768247	3.43E-03	3.43E-03	3.86E-03	3.86E-03	6.47E-04	6.47E-04	2.83E-04	2.83E-04
1684	441718.8	3768251	3.37E-03	3.37E-03	3.80E-03	3.80E-03	6.37E-04	6.37E-04	2.78E-04	2.78E-04
1685	441727.4	3768254	3.32E-03	3.32E-03	3.75E-03	3.75E-03	6.28E-04	6.28E-04	2.75E-04	2.75E-04
1686	441736	3768258	3.28E-03	3.28E-03	3.70E-03	3.70E-03	6.21E-04	6.21E-04	2.71E-04	2.71E-04
1687	441744.6	3768261	3.25E-03	3.25E-03	3.66E-03	3.66E-03	6.14E-04	6.14E-04	2.68E-04	2.68E-04
1688	441753.2	3768265	3.21E-03	3.21E-03	3.62E-03	3.62E-03	6.06E-04	6.06E-04	2.65E-04	2.65E-04
1689	441765.4	3768277	3.20E-03	3.20E-03	3.61E-03	3.61E-03	6.06E-04	6.06E-04	2.65E-04	2.65E-04
1690	441769	3768286	3.24E-03	3.24E-03	3.65E-03	3.65E-03	6.13E-04	6.13E-04	2.68E-04	2.68E-04
1691	441772.7	3768294	3.28E-03	3.28E-03	3.70E-03	3.70E-03	6.20E-04	6.20E-04	2.71E-04	2.71E-04
1692	441776.3	3768303	3.32E-03	3.32E-03	3.74E-03	3.74E-03	6.28E-04	6.28E-04	2.75E-04	2.75E-04
1693	441779.9	3768312	3.36E-03	3.36E-03	3.78E-03	3.78E-03	6.34E-04	6.34E-04	2.77E-04	2.77E-04
1694	441783.5	3768320	3.39E-03	3.39E-03	3.82E-03	3.82E-03	6.40E-04	6.40E-04	2.80E-04	2.80E-04
1695	441787.1	3768329	3.42E-03	3.42E-03	3.86E-03	3.86E-03	6.47E-04	6.47E-04	2.83E-04	2.83E-04
1696	441790.7	3768337	3.46E-03	3.46E-03	3.90E-03	3.90E-03	6.54E-04	6.54E-04	2.86E-04	2.86E-04
1697	441794.4	3768346	3.51E-03	3.51E-03	3.95E-03	3.95E-03	6.63E-04	6.63E-04	2.90E-04	2.90E-04
1698	441798	3768354	3.56E-03	3.56E-03	4.01E-03	4.01E-03	6.72E-04	6.72E-04	2.94E-04	2.94E-04
1699	441801.6	3768363	3.62E-03	3.62E-03	4.08E-03	4.08E-03	6.84E-04	6.84E-04	2.99E-04	2.99E-04
1700	441805.2	3768372	3.69E-03	3.69E-03	4.16E-03	4.16E-03	6.98E-04	6.98E-04	3.05E-04	3.05E-04
1701	441808.8	3768380	3.77E-03	3.77E-03	4.25E-03	4.25E-03	7.13E-04	7.13E-04	3.12E-04	3.12E-04
1702	441812.4	3768389	3.86E-03	3.86E-03	4.35E-03	4.35E-03	7.30E-04	7.30E-04	3.19E-04	3.19E-04
1703	441837.7	3768449	4.75E-03	4.75E-03	5.35E-03	5.35E-03	8.97E-04	8.97E-04	3.92E-04	3.92E-04
1704	441841.4	3768457	4.90E-03	4.90E-03	5.53E-03	5.53E-03	9.27E-04	9.27E-04	4.05E-04	4.05E-04
1705	441845	3768466	5.07E-03	5.07E-03	5.71E-03	5.71E-03	9.58E-04	9.58E-04	4.19E-04	4.19E-04
1706	441848.6	3768475	5.25E-03	5.25E-03	5.92E-03	5.92E-03	9.93E-04	9.93E-04	4.34E-04	4.34E-04
1707	441852.2	3768483	5.45E-03	5.45E-03	6.14E-03	6.14E-03	1.03E-03	1.03E-03	4.50E-04	4.50E-04
1708	441855.8	3768492	5.65E-03	5.65E-03	6.37E-03	6.37E-03	1.07E-03	1.07E-03	4.67E-04	4.67E-04
1709	441859.4	3768500	5.87E-03	5.87E-03	6.61E-03	6.61E-03	1.11E-03	1.11E-03	4.85E-04	4.85E-04
1710	441863.1	3768509	6.09E-03	6.09E-03	6.87E-03	6.87E-03	1.15E-03	1.15E-03	5.04E-04	5.04E-04
1711	441866.7	3768517	6.34E-03	6.34E-03	7.15E-03	7.15E-03	1.20E-03	1.20E-03	5.25E-04	5.25E-04
1712	441495.1	3768158	4.40E-03	4.40E-03	4.96E-03	4.96E-03	8.31E-04	8.31E-04	3.64E-04	3.64E-04
1713	441485.7	3768158	4.49E-03	4.49E-03	5.06E-03	5.06E-03	8.49E-04	8.49E-04	3.72E-04	3.72E-04
1714	441476.4	3768158	4.58E-03	4.58E-03	5.17E-03	5.17E-03	8.66E-04	8.66E-04	3.79E-04	3.79E-04
1715	441467	3768158	4.67E-03	4.67E-03	5.26E-03	5.26E-03	8.82E-04	8.82E-04	3.86E-04	3.86E-04
1716	441457.6	3768158	4.75E-03	4.75E-03	5.35E-03	5.35E-03	8.98E-04	8.98E-04	3.93E-04	3.93E-04
1717	441448.2	3768158	4.83E-03	4.83E-03	5.45E-03	5.45E-03	9.14E-04	9.14E-04	4.00E-04	4.00E-04
1718	441438.8	3768158	4.92E-03	4.92E-03	5.55E-03	5.55E-03	9.31E-04	9.31E-04	4.07E-04	4.07E-04
1719	441429.4	3768158	5.01E-03	5.01E-03	5.65E-03	5.65E-03	9.47E-04	9.47E-04	4.14E-04	4.14E-04
1720	441420	3768158	5.10E-03	5.10E-03	5.75E-03	5.75E-03	9.65E-04	9.65E-04	4.22E-04	4.22E-04
1721	441410.6	3768158	5.20E-03	5.20E-03	5.86E-03	5.86E-03	9.82E-04	9.82E-04	4.30E-04	4.30E-04
1722	441503.9	3768122	3.84E-03	3.84E-03	4.33E-03	4.33E-03	7.26E-04	7.26E-04	3.17E-04	3.17E-04
1723	441512.6	3768125	3.80E-03	3.80E-03	4.29E-03	4.29E-03	7.19E-04	7.19E-04	3.15E-04	3.15E-04
1724	441521.3	3768129	3.77E-03	3.77E-03	4.25E-03	4.25E-03	7.12E-04	7.12E-04	3.12E-04	3.12E-04
1725	441529.9	3768133	3.73E-03	3.73E-03	4.21E-03	4.21E-03	7.06E-04	7.06E-04	3.09E-04	3.09E-04
1726	441538.6	3768136	3.70E-03	3.70E-03	4.17E-03	4.17E-03	6.99E-04	6.99E-04	3.06E-04	3.06E-04
1727	441547.3	3768140	3.67E-03	3.67E-03	4.14E-03	4.14E-03	6.94E-04	6.94E-04	3.04E-04	3.04E-04
1728	441555.9	3768143	3.65E-03	3.65E-03	4.12E-03	4.12E-03	6.90E-04	6.90E-04	3.02E-04	3.02E-04
1729	441564.6	3768147	3.63E-03	3.63E-03	4.09E-03	4.09E-03	6.86E-04	6.86E-04	3.00E-04	3.00E-04
1730	441573.3	3768150	3.62E-03	3.62E-03	4.08E-03	4.08E-03	6.84E-04	6.84E-04	2.99E-04	2.99E-04
1731	441582	3768154	3.61E-03	3.61E-03	4.07E-03	4.07E-03	6.83E-04	6.83E-04	2.99E-04	2.99E-04
1732	441590.6	3768158	3.61E-03	3.61E-03	4.07E-03	4.07E-03	6.82E-04	6.82E-04	2.98E-04	2.98E-04
1733	441599.3	3768161	3.60E-03	3.60E-03	4.06E-03	4.06E-03	6.81E-04	6.81E-04	2.98E-04	2.98E-04
1734	441608	3768165	3.59E-03	3.59E-03	4.05E-03	4.05E-03	6.79E-04	6.79E-04	2.97E-04	2.97E-04
1735	441616.6	3768168	3.58E-03	3.58E-03	4.03E-03	4.03E-03	6.76E-04	6.76E-04	2.96E-04	2.96E-04
1736	441625.3	3768172	3.56E-03	3.56E-03	4.01E-03	4.01E-03	6.72E-04	6.72E-04	2.94E-04	2.94E-04
1737	441634	3768176	3.53E-03	3.53E-03	3.98E-03	3.98E-03	6.67E-04	6.67E-04	2.92E-04	2.92E-04
1738	441642.6	3768179	3.49E-03	3.49E-03	3.94E-03	3.94E-03	6.60E-04	6.60E-04	2.89E-04	2.89E-04
1739	441651.3	3768183	3.45E-03	3.45E-03	3.89E-03	3.89E-03	6.52E-04	6.52E-04	2.85E-04	2.85E-04
1740	441660	3768186	3.41E-03	3.41E-03	3.84E-03	3.84E-03	6.45E-04	6.45E-04	2.82E-04	2.82E-04
1741	441668.6	3768190	3.37E-03	3.37E-03	3.80E-03	3.80E-03	6.37E-04	6.37E-04	2.78E-04	2.78E-04
1742	441694.7	3768201	3.24E-03	3.24E-03	3.65E-03	3.65E-03	6.12E-04	6.12E-04	2.68E-04	2.68E-04
1743	441703.3	3768204	3.19E-03	3.19E-03	3.59E-03	3.59E-03	6.03E-04	6.03E-04	2.64E-04	2.64E-04
1744	441712	3768208	3.14E-03	3.14E-03	3.54E-03	3.54E-03	5.93E-04	5.93E-04	2.60E-04	2.60E-04
1745	441720.7	3768212	3.09E-03	3.09E-03	3.48E-03	3.48E-03	5.84E-04	5.84E-04	2.55E-04	2.55E-04
1746	441729.3	3768215	3.04E-03	3.04E-03	3.43E-03	3.43E-03	5.75E-04	5.75E-04	2.52E-04	2.52E-04
1747	441738	3768219	3.00E-03	3.00E-03	3.38E-03	3.38E-03	5.68E-04	5.68E-04	2.48E-04	2.48E-04
1748	441746.7	3768222	2.96E-03	2.96E-03	3.34E-03	3.34E-03	5.60E-04	5.60E-04	2.45E-04	2.45E-04
1749	441755.3	3768226	2.93E-03	2.93E-03	3.30E-03	3.30E-03	5.53E-04	5.53E-04	2.42E-04	2.42E-04

1750	441764	3768229	2.89E-03	2.89E-03	3.26E-03	3.26E-03	5.47E-04	5.47E-04	2.39E-04	2.39E-04
1751	441772.7	3768233	2.86E-03	2.86E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04
1752	441781.3	3768237	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.34E-04	5.34E-04	2.34E-04	2.34E-04
1753	441793.7	3768249	2.82E-03	2.82E-03	3.17E-03	3.17E-03	5.32E-04	5.32E-04	2.33E-04	2.33E-04
1754	441797.3	3768258	2.84E-03	2.84E-03	3.20E-03	3.20E-03	5.37E-04	5.37E-04	2.35E-04	2.35E-04
1755	441800.9	3768266	2.87E-03	2.87E-03	3.24E-03	3.24E-03	5.43E-04	5.43E-04	2.37E-04	2.37E-04
1756	441804.6	3768275	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.48E-04	5.48E-04	2.40E-04	2.40E-04
1757	441808.2	3768283	2.93E-03	2.93E-03	3.31E-03	3.31E-03	5.54E-04	5.54E-04	2.43E-04	2.43E-04
1758	441811.9	3768292	2.97E-03	2.97E-03	3.35E-03	3.35E-03	5.61E-04	5.61E-04	2.45E-04	2.45E-04
1759	441815.5	3768301	3.01E-03	3.01E-03	3.39E-03	3.39E-03	5.69E-04	5.69E-04	2.49E-04	2.49E-04
1760	441819.2	3768309	3.04E-03	3.04E-03	3.43E-03	3.43E-03	5.75E-04	5.75E-04	2.51E-04	2.51E-04
1761	441822.8	3768318	3.08E-03	3.08E-03	3.47E-03	3.47E-03	5.82E-04	5.82E-04	2.55E-04	2.55E-04
1762	441826.4	3768327	3.12E-03	3.12E-03	3.52E-03	3.52E-03	5.90E-04	5.90E-04	2.58E-04	2.58E-04
1763	441830.1	3768335	3.17E-03	3.17E-03	3.57E-03	3.57E-03	5.99E-04	5.99E-04	2.62E-04	2.62E-04
1764	441833.7	3768344	3.22E-03	3.22E-03	3.63E-03	3.63E-03	6.09E-04	6.09E-04	2.66E-04	2.66E-04
1765	441837.4	3768353	3.28E-03	3.28E-03	3.69E-03	3.69E-03	6.19E-04	6.19E-04	2.71E-04	2.71E-04
1766	441841	3768361	3.34E-03	3.34E-03	3.76E-03	3.76E-03	6.31E-04	6.31E-04	2.76E-04	2.76E-04
1767	441844.7	3768370	3.41E-03	3.41E-03	3.85E-03	3.85E-03	6.45E-04	6.45E-04	2.82E-04	2.82E-04
1768	441848.3	3768379	3.49E-03	3.49E-03	3.94E-03	3.94E-03	6.60E-04	6.60E-04	2.89E-04	2.89E-04
1769	441852	3768387	3.58E-03	3.58E-03	4.03E-03	4.03E-03	6.76E-04	6.76E-04	2.96E-04	2.96E-04
1770	441855.6	3768396	3.67E-03	3.67E-03	4.13E-03	4.13E-03	6.93E-04	6.93E-04	3.03E-04	3.03E-04
1771	441877.5	3768448	4.31E-03	4.31E-03	4.86E-03	4.86E-03	8.15E-04	8.15E-04	3.56E-04	3.56E-04
1772	441881.1	3768456	4.45E-03	4.45E-03	5.02E-03	5.02E-03	8.41E-04	8.41E-04	3.68E-04	3.68E-04
1773	441884.8	3768465	4.60E-03	4.60E-03	5.19E-03	5.19E-03	8.70E-04	8.70E-04	3.81E-04	3.81E-04
1774	441888.4	3768474	4.77E-03	4.77E-03	5.38E-03	5.38E-03	9.02E-04	9.02E-04	3.94E-04	3.94E-04
1775	441892	3768482	4.94E-03	4.94E-03	5.57E-03	5.57E-03	9.35E-04	9.35E-04	4.09E-04	4.09E-04
1776	441895.7	3768491	5.12E-03	5.12E-03	5.77E-03	5.77E-03	9.67E-04	9.67E-04	4.23E-04	4.23E-04
1777	441899.3	3768500	5.30E-03	5.30E-03	5.97E-03	5.97E-03	1.00E-03	1.00E-03	4.38E-04	4.38E-04
1778	441903	3768508	5.49E-03	5.49E-03	6.19E-03	6.19E-03	1.04E-03	1.04E-03	4.54E-04	4.54E-04
1779	441906.6	3768517	5.70E-03	5.70E-03	6.43E-03	6.43E-03	1.08E-03	1.08E-03	4.72E-04	4.72E-04
1780	441910.3	3768526	5.92E-03	5.92E-03	6.67E-03	6.67E-03	1.12E-03	1.12E-03	4.90E-04	4.90E-04
1781	441495.3	3768118	3.88E-03	3.88E-03	4.37E-03	4.37E-03	7.33E-04	7.33E-04	3.21E-04	3.21E-04
1782	441485.9	3768118	3.97E-03	3.97E-03	4.47E-03	4.47E-03	7.50E-04	7.50E-04	3.28E-04	3.28E-04
1783	441476.5	3768118	4.05E-03	4.05E-03	4.56E-03	4.56E-03	7.65E-04	7.65E-04	3.35E-04	3.35E-04
1784	441467.1	3768118	4.13E-03	4.13E-03	4.65E-03	4.65E-03	7.81E-04	7.81E-04	3.41E-04	3.41E-04
1785	441457.7	3768118	4.21E-03	4.21E-03	4.75E-03	4.75E-03	7.96E-04	7.96E-04	3.48E-04	3.48E-04
1786	441448.3	3768118	4.29E-03	4.29E-03	4.83E-03	4.83E-03	8.10E-04	8.10E-04	3.54E-04	3.54E-04
1787	441438.9	3768118	4.33E-03	4.33E-03	4.88E-03	4.88E-03	8.19E-04	8.19E-04	3.58E-04	3.58E-04
1788	441429.5	3768118	4.38E-03	4.38E-03	4.94E-03	4.94E-03	8.28E-04	8.28E-04	3.62E-04	3.62E-04
1789	441420.1	3768118	4.42E-03	4.42E-03	4.99E-03	4.99E-03	8.36E-04	8.36E-04	3.66E-04	3.66E-04
1790	441410.7	3768118	4.50E-03	4.50E-03	5.07E-03	5.07E-03	8.51E-04	8.51E-04	3.72E-04	3.72E-04
1791	441503.9	3768082	3.45E-03	3.45E-03	3.89E-03	3.89E-03	6.52E-04	6.52E-04	2.85E-04	2.85E-04
1792	441512.4	3768085	3.41E-03	3.41E-03	3.85E-03	3.85E-03	6.45E-04	6.45E-04	2.82E-04	2.82E-04
1793	441520.9	3768089	3.37E-03	3.37E-03	3.80E-03	3.80E-03	6.37E-04	6.37E-04	2.79E-04	2.79E-04
1794	441529.4	3768092	3.32E-03	3.32E-03	3.75E-03	3.75E-03	6.28E-04	6.28E-04	2.75E-04	2.75E-04
1795	441537.9	3768096	3.28E-03	3.28E-03	3.70E-03	3.70E-03	6.20E-04	6.20E-04	2.71E-04	2.71E-04
1796	441546.4	3768099	3.26E-03	3.26E-03	3.67E-03	3.67E-03	6.16E-04	6.16E-04	2.69E-04	2.69E-04
1797	441554.9	3768103	3.24E-03	3.24E-03	3.66E-03	3.66E-03	6.13E-04	6.13E-04	2.68E-04	2.68E-04
1798	441563.4	3768106	3.23E-03	3.23E-03	3.64E-03	3.64E-03	6.10E-04	6.10E-04	2.67E-04	2.67E-04
1799	441571.8	3768110	3.22E-03	3.22E-03	3.62E-03	3.62E-03	6.08E-04	6.08E-04	2.66E-04	2.66E-04
1800	441580.3	3768113	3.21E-03	3.21E-03	3.62E-03	3.62E-03	6.07E-04	6.07E-04	2.66E-04	2.66E-04
1801	441588.8	3768117	3.21E-03	3.21E-03	3.62E-03	3.62E-03	6.07E-04	6.07E-04	2.65E-04	2.65E-04
1802	441597.3	3768120	3.20E-03	3.20E-03	3.61E-03	3.61E-03	6.06E-04	6.06E-04	2.65E-04	2.65E-04
1803	441605.8	3768124	3.20E-03	3.20E-03	3.60E-03	3.60E-03	6.05E-04	6.05E-04	2.64E-04	2.64E-04
1804	441614.3	3768127	3.19E-03	3.19E-03	3.60E-03	3.60E-03	6.03E-04	6.03E-04	2.64E-04	2.64E-04
1805	441622.8	3768131	3.18E-03	3.18E-03	3.59E-03	3.59E-03	6.02E-04	6.02E-04	2.63E-04	2.63E-04
1806	441631.3	3768134	3.17E-03	3.17E-03	3.58E-03	3.58E-03	6.00E-04	6.00E-04	2.62E-04	2.62E-04
1807	441639.8	3768138	3.16E-03	3.16E-03	3.56E-03	3.56E-03	5.97E-04	5.97E-04	2.61E-04	2.61E-04
1808	441648.3	3768141	3.14E-03	3.14E-03	3.54E-03	3.54E-03	5.94E-04	5.94E-04	2.60E-04	2.60E-04
1809	441656.8	3768145	3.12E-03	3.12E-03	3.52E-03	3.52E-03	5.90E-04	5.90E-04	2.58E-04	2.58E-04
1810	441665.3	3768149	3.09E-03	3.09E-03	3.48E-03	3.48E-03	5.84E-04	5.84E-04	2.56E-04	2.56E-04
1811	441699.3	3768163	2.93E-03	2.93E-03	3.30E-03	3.30E-03	5.54E-04	5.54E-04	2.42E-04	2.42E-04
1812	441707.8	3768166	2.89E-03	2.89E-03	3.26E-03	3.26E-03	5.47E-04	5.47E-04	2.39E-04	2.39E-04
1813	441716.3	3768170	2.85E-03	2.85E-03	3.21E-03	3.21E-03	5.39E-04	5.39E-04	2.36E-04	2.36E-04
1814	441724.8	3768173	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.33E-04	5.33E-04	2.33E-04	2.33E-04
1815	441733.3	3768177	2.79E-03	2.79E-03	3.14E-03	3.14E-03	5.27E-04	5.27E-04	2.30E-04	2.30E-04
1816	441741.8	3768180	2.76E-03	2.76E-03	3.11E-03	3.11E-03	5.21E-04	5.21E-04	2.28E-04	2.28E-04
1817	441750.2	3768184	2.72E-03	2.72E-03	3.07E-03	3.07E-03	5.15E-04	5.15E-04	2.25E-04	2.25E-04
1818	441758.7	3768187	2.70E-03	2.70E-03	3.04E-03	3.04E-03	5.10E-04	5.10E-04	2.23E-04	2.23E-04
1819	441767.2	3768191	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.04E-04	5.04E-04	2.21E-04	2.21E-04
1820	441775.7	3768194	2.64E-03	2.64E-03	2.98E-03	2.98E-03	4.99E-04	4.99E-04	2.18E-04	2.18E-04
1821	441784.2	3768198	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.94E-04	4.94E-04	2.16E-04	2.16E-04
1822	441792.7	3768201	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.89E-04	4.89E-04	2.14E-04	2.14E-04

1823	441801.2	3768205	2.56E-03	2.56E-03	2.89E-03	2.89E-03	4.84E-04	4.84E-04	2.12E-04	2.12E-04
1824	441809.7	3768208	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.79E-04	4.79E-04	2.10E-04	2.10E-04
1825	441821.8	3768220	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
1826	441825.3	3768229	2.53E-03	2.53E-03	2.86E-03	2.86E-03	4.79E-04	4.79E-04	2.10E-04	2.10E-04
1827	441828.9	3768237	2.55E-03	2.55E-03	2.88E-03	2.88E-03	4.82E-04	4.82E-04	2.11E-04	2.11E-04
1828	441832.5	3768246	2.57E-03	2.57E-03	2.90E-03	2.90E-03	4.87E-04	4.87E-04	2.13E-04	2.13E-04
1829	441836.1	3768254	2.60E-03	2.60E-03	2.93E-03	2.93E-03	4.91E-04	4.91E-04	2.15E-04	2.15E-04
1830	441839.6	3768263	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.17E-04	2.17E-04
1831	441843.2	3768271	2.65E-03	2.65E-03	2.98E-03	2.98E-03	5.01E-04	5.01E-04	2.19E-04	2.19E-04
1832	441846.8	3768280	2.68E-03	2.68E-03	3.02E-03	3.02E-03	5.07E-04	5.07E-04	2.22E-04	2.22E-04
1833	441850.3	3768288	2.72E-03	2.72E-03	3.06E-03	3.06E-03	5.14E-04	5.14E-04	2.25E-04	2.25E-04
1834	441857.5	3768305	2.80E-03	2.80E-03	3.15E-03	3.15E-03	5.29E-04	5.29E-04	2.31E-04	2.31E-04
1835	441861.1	3768314	2.84E-03	2.84E-03	3.20E-03	3.20E-03	5.36E-04	5.36E-04	2.35E-04	2.35E-04
1836	441864.6	3768322	2.88E-03	2.88E-03	3.25E-03	3.25E-03	5.44E-04	5.44E-04	2.38E-04	2.38E-04
1837	441868.2	3768331	2.92E-03	2.92E-03	3.30E-03	3.30E-03	5.53E-04	5.53E-04	2.42E-04	2.42E-04
1838	441871.8	3768339	2.97E-03	2.97E-03	3.35E-03	3.35E-03	5.62E-04	5.62E-04	2.46E-04	2.46E-04
1839	441875.3	3768347	3.02E-03	3.02E-03	3.41E-03	3.41E-03	5.72E-04	5.72E-04	2.50E-04	2.50E-04
1840	441878.9	3768356	3.08E-03	3.08E-03	3.47E-03	3.47E-03	5.82E-04	5.82E-04	2.55E-04	2.55E-04
1841	441882.5	3768364	3.14E-03	3.14E-03	3.54E-03	3.54E-03	5.94E-04	5.94E-04	2.60E-04	2.60E-04
1842	441889.6	3768381	3.27E-03	3.27E-03	3.68E-03	3.68E-03	6.18E-04	6.18E-04	2.70E-04	2.70E-04
1843	441893.2	3768390	3.34E-03	3.34E-03	3.76E-03	3.76E-03	6.31E-04	6.31E-04	2.76E-04	2.76E-04
1844	441896.8	3768398	3.41E-03	3.41E-03	3.84E-03	3.84E-03	6.45E-04	6.45E-04	2.82E-04	2.82E-04
1845	441918.2	3768449	3.99E-03	3.99E-03	4.49E-03	4.49E-03	7.54E-04	7.54E-04	3.30E-04	3.30E-04
1846	441925.3	3768466	4.26E-03	4.26E-03	4.80E-03	4.80E-03	8.05E-04	8.05E-04	3.52E-04	3.52E-04
1847	441928.9	3768475	4.40E-03	4.40E-03	4.96E-03	4.96E-03	8.33E-04	8.33E-04	3.64E-04	3.64E-04
1848	441932.5	3768483	4.55E-03	4.55E-03	5.13E-03	5.13E-03	8.61E-04	8.61E-04	3.76E-04	3.76E-04
1849	441936.1	3768492	4.70E-03	4.70E-03	5.30E-03	5.30E-03	8.89E-04	8.89E-04	3.89E-04	3.89E-04
1850	441939.6	3768500	4.86E-03	4.86E-03	5.48E-03	5.48E-03	9.19E-04	9.19E-04	4.02E-04	4.02E-04
1851	441943.2	3768508	5.03E-03	5.03E-03	5.67E-03	5.67E-03	9.50E-04	9.50E-04	4.16E-04	4.16E-04
1852	441946.8	3768517	5.20E-03	5.20E-03	5.86E-03	5.86E-03	9.82E-04	9.82E-04	4.30E-04	4.30E-04
1853	441495.4	3768078	3.48E-03	3.48E-03	3.93E-03	3.93E-03	6.58E-04	6.58E-04	2.88E-04	2.88E-04
1854	441486	3768078	3.56E-03	3.56E-03	4.01E-03	4.01E-03	6.73E-04	6.73E-04	2.94E-04	2.94E-04
1855	441476.6	3768078	3.64E-03	3.64E-03	4.10E-03	4.10E-03	6.87E-04	6.87E-04	3.01E-04	3.01E-04
1856	441467.2	3768078	3.70E-03	3.70E-03	4.17E-03	4.17E-03	6.99E-04	6.99E-04	3.06E-04	3.06E-04
1857	441457.8	3768078	3.76E-03	3.76E-03	4.24E-03	4.24E-03	7.11E-04	7.11E-04	3.11E-04	3.11E-04
1858	441448.4	3768078	3.82E-03	3.82E-03	4.31E-03	4.31E-03	7.23E-04	7.23E-04	3.16E-04	3.16E-04
1859	441439	3768078	3.88E-03	3.88E-03	4.37E-03	4.37E-03	7.34E-04	7.34E-04	3.21E-04	3.21E-04
1860	441429.6	3768078	3.94E-03	3.94E-03	4.44E-03	4.44E-03	7.45E-04	7.45E-04	3.26E-04	3.26E-04
1861	441420.3	3768078	4.00E-03	4.00E-03	4.51E-03	4.51E-03	7.56E-04	7.56E-04	3.31E-04	3.31E-04
1862	441410.9	3768078	4.06E-03	4.06E-03	4.58E-03	4.58E-03	7.68E-04	7.68E-04	3.36E-04	3.36E-04
1863	441564	3768067	2.93E-03	2.93E-03	3.31E-03	3.31E-03	5.54E-04	5.54E-04	2.43E-04	2.43E-04
1864	441572.5	3768070	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.52E-04	5.52E-04	2.41E-04	2.41E-04
1865	441581.1	3768074	2.91E-03	2.91E-03	3.28E-03	3.28E-03	5.50E-04	5.50E-04	2.41E-04	2.41E-04
1866	441589.7	3768077	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.49E-04	5.49E-04	2.40E-04	2.40E-04
1867	441598.2	3768081	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.48E-04	5.48E-04	2.40E-04	2.40E-04
1868	441606.8	3768084	2.89E-03	2.89E-03	3.26E-03	3.26E-03	5.46E-04	5.46E-04	2.39E-04	2.39E-04
1869	441615.3	3768088	2.88E-03	2.88E-03	3.24E-03	3.24E-03	5.44E-04	5.44E-04	2.38E-04	2.38E-04
1870	441623.9	3768091	2.87E-03	2.87E-03	3.23E-03	3.23E-03	5.42E-04	5.42E-04	2.37E-04	2.37E-04
1871	441632.5	3768095	2.86E-03	2.86E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04
1872	441641	3768098	2.85E-03	2.85E-03	3.21E-03	3.21E-03	5.39E-04	5.39E-04	2.36E-04	2.36E-04
1873	441649.6	3768102	2.84E-03	2.84E-03	3.20E-03	3.20E-03	5.37E-04	5.37E-04	2.35E-04	2.35E-04
1874	441658.1	3768106	2.83E-03	2.83E-03	3.19E-03	3.19E-03	5.36E-04	5.36E-04	2.34E-04	2.34E-04
1875	441666.7	3768109	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.33E-04	5.33E-04	2.33E-04	2.33E-04
1876	441692.4	3768120	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.20E-04	5.20E-04	2.27E-04	2.27E-04
1877	441700.9	3768123	2.72E-03	2.72E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.25E-04	2.25E-04
1878	441709.5	3768127	2.68E-03	2.68E-03	3.02E-03	3.02E-03	5.07E-04	5.07E-04	2.22E-04	2.22E-04
1879	441718	3768130	2.64E-03	2.64E-03	2.98E-03	2.98E-03	5.00E-04	5.00E-04	2.19E-04	2.19E-04
1880	441726.6	3768134	2.61E-03	2.61E-03	2.95E-03	2.95E-03	4.94E-04	4.94E-04	2.16E-04	2.16E-04
1881	441735.1	3768137	2.59E-03	2.59E-03	2.91E-03	2.91E-03	4.89E-04	4.89E-04	2.14E-04	2.14E-04
1882	441743.7	3768141	2.56E-03	2.56E-03	2.88E-03	2.88E-03	4.83E-04	4.83E-04	2.11E-04	2.11E-04
1883	441752.3	3768145	2.53E-03	2.53E-03	2.85E-03	2.85E-03	4.78E-04	4.78E-04	2.09E-04	2.09E-04
1884	441760.8	3768148	2.51E-03	2.51E-03	2.82E-03	2.82E-03	4.74E-04	4.74E-04	2.07E-04	2.07E-04
1885	441769.4	3768152	2.48E-03	2.48E-03	2.80E-03	2.80E-03	4.69E-04	4.69E-04	2.05E-04	2.05E-04
1886	441777.9	3768155	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.64E-04	4.64E-04	2.03E-04	2.03E-04
1887	441786.5	3768159	2.43E-03	2.43E-03	2.74E-03	2.74E-03	4.60E-04	4.60E-04	2.01E-04	2.01E-04
1888	441795.1	3768162	2.41E-03	2.41E-03	2.71E-03	2.71E-03	4.55E-04	4.55E-04	1.99E-04	1.99E-04
1889	441803.6	3768166	2.39E-03	2.39E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
1890	441812.2	3768169	2.36E-03	2.36E-03	2.66E-03	2.66E-03	4.46E-04	4.46E-04	1.95E-04	1.95E-04
1891	441820.7	3768173	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.41E-04	4.41E-04	1.93E-04	1.93E-04
1892	441829.3	3768176	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
1893	441837.8	3768180	2.28E-03	2.28E-03	2.57E-03	2.57E-03	4.31E-04	4.31E-04	1.89E-04	1.89E-04
1894	441850	3768192	2.26E-03	2.26E-03	2.55E-03	2.55E-03	4.27E-04	4.27E-04	1.87E-04	1.87E-04
1895	441853.6	3768201	2.28E-03	2.28E-03	2.56E-03	2.56E-03	4.30E-04	4.30E-04	1.88E-04	1.88E-04

1896	441857.2	3768209	2.29E-03	2.29E-03	2.58E-03	2.58E-03	4.33E-04	4.33E-04	1.90E-04	1.90E-04
1897	441860.8	3768218	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.37E-04	4.37E-04	1.91E-04	1.91E-04
1898	441864.4	3768226	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.40E-04	4.40E-04	1.93E-04	1.93E-04
1899	441868	3768235	2.35E-03	2.35E-03	2.65E-03	2.65E-03	4.44E-04	4.44E-04	1.94E-04	1.94E-04
1900	441871.6	3768243	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.48E-04	4.48E-04	1.96E-04	1.96E-04
1901	441875.2	3768252	2.39E-03	2.39E-03	2.70E-03	2.70E-03	4.52E-04	4.52E-04	1.98E-04	1.98E-04
1902	441878.8	3768260	2.42E-03	2.42E-03	2.72E-03	2.72E-03	4.57E-04	4.57E-04	2.00E-04	2.00E-04
1903	441882.4	3768269	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.61E-04	4.61E-04	2.02E-04	2.02E-04
1904	441886	3768277	2.48E-03	2.48E-03	2.79E-03	2.79E-03	4.68E-04	4.68E-04	2.05E-04	2.05E-04
1905	441889.6	3768286	2.51E-03	2.51E-03	2.83E-03	2.83E-03	4.75E-04	4.75E-04	2.08E-04	2.08E-04
1906	441893.2	3768294	2.55E-03	2.55E-03	2.88E-03	2.88E-03	4.83E-04	4.83E-04	2.11E-04	2.11E-04
1907	441896.8	3768303	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.90E-04	4.90E-04	2.14E-04	2.14E-04
1908	441900.4	3768312	2.63E-03	2.63E-03	2.97E-03	2.97E-03	4.98E-04	4.98E-04	2.18E-04	2.18E-04
1909	441904	3768320	2.68E-03	2.68E-03	3.02E-03	3.02E-03	5.06E-04	5.06E-04	2.21E-04	2.21E-04
1910	441907.6	3768329	2.73E-03	2.73E-03	3.07E-03	3.07E-03	5.15E-04	5.15E-04	2.25E-04	2.25E-04
1911	441911.2	3768337	2.77E-03	2.77E-03	3.12E-03	3.12E-03	5.24E-04	5.24E-04	2.29E-04	2.29E-04
1912	441914.8	3768346	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.33E-04	5.33E-04	2.33E-04	2.33E-04
1913	441918.4	3768354	2.87E-03	2.87E-03	3.23E-03	3.23E-03	5.42E-04	5.42E-04	2.37E-04	2.37E-04
1914	441922	3768363	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.52E-04	5.52E-04	2.41E-04	2.41E-04
1915	441925.6	3768371	2.98E-03	2.98E-03	3.35E-03	3.35E-03	5.62E-04	5.62E-04	2.46E-04	2.46E-04
1916	441929.1	3768380	3.03E-03	3.03E-03	3.42E-03	3.42E-03	5.73E-04	5.73E-04	2.51E-04	2.51E-04
1917	441932.7	3768388	3.10E-03	3.10E-03	3.49E-03	3.49E-03	5.85E-04	5.85E-04	2.56E-04	2.56E-04
1918	441936.3	3768397	3.17E-03	3.17E-03	3.57E-03	3.57E-03	5.99E-04	5.99E-04	2.62E-04	2.62E-04
1919	441957.9	3768448	3.70E-03	3.70E-03	4.17E-03	4.17E-03	7.00E-04	7.00E-04	3.06E-04	3.06E-04
1920	441504.3	3768002	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.34E-04	5.34E-04	2.34E-04	2.34E-04
1921	441512.9	3768005	2.80E-03	2.80E-03	3.16E-03	3.16E-03	5.30E-04	5.30E-04	2.32E-04	2.32E-04
1922	441521.5	3768009	2.78E-03	2.78E-03	3.14E-03	3.14E-03	5.26E-04	5.26E-04	2.30E-04	2.30E-04
1923	441530.1	3768012	2.76E-03	2.76E-03	3.11E-03	3.11E-03	5.22E-04	5.22E-04	2.28E-04	2.28E-04
1924	441538.7	3768016	2.74E-03	2.74E-03	3.09E-03	3.09E-03	5.18E-04	5.18E-04	2.26E-04	2.26E-04
1925	441547.3	3768020	2.73E-03	2.73E-03	3.07E-03	3.07E-03	5.15E-04	5.15E-04	2.25E-04	2.25E-04
1926	441555.9	3768023	2.72E-03	2.72E-03	3.06E-03	3.06E-03	5.14E-04	5.14E-04	2.25E-04	2.25E-04
1927	441564.6	3768027	2.71E-03	2.71E-03	3.05E-03	3.05E-03	5.12E-04	5.12E-04	2.24E-04	2.24E-04
1928	441599	3768041	2.66E-03	2.66E-03	3.00E-03	3.00E-03	5.03E-04	5.03E-04	2.20E-04	2.20E-04
1929	441607.6	3768045	2.65E-03	2.65E-03	2.99E-03	2.99E-03	5.01E-04	5.01E-04	2.19E-04	2.19E-04
1930	441702.4	3768084	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
1931	441711	3768087	2.50E-03	2.50E-03	2.81E-03	2.81E-03	4.72E-04	4.72E-04	2.06E-04	2.06E-04
1932	441719.6	3768091	2.47E-03	2.47E-03	2.79E-03	2.79E-03	4.68E-04	4.68E-04	2.05E-04	2.05E-04
1933	441728.2	3768094	2.45E-03	2.45E-03	2.76E-03	2.76E-03	4.63E-04	4.63E-04	2.02E-04	2.02E-04
1934	441736.8	3768098	2.42E-03	2.42E-03	2.73E-03	2.73E-03	4.58E-04	4.58E-04	2.00E-04	2.00E-04
1935	441745.4	3768102	2.40E-03	2.40E-03	2.70E-03	2.70E-03	4.53E-04	4.53E-04	1.98E-04	1.98E-04
1936	441754	3768105	2.37E-03	2.37E-03	2.68E-03	2.68E-03	4.49E-04	4.49E-04	1.96E-04	1.96E-04
1937	441762.6	3768109	2.35E-03	2.35E-03	2.65E-03	2.65E-03	4.45E-04	4.45E-04	1.94E-04	1.94E-04
1938	441771.3	3768112	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.40E-04	4.40E-04	1.93E-04	1.93E-04
1939	441779.9	3768116	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
1940	441788.5	3768119	2.28E-03	2.28E-03	2.57E-03	2.57E-03	4.31E-04	4.31E-04	1.89E-04	1.89E-04
1941	441797.1	3768123	2.25E-03	2.25E-03	2.54E-03	2.54E-03	4.26E-04	4.26E-04	1.86E-04	1.86E-04
1942	441805.7	3768127	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.22E-04	4.22E-04	1.84E-04	1.84E-04
1943	441814.3	3768130	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.17E-04	4.17E-04	1.82E-04	1.82E-04
1944	441822.9	3768134	2.18E-03	2.18E-03	2.45E-03	2.45E-03	4.11E-04	4.11E-04	1.80E-04	1.80E-04
1945	441831.5	3768137	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04
1946	441840.2	3768141	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
1947	441848.8	3768144	2.10E-03	2.10E-03	2.36E-03	2.36E-03	3.96E-04	3.96E-04	1.73E-04	1.73E-04
1948	441857.4	3768148	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
1949	441866	3768152	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.86E-04	3.86E-04	1.69E-04	1.69E-04
1950	441878.2	3768164	2.03E-03	2.03E-03	2.29E-03	2.29E-03	3.85E-04	3.85E-04	1.68E-04	1.68E-04
1951	441881.8	3768172	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
1952	441885.5	3768181	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.90E-04	3.90E-04	1.70E-04	1.70E-04
1953	441889.1	3768190	2.08E-03	2.08E-03	2.34E-03	2.34E-03	3.93E-04	3.93E-04	1.72E-04	1.72E-04
1954	441892.7	3768198	2.09E-03	2.09E-03	2.36E-03	2.36E-03	3.96E-04	3.96E-04	1.73E-04	1.73E-04
1955	441896.3	3768207	2.11E-03	2.11E-03	2.38E-03	2.38E-03	3.99E-04	3.99E-04	1.74E-04	1.74E-04
1956	441899.9	3768215	2.13E-03	2.13E-03	2.40E-03	2.40E-03	4.02E-04	4.02E-04	1.76E-04	1.76E-04
1957	441903.6	3768224	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04
1958	441907.2	3768232	2.17E-03	2.17E-03	2.45E-03	2.45E-03	4.11E-04	4.11E-04	1.80E-04	1.80E-04
1959	441910.8	3768241	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.15E-04	4.15E-04	1.82E-04	1.82E-04
1960	441914.4	3768250	2.22E-03	2.22E-03	2.50E-03	2.50E-03	4.19E-04	4.19E-04	1.83E-04	1.83E-04
1961	441918	3768258	2.25E-03	2.25E-03	2.53E-03	2.53E-03	4.24E-04	4.24E-04	1.86E-04	1.86E-04
1962	441921.7	3768267	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.30E-04	4.30E-04	1.88E-04	1.88E-04
1963	441925.3	3768275	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
1964	441928.9	3768284	2.34E-03	2.34E-03	2.64E-03	2.64E-03	4.42E-04	4.42E-04	1.93E-04	1.93E-04
1965	441932.5	3768293	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.49E-04	4.49E-04	1.96E-04	1.96E-04
1966	441936.2	3768301	2.41E-03	2.41E-03	2.72E-03	2.72E-03	4.56E-04	4.56E-04	1.99E-04	1.99E-04
1967	441939.8	3768310	2.45E-03	2.45E-03	2.76E-03	2.76E-03	4.64E-04	4.64E-04	2.03E-04	2.03E-04
1968	441943.4	3768318	2.49E-03	2.49E-03	2.81E-03	2.81E-03	4.71E-04	4.71E-04	2.06E-04	2.06E-04

1969	441947	3768327	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.80E-04	4.80E-04	2.10E-04	2.10E-04
1970	441950.6	3768336	2.58E-03	2.58E-03	2.91E-03	2.91E-03	4.88E-04	4.88E-04	2.13E-04	2.13E-04
1971	441954.3	3768344	2.63E-03	2.63E-03	2.96E-03	2.96E-03	4.96E-04	4.96E-04	2.17E-04	2.17E-04
1972	441957.9	3768353	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.05E-04	5.05E-04	2.21E-04	2.21E-04
1973	441961.5	3768361	2.72E-03	2.72E-03	3.07E-03	3.07E-03	5.15E-04	5.15E-04	2.25E-04	2.25E-04
1974	441965.1	3768370	2.78E-03	2.78E-03	3.13E-03	3.13E-03	5.25E-04	5.25E-04	2.30E-04	2.30E-04
1975	441997.7	3768447	3.47E-03	3.47E-03	3.91E-03	3.91E-03	6.55E-04	6.55E-04	2.87E-04	2.87E-04
1976	441495.6	3767998	2.85E-03	2.85E-03	3.21E-03	3.21E-03	5.39E-04	5.39E-04	2.36E-04	2.36E-04
1977	441486.3	3767998	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.49E-04	5.49E-04	2.40E-04	2.40E-04
1978	441476.9	3767998	2.96E-03	2.96E-03	3.34E-03	3.34E-03	5.60E-04	5.60E-04	2.45E-04	2.45E-04
1979	441467.5	3767998	3.02E-03	3.02E-03	3.41E-03	3.41E-03	5.72E-04	5.72E-04	2.50E-04	2.50E-04
1980	441458.1	3767998	3.09E-03	3.09E-03	3.48E-03	3.48E-03	5.84E-04	5.84E-04	2.55E-04	2.55E-04
1981	441448.7	3767998	3.15E-03	3.15E-03	3.55E-03	3.55E-03	5.96E-04	5.96E-04	2.61E-04	2.61E-04
1982	441439.3	3767998	3.20E-03	3.20E-03	3.61E-03	3.61E-03	6.06E-04	6.06E-04	2.65E-04	2.65E-04
1983	441429.9	3767998	3.25E-03	3.25E-03	3.67E-03	3.67E-03	6.15E-04	6.15E-04	2.69E-04	2.69E-04
1984	441420.5	3767998	3.31E-03	3.31E-03	3.73E-03	3.73E-03	6.25E-04	6.25E-04	2.73E-04	2.73E-04
1985	441411.1	3767998	3.34E-03	3.34E-03	3.77E-03	3.77E-03	6.32E-04	6.32E-04	2.76E-04	2.76E-04
1986	441504.4	3767962	2.61E-03	2.61E-03	2.94E-03	2.94E-03	4.93E-04	4.93E-04	2.16E-04	2.16E-04
1987	441513.1	3767965	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.89E-04	4.89E-04	2.14E-04	2.14E-04
1988	441521.8	3767969	2.57E-03	2.57E-03	2.90E-03	2.90E-03	4.86E-04	4.86E-04	2.12E-04	2.12E-04
1989	441530.4	3767972	2.55E-03	2.55E-03	2.88E-03	2.88E-03	4.82E-04	4.82E-04	2.11E-04	2.11E-04
1990	441539.1	3767976	2.53E-03	2.53E-03	2.86E-03	2.86E-03	4.79E-04	4.79E-04	2.10E-04	2.10E-04
1991	441547.7	3767980	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.77E-04	4.77E-04	2.09E-04	2.09E-04
1992	441556.4	3767983	2.51E-03	2.51E-03	2.83E-03	2.83E-03	4.75E-04	4.75E-04	2.08E-04	2.08E-04
1993	441565.1	3767987	2.50E-03	2.50E-03	2.82E-03	2.82E-03	4.73E-04	4.73E-04	2.07E-04	2.07E-04
1994	441599.7	3768001	2.47E-03	2.47E-03	2.79E-03	2.79E-03	4.68E-04	4.68E-04	2.04E-04	2.04E-04
1995	441608.4	3768005	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.65E-04	4.65E-04	2.03E-04	2.03E-04
1996	441617	3768008	2.45E-03	2.45E-03	2.76E-03	2.76E-03	4.63E-04	4.63E-04	2.03E-04	2.03E-04
1997	441625.7	3768012	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.61E-04	4.61E-04	2.02E-04	2.02E-04
1998	441634.3	3768016	2.43E-03	2.43E-03	2.74E-03	2.74E-03	4.59E-04	4.59E-04	2.01E-04	2.01E-04
1999	441643	3768019	2.42E-03	2.42E-03	2.73E-03	2.73E-03	4.57E-04	4.57E-04	2.00E-04	2.00E-04
2000	441651.7	3768023	2.41E-03	2.41E-03	2.72E-03	2.72E-03	4.56E-04	4.56E-04	1.99E-04	1.99E-04
2001	441660.3	3768026	2.40E-03	2.40E-03	2.71E-03	2.71E-03	4.54E-04	4.54E-04	1.99E-04	1.99E-04
2002	441669	3768030	2.39E-03	2.39E-03	2.69E-03	2.69E-03	4.52E-04	4.52E-04	1.98E-04	1.98E-04
2003	441677.6	3768033	2.38E-03	2.38E-03	2.68E-03	2.68E-03	4.50E-04	4.50E-04	1.97E-04	1.97E-04
2004	441686.3	3768037	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.48E-04	4.48E-04	1.96E-04	1.96E-04
2005	441695	3768041	2.36E-03	2.36E-03	2.65E-03	2.65E-03	4.45E-04	4.45E-04	1.95E-04	1.95E-04
2006	441703.6	3768044	2.34E-03	2.34E-03	2.64E-03	2.64E-03	4.42E-04	4.42E-04	1.93E-04	1.93E-04
2007	441712.3	3768048	2.32E-03	2.32E-03	2.62E-03	2.62E-03	4.39E-04	4.39E-04	1.92E-04	1.92E-04
2008	441720.9	3768051	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
2009	441807.5	3768087	2.10E-03	2.10E-03	2.36E-03	2.36E-03	3.97E-04	3.97E-04	1.73E-04	1.73E-04
2010	441816.2	3768091	2.08E-03	2.08E-03	2.34E-03	2.34E-03	3.93E-04	3.93E-04	1.72E-04	1.72E-04
2011	441824.9	3768094	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.88E-04	3.88E-04	1.70E-04	1.70E-04
2012	441833.5	3768098	2.03E-03	2.03E-03	2.29E-03	2.29E-03	3.84E-04	3.84E-04	1.68E-04	1.68E-04
2013	441842.2	3768102	2.00E-03	2.00E-03	2.26E-03	2.26E-03	3.79E-04	3.79E-04	1.66E-04	1.66E-04
2014	441850.8	3768105	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.64E-04	1.64E-04
2015	441859.5	3768109	1.96E-03	1.96E-03	2.20E-03	2.20E-03	3.70E-04	3.70E-04	1.62E-04	1.62E-04
2016	441868.2	3768112	1.93E-03	1.93E-03	2.18E-03	2.18E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
2017	441876.8	3768116	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
2018	441885.5	3768120	1.89E-03	1.89E-03	2.12E-03	2.12E-03	3.56E-04	3.56E-04	1.56E-04	1.56E-04
2019	441894.1	3768123	1.86E-03	1.86E-03	2.10E-03	2.10E-03	3.52E-04	3.52E-04	1.54E-04	1.54E-04
2020	441906.4	3768135	1.85E-03	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
2021	441910.1	3768144	1.86E-03	1.86E-03	2.10E-03	2.10E-03	3.52E-04	3.52E-04	1.54E-04	1.54E-04
2022	441913.7	3768153	1.88E-03	1.88E-03	2.11E-03	2.11E-03	3.55E-04	3.55E-04	1.55E-04	1.55E-04
2023	441917.4	3768161	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
2024	441921	3768170	1.90E-03	1.90E-03	2.14E-03	2.14E-03	3.59E-04	3.59E-04	1.57E-04	1.57E-04
2025	441924.6	3768179	1.92E-03	1.92E-03	2.16E-03	2.16E-03	3.62E-04	3.62E-04	1.58E-04	1.58E-04
2026	441928.3	3768187	1.93E-03	1.93E-03	2.17E-03	2.17E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
2027	441931.9	3768196	1.94E-03	1.94E-03	2.19E-03	2.19E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
2028	441935.6	3768205	1.96E-03	1.96E-03	2.21E-03	2.21E-03	3.71E-04	3.71E-04	1.62E-04	1.62E-04
2029	441939.2	3768213	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.64E-04	1.64E-04
2030	441942.8	3768222	2.00E-03	2.00E-03	2.25E-03	2.25E-03	3.78E-04	3.78E-04	1.65E-04	1.65E-04
2031	441946.5	3768230	2.02E-03	2.02E-03	2.27E-03	2.27E-03	3.81E-04	3.81E-04	1.67E-04	1.67E-04
2032	441950.1	3768239	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.85E-04	3.85E-04	1.68E-04	1.68E-04
2033	441953.8	3768248	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.90E-04	3.90E-04	1.70E-04	1.70E-04
2034	441957.4	3768256	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
2035	441961	3768265	2.11E-03	2.11E-03	2.38E-03	2.38E-03	3.99E-04	3.99E-04	1.75E-04	1.75E-04
2036	441964.7	3768274	2.14E-03	2.14E-03	2.41E-03	2.41E-03	4.05E-04	4.05E-04	1.77E-04	1.77E-04
2037	442001.1	3768360	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.80E-04	4.80E-04	2.10E-04	2.10E-04
2038	442004.7	3768369	2.60E-03	2.60E-03	2.93E-03	2.93E-03	4.91E-04	4.91E-04	2.15E-04	2.15E-04
2039	442008.4	3768377	2.65E-03	2.65E-03	2.99E-03	2.99E-03	5.02E-04	5.02E-04	2.19E-04	2.19E-04
2040	442012	3768386	2.72E-03	2.72E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.25E-04	2.25E-04
2041	442015.7	3768395	2.78E-03	2.78E-03	3.13E-03	3.13E-03	5.25E-04	5.25E-04	2.30E-04	2.30E-04

2042	441495.8	3767958	2.63E-03	2.63E-03	2.97E-03	2.97E-03	4.97E-04	4.97E-04	2.18E-04	2.18E-04
2043	441486.4	3767958	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.06E-04	5.06E-04	2.21E-04	2.21E-04
2044	441477	3767958	2.72E-03	2.72E-03	3.06E-03	3.06E-03	5.14E-04	5.14E-04	2.25E-04	2.25E-04
2045	441467.6	3767958	2.76E-03	2.76E-03	3.11E-03	3.11E-03	5.22E-04	5.22E-04	2.28E-04	2.28E-04
2046	441458.2	3767958	2.80E-03	2.80E-03	3.16E-03	3.16E-03	5.30E-04	5.30E-04	2.32E-04	2.32E-04
2047	441448.8	3767958	2.85E-03	2.85E-03	3.21E-03	3.21E-03	5.38E-04	5.38E-04	2.35E-04	2.35E-04
2048	441439.4	3767958	2.89E-03	2.89E-03	3.26E-03	3.26E-03	5.46E-04	5.46E-04	2.39E-04	2.39E-04
2049	441430	3767958	2.93E-03	2.93E-03	3.31E-03	3.31E-03	5.55E-04	5.55E-04	2.43E-04	2.43E-04
2050	441420.6	3767958	2.98E-03	2.98E-03	3.36E-03	3.36E-03	5.63E-04	5.63E-04	2.46E-04	2.46E-04
2051	441411.2	3767958	3.01E-03	3.01E-03	3.40E-03	3.40E-03	5.70E-04	5.70E-04	2.49E-04	2.49E-04
2052	441504.4	3767922	2.41E-03	2.41E-03	2.72E-03	2.72E-03	4.56E-04	4.56E-04	1.99E-04	1.99E-04
2053	441513	3767925	2.40E-03	2.40E-03	2.70E-03	2.70E-03	4.53E-04	4.53E-04	1.98E-04	1.98E-04
2054	441521.5	3767929	2.38E-03	2.38E-03	2.68E-03	2.68E-03	4.49E-04	4.49E-04	1.97E-04	1.97E-04
2055	441530	3767932	2.36E-03	2.36E-03	2.66E-03	2.66E-03	4.46E-04	4.46E-04	1.95E-04	1.95E-04
2056	441538.6	3767936	2.34E-03	2.34E-03	2.64E-03	2.64E-03	4.42E-04	4.42E-04	1.93E-04	1.93E-04
2057	441547.1	3767939	2.32E-03	2.32E-03	2.62E-03	2.62E-03	4.39E-04	4.39E-04	1.92E-04	1.92E-04
2058	441555.6	3767943	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.37E-04	4.37E-04	1.91E-04	1.91E-04
2059	441564.2	3767946	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.34E-04	4.34E-04	1.90E-04	1.90E-04
2060	441598.3	3767961	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.29E-04	4.29E-04	1.88E-04	1.88E-04
2061	441606.8	3767964	2.26E-03	2.26E-03	2.55E-03	2.55E-03	4.28E-04	4.28E-04	1.87E-04	1.87E-04
2062	441615.3	3767968	2.26E-03	2.26E-03	2.55E-03	2.55E-03	4.27E-04	4.27E-04	1.87E-04	1.87E-04
2063	441623.9	3767971	2.25E-03	2.25E-03	2.54E-03	2.54E-03	4.26E-04	4.26E-04	1.86E-04	1.86E-04
2064	441632.4	3767975	2.25E-03	2.25E-03	2.53E-03	2.53E-03	4.24E-04	4.24E-04	1.86E-04	1.86E-04
2065	441640.9	3767978	2.24E-03	2.24E-03	2.52E-03	2.52E-03	4.23E-04	4.23E-04	1.85E-04	1.85E-04
2066	441649.5	3767982	2.23E-03	2.23E-03	2.52E-03	2.52E-03	4.22E-04	4.22E-04	1.85E-04	1.85E-04
2067	441658	3767985	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.21E-04	4.21E-04	1.84E-04	1.84E-04
2068	441666.5	3767989	2.22E-03	2.22E-03	2.50E-03	2.50E-03	4.20E-04	4.20E-04	1.84E-04	1.84E-04
2069	441675.1	3767992	2.21E-03	2.21E-03	2.50E-03	2.50E-03	4.19E-04	4.19E-04	1.83E-04	1.83E-04
2070	441683.6	3767996	2.21E-03	2.21E-03	2.49E-03	2.49E-03	4.17E-04	4.17E-04	1.82E-04	1.82E-04
2071	441692.1	3767999	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.15E-04	4.15E-04	1.82E-04	1.82E-04
2072	441700.7	3768003	2.18E-03	2.18E-03	2.46E-03	2.46E-03	4.12E-04	4.12E-04	1.80E-04	1.80E-04
2073	441709.2	3768007	2.17E-03	2.17E-03	2.44E-03	2.44E-03	4.10E-04	4.10E-04	1.79E-04	1.79E-04
2074	441717.7	3768010	2.16E-03	2.16E-03	2.43E-03	2.43E-03	4.08E-04	4.08E-04	1.78E-04	1.78E-04
2075	441726.2	3768014	2.14E-03	2.14E-03	2.41E-03	2.41E-03	4.05E-04	4.05E-04	1.77E-04	1.77E-04
2076	441734.8	3768017	2.13E-03	2.13E-03	2.40E-03	2.40E-03	4.02E-04	4.02E-04	1.76E-04	1.76E-04
2077	441743.3	3768021	2.11E-03	2.11E-03	2.38E-03	2.38E-03	3.99E-04	3.99E-04	1.74E-04	1.74E-04
2078	441751.8	3768024	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.95E-04	3.95E-04	1.73E-04	1.73E-04
2079	441760.4	3768028	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
2080	441768.9	3768031	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.86E-04	3.86E-04	1.69E-04	1.69E-04
2081	441777.4	3768035	2.02E-03	2.02E-03	2.27E-03	2.27E-03	3.81E-04	3.81E-04	1.67E-04	1.67E-04
2082	441786	3768038	2.00E-03	2.00E-03	2.25E-03	2.25E-03	3.77E-04	3.77E-04	1.65E-04	1.65E-04
2083	441794.5	3768042	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
2084	441803	3768045	1.96E-03	1.96E-03	2.20E-03	2.20E-03	3.70E-04	3.70E-04	1.62E-04	1.62E-04
2085	441811.6	3768049	1.94E-03	1.94E-03	2.18E-03	2.18E-03	3.66E-04	3.66E-04	1.60E-04	1.60E-04
2086	441820.1	3768052	1.92E-03	1.92E-03	2.17E-03	2.17E-03	3.63E-04	3.63E-04	1.59E-04	1.59E-04
2087	441828.6	3768056	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.60E-04	3.60E-04	1.58E-04	1.58E-04
2088	441837.2	3768060	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
2089	441845.7	3768063	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
2090	441922.5	3768095	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
2091	441934.6	3768107	1.70E-03	1.70E-03	1.92E-03	1.92E-03	3.21E-04	3.21E-04	1.40E-04	1.40E-04
2092	441938.2	3768115	1.71E-03	1.71E-03	1.92E-03	1.92E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
2093	441941.8	3768124	1.72E-03	1.72E-03	1.93E-03	1.93E-03	3.24E-04	3.24E-04	1.42E-04	1.42E-04
2094	441945.3	3768132	1.73E-03	1.73E-03	1.94E-03	1.94E-03	3.26E-04	3.26E-04	1.43E-04	1.43E-04
2095	441948.9	3768141	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.28E-04	3.28E-04	1.44E-04	1.44E-04
2096	441952.5	3768149	1.75E-03	1.75E-03	1.97E-03	1.97E-03	3.30E-04	3.30E-04	1.44E-04	1.44E-04
2097	441956.1	3768158	1.76E-03	1.76E-03	1.98E-03	1.98E-03	3.33E-04	3.33E-04	1.45E-04	1.45E-04
2098	441959.7	3768166	1.77E-03	1.77E-03	2.00E-03	2.00E-03	3.35E-04	3.35E-04	1.46E-04	1.46E-04
2099	441963.3	3768175	1.78E-03	1.78E-03	2.01E-03	2.01E-03	3.37E-04	3.37E-04	1.48E-04	1.48E-04
2100	441999.1	3768260	1.95E-03	1.95E-03	2.20E-03	2.20E-03	3.69E-04	3.69E-04	1.61E-04	1.61E-04
2101	442002.7	3768269	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.63E-04	1.63E-04
2102	442006.3	3768277	2.01E-03	2.01E-03	2.26E-03	2.26E-03	3.80E-04	3.80E-04	1.66E-04	1.66E-04
2103	442009.9	3768286	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.86E-04	3.86E-04	1.69E-04	1.69E-04
2104	442013.5	3768294	2.08E-03	2.08E-03	2.34E-03	2.34E-03	3.93E-04	3.93E-04	1.72E-04	1.72E-04
2105	442017.1	3768303	2.11E-03	2.11E-03	2.38E-03	2.38E-03	4.00E-04	4.00E-04	1.75E-04	1.75E-04
2106	442020.7	3768311	2.15E-03	2.15E-03	2.43E-03	2.43E-03	4.07E-04	4.07E-04	1.78E-04	1.78E-04
2107	442024.2	3768320	2.20E-03	2.20E-03	2.47E-03	2.47E-03	4.15E-04	4.15E-04	1.81E-04	1.81E-04
2108	442027.8	3768328	2.24E-03	2.24E-03	2.52E-03	2.52E-03	4.23E-04	4.23E-04	1.85E-04	1.85E-04
2109	442031.4	3768337	2.28E-03	2.28E-03	2.57E-03	2.57E-03	4.31E-04	4.31E-04	1.88E-04	1.88E-04
2110	442035	3768345	2.32E-03	2.32E-03	2.61E-03	2.61E-03	4.38E-04	4.38E-04	1.92E-04	1.92E-04
2111	442038.6	3768354	2.36E-03	2.36E-03	2.66E-03	2.66E-03	4.46E-04	4.46E-04	1.95E-04	1.95E-04
2112	442042.2	3768362	2.40E-03	2.40E-03	2.70E-03	2.70E-03	4.54E-04	4.54E-04	1.98E-04	1.98E-04
2113	442045.8	3768371	2.45E-03	2.45E-03	2.76E-03	2.76E-03	4.63E-04	4.63E-04	2.03E-04	2.03E-04
2114	442049.3	3768379	2.50E-03	2.50E-03	2.82E-03	2.82E-03	4.73E-04	4.73E-04	2.07E-04	2.07E-04

2115	442052.9	3768388	2.56E-03	2.56E-03	2.89E-03	2.89E-03	4.84E-04	4.84E-04	2.12E-04	2.12E-04
2116	442056.5	3768396	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.17E-04	2.17E-04
2117	442074.4	3768439	2.96E-03	2.96E-03	3.34E-03	3.34E-03	5.60E-04	5.60E-04	2.45E-04	2.45E-04
2118	442078	3768447	3.04E-03	3.04E-03	3.42E-03	3.42E-03	5.74E-04	5.74E-04	2.51E-04	2.51E-04
2119	442081.6	3768456	3.12E-03	3.12E-03	3.51E-03	3.51E-03	5.89E-04	5.89E-04	2.58E-04	2.58E-04
2120	442085.2	3768464	3.20E-03	3.20E-03	3.61E-03	3.61E-03	6.05E-04	6.05E-04	2.65E-04	2.65E-04
2121	442088.8	3768473	3.29E-03	3.29E-03	3.71E-03	3.71E-03	6.22E-04	6.22E-04	2.72E-04	2.72E-04
2122	442092.4	3768481	3.38E-03	3.38E-03	3.81E-03	3.81E-03	6.39E-04	6.39E-04	2.79E-04	2.79E-04
2123	441495.9	3767918	2.43E-03	2.43E-03	2.73E-03	2.73E-03	4.59E-04	4.59E-04	2.01E-04	2.01E-04
2124	441486.5	3767918	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.65E-04	4.65E-04	2.03E-04	2.03E-04
2125	441477.1	3767918	2.49E-03	2.49E-03	2.81E-03	2.81E-03	4.71E-04	4.71E-04	2.06E-04	2.06E-04
2126	441467.7	3767918	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.77E-04	4.77E-04	2.09E-04	2.09E-04
2127	441458.3	3767918	2.55E-03	2.55E-03	2.88E-03	2.88E-03	4.82E-04	4.82E-04	2.11E-04	2.11E-04
2128	441448.9	3767918	2.58E-03	2.58E-03	2.91E-03	2.91E-03	4.88E-04	4.88E-04	2.13E-04	2.13E-04
2129	441439.6	3767918	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.17E-04	2.17E-04
2130	441430.2	3767918	2.66E-03	2.66E-03	3.00E-03	3.00E-03	5.02E-04	5.02E-04	2.20E-04	2.20E-04
2131	441420.8	3767918	2.70E-03	2.70E-03	3.04E-03	3.04E-03	5.10E-04	5.10E-04	2.23E-04	2.23E-04
2132	441411.4	3767918	2.73E-03	2.73E-03	3.08E-03	3.08E-03	5.16E-04	5.16E-04	2.26E-04	2.26E-04
2133	441504.6	3767882	2.24E-03	2.24E-03	2.52E-03	2.52E-03	4.23E-04	4.23E-04	1.85E-04	1.85E-04
2134	441513.2	3767885	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.21E-04	4.21E-04	1.84E-04	1.84E-04
2135	441521.8	3767889	2.21E-03	2.21E-03	2.49E-03	2.49E-03	4.18E-04	4.18E-04	1.83E-04	1.83E-04
2136	441530.3	3767892	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.15E-04	4.15E-04	1.81E-04	1.81E-04
2137	441538.9	3767896	2.18E-03	2.18E-03	2.45E-03	2.45E-03	4.12E-04	4.12E-04	1.80E-04	1.80E-04
2138	441547.5	3767899	2.17E-03	2.17E-03	2.44E-03	2.44E-03	4.09E-04	4.09E-04	1.79E-04	1.79E-04
2139	441556.1	3767903	2.15E-03	2.15E-03	2.43E-03	2.43E-03	4.07E-04	4.07E-04	1.78E-04	1.78E-04
2140	441564.7	3767907	2.14E-03	2.14E-03	2.41E-03	2.41E-03	4.05E-04	4.05E-04	1.77E-04	1.77E-04
2141	441599	3767921	2.11E-03	2.11E-03	2.38E-03	2.38E-03	3.99E-04	3.99E-04	1.75E-04	1.75E-04
2142	441607.5	3767924	2.10E-03	2.10E-03	2.37E-03	2.37E-03	3.98E-04	3.98E-04	1.74E-04	1.74E-04
2143	441616.1	3767928	2.09E-03	2.09E-03	2.36E-03	2.36E-03	3.96E-04	3.96E-04	1.73E-04	1.73E-04
2144	441624.7	3767931	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
2145	441633.3	3767935	2.08E-03	2.08E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.72E-04	1.72E-04
2146	441641.8	3767939	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
2147	441650.4	3767942	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.90E-04	3.90E-04	1.71E-04	1.71E-04
2148	441659	3767946	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.90E-04	3.90E-04	1.70E-04	1.70E-04
2149	441667.6	3767949	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.88E-04	3.88E-04	1.70E-04	1.70E-04
2150	441676.2	3767953	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.86E-04	3.86E-04	1.69E-04	1.69E-04
2151	441684.7	3767956	2.03E-03	2.03E-03	2.29E-03	2.29E-03	3.84E-04	3.84E-04	1.68E-04	1.68E-04
2152	441693.3	3767960	2.02E-03	2.02E-03	2.28E-03	2.28E-03	3.82E-04	3.82E-04	1.67E-04	1.67E-04
2153	441701.9	3767963	2.01E-03	2.01E-03	2.26E-03	2.26E-03	3.79E-04	3.79E-04	1.66E-04	1.66E-04
2154	441710.5	3767967	1.99E-03	1.99E-03	2.24E-03	2.24E-03	3.76E-04	3.76E-04	1.65E-04	1.65E-04
2155	441719	3767971	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.64E-04	1.64E-04
2156	441727.6	3767974	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.72E-04	3.72E-04	1.63E-04	1.63E-04
2157	441736.2	3767978	1.95E-03	1.95E-03	2.20E-03	2.20E-03	3.69E-04	3.69E-04	1.61E-04	1.61E-04
2158	441744.8	3767981	1.94E-03	1.94E-03	2.19E-03	2.19E-03	3.67E-04	3.67E-04	1.60E-04	1.60E-04
2159	441753.3	3767985	1.93E-03	1.93E-03	2.17E-03	2.17E-03	3.64E-04	3.64E-04	1.59E-04	1.59E-04
2160	441761.9	3767988	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
2161	441770.5	3767992	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.58E-04	3.58E-04	1.57E-04	1.57E-04
2162	441779.1	3767995	1.88E-03	1.88E-03	2.11E-03	2.11E-03	3.55E-04	3.55E-04	1.55E-04	1.55E-04
2163	441787.7	3767999	1.86E-03	1.86E-03	2.09E-03	2.09E-03	3.51E-04	3.51E-04	1.54E-04	1.54E-04
2164	441796.2	3768003	1.84E-03	1.84E-03	2.07E-03	2.07E-03	3.47E-04	3.47E-04	1.52E-04	1.52E-04
2165	441804.8	3768006	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
2166	441813.4	3768010	1.80E-03	1.80E-03	2.03E-03	2.03E-03	3.40E-04	3.40E-04	1.49E-04	1.49E-04
2167	441822	3768013	1.78E-03	1.78E-03	2.01E-03	2.01E-03	3.37E-04	3.37E-04	1.47E-04	1.47E-04
2168	441830.5	3768017	1.76E-03	1.76E-03	1.99E-03	1.99E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
2169	441839.1	3768020	1.74E-03	1.74E-03	1.97E-03	1.97E-03	3.30E-04	3.30E-04	1.44E-04	1.44E-04
2170	441847.7	3768024	1.73E-03	1.73E-03	1.94E-03	1.94E-03	3.26E-04	3.26E-04	1.43E-04	1.43E-04
2171	441856.3	3768027	1.71E-03	1.71E-03	1.92E-03	1.92E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
2172	441864.9	3768031	1.69E-03	1.69E-03	1.91E-03	1.91E-03	3.20E-04	3.20E-04	1.40E-04	1.40E-04
2173	441873.4	3768034	1.68E-03	1.68E-03	1.89E-03	1.89E-03	3.17E-04	3.17E-04	1.39E-04	1.39E-04
2174	441882	3768038	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.14E-04	3.14E-04	1.38E-04	1.38E-04
2175	441890.6	3768042	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.12E-04	3.12E-04	1.36E-04	1.36E-04
2176	441899.2	3768045	1.63E-03	1.63E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
2177	441907.7	3768049	1.63E-03	1.63E-03	1.83E-03	1.83E-03	3.08E-04	3.08E-04	1.35E-04	1.35E-04
2178	441916.3	3768052	1.62E-03	1.62E-03	1.83E-03	1.83E-03	3.06E-04	3.06E-04	1.34E-04	1.34E-04
2179	441924.9	3768056	1.61E-03	1.61E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.33E-04	1.33E-04
2180	441933.5	3768059	1.60E-03	1.60E-03	1.81E-03	1.81E-03	3.03E-04	3.03E-04	1.32E-04	1.32E-04
2181	441942	3768063	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.00E-04	3.00E-04	1.31E-04	1.31E-04
2182	441950.6	3768066	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
2183	441995.3	3768156	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
2184	441998.9	3768164	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
2185	442002.5	3768173	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04
2186	442006.1	3768181	1.68E-03	1.68E-03	1.89E-03	1.89E-03	3.18E-04	3.18E-04	1.39E-04	1.39E-04
2187	442009.7	3768190	1.69E-03	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.40E-04	1.40E-04

2188	442013.3	3768198	1.70E-03	1.70E-03	1.92E-03	1.92E-03	3.22E-04	3.22E-04	1.41E-04	1.41E-04
2189	442016.9	3768207	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.24E-04	3.24E-04	1.42E-04	1.42E-04
2190	442020.5	3768215	1.73E-03	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
2191	442024.1	3768224	1.75E-03	1.75E-03	1.97E-03	1.97E-03	3.30E-04	3.30E-04	1.44E-04	1.44E-04
2192	442027.7	3768233	1.77E-03	1.77E-03	1.99E-03	1.99E-03	3.34E-04	3.34E-04	1.46E-04	1.46E-04
2193	442031.3	3768241	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.38E-04	3.38E-04	1.48E-04	1.48E-04
2194	442034.9	3768250	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
2195	442038.5	3768258	1.84E-03	1.84E-03	2.08E-03	2.08E-03	3.49E-04	3.49E-04	1.52E-04	1.52E-04
2196	442042.1	3768267	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
2197	442045.7	3768275	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
2198	442049.3	3768284	1.94E-03	1.94E-03	2.19E-03	2.19E-03	3.67E-04	3.67E-04	1.60E-04	1.60E-04
2199	442052.9	3768292	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.63E-04	1.63E-04
2200	442056.5	3768301	2.01E-03	2.01E-03	2.27E-03	2.27E-03	3.80E-04	3.80E-04	1.66E-04	1.66E-04
2201	442060.2	3768310	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
2202	442063.8	3768318	2.08E-03	2.08E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
2203	442067.4	3768327	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
2204	442071	3768335	2.16E-03	2.16E-03	2.43E-03	2.43E-03	4.08E-04	4.08E-04	1.79E-04	1.79E-04
2205	442074.6	3768344	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.15E-04	4.15E-04	1.82E-04	1.82E-04
2206	442078.2	3768352	2.24E-03	2.24E-03	2.52E-03	2.52E-03	4.23E-04	4.23E-04	1.85E-04	1.85E-04
2207	442081.8	3768361	2.28E-03	2.28E-03	2.57E-03	2.57E-03	4.31E-04	4.31E-04	1.88E-04	1.88E-04
2208	442085.4	3768369	2.32E-03	2.32E-03	2.62E-03	2.62E-03	4.39E-04	4.39E-04	1.92E-04	1.92E-04
2209	442089	3768378	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.48E-04	4.48E-04	1.96E-04	1.96E-04
2210	442092.6	3768387	2.42E-03	2.42E-03	2.73E-03	2.73E-03	4.57E-04	4.57E-04	2.00E-04	2.00E-04
2211	442114.2	3768438	2.77E-03	2.77E-03	3.12E-03	3.12E-03	5.23E-04	5.23E-04	2.29E-04	2.29E-04
2212	442117.8	3768446	2.83E-03	2.83E-03	3.19E-03	3.19E-03	5.35E-04	5.35E-04	2.34E-04	2.34E-04
2213	442121.4	3768455	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.49E-04	5.49E-04	2.40E-04	2.40E-04
2214	442125.1	3768464	2.98E-03	2.98E-03	3.36E-03	3.36E-03	5.63E-04	5.63E-04	2.46E-04	2.46E-04
2215	442146.7	3768515	3.51E-03	3.51E-03	3.95E-03	3.95E-03	6.63E-04	6.63E-04	2.90E-04	2.90E-04
2216	442150.3	3768523	3.60E-03	3.60E-03	4.06E-03	4.06E-03	6.80E-04	6.80E-04	2.98E-04	2.98E-04
2217	441496	3767878	2.25E-03	2.25E-03	2.53E-03	2.53E-03	4.25E-04	4.25E-04	1.86E-04	1.86E-04
2218	441486.6	3767878	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.30E-04	4.30E-04	1.88E-04	1.88E-04
2219	441477.2	3767878	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.35E-04	4.35E-04	1.90E-04	1.90E-04
2220	441467.9	3767878	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.40E-04	4.40E-04	1.93E-04	1.93E-04
2221	441458.5	3767878	2.36E-03	2.36E-03	2.66E-03	2.66E-03	4.46E-04	4.46E-04	1.95E-04	1.95E-04
2222	441449.1	3767878	2.39E-03	2.39E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
2223	441439.7	3767878	2.42E-03	2.42E-03	2.72E-03	2.72E-03	4.57E-04	4.57E-04	2.00E-04	2.00E-04
2224	441430.3	3767878	2.45E-03	2.45E-03	2.76E-03	2.76E-03	4.62E-04	4.62E-04	2.02E-04	2.02E-04
2225	441420.9	3767878	2.47E-03	2.47E-03	2.79E-03	2.79E-03	4.68E-04	4.68E-04	2.05E-04	2.05E-04
2226	441411.5	3767878	2.50E-03	2.50E-03	2.81E-03	2.81E-03	4.72E-04	4.72E-04	2.06E-04	2.06E-04
2227	441504.8	3767842	2.08E-03	2.08E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.72E-04	1.72E-04
2228	441513.4	3767845	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
2229	441522	3767849	2.06E-03	2.06E-03	2.33E-03	2.33E-03	3.90E-04	3.90E-04	1.71E-04	1.71E-04
2230	441530.6	3767852	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.89E-04	3.89E-04	1.70E-04	1.70E-04
2231	441539.3	3767856	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
2232	441547.9	3767860	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.85E-04	3.85E-04	1.69E-04	1.69E-04
2233	441556.5	3767863	2.03E-03	2.03E-03	2.29E-03	2.29E-03	3.84E-04	3.84E-04	1.68E-04	1.68E-04
2234	441565.1	3767867	2.02E-03	2.02E-03	2.28E-03	2.28E-03	3.82E-04	3.82E-04	1.67E-04	1.67E-04
2235	441599.6	3767881	1.98E-03	1.98E-03	2.24E-03	2.24E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04
2236	441608.2	3767885	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.64E-04	1.64E-04
2237	441616.8	3767888	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
2238	441625.4	3767892	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.72E-04	3.72E-04	1.63E-04	1.63E-04
2239	441634.1	3767895	1.96E-03	1.96E-03	2.21E-03	2.21E-03	3.70E-04	3.70E-04	1.62E-04	1.62E-04
2240	441642.7	3767899	1.95E-03	1.95E-03	2.20E-03	2.20E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
2241	441651.3	3767902	1.94E-03	1.94E-03	2.19E-03	2.19E-03	3.67E-04	3.67E-04	1.60E-04	1.60E-04
2242	441659.9	3767906	1.93E-03	1.93E-03	2.18E-03	2.18E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
2243	441668.5	3767910	1.92E-03	1.92E-03	2.16E-03	2.16E-03	3.62E-04	3.62E-04	1.58E-04	1.58E-04
2244	441677.1	3767913	1.90E-03	1.90E-03	2.14E-03	2.14E-03	3.59E-04	3.59E-04	1.57E-04	1.57E-04
2245	441685.8	3767917	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
2246	441694.4	3767920	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
2247	441703	3767924	1.86E-03	1.86E-03	2.09E-03	2.09E-03	3.51E-04	3.51E-04	1.53E-04	1.53E-04
2248	441711.6	3767927	1.84E-03	1.84E-03	2.07E-03	2.07E-03	3.47E-04	3.47E-04	1.52E-04	1.52E-04
2249	441720.2	3767931	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.50E-04	1.50E-04
2250	441728.9	3767935	1.81E-03	1.81E-03	2.04E-03	2.04E-03	3.42E-04	3.42E-04	1.49E-04	1.49E-04
2251	441737.5	3767938	1.80E-03	1.80E-03	2.03E-03	2.03E-03	3.40E-04	3.40E-04	1.49E-04	1.49E-04
2252	441746.1	3767942	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.38E-04	3.38E-04	1.48E-04	1.48E-04
2253	441754.7	3767945	1.78E-03	1.78E-03	2.01E-03	2.01E-03	3.36E-04	3.36E-04	1.47E-04	1.47E-04
2254	441763.3	3767949	1.77E-03	1.77E-03	1.99E-03	1.99E-03	3.34E-04	3.34E-04	1.46E-04	1.46E-04
2255	441771.9	3767952	1.76E-03	1.76E-03	1.98E-03	1.98E-03	3.32E-04	3.32E-04	1.45E-04	1.45E-04
2256	441780.6	3767956	1.74E-03	1.74E-03	1.97E-03	1.97E-03	3.30E-04	3.30E-04	1.44E-04	1.44E-04
2257	441789.2	3767960	1.73E-03	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
2258	441797.8	3767963	1.72E-03	1.72E-03	1.94E-03	1.94E-03	3.25E-04	3.25E-04	1.42E-04	1.42E-04
2259	441806.4	3767967	1.71E-03	1.71E-03	1.92E-03	1.92E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
2260	441815	3767970	1.69E-03	1.69E-03	1.91E-03	1.91E-03	3.20E-04	3.20E-04	1.40E-04	1.40E-04

2261	441823.7	3767974	1.67E-03	1.67E-03	1.89E-03	1.89E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04
2262	441832.3	3767977	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
2263	441840.9	3767981	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
2264	441849.5	3767985	1.62E-03	1.62E-03	1.82E-03	1.82E-03	3.06E-04	3.06E-04	1.34E-04	1.34E-04
2265	441858.1	3767988	1.60E-03	1.60E-03	1.80E-03	1.80E-03	3.02E-04	3.02E-04	1.32E-04	1.32E-04
2266	441866.7	3767992	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.98E-04	2.98E-04	1.30E-04	1.30E-04
2267	441875.4	3767995	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.94E-04	2.94E-04	1.29E-04	1.29E-04
2268	441884	3767999	1.54E-03	1.54E-03	1.74E-03	1.74E-03	2.91E-04	2.91E-04	1.27E-04	1.27E-04
2269	441892.6	3768002	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
2270	441901.2	3768006	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
2271	441909.8	3768010	1.50E-03	1.50E-03	1.70E-03	1.70E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
2272	441918.5	3768013	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.83E-04	2.83E-04	1.24E-04	1.24E-04
2273	441927.1	3768017	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
2274	441935.7	3768020	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
2275	441944.3	3768024	1.47E-03	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.22E-04	1.22E-04
2276	441952.9	3768027	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.76E-04	2.76E-04	1.21E-04	1.21E-04
2277	442012.8	3768102	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
2278	442016.4	3768110	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.83E-04	2.83E-04	1.24E-04	1.24E-04
2279	442020	3768119	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.24E-04	1.24E-04
2280	442023.6	3768128	1.51E-03	1.51E-03	1.71E-03	1.71E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
2281	442027.2	3768136	1.52E-03	1.52E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
2282	442030.9	3768145	1.53E-03	1.53E-03	1.73E-03	1.73E-03	2.89E-04	2.89E-04	1.27E-04	1.27E-04
2283	442034.5	3768153	1.54E-03	1.54E-03	1.74E-03	1.74E-03	2.91E-04	2.91E-04	1.27E-04	1.27E-04
2284	442038.1	3768162	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.93E-04	2.93E-04	1.28E-04	1.28E-04
2285	442041.7	3768171	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
2286	442045.4	3768179	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
2287	442049	3768188	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.00E-04	3.00E-04	1.31E-04	1.31E-04
2288	442052.6	3768196	1.60E-03	1.60E-03	1.80E-03	1.80E-03	3.02E-04	3.02E-04	1.32E-04	1.32E-04
2289	442056.2	3768205	1.62E-03	1.62E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.34E-04	1.34E-04
2290	442059.9	3768214	1.64E-03	1.64E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
2291	442063.5	3768222	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
2292	442067.1	3768231	1.68E-03	1.68E-03	1.89E-03	1.89E-03	3.17E-04	3.17E-04	1.39E-04	1.39E-04
2293	442070.7	3768239	1.70E-03	1.70E-03	1.92E-03	1.92E-03	3.22E-04	3.22E-04	1.41E-04	1.41E-04
2294	442074.3	3768248	1.73E-03	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
2295	442078	3768257	1.76E-03	1.76E-03	1.98E-03	1.98E-03	3.33E-04	3.33E-04	1.45E-04	1.45E-04
2296	442081.6	3768265	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.38E-04	3.38E-04	1.48E-04	1.48E-04
2297	442085.2	3768274	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.50E-04	1.50E-04
2298	442088.8	3768282	1.85E-03	1.85E-03	2.08E-03	2.08E-03	3.49E-04	3.49E-04	1.53E-04	1.53E-04
2299	442092.5	3768291	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
2300	442096.1	3768300	1.90E-03	1.90E-03	2.15E-03	2.15E-03	3.60E-04	3.60E-04	1.57E-04	1.57E-04
2301	442099.7	3768308	1.94E-03	1.94E-03	2.18E-03	2.18E-03	3.66E-04	3.66E-04	1.60E-04	1.60E-04
2302	442103.3	3768317	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
2303	442106.9	3768325	2.01E-03	2.01E-03	2.26E-03	2.26E-03	3.80E-04	3.80E-04	1.66E-04	1.66E-04
2304	442110.6	3768334	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
2305	442114.2	3768343	2.08E-03	2.08E-03	2.35E-03	2.35E-03	3.93E-04	3.93E-04	1.72E-04	1.72E-04
2306	442117.8	3768351	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
2307	442121.4	3768360	2.16E-03	2.16E-03	2.44E-03	2.44E-03	4.09E-04	4.09E-04	1.79E-04	1.79E-04
2308	442125.1	3768368	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.16E-04	4.16E-04	1.82E-04	1.82E-04
2309	442128.7	3768377	2.25E-03	2.25E-03	2.53E-03	2.53E-03	4.24E-04	4.24E-04	1.86E-04	1.86E-04
2310	442132.3	3768386	2.29E-03	2.29E-03	2.58E-03	2.58E-03	4.33E-04	4.33E-04	1.89E-04	1.89E-04
2311	442150.4	3768428	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.80E-04	4.80E-04	2.10E-04	2.10E-04
2312	442154	3768437	2.60E-03	2.60E-03	2.93E-03	2.93E-03	4.91E-04	4.91E-04	2.15E-04	2.15E-04
2313	442157.7	3768446	2.66E-03	2.66E-03	2.99E-03	2.99E-03	5.02E-04	5.02E-04	2.20E-04	2.20E-04
2314	442161.3	3768454	2.72E-03	2.72E-03	3.07E-03	3.07E-03	5.14E-04	5.14E-04	2.25E-04	2.25E-04
2315	442183	3768506	3.18E-03	3.18E-03	3.58E-03	3.58E-03	6.00E-04	6.00E-04	2.63E-04	2.63E-04
2316	442186.6	3768514	3.26E-03	3.26E-03	3.67E-03	3.67E-03	6.16E-04	6.16E-04	2.69E-04	2.69E-04
2317	442190.3	3768523	3.34E-03	3.34E-03	3.76E-03	3.76E-03	6.31E-04	6.31E-04	2.76E-04	2.76E-04
2318	441496.2	3767838	2.08E-03	2.08E-03	2.35E-03	2.35E-03	3.93E-04	3.93E-04	1.72E-04	1.72E-04
2319	441486.8	3767838	2.10E-03	2.10E-03	2.37E-03	2.37E-03	3.97E-04	3.97E-04	1.74E-04	1.74E-04
2320	441477.4	3767838	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
2321	441468	3767838	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.77E-04	1.77E-04
2322	441458.6	3767838	2.17E-03	2.17E-03	2.44E-03	2.44E-03	4.10E-04	4.10E-04	1.79E-04	1.79E-04
2323	441449.2	3767838	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.14E-04	4.14E-04	1.81E-04	1.81E-04
2324	441439.8	3767838	2.22E-03	2.22E-03	2.50E-03	2.50E-03	4.19E-04	4.19E-04	1.83E-04	1.83E-04
2325	441430.4	3767838	2.24E-03	2.24E-03	2.53E-03	2.53E-03	4.24E-04	4.24E-04	1.85E-04	1.85E-04
2326	441421	3767838	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.29E-04	4.29E-04	1.88E-04	1.88E-04
2327	441411.6	3767838	2.29E-03	2.29E-03	2.58E-03	2.58E-03	4.33E-04	4.33E-04	1.89E-04	1.89E-04
2328	441504.9	3767802	1.94E-03	1.94E-03	2.18E-03	2.18E-03	3.66E-04	3.66E-04	1.60E-04	1.60E-04
2329	441513.6	3767805	1.93E-03	1.93E-03	2.18E-03	2.18E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
2330	441522.3	3767809	1.93E-03	1.93E-03	2.17E-03	2.17E-03	3.64E-04	3.64E-04	1.59E-04	1.59E-04
2331	441530.9	3767812	1.92E-03	1.92E-03	2.16E-03	2.16E-03	3.63E-04	3.63E-04	1.59E-04	1.59E-04
2332	441539.6	3767816	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
2333	441548.2	3767820	1.90E-03	1.90E-03	2.15E-03	2.15E-03	3.60E-04	3.60E-04	1.57E-04	1.57E-04

2334	441556.9	3767823	1.90E-03	1.90E-03	2.14E-03	2.14E-03	3.58E-04	3.58E-04	1.57E-04	1.57E-04
2335	441565.5	3767827	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
2336	441591.5	3767838	1.86E-03	1.86E-03	2.10E-03	2.10E-03	3.52E-04	3.52E-04	1.54E-04	1.54E-04
2337	441600.2	3767841	1.85E-03	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
2338	441608.8	3767845	1.85E-03	1.85E-03	2.08E-03	2.08E-03	3.49E-04	3.49E-04	1.53E-04	1.53E-04
2339	441617.5	3767848	1.84E-03	1.84E-03	2.08E-03	2.08E-03	3.48E-04	3.48E-04	1.52E-04	1.52E-04
2340	441626.1	3767852	1.84E-03	1.84E-03	2.07E-03	2.07E-03	3.47E-04	3.47E-04	1.52E-04	1.52E-04
2341	441634.8	3767856	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
2342	441643.4	3767859	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.51E-04	1.51E-04
2343	441652.1	3767863	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
2344	441660.7	3767866	1.81E-03	1.81E-03	2.04E-03	2.04E-03	3.42E-04	3.42E-04	1.49E-04	1.49E-04
2345	441669.4	3767870	1.80E-03	1.80E-03	2.03E-03	2.03E-03	3.40E-04	3.40E-04	1.49E-04	1.49E-04
2346	441678	3767873	1.79E-03	1.79E-03	2.01E-03	2.01E-03	3.38E-04	3.38E-04	1.48E-04	1.48E-04
2347	441686.7	3767877	1.77E-03	1.77E-03	2.00E-03	2.00E-03	3.35E-04	3.35E-04	1.47E-04	1.47E-04
2348	441695.4	3767881	1.76E-03	1.76E-03	1.98E-03	1.98E-03	3.32E-04	3.32E-04	1.45E-04	1.45E-04
2349	441704	3767884	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.29E-04	3.29E-04	1.44E-04	1.44E-04
2350	441712.7	3767888	1.72E-03	1.72E-03	1.94E-03	1.94E-03	3.26E-04	3.26E-04	1.42E-04	1.42E-04
2351	441721.3	3767891	1.71E-03	1.71E-03	1.92E-03	1.92E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
2352	441730	3767895	1.69E-03	1.69E-03	1.91E-03	1.91E-03	3.20E-04	3.20E-04	1.40E-04	1.40E-04
2353	441738.6	3767899	1.68E-03	1.68E-03	1.89E-03	1.89E-03	3.17E-04	3.17E-04	1.39E-04	1.39E-04
2354	441747.3	3767902	1.66E-03	1.66E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
2355	441755.9	3767906	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.12E-04	3.12E-04	1.37E-04	1.37E-04
2356	441764.6	3767909	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
2357	441773.3	3767913	1.63E-03	1.63E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
2358	441781.9	3767916	1.63E-03	1.63E-03	1.83E-03	1.83E-03	3.07E-04	3.07E-04	1.34E-04	1.34E-04
2359	441790.6	3767920	1.62E-03	1.62E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.34E-04	1.34E-04
2360	441799.2	3767924	1.61E-03	1.61E-03	1.81E-03	1.81E-03	3.04E-04	3.04E-04	1.33E-04	1.33E-04
2361	441807.9	3767927	1.60E-03	1.60E-03	1.80E-03	1.80E-03	3.02E-04	3.02E-04	1.32E-04	1.32E-04
2362	441816.5	3767931	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.00E-04	3.00E-04	1.31E-04	1.31E-04
2363	441825.2	3767934	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
2364	441833.8	3767938	1.56E-03	1.56E-03	1.75E-03	1.75E-03	2.94E-04	2.94E-04	1.29E-04	1.29E-04
2365	441842.5	3767942	1.54E-03	1.54E-03	1.73E-03	1.73E-03	2.91E-04	2.91E-04	1.27E-04	1.27E-04
2366	441851.1	3767945	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
2367	441859.8	3767949	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.25E-04	1.25E-04
2368	441868.5	3767952	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.24E-04	1.24E-04
2369	441877.1	3767956	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.22E-04	1.22E-04
2370	441885.8	3767960	1.47E-03	1.47E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
2371	441894.4	3767963	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
2372	441903.1	3767967	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.71E-04	2.71E-04	1.19E-04	1.19E-04
2373	441911.7	3767970	1.42E-03	1.42E-03	1.61E-03	1.61E-03	2.69E-04	2.69E-04	1.18E-04	1.18E-04
2374	441920.4	3767974	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
2375	441929	3767977	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04
2376	441937.7	3767981	1.39E-03	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
2377	441946.4	3767985	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
2378	441955	3767988	1.37E-03	1.37E-03	1.54E-03	1.54E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04
2379	441998.3	3768006	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.09E-04	1.09E-04
2380	442006.9	3768010	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.08E-04	1.08E-04
2381	442019.2	3768022	1.31E-03	1.31E-03	1.47E-03	1.47E-03	2.47E-04	2.47E-04	1.08E-04	1.08E-04
2382	442022.9	3768031	1.32E-03	1.32E-03	1.48E-03	1.48E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
2383	442026.5	3768039	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.51E-04	2.51E-04	1.10E-04	1.10E-04
2384	442030.1	3768048	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.53E-04	2.53E-04	1.10E-04	1.10E-04
2385	442033.8	3768056	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
2386	442037.4	3768065	1.35E-03	1.35E-03	1.53E-03	1.53E-03	2.56E-04	2.56E-04	1.12E-04	1.12E-04
2387	442041.1	3768074	1.36E-03	1.36E-03	1.54E-03	1.54E-03	2.57E-04	2.57E-04	1.13E-04	1.13E-04
2388	442055.6	3768108	1.40E-03	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.15E-04	1.15E-04
2389	442059.3	3768117	1.41E-03	1.41E-03	1.58E-03	1.58E-03	2.66E-04	2.66E-04	1.16E-04	1.16E-04
2390	442062.9	3768126	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
2391	442066.5	3768134	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.69E-04	2.69E-04	1.18E-04	1.18E-04
2392	442070.2	3768143	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.71E-04	2.71E-04	1.19E-04	1.19E-04
2393	442073.8	3768151	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
2394	442077.4	3768160	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.76E-04	2.76E-04	1.21E-04	1.21E-04
2395	442081.1	3768169	1.47E-03	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.22E-04	1.22E-04
2396	442084.7	3768177	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
2397	442088.4	3768186	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
2398	442092	3768195	1.52E-03	1.52E-03	1.71E-03	1.71E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
2399	442095.6	3768203	1.54E-03	1.54E-03	1.73E-03	1.73E-03	2.91E-04	2.91E-04	1.27E-04	1.27E-04
2400	442099.3	3768212	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.94E-04	2.94E-04	1.29E-04	1.29E-04
2401	442102.9	3768220	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.98E-04	2.98E-04	1.30E-04	1.30E-04
2402	442106.6	3768229	1.60E-03	1.60E-03	1.80E-03	1.80E-03	3.02E-04	3.02E-04	1.32E-04	1.32E-04
2403	442110.2	3768238	1.62E-03	1.62E-03	1.83E-03	1.83E-03	3.06E-04	3.06E-04	1.34E-04	1.34E-04
2404	442113.8	3768246	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
2405	442117.5	3768255	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04
2406	442121.1	3768264	1.70E-03	1.70E-03	1.91E-03	1.91E-03	3.21E-04	3.21E-04	1.40E-04	1.40E-04

2407	442124.7	3768272	1.72E-03	1.72E-03	1.94E-03	1.94E-03	3.26E-04	3.26E-04	1.42E-04	1.42E-04
2408	442128.4	3768281	1.75E-03	1.75E-03	1.97E-03	1.97E-03	3.30E-04	3.30E-04	1.44E-04	1.44E-04
2409	442132	3768290	1.77E-03	1.77E-03	2.00E-03	2.00E-03	3.35E-04	3.35E-04	1.46E-04	1.46E-04
2410	442135.7	3768298	1.80E-03	1.80E-03	2.02E-03	2.02E-03	3.39E-04	3.39E-04	1.48E-04	1.48E-04
2411	442139.3	3768307	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.45E-04	3.45E-04	1.51E-04	1.51E-04
2412	442142.9	3768315	1.86E-03	1.86E-03	2.09E-03	2.09E-03	3.51E-04	3.51E-04	1.53E-04	1.53E-04
2413	442146.6	3768324	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
2414	442150.2	3768333	1.92E-03	1.92E-03	2.17E-03	2.17E-03	3.63E-04	3.63E-04	1.59E-04	1.59E-04
2415	442153.9	3768341	1.96E-03	1.96E-03	2.21E-03	2.21E-03	3.70E-04	3.70E-04	1.62E-04	1.62E-04
2416	442157.5	3768350	2.00E-03	2.00E-03	2.25E-03	2.25E-03	3.78E-04	3.78E-04	1.65E-04	1.65E-04
2417	442161.1	3768359	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.85E-04	3.85E-04	1.68E-04	1.68E-04
2418	442164.8	3768367	2.08E-03	2.08E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.72E-04	1.72E-04
2419	442168.4	3768376	2.12E-03	2.12E-03	2.38E-03	2.38E-03	4.00E-04	4.00E-04	1.75E-04	1.75E-04
2420	442190.2	3768428	2.40E-03	2.40E-03	2.70E-03	2.70E-03	4.53E-04	4.53E-04	1.98E-04	1.98E-04
2421	442193.9	3768436	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.64E-04	4.64E-04	2.03E-04	2.03E-04
2422	442215.7	3768488	2.84E-03	2.84E-03	3.20E-03	3.20E-03	5.36E-04	5.36E-04	2.35E-04	2.35E-04
2423	442219.3	3768497	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.49E-04	5.49E-04	2.40E-04	2.40E-04
2424	442223	3768505	2.97E-03	2.97E-03	3.35E-03	3.35E-03	5.62E-04	5.62E-04	2.46E-04	2.46E-04
2425	442226.6	3768514	3.04E-03	3.04E-03	3.43E-03	3.43E-03	5.75E-04	5.75E-04	2.51E-04	2.51E-04
2426	442230.3	3768523	3.11E-03	3.11E-03	3.51E-03	3.51E-03	5.88E-04	5.88E-04	2.57E-04	2.57E-04
2427	441496.3	3767798	1.94E-03	1.94E-03	2.19E-03	2.19E-03	3.67E-04	3.67E-04	1.60E-04	1.60E-04
2428	441486.9	3767798	1.96E-03	1.96E-03	2.20E-03	2.20E-03	3.70E-04	3.70E-04	1.62E-04	1.62E-04
2429	441477.5	3767798	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
2430	441468.1	3767798	1.99E-03	1.99E-03	2.24E-03	2.24E-03	3.76E-04	3.76E-04	1.65E-04	1.65E-04
2431	441458.7	3767798	2.01E-03	2.01E-03	2.26E-03	2.26E-03	3.80E-04	3.80E-04	1.66E-04	1.66E-04
2432	441449.3	3767798	2.03E-03	2.03E-03	2.29E-03	2.29E-03	3.83E-04	3.83E-04	1.68E-04	1.68E-04
2433	441439.9	3767798	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
2434	441430.5	3767798	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
2435	441421.2	3767798	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.95E-04	3.95E-04	1.73E-04	1.73E-04
2436	441411.8	3767798	2.11E-03	2.11E-03	2.38E-03	2.38E-03	3.99E-04	3.99E-04	1.75E-04	1.75E-04
2437	441505	3767762	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.39E-04	3.39E-04	1.48E-04	1.48E-04
2438	441513.5	3767765	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.39E-04	3.39E-04	1.48E-04	1.48E-04
2439	441522.1	3767769	1.79E-03	1.79E-03	2.01E-03	2.01E-03	3.38E-04	3.38E-04	1.48E-04	1.48E-04
2440	441530.6	3767772	1.78E-03	1.78E-03	2.01E-03	2.01E-03	3.37E-04	3.37E-04	1.47E-04	1.47E-04
2441	441539.2	3767776	1.78E-03	1.78E-03	2.00E-03	2.00E-03	3.36E-04	3.36E-04	1.47E-04	1.47E-04
2442	441547.7	3767779	1.77E-03	1.77E-03	1.99E-03	1.99E-03	3.34E-04	3.34E-04	1.46E-04	1.46E-04
2443	441556.3	3767783	1.76E-03	1.76E-03	1.98E-03	1.98E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
2444	441564.8	3767786	1.75E-03	1.75E-03	1.97E-03	1.97E-03	3.31E-04	3.31E-04	1.45E-04	1.45E-04
2445	441599	3767801	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.24E-04	3.24E-04	1.42E-04	1.42E-04
2446	441607.6	3767804	1.71E-03	1.71E-03	1.92E-03	1.92E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
2447	441616.2	3767808	1.70E-03	1.70E-03	1.92E-03	1.92E-03	3.21E-04	3.21E-04	1.40E-04	1.40E-04
2448	441624.7	3767811	1.69E-03	1.69E-03	1.91E-03	1.91E-03	3.20E-04	3.20E-04	1.40E-04	1.40E-04
2449	441633.3	3767815	1.69E-03	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.39E-04	1.39E-04
2450	441641.8	3767818	1.68E-03	1.68E-03	1.89E-03	1.89E-03	3.18E-04	3.18E-04	1.39E-04	1.39E-04
2451	441650.4	3767822	1.68E-03	1.68E-03	1.89E-03	1.89E-03	3.17E-04	3.17E-04	1.39E-04	1.39E-04
2452	441658.9	3767825	1.67E-03	1.67E-03	1.89E-03	1.89E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04
2453	441667.5	3767829	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04
2454	441676	3767833	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
2455	441684.6	3767836	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.14E-04	3.14E-04	1.37E-04	1.37E-04
2456	441693.1	3767840	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
2457	441701.7	3767843	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
2458	441710.2	3767847	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.10E-04	3.10E-04	1.36E-04	1.36E-04
2459	441718.8	3767850	1.63E-03	1.63E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
2460	441727.3	3767854	1.62E-03	1.62E-03	1.82E-03	1.82E-03	3.06E-04	3.06E-04	1.34E-04	1.34E-04
2461	441735.9	3767857	1.60E-03	1.60E-03	1.81E-03	1.81E-03	3.03E-04	3.03E-04	1.32E-04	1.32E-04
2462	441744.4	3767861	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.00E-04	3.00E-04	1.31E-04	1.31E-04
2463	441753	3767864	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
2464	441761.6	3767868	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
2465	441770.1	3767872	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.93E-04	2.93E-04	1.28E-04	1.28E-04
2466	441778.7	3767875	1.54E-03	1.54E-03	1.74E-03	1.74E-03	2.91E-04	2.91E-04	1.27E-04	1.27E-04
2467	441787.2	3767879	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.89E-04	2.89E-04	1.27E-04	1.27E-04
2468	441795.8	3767882	1.52E-03	1.52E-03	1.71E-03	1.71E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
2469	441804.3	3767886	1.51E-03	1.51E-03	1.71E-03	1.71E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
2470	441812.9	3767889	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.24E-04	1.24E-04
2471	441821.4	3767893	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.83E-04	2.83E-04	1.24E-04	1.24E-04
2472	441830	3767896	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
2473	441838.5	3767900	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.22E-04	1.22E-04
2474	441847.1	3767903	1.47E-03	1.47E-03	1.65E-03	1.65E-03	2.78E-04	2.78E-04	1.21E-04	1.21E-04
2475	441855.6	3767907	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
2476	441864.2	3767911	1.44E-03	1.44E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.19E-04	1.19E-04
2477	441872.7	3767914	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
2478	441881.3	3767918	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
2479	441889.8	3767921	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04

2480	441898.4	3767925	1.39E-03	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
2481	441906.9	3767928	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.60E-04	2.60E-04	1.14E-04	1.14E-04
2482	441915.5	3767932	1.36E-03	1.36E-03	1.54E-03	1.54E-03	2.57E-04	2.57E-04	1.13E-04	1.13E-04
2483	441924.1	3767935	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.55E-04	2.55E-04	1.12E-04	1.12E-04
2484	441932.6	3767939	1.34E-03	1.34E-03	1.50E-03	1.50E-03	2.52E-04	2.52E-04	1.10E-04	1.10E-04
2485	441941.2	3767942	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.09E-04	1.09E-04
2486	441949.7	3767946	1.31E-03	1.31E-03	1.47E-03	1.47E-03	2.47E-04	2.47E-04	1.08E-04	1.08E-04
2487	441958.3	3767949	1.29E-03	1.29E-03	1.46E-03	1.46E-03	2.44E-04	2.44E-04	1.07E-04	1.07E-04
2488	442001	3767967	1.25E-03	1.25E-03	1.40E-03	1.40E-03	2.36E-04	2.36E-04	1.03E-04	1.03E-04
2489	442009.6	3767971	1.24E-03	1.24E-03	1.39E-03	1.39E-03	2.34E-04	2.34E-04	1.02E-04	1.02E-04
2490	442018.1	3767974	1.23E-03	1.23E-03	1.38E-03	1.38E-03	2.32E-04	2.32E-04	1.02E-04	1.02E-04
2491	442026.7	3767978	1.22E-03	1.22E-03	1.38E-03	1.38E-03	2.31E-04	2.31E-04	1.01E-04	1.01E-04
2492	442035.2	3767981	1.21E-03	1.21E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.00E-04	1.00E-04
2493	442047.4	3767993	1.22E-03	1.22E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.01E-04	1.01E-04
2494	442051	3768002	1.23E-03	1.23E-03	1.38E-03	1.38E-03	2.32E-04	2.32E-04	1.01E-04	1.01E-04
2495	442054.6	3768011	1.23E-03	1.23E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
2496	442058.2	3768019	1.24E-03	1.24E-03	1.40E-03	1.40E-03	2.34E-04	2.34E-04	1.02E-04	1.02E-04
2497	442061.8	3768028	1.25E-03	1.25E-03	1.40E-03	1.40E-03	2.35E-04	2.35E-04	1.03E-04	1.03E-04
2498	442065.4	3768036	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.36E-04	2.36E-04	1.03E-04	1.03E-04
2499	442069	3768045	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.37E-04	2.37E-04	1.04E-04	1.04E-04
2500	442072.6	3768053	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.39E-04	2.39E-04	1.04E-04	1.04E-04
2501	442076.2	3768062	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
2502	442079.7	3768070	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.41E-04	2.41E-04	1.06E-04	1.06E-04
2503	442083.3	3768079	1.29E-03	1.29E-03	1.45E-03	1.45E-03	2.43E-04	2.43E-04	1.06E-04	1.06E-04
2504	442094.1	3768104	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.09E-04	1.09E-04
2505	442097.7	3768113	1.33E-03	1.33E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.10E-04	1.10E-04
2506	442101.3	3768121	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.53E-04	2.53E-04	1.10E-04	1.10E-04
2507	442104.9	3768130	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.55E-04	2.55E-04	1.11E-04	1.11E-04
2508	442108.5	3768138	1.36E-03	1.36E-03	1.53E-03	1.53E-03	2.57E-04	2.57E-04	1.12E-04	1.12E-04
2509	442112.1	3768147	1.37E-03	1.37E-03	1.55E-03	1.55E-03	2.60E-04	2.60E-04	1.14E-04	1.14E-04
2510	442115.7	3768156	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
2511	442119.3	3768164	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04
2512	442122.9	3768173	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
2513	442126.5	3768181	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
2514	442130.1	3768190	1.44E-03	1.44E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.19E-04	1.19E-04
2515	442133.7	3768198	1.46E-03	1.46E-03	1.65E-03	1.65E-03	2.76E-04	2.76E-04	1.21E-04	1.21E-04
2516	442137.3	3768207	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.22E-04	1.22E-04
2517	442140.9	3768215	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.83E-04	2.83E-04	1.24E-04	1.24E-04
2518	442144.5	3768224	1.51E-03	1.51E-03	1.71E-03	1.71E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
2519	442148.1	3768232	1.53E-03	1.53E-03	1.73E-03	1.73E-03	2.89E-04	2.89E-04	1.27E-04	1.27E-04
2520	442151.7	3768241	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.93E-04	2.93E-04	1.28E-04	1.28E-04
2521	442155.2	3768249	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
2522	442158.8	3768258	1.60E-03	1.60E-03	1.80E-03	1.80E-03	3.02E-04	3.02E-04	1.32E-04	1.32E-04
2523	442162.4	3768266	1.62E-03	1.62E-03	1.83E-03	1.83E-03	3.06E-04	3.06E-04	1.34E-04	1.34E-04
2524	442166	3768275	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.10E-04	3.10E-04	1.36E-04	1.36E-04
2525	442169.6	3768284	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.14E-04	3.14E-04	1.38E-04	1.38E-04
2526	442173.2	3768292	1.69E-03	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.39E-04	1.39E-04
2527	442176.8	3768301	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
2528	442180.4	3768309	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.28E-04	3.28E-04	1.44E-04	1.44E-04
2529	442184	3768318	1.76E-03	1.76E-03	1.99E-03	1.99E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
2530	442187.6	3768326	1.80E-03	1.80E-03	2.02E-03	2.02E-03	3.39E-04	3.39E-04	1.48E-04	1.48E-04
2531	442191.2	3768335	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
2532	442194.8	3768343	1.86E-03	1.86E-03	2.10E-03	2.10E-03	3.52E-04	3.52E-04	1.54E-04	1.54E-04
2533	442198.4	3768352	1.90E-03	1.90E-03	2.14E-03	2.14E-03	3.59E-04	3.59E-04	1.57E-04	1.57E-04
2534	442202	3768360	1.94E-03	1.94E-03	2.18E-03	2.18E-03	3.66E-04	3.66E-04	1.60E-04	1.60E-04
2535	442205.6	3768369	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
2536	442252.3	3768480	2.61E-03	2.61E-03	2.94E-03	2.94E-03	4.93E-04	4.93E-04	2.16E-04	2.16E-04
2537	442255.9	3768488	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.04E-04	5.04E-04	2.21E-04	2.21E-04
2538	442259.5	3768497	2.73E-03	2.73E-03	3.08E-03	3.08E-03	5.16E-04	5.16E-04	2.26E-04	2.26E-04
2539	442263.1	3768505	2.79E-03	2.79E-03	3.15E-03	3.15E-03	5.28E-04	5.28E-04	2.31E-04	2.31E-04
2540	442266.7	3768514	2.86E-03	2.86E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04
2541	442270.3	3768522	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.52E-04	5.52E-04	2.41E-04	2.41E-04
2542	441496.4	3767758	1.80E-03	1.80E-03	2.03E-03	2.03E-03	3.40E-04	3.40E-04	1.49E-04	1.49E-04
2543	441487	3767758	1.81E-03	1.81E-03	2.04E-03	2.04E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
2544	441477.6	3767758	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
2545	441468.2	3767758	1.85E-03	1.85E-03	2.08E-03	2.08E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
2546	441458.8	3767758	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.53E-04	3.53E-04	1.55E-04	1.55E-04
2547	441449.5	3767758	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
2548	441440.1	3767758	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.60E-04	3.60E-04	1.58E-04	1.58E-04
2549	441430.7	3767758	1.92E-03	1.92E-03	2.17E-03	2.17E-03	3.64E-04	3.64E-04	1.59E-04	1.59E-04
2550	441421.3	3767758	1.94E-03	1.94E-03	2.19E-03	2.19E-03	3.67E-04	3.67E-04	1.60E-04	1.60E-04
2551	441411.9	3767758	1.96E-03	1.96E-03	2.21E-03	2.21E-03	3.71E-04	3.71E-04	1.62E-04	1.62E-04
2552	441505.1	3767722	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04

2553	441513.7	3767725	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
2554	441522.3	3767729	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.14E-04	3.14E-04	1.38E-04	1.38E-04
2555	441530.9	3767732	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.14E-04	3.14E-04	1.37E-04	1.37E-04
2556	441539.5	3767736	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
2557	441548.1	3767739	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.12E-04	3.12E-04	1.36E-04	1.36E-04
2558	441556.7	3767743	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
2559	441565.3	3767747	1.64E-03	1.64E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
2560	441591	3767757	1.61E-03	1.61E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.33E-04	1.33E-04
2561	441599.6	3767761	1.61E-03	1.61E-03	1.81E-03	1.81E-03	3.04E-04	3.04E-04	1.33E-04	1.33E-04
2562	441608.2	3767764	1.60E-03	1.60E-03	1.80E-03	1.80E-03	3.02E-04	3.02E-04	1.32E-04	1.32E-04
2563	441616.8	3767768	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.01E-04	3.01E-04	1.31E-04	1.31E-04
2564	441625.4	3767772	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
2565	441634	3767775	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.98E-04	2.98E-04	1.30E-04	1.30E-04
2566	441642.6	3767779	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
2567	441651.1	3767782	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.96E-04	2.96E-04	1.29E-04	1.29E-04
2568	441659.7	3767786	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
2569	441668.3	3767789	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.94E-04	2.94E-04	1.28E-04	1.28E-04
2570	441676.9	3767793	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.93E-04	2.93E-04	1.28E-04	1.28E-04
2571	441685.5	3767796	1.55E-03	1.55E-03	1.74E-03	1.74E-03	2.92E-04	2.92E-04	1.28E-04	1.28E-04
2572	441694.1	3767800	1.54E-03	1.54E-03	1.73E-03	1.73E-03	2.91E-04	2.91E-04	1.27E-04	1.27E-04
2573	441702.7	3767804	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.89E-04	2.89E-04	1.27E-04	1.27E-04
2574	441711.3	3767807	1.52E-03	1.52E-03	1.71E-03	1.71E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
2575	441719.9	3767811	1.51E-03	1.51E-03	1.71E-03	1.71E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
2576	441728.4	3767814	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.25E-04	1.25E-04
2577	441737	3767818	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.25E-04	1.25E-04
2578	441745.6	3767821	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
2579	441754.2	3767825	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.83E-04	2.83E-04	1.24E-04	1.24E-04
2580	441762.8	3767828	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
2581	441771.4	3767832	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
2582	441780	3767836	1.48E-03	1.48E-03	1.66E-03	1.66E-03	2.79E-04	2.79E-04	1.22E-04	1.22E-04
2583	441788.6	3767839	1.47E-03	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.22E-04	1.22E-04
2584	441797.2	3767843	1.46E-03	1.46E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
2585	441805.7	3767846	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
2586	441814.3	3767850	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
2587	441822.9	3767853	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.72E-04	2.72E-04	1.19E-04	1.19E-04
2588	441831.5	3767857	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
2589	441840.1	3767860	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.69E-04	2.69E-04	1.17E-04	1.17E-04
2590	441848.7	3767864	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
2591	441857.3	3767868	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04
2592	441865.9	3767871	1.39E-03	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
2593	441874.5	3767875	1.38E-03	1.38E-03	1.56E-03	1.56E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
2594	441883	3767878	1.37E-03	1.37E-03	1.54E-03	1.54E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04
2595	441891.6	3767882	1.36E-03	1.36E-03	1.53E-03	1.53E-03	2.57E-04	2.57E-04	1.12E-04	1.12E-04
2596	441900.2	3767885	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
2597	441908.8	3767889	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.52E-04	2.52E-04	1.10E-04	1.10E-04
2598	441917.4	3767893	1.32E-03	1.32E-03	1.48E-03	1.48E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
2599	441926	3767896	1.30E-03	1.30E-03	1.47E-03	1.47E-03	2.46E-04	2.46E-04	1.08E-04	1.08E-04
2600	441934.6	3767900	1.29E-03	1.29E-03	1.45E-03	1.45E-03	2.43E-04	2.43E-04	1.06E-04	1.06E-04
2601	441943.2	3767903	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
2602	441951.7	3767907	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.38E-04	2.38E-04	1.04E-04	1.04E-04
2603	441960.3	3767910	1.24E-03	1.24E-03	1.40E-03	1.40E-03	2.35E-04	2.35E-04	1.03E-04	1.03E-04
2604	442003.3	3767928	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.24E-04	2.24E-04	9.81E-05	9.81E-05
2605	442011.9	3767932	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.75E-05	9.75E-05
2606	442020.5	3767935	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.21E-04	2.21E-04	9.67E-05	9.67E-05
2607	442029	3767939	1.16E-03	1.16E-03	1.30E-03	1.30E-03	2.19E-04	2.19E-04	9.57E-05	9.57E-05
2608	442037.6	3767942	1.15E-03	1.15E-03	1.29E-03	1.29E-03	2.17E-04	2.17E-04	9.48E-05	9.48E-05
2609	442046.2	3767946	1.14E-03	1.14E-03	1.28E-03	1.28E-03	2.15E-04	2.15E-04	9.40E-05	9.40E-05
2610	442054.8	3767949	1.13E-03	1.13E-03	1.27E-03	1.27E-03	2.14E-04	2.14E-04	9.34E-05	9.34E-05
2611	442063.4	3767953	1.12E-03	1.12E-03	1.27E-03	1.27E-03	2.12E-04	2.12E-04	9.29E-05	9.29E-05
2612	442075.6	3767965	1.13E-03	1.13E-03	1.27E-03	1.27E-03	2.13E-04	2.13E-04	9.34E-05	9.34E-05
2613	442079.2	3767974	1.14E-03	1.14E-03	1.28E-03	1.28E-03	2.15E-04	2.15E-04	9.42E-05	9.42E-05
2614	442082.8	3767982	1.15E-03	1.15E-03	1.29E-03	1.29E-03	2.17E-04	2.17E-04	9.49E-05	9.49E-05
2615	442086.4	3767991	1.16E-03	1.16E-03	1.30E-03	1.30E-03	2.19E-04	2.19E-04	9.56E-05	9.56E-05
2616	442090	3767999	1.17E-03	1.17E-03	1.31E-03	1.31E-03	2.20E-04	2.20E-04	9.63E-05	9.63E-05
2617	442093.7	3768008	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.21E-04	2.21E-04	9.67E-05	9.67E-05
2618	442097.3	3768017	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.22E-04	2.22E-04	9.71E-05	9.71E-05
2619	442100.9	3768025	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.75E-05	9.75E-05
2620	442104.5	3768034	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.24E-04	2.24E-04	9.79E-05	9.79E-05
2621	442108.1	3768042	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.25E-04	2.25E-04	9.83E-05	9.83E-05
2622	442111.7	3768051	1.20E-03	1.20E-03	1.35E-03	1.35E-03	2.26E-04	2.26E-04	9.88E-05	9.88E-05
2623	442115.3	3768059	1.20E-03	1.20E-03	1.35E-03	1.35E-03	2.27E-04	2.27E-04	9.93E-05	9.93E-05
2624	442118.9	3768068	1.21E-03	1.21E-03	1.37E-03	1.37E-03	2.29E-04	2.29E-04	1.00E-04	1.00E-04
2625	442122.5	3768076	1.22E-03	1.22E-03	1.38E-03	1.38E-03	2.31E-04	2.31E-04	1.01E-04	1.01E-04

2626	442126.1	3768085	1.23E-03	1.23E-03	1.39E-03	1.39E-03	2.32E-04	2.32E-04	1.02E-04	1.02E-04
2627	442137	3768111	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.38E-04	2.38E-04	1.04E-04	1.04E-04
2628	442140.6	3768119	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.41E-04	2.41E-04	1.05E-04	1.05E-04
2629	442144.2	3768128	1.28E-03	1.28E-03	1.45E-03	1.45E-03	2.43E-04	2.43E-04	1.06E-04	1.06E-04
2630	442147.8	3768136	1.30E-03	1.30E-03	1.46E-03	1.46E-03	2.45E-04	2.45E-04	1.07E-04	1.07E-04
2631	442151.4	3768145	1.31E-03	1.31E-03	1.47E-03	1.47E-03	2.47E-04	2.47E-04	1.08E-04	1.08E-04
2632	442155	3768154	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.09E-04	1.09E-04
2633	442158.6	3768162	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.52E-04	2.52E-04	1.10E-04	1.10E-04
2634	442162.3	3768171	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
2635	442165.9	3768179	1.36E-03	1.36E-03	1.53E-03	1.53E-03	2.57E-04	2.57E-04	1.12E-04	1.12E-04
2636	442169.5	3768188	1.37E-03	1.37E-03	1.55E-03	1.55E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04
2637	442173.1	3768196	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
2638	442176.7	3768205	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04
2639	442180.3	3768214	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
2640	442183.9	3768222	1.43E-03	1.43E-03	1.62E-03	1.62E-03	2.71E-04	2.71E-04	1.19E-04	1.19E-04
2641	442187.5	3768231	1.45E-03	1.45E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
2642	442191.1	3768239	1.47E-03	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.22E-04	1.22E-04
2643	442194.7	3768248	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
2644	442198.4	3768256	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.25E-04	1.25E-04
2645	442202	3768265	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.89E-04	2.89E-04	1.27E-04	1.27E-04
2646	442205.6	3768274	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.94E-04	2.94E-04	1.28E-04	1.28E-04
2647	442209.2	3768282	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.98E-04	2.98E-04	1.30E-04	1.30E-04
2648	442212.8	3768291	1.60E-03	1.60E-03	1.80E-03	1.80E-03	3.03E-04	3.03E-04	1.32E-04	1.32E-04
2649	442216.4	3768299	1.63E-03	1.63E-03	1.83E-03	1.83E-03	3.08E-04	3.08E-04	1.35E-04	1.35E-04
2650	442220	3768308	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
2651	442223.6	3768316	1.68E-03	1.68E-03	1.90E-03	1.90E-03	3.18E-04	3.18E-04	1.39E-04	1.39E-04
2652	442227.2	3768325	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
2653	442230.9	3768334	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.29E-04	3.29E-04	1.44E-04	1.44E-04
2654	442234.5	3768342	1.77E-03	1.77E-03	1.99E-03	1.99E-03	3.34E-04	3.34E-04	1.46E-04	1.46E-04
2655	442238.1	3768351	1.80E-03	1.80E-03	2.02E-03	2.02E-03	3.40E-04	3.40E-04	1.49E-04	1.49E-04
2656	442241.7	3768359	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.45E-04	3.45E-04	1.51E-04	1.51E-04
2657	442285	3768462	2.36E-03	2.36E-03	2.66E-03	2.66E-03	4.46E-04	4.46E-04	1.95E-04	1.95E-04
2658	442288.6	3768471	2.41E-03	2.41E-03	2.72E-03	2.72E-03	4.55E-04	4.55E-04	1.99E-04	1.99E-04
2659	442292.2	3768479	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.65E-04	4.65E-04	2.03E-04	2.03E-04
2660	442295.8	3768488	2.51E-03	2.51E-03	2.83E-03	2.83E-03	4.75E-04	4.75E-04	2.08E-04	2.08E-04
2661	442299.4	3768496	2.57E-03	2.57E-03	2.90E-03	2.90E-03	4.86E-04	4.86E-04	2.13E-04	2.13E-04
2662	442303.1	3768505	2.63E-03	2.63E-03	2.96E-03	2.96E-03	4.97E-04	4.97E-04	2.17E-04	2.17E-04
2663	442306.7	3768513	2.68E-03	2.68E-03	3.02E-03	3.02E-03	5.07E-04	5.07E-04	2.22E-04	2.22E-04
2664	442310.3	3768522	2.74E-03	2.74E-03	3.09E-03	3.09E-03	5.18E-04	5.18E-04	2.27E-04	2.27E-04
2665	441496.5	3767718	1.68E-03	1.68E-03	1.89E-03	1.89E-03	3.17E-04	3.17E-04	1.38E-04	1.38E-04
2666	441487.2	3767718	1.69E-03	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.40E-04	1.40E-04
2667	441477.8	3767718	1.70E-03	1.70E-03	1.92E-03	1.92E-03	3.22E-04	3.22E-04	1.41E-04	1.41E-04
2668	441468.4	3767718	1.72E-03	1.72E-03	1.94E-03	1.94E-03	3.25E-04	3.25E-04	1.42E-04	1.42E-04
2669	441459	3767718	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.28E-04	3.28E-04	1.44E-04	1.44E-04
2670	441449.6	3767718	1.75E-03	1.75E-03	1.98E-03	1.98E-03	3.32E-04	3.32E-04	1.45E-04	1.45E-04
2671	441440.2	3767718	1.77E-03	1.77E-03	1.99E-03	1.99E-03	3.34E-04	3.34E-04	1.46E-04	1.46E-04
2672	441430.8	3767718	1.78E-03	1.78E-03	2.01E-03	2.01E-03	3.37E-04	3.37E-04	1.48E-04	1.48E-04
2673	441421.4	3767718	1.80E-03	1.80E-03	2.03E-03	2.03E-03	3.40E-04	3.40E-04	1.49E-04	1.49E-04
2674	441412	3767718	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.50E-04	1.50E-04
2675	441505.3	3767682	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
2676	441513.9	3767685	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.94E-04	2.94E-04	1.29E-04	1.29E-04
2677	441522.5	3767689	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.94E-04	2.94E-04	1.28E-04	1.28E-04
2678	441531.2	3767692	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.93E-04	2.93E-04	1.28E-04	1.28E-04
2679	441539.8	3767696	1.55E-03	1.55E-03	1.74E-03	1.74E-03	2.92E-04	2.92E-04	1.28E-04	1.28E-04
2680	441548.4	3767700	1.54E-03	1.54E-03	1.73E-03	1.73E-03	2.91E-04	2.91E-04	1.27E-04	1.27E-04
2681	441557	3767703	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.89E-04	2.89E-04	1.26E-04	1.26E-04
2682	441565.6	3767707	1.52E-03	1.52E-03	1.71E-03	1.71E-03	2.87E-04	2.87E-04	1.26E-04	1.26E-04
2683	441591.5	3767717	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.25E-04	1.25E-04
2684	441600.1	3767721	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.24E-04	1.24E-04
2685	441608.8	3767725	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
2686	441617.4	3767728	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
2687	441626	3767732	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.83E-04	2.83E-04	1.24E-04	1.24E-04
2688	441634.6	3767735	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
2689	441643.2	3767739	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.23E-04	1.23E-04
2690	441651.9	3767742	1.48E-03	1.48E-03	1.66E-03	1.66E-03	2.79E-04	2.79E-04	1.22E-04	1.22E-04
2691	441660.5	3767746	1.47E-03	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.22E-04	1.22E-04
2692	441669.1	3767750	1.47E-03	1.47E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
2693	441677.7	3767753	1.46E-03	1.46E-03	1.65E-03	1.65E-03	2.76E-04	2.76E-04	1.21E-04	1.21E-04
2694	441686.3	3767757	1.45E-03	1.45E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
2695	441695	3767760	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.19E-04	1.19E-04
2696	441703.6	3767764	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.71E-04	2.71E-04	1.19E-04	1.19E-04
2697	441712.2	3767767	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
2698	441720.8	3767771	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04

2699	441729.5	3767775	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
2700	441738.1	3767778	1.41E-03	1.41E-03	1.58E-03	1.58E-03	2.66E-04	2.66E-04	1.16E-04	1.16E-04
2701	441746.7	3767782	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04
2702	441755.3	3767785	1.40E-03	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.16E-04	1.16E-04
2703	441763.9	3767789	1.40E-03	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.16E-04	1.16E-04
2704	441772.6	3767792	1.40E-03	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.16E-04	1.16E-04
2705	441781.2	3767796	1.40E-03	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.15E-04	1.15E-04
2706	441789.8	3767800	1.39E-03	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
2707	441798.4	3767803	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
2708	441807.1	3767807	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
2709	441815.7	3767810	1.37E-03	1.37E-03	1.55E-03	1.55E-03	2.60E-04	2.60E-04	1.14E-04	1.14E-04
2710	441824.3	3767814	1.37E-03	1.37E-03	1.54E-03	1.54E-03	2.58E-04	2.58E-04	1.13E-04	1.13E-04
2711	441832.9	3767817	1.36E-03	1.36E-03	1.53E-03	1.53E-03	2.57E-04	2.57E-04	1.12E-04	1.12E-04
2712	441841.5	3767821	1.35E-03	1.35E-03	1.53E-03	1.53E-03	2.56E-04	2.56E-04	1.12E-04	1.12E-04
2713	441850.2	3767825	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
2714	441858.8	3767828	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.52E-04	2.52E-04	1.10E-04	1.10E-04
2715	441867.4	3767832	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.09E-04	1.09E-04
2716	441876	3767835	1.32E-03	1.32E-03	1.48E-03	1.48E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
2717	441884.6	3767839	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.08E-04	1.08E-04
2718	441893.3	3767842	1.30E-03	1.30E-03	1.47E-03	1.47E-03	2.46E-04	2.46E-04	1.08E-04	1.08E-04
2719	441901.9	3767846	1.30E-03	1.30E-03	1.46E-03	1.46E-03	2.45E-04	2.45E-04	1.07E-04	1.07E-04
2720	441910.5	3767850	1.29E-03	1.29E-03	1.45E-03	1.45E-03	2.43E-04	2.43E-04	1.06E-04	1.06E-04
2721	441919.1	3767853	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.41E-04	2.41E-04	1.05E-04	1.05E-04
2722	441927.8	3767857	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.38E-04	2.38E-04	1.04E-04	1.04E-04
2723	441936.4	3767860	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.36E-04	2.36E-04	1.03E-04	1.03E-04
2724	441945	3767864	1.23E-03	1.23E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
2725	441953.6	3767867	1.22E-03	1.22E-03	1.38E-03	1.38E-03	2.31E-04	2.31E-04	1.01E-04	1.01E-04
2726	442005.4	3767889	1.16E-03	1.16E-03	1.30E-03	1.30E-03	2.19E-04	2.19E-04	9.57E-05	9.57E-05
2727	442014	3767892	1.15E-03	1.15E-03	1.29E-03	1.29E-03	2.17E-04	2.17E-04	9.48E-05	9.48E-05
2728	442022.6	3767896	1.14E-03	1.14E-03	1.28E-03	1.28E-03	2.15E-04	2.15E-04	9.40E-05	9.40E-05
2729	442031.2	3767900	1.12E-03	1.12E-03	1.27E-03	1.27E-03	2.12E-04	2.12E-04	9.29E-05	9.29E-05
2730	442039.8	3767903	1.11E-03	1.11E-03	1.25E-03	1.25E-03	2.10E-04	2.10E-04	9.18E-05	9.18E-05
2731	442048.5	3767907	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.07E-04	2.07E-04	9.06E-05	9.06E-05
2732	442057.1	3767910	1.08E-03	1.08E-03	1.22E-03	1.22E-03	2.05E-04	2.05E-04	8.96E-05	8.96E-05
2733	442065.7	3767914	1.08E-03	1.08E-03	1.21E-03	1.21E-03	2.03E-04	2.03E-04	8.89E-05	8.89E-05
2734	442074.3	3767917	1.07E-03	1.07E-03	1.20E-03	1.20E-03	2.02E-04	2.02E-04	8.81E-05	8.81E-05
2735	442082.9	3767921	1.06E-03	1.06E-03	1.19E-03	1.19E-03	2.00E-04	2.00E-04	8.74E-05	8.74E-05
2736	442091.6	3767925	1.05E-03	1.05E-03	1.18E-03	1.18E-03	1.99E-04	1.99E-04	8.69E-05	8.69E-05
2737	442103.8	3767937	1.05E-03	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.67E-05	8.67E-05
2738	442107.4	3767945	1.06E-03	1.06E-03	1.19E-03	1.19E-03	2.00E-04	2.00E-04	8.75E-05	8.75E-05
2739	442111.1	3767954	1.07E-03	1.07E-03	1.20E-03	1.20E-03	2.02E-04	2.02E-04	8.84E-05	8.84E-05
2740	442114.7	3767963	1.08E-03	1.08E-03	1.22E-03	1.22E-03	2.04E-04	2.04E-04	8.93E-05	8.93E-05
2741	442118.3	3767971	1.09E-03	1.09E-03	1.23E-03	1.23E-03	2.06E-04	2.06E-04	9.00E-05	9.00E-05
2742	442121.9	3767980	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.07E-04	2.07E-04	9.06E-05	9.06E-05
2743	442125.6	3767988	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.09E-04	2.09E-04	9.12E-05	9.12E-05
2744	442129.2	3767997	1.11E-03	1.11E-03	1.25E-03	1.25E-03	2.10E-04	2.10E-04	9.18E-05	9.18E-05
2745	442132.8	3768006	1.12E-03	1.12E-03	1.26E-03	1.26E-03	2.11E-04	2.11E-04	9.23E-05	9.23E-05
2746	442136.4	3768014	1.12E-03	1.12E-03	1.27E-03	1.27E-03	2.12E-04	2.12E-04	9.29E-05	9.29E-05
2747	442140.1	3768023	1.13E-03	1.13E-03	1.27E-03	1.27E-03	2.14E-04	2.14E-04	9.35E-05	9.35E-05
2748	442143.7	3768031	1.14E-03	1.14E-03	1.28E-03	1.28E-03	2.15E-04	2.15E-04	9.41E-05	9.41E-05
2749	442147.3	3768040	1.14E-03	1.14E-03	1.29E-03	1.29E-03	2.16E-04	2.16E-04	9.44E-05	9.44E-05
2750	442150.9	3768049	1.15E-03	1.15E-03	1.29E-03	1.29E-03	2.17E-04	2.17E-04	9.48E-05	9.48E-05
2751	442154.6	3768057	1.15E-03	1.15E-03	1.30E-03	1.30E-03	2.18E-04	2.18E-04	9.53E-05	9.53E-05
2752	442158.2	3768066	1.16E-03	1.16E-03	1.31E-03	1.31E-03	2.19E-04	2.19E-04	9.57E-05	9.57E-05
2753	442161.8	3768074	1.17E-03	1.17E-03	1.31E-03	1.31E-03	2.20E-04	2.20E-04	9.63E-05	9.63E-05
2754	442165.4	3768083	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.22E-04	2.22E-04	9.69E-05	9.69E-05
2755	442179.9	3768117	1.21E-03	1.21E-03	1.36E-03	1.36E-03	2.29E-04	2.29E-04	1.00E-04	1.00E-04
2756	442183.5	3768126	1.22E-03	1.22E-03	1.38E-03	1.38E-03	2.31E-04	2.31E-04	1.01E-04	1.01E-04
2757	442187.2	3768135	1.23E-03	1.23E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
2758	442190.8	3768143	1.25E-03	1.25E-03	1.40E-03	1.40E-03	2.35E-04	2.35E-04	1.03E-04	1.03E-04
2759	442194.4	3768152	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.38E-04	2.38E-04	1.04E-04	1.04E-04
2760	442198	3768160	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
2761	442201.7	3768169	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.42E-04	2.42E-04	1.06E-04	1.06E-04
2762	442205.3	3768178	1.29E-03	1.29E-03	1.46E-03	1.46E-03	2.44E-04	2.44E-04	1.07E-04	1.07E-04
2763	442208.9	3768186	1.31E-03	1.31E-03	1.47E-03	1.47E-03	2.47E-04	2.47E-04	1.08E-04	1.08E-04
2764	442212.5	3768195	1.32E-03	1.32E-03	1.48E-03	1.48E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
2765	442216.2	3768203	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.51E-04	2.51E-04	1.10E-04	1.10E-04
2766	442219.8	3768212	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
2767	442223.4	3768221	1.36E-03	1.36E-03	1.53E-03	1.53E-03	2.57E-04	2.57E-04	1.13E-04	1.13E-04
2768	442227	3768229	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
2769	442230.7	3768238	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.64E-04	2.64E-04	1.16E-04	1.16E-04
2770	442234.3	3768246	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
2771	442237.9	3768255	1.44E-03	1.44E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.19E-04	1.19E-04

2772	442241.5	3768264	1.47E-03	1.47E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
2773	442245.2	3768272	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
2774	442248.8	3768281	1.51E-03	1.51E-03	1.71E-03	1.71E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
2775	442252.4	3768289	1.54E-03	1.54E-03	1.73E-03	1.73E-03	2.91E-04	2.91E-04	1.27E-04	1.27E-04
2776	442256	3768298	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
2777	442259.7	3768307	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
2778	442263.3	3768315	1.60E-03	1.60E-03	1.81E-03	1.81E-03	3.03E-04	3.03E-04	1.32E-04	1.32E-04
2779	442266.9	3768324	1.62E-03	1.62E-03	1.83E-03	1.83E-03	3.06E-04	3.06E-04	1.34E-04	1.34E-04
2780	442270.5	3768332	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.10E-04	3.10E-04	1.36E-04	1.36E-04
2781	442274.2	3768341	1.66E-03	1.66E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
2782	442277.8	3768350	1.69E-03	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.40E-04	1.40E-04
2783	442317.6	3768444	2.14E-03	2.14E-03	2.42E-03	2.42E-03	4.05E-04	4.05E-04	1.77E-04	1.77E-04
2784	442321.3	3768453	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.14E-04	4.14E-04	1.81E-04	1.81E-04
2785	442324.9	3768461	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.21E-04	4.21E-04	1.84E-04	1.84E-04
2786	442328.5	3768470	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.30E-04	4.30E-04	1.88E-04	1.88E-04
2787	442332.1	3768479	2.31E-03	2.31E-03	2.61E-03	2.61E-03	4.37E-04	4.37E-04	1.91E-04	1.91E-04
2788	442335.8	3768487	2.36E-03	2.36E-03	2.66E-03	2.66E-03	4.47E-04	4.47E-04	1.95E-04	1.95E-04
2789	442339.4	3768496	2.41E-03	2.41E-03	2.72E-03	2.72E-03	4.56E-04	4.56E-04	2.00E-04	2.00E-04
2790	442343	3768504	2.46E-03	2.46E-03	2.78E-03	2.78E-03	4.66E-04	4.66E-04	2.04E-04	2.04E-04
2791	442346.6	3768513	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
2792	442350.3	3768522	2.57E-03	2.57E-03	2.89E-03	2.89E-03	4.85E-04	4.85E-04	2.12E-04	2.12E-04
2793	441496.7	3767678	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
2794	441487.3	3767678	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.98E-04	2.98E-04	1.30E-04	1.30E-04
2795	441477.9	3767678	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.00E-04	3.00E-04	1.31E-04	1.31E-04
2796	441468.5	3767678	1.60E-03	1.60E-03	1.80E-03	1.80E-03	3.03E-04	3.03E-04	1.32E-04	1.32E-04
2797	441459.1	3767678	1.61E-03	1.61E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.33E-04	1.33E-04
2798	441449.7	3767678	1.63E-03	1.63E-03	1.83E-03	1.83E-03	3.08E-04	3.08E-04	1.35E-04	1.35E-04
2799	441440.3	3767678	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.10E-04	3.10E-04	1.36E-04	1.36E-04
2800	441430.9	3767678	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
2801	441421.5	3767678	1.67E-03	1.67E-03	1.89E-03	1.89E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04
2802	441412.1	3767678	1.69E-03	1.69E-03	1.91E-03	1.91E-03	3.20E-04	3.20E-04	1.40E-04	1.40E-04
2803	441505.5	3767642	1.45E-03	1.45E-03	1.64E-03	1.64E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
2804	441514.1	3767645	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
2805	441522.8	3767649	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.19E-04	1.19E-04
2806	441531.4	3767652	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.72E-04	2.72E-04	1.19E-04	1.19E-04
2807	441540.1	3767656	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.71E-04	2.71E-04	1.19E-04	1.19E-04
2808	441548.7	3767660	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
2809	441557.4	3767663	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.69E-04	2.69E-04	1.18E-04	1.18E-04
2810	441566	3767667	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
2811	441592	3767678	1.40E-03	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.15E-04	1.15E-04
2812	441600.6	3767681	1.39E-03	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
2813	441609.3	3767685	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
2814	441617.9	3767688	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
2815	441626.6	3767692	1.38E-03	1.38E-03	1.56E-03	1.56E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
2816	441635.2	3767695	1.38E-03	1.38E-03	1.56E-03	1.56E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
2817	441643.9	3767699	1.38E-03	1.38E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.14E-04	1.14E-04
2818	441652.5	3767703	1.38E-03	1.38E-03	1.56E-03	1.56E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
2819	441661.2	3767706	1.38E-03	1.38E-03	1.56E-03	1.56E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
2820	441669.8	3767710	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
2821	441678.5	3767713	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.60E-04	2.60E-04	1.14E-04	1.14E-04
2822	441687.1	3767717	1.37E-03	1.37E-03	1.55E-03	1.55E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04
2823	441695.8	3767721	1.37E-03	1.37E-03	1.54E-03	1.54E-03	2.58E-04	2.58E-04	1.13E-04	1.13E-04
2824	441704.4	3767724	1.36E-03	1.36E-03	1.54E-03	1.54E-03	2.57E-04	2.57E-04	1.13E-04	1.13E-04
2825	441713.1	3767728	1.36E-03	1.36E-03	1.53E-03	1.53E-03	2.57E-04	2.57E-04	1.12E-04	1.12E-04
2826	441721.7	3767731	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.56E-04	2.56E-04	1.12E-04	1.12E-04
2827	441730.4	3767735	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
2828	441739.1	3767739	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.53E-04	2.53E-04	1.11E-04	1.11E-04
2829	441747.7	3767742	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.52E-04	2.52E-04	1.10E-04	1.10E-04
2830	441756.4	3767746	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.51E-04	2.51E-04	1.10E-04	1.10E-04
2831	441765	3767749	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.09E-04	1.09E-04
2832	441773.7	3767753	1.32E-03	1.32E-03	1.48E-03	1.48E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
2833	441782.3	3767756	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.08E-04	1.08E-04
2834	441791	3767760	1.31E-03	1.31E-03	1.47E-03	1.47E-03	2.47E-04	2.47E-04	1.08E-04	1.08E-04
2835	441799.6	3767764	1.30E-03	1.30E-03	1.47E-03	1.47E-03	2.46E-04	2.46E-04	1.08E-04	1.08E-04
2836	441808.3	3767767	1.30E-03	1.30E-03	1.46E-03	1.46E-03	2.45E-04	2.45E-04	1.07E-04	1.07E-04
2837	441816.9	3767771	1.29E-03	1.29E-03	1.46E-03	1.46E-03	2.44E-04	2.44E-04	1.07E-04	1.07E-04
2838	441825.6	3767774	1.29E-03	1.29E-03	1.45E-03	1.45E-03	2.43E-04	2.43E-04	1.06E-04	1.06E-04
2839	441834.2	3767778	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.42E-04	2.42E-04	1.06E-04	1.06E-04
2840	441842.9	3767782	1.27E-03	1.27E-03	1.44E-03	1.44E-03	2.41E-04	2.41E-04	1.05E-04	1.05E-04
2841	441851.5	3767785	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
2842	441860.2	3767789	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.38E-04	2.38E-04	1.04E-04	1.04E-04
2843	441868.8	3767792	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.37E-04	2.37E-04	1.04E-04	1.04E-04
2844	441877.5	3767796	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.36E-04	2.36E-04	1.03E-04	1.03E-04

2845	441886.1	3767799	1.24E-03	1.24E-03	1.40E-03	1.40E-03	2.34E-04	2.34E-04	1.03E-04	1.03E-04
2846	441894.8	3767803	1.23E-03	1.23E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
2847	441903.4	3767807	1.23E-03	1.23E-03	1.38E-03	1.38E-03	2.32E-04	2.32E-04	1.01E-04	1.01E-04
2848	441912.1	3767810	1.22E-03	1.22E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.01E-04	1.01E-04
2849	441920.7	3767814	1.21E-03	1.21E-03	1.36E-03	1.36E-03	2.29E-04	2.29E-04	1.00E-04	1.00E-04
2850	441929.4	3767817	1.20E-03	1.20E-03	1.35E-03	1.35E-03	2.27E-04	2.27E-04	9.93E-05	9.93E-05
2851	441938	3767821	1.19E-03	1.19E-03	1.35E-03	1.35E-03	2.26E-04	2.26E-04	9.87E-05	9.87E-05
2852	441946.7	3767825	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.24E-04	2.24E-04	9.81E-05	9.81E-05
2853	441955.4	3767828	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.74E-05	9.74E-05
2854	441998.6	3767846	1.13E-03	1.13E-03	1.27E-03	1.27E-03	2.13E-04	2.13E-04	9.33E-05	9.33E-05
2855	442007.3	3767850	1.12E-03	1.12E-03	1.26E-03	1.26E-03	2.12E-04	2.12E-04	9.25E-05	9.25E-05
2856	442015.9	3767853	1.11E-03	1.11E-03	1.25E-03	1.25E-03	2.10E-04	2.10E-04	9.19E-05	9.19E-05
2857	442024.6	3767857	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.08E-04	2.08E-04	9.11E-05	9.11E-05
2858	442033.2	3767860	1.09E-03	1.09E-03	1.23E-03	1.23E-03	2.07E-04	2.07E-04	9.04E-05	9.04E-05
2859	442041.9	3767864	1.08E-03	1.08E-03	1.22E-03	1.22E-03	2.05E-04	2.05E-04	8.95E-05	8.95E-05
2860	442050.5	3767868	1.07E-03	1.07E-03	1.21E-03	1.21E-03	2.03E-04	2.03E-04	8.86E-05	8.86E-05
2861	442059.2	3767871	1.06E-03	1.06E-03	1.20E-03	1.20E-03	2.01E-04	2.01E-04	8.78E-05	8.78E-05
2862	442067.8	3767875	1.05E-03	1.05E-03	1.18E-03	1.18E-03	1.99E-04	1.99E-04	8.69E-05	8.69E-05
2863	442076.5	3767878	1.04E-03	1.04E-03	1.17E-03	1.17E-03	1.97E-04	1.97E-04	8.60E-05	8.60E-05
2864	442085.1	3767882	1.03E-03	1.03E-03	1.16E-03	1.16E-03	1.95E-04	1.95E-04	8.52E-05	8.52E-05
2865	442093.8	3767885	1.02E-03	1.02E-03	1.15E-03	1.15E-03	1.93E-04	1.93E-04	8.44E-05	8.44E-05
2866	442102.4	3767889	1.01E-03	1.01E-03	1.14E-03	1.14E-03	1.91E-04	1.91E-04	8.37E-05	8.37E-05
2867	442111.1	3767893	1.00E-03	1.00E-03	1.13E-03	1.13E-03	1.90E-04	1.90E-04	8.30E-05	8.30E-05
2868	442119.7	3767896	9.97E-04	9.97E-04	1.12E-03	1.12E-03	1.88E-04	1.88E-04	8.24E-05	8.24E-05
2869	442132	3767908	9.94E-04	9.94E-04	1.12E-03	1.12E-03	1.88E-04	1.88E-04	8.22E-05	8.22E-05
2870	442135.7	3767917	9.99E-04	9.99E-04	1.13E-03	1.13E-03	1.89E-04	1.89E-04	8.26E-05	8.26E-05
2871	442139.3	3767926	1.00E-03	1.00E-03	1.13E-03	1.13E-03	1.90E-04	1.90E-04	8.29E-05	8.29E-05
2872	442142.9	3767934	1.01E-03	1.01E-03	1.14E-03	1.14E-03	1.91E-04	1.91E-04	8.33E-05	8.33E-05
2873	442146.6	3767943	1.01E-03	1.01E-03	1.14E-03	1.14E-03	1.92E-04	1.92E-04	8.38E-05	8.38E-05
2874	442150.2	3767952	1.02E-03	1.02E-03	1.15E-03	1.15E-03	1.93E-04	1.93E-04	8.45E-05	8.45E-05
2875	442153.8	3767960	1.03E-03	1.03E-03	1.16E-03	1.16E-03	1.95E-04	1.95E-04	8.52E-05	8.52E-05
2876	442157.5	3767969	1.04E-03	1.04E-03	1.17E-03	1.17E-03	1.96E-04	1.96E-04	8.59E-05	8.59E-05
2877	442161.1	3767977	1.05E-03	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.65E-05	8.65E-05
2878	442164.8	3767986	1.05E-03	1.05E-03	1.19E-03	1.19E-03	1.99E-04	1.99E-04	8.72E-05	8.72E-05
2879	442168.4	3767995	1.06E-03	1.06E-03	1.20E-03	1.20E-03	2.01E-04	2.01E-04	8.78E-05	8.78E-05
2880	442172	3768003	1.07E-03	1.07E-03	1.20E-03	1.20E-03	2.02E-04	2.02E-04	8.83E-05	8.83E-05
2881	442175.7	3768012	1.07E-03	1.07E-03	1.21E-03	1.21E-03	2.02E-04	2.02E-04	8.86E-05	8.86E-05
2882	442179.3	3768021	1.08E-03	1.08E-03	1.21E-03	1.21E-03	2.03E-04	2.03E-04	8.90E-05	8.90E-05
2883	442182.9	3768029	1.08E-03	1.08E-03	1.22E-03	1.22E-03	2.04E-04	2.04E-04	8.94E-05	8.94E-05
2884	442186.6	3768038	1.09E-03	1.09E-03	1.22E-03	1.22E-03	2.05E-04	2.05E-04	8.97E-05	8.97E-05
2885	442190.2	3768047	1.09E-03	1.09E-03	1.23E-03	1.23E-03	2.06E-04	2.06E-04	9.01E-05	9.01E-05
2886	442193.9	3768055	1.10E-03	1.10E-03	1.23E-03	1.23E-03	2.07E-04	2.07E-04	9.05E-05	9.05E-05
2887	442197.5	3768064	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.08E-04	2.08E-04	9.10E-05	9.10E-05
2888	442201.1	3768072	1.11E-03	1.11E-03	1.25E-03	1.25E-03	2.09E-04	2.09E-04	9.16E-05	9.16E-05
2889	442204.8	3768081	1.12E-03	1.12E-03	1.26E-03	1.26E-03	2.11E-04	2.11E-04	9.22E-05	9.22E-05
2890	442208.4	3768090	1.12E-03	1.12E-03	1.26E-03	1.26E-03	2.12E-04	2.12E-04	9.28E-05	9.28E-05
2891	442219.3	3768116	1.15E-03	1.15E-03	1.30E-03	1.30E-03	2.18E-04	2.18E-04	9.52E-05	9.52E-05
2892	442222.9	3768124	1.16E-03	1.16E-03	1.31E-03	1.31E-03	2.19E-04	2.19E-04	9.60E-05	9.60E-05
2893	442226.6	3768133	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.21E-04	2.21E-04	9.67E-05	9.67E-05
2894	442230.2	3768141	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.76E-05	9.76E-05
2895	442233.9	3768150	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.25E-04	2.25E-04	9.86E-05	9.86E-05
2896	442237.5	3768159	1.20E-03	1.20E-03	1.36E-03	1.36E-03	2.27E-04	2.27E-04	9.95E-05	9.95E-05
2897	442241.1	3768167	1.21E-03	1.21E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.00E-04	1.00E-04
2898	442244.8	3768176	1.23E-03	1.23E-03	1.38E-03	1.38E-03	2.32E-04	2.32E-04	1.01E-04	1.01E-04
2899	442248.4	3768185	1.24E-03	1.24E-03	1.40E-03	1.40E-03	2.34E-04	2.34E-04	1.02E-04	1.02E-04
2900	442252	3768193	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.37E-04	2.37E-04	1.04E-04	1.04E-04
2901	442255.7	3768202	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
2902	442259.3	3768210	1.28E-03	1.28E-03	1.45E-03	1.45E-03	2.43E-04	2.43E-04	1.06E-04	1.06E-04
2903	442263	3768219	1.30E-03	1.30E-03	1.47E-03	1.47E-03	2.46E-04	2.46E-04	1.08E-04	1.08E-04
2904	442266.6	3768228	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.09E-04	1.09E-04
2905	442270.2	3768236	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
2906	442273.9	3768245	1.36E-03	1.36E-03	1.54E-03	1.54E-03	2.58E-04	2.58E-04	1.13E-04	1.13E-04
2907	442277.5	3768254	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
2908	442281.1	3768262	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.66E-04	2.66E-04	1.16E-04	1.16E-04
2909	442284.8	3768271	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.71E-04	2.71E-04	1.18E-04	1.18E-04
2910	442288.4	3768280	1.45E-03	1.45E-03	1.64E-03	1.64E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
2911	442292.1	3768288	1.47E-03	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.22E-04	1.22E-04
2912	442295.7	3768297	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.24E-04	1.24E-04
2913	442299.3	3768305	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
2914	442303	3768314	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.89E-04	2.89E-04	1.26E-04	1.26E-04
2915	442306.6	3768323	1.54E-03	1.54E-03	1.74E-03	1.74E-03	2.92E-04	2.92E-04	1.28E-04	1.28E-04
2916	442310.2	3768331	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
2917	442313.9	3768340	1.58E-03	1.58E-03	1.79E-03	1.79E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04

2918	442353.9	3768435	1.99E-03	1.99E-03	2.24E-03	2.24E-03	3.76E-04	3.76E-04	1.65E-04	1.65E-04
2919	442357.5	3768444	2.03E-03	2.03E-03	2.29E-03	2.29E-03	3.84E-04	3.84E-04	1.68E-04	1.68E-04
2920	442361.2	3768452	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
2921	442364.8	3768461	2.11E-03	2.11E-03	2.38E-03	2.38E-03	3.99E-04	3.99E-04	1.74E-04	1.74E-04
2922	442368.4	3768469	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04
2923	442372.1	3768478	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.14E-04	4.14E-04	1.81E-04	1.81E-04
2924	442375.7	3768487	2.23E-03	2.23E-03	2.52E-03	2.52E-03	4.22E-04	4.22E-04	1.85E-04	1.85E-04
2925	442379.3	3768495	2.28E-03	2.28E-03	2.57E-03	2.57E-03	4.31E-04	4.31E-04	1.89E-04	1.89E-04
2926	442383	3768504	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.40E-04	4.40E-04	1.93E-04	1.93E-04
2927	442386.6	3768513	2.38E-03	2.38E-03	2.68E-03	2.68E-03	4.50E-04	4.50E-04	1.97E-04	1.97E-04
2928	442390.2	3768521	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.61E-04	4.61E-04	2.01E-04	2.01E-04
2929	441496.8	3767638	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
2930	441487.4	3767638	1.47E-03	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.22E-04	1.22E-04
2931	441478	3767638	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.23E-04	1.23E-04
2932	441468.6	3767638	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.83E-04	2.83E-04	1.24E-04	1.24E-04
2933	441459.2	3767638	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
2934	441449.8	3767638	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
2935	441440.4	3767638	1.54E-03	1.54E-03	1.74E-03	1.74E-03	2.92E-04	2.92E-04	1.28E-04	1.28E-04
2936	441431.1	3767638	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
2937	441421.7	3767638	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.98E-04	2.98E-04	1.30E-04	1.30E-04
2938	441412.3	3767638	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.01E-04	3.01E-04	1.32E-04	1.32E-04
2939	441389.3	3768548	8.04E-02	8.04E-02	9.07E-02	9.07E-02	1.52E-02	1.52E-02	6.65E-03	6.65E-03
2940	441389.3	3768558	8.64E-02	8.64E-02	9.74E-02	9.74E-02	1.63E-02	1.63E-02	7.14E-03	7.14E-03
2941	441389.2	3768567	9.21E-02	9.21E-02	1.04E-01	1.04E-01	1.74E-02	1.74E-02	7.62E-03	7.62E-03
2942	441389.2	3768577	9.82E-02	9.82E-02	1.11E-01	1.11E-01	1.86E-02	1.86E-02	8.12E-03	8.12E-03
2943	441389.1	3768587	1.06E-01	1.06E-01	1.19E-01	1.19E-01	2.00E-02	2.00E-02	8.73E-03	8.73E-03
2944	441389	3768597	1.16E-01	1.16E-01	1.30E-01	1.30E-01	2.19E-02	2.19E-02	9.57E-03	9.57E-03
2945	441389	3768607	1.32E-01	1.32E-01	1.48E-01	1.48E-01	2.49E-02	2.49E-02	1.09E-02	1.09E-02
2946	441388.9	3768617	1.59E-01	1.59E-01	1.79E-01	1.79E-01	3.00E-02	3.00E-02	1.31E-02	1.31E-02
2947	441369.3	3768548	6.92E-02	6.92E-02	7.80E-02	7.80E-02	1.31E-02	1.31E-02	5.72E-03	5.72E-03
2948	441369.3	3768557	7.54E-02	7.54E-02	8.50E-02	8.50E-02	1.43E-02	1.43E-02	6.24E-03	6.24E-03
2949	441369.2	3768567	8.26E-02	8.26E-02	9.31E-02	9.31E-02	1.56E-02	1.56E-02	6.83E-03	6.83E-03
2950	441369.2	3768577	9.01E-02	9.01E-02	1.02E-01	1.02E-01	1.70E-02	1.70E-02	7.45E-03	7.45E-03
2951	441369.1	3768587	9.93E-02	9.93E-02	1.12E-01	1.12E-01	1.88E-02	1.88E-02	8.21E-03	8.21E-03
2952	441369	3768597	1.13E-01	1.13E-01	1.27E-01	1.27E-01	2.13E-02	2.13E-02	9.31E-03	9.31E-03
2953	441369	3768607	1.34E-01	1.34E-01	1.51E-01	1.51E-01	2.53E-02	2.53E-02	1.10E-02	1.10E-02
2954	441349.4	3768538	5.79E-02	5.79E-02	6.52E-02	6.52E-02	1.09E-02	1.09E-02	4.78E-03	4.78E-03
2955	441349.3	3768547	6.33E-02	6.33E-02	7.13E-02	7.13E-02	1.20E-02	1.20E-02	5.23E-03	5.23E-03
2956	441349.3	3768557	6.99E-02	6.99E-02	7.88E-02	7.88E-02	1.32E-02	1.32E-02	5.78E-03	5.78E-03
2957	441349.2	3768567	7.79E-02	7.79E-02	8.78E-02	8.78E-02	1.47E-02	1.47E-02	6.44E-03	6.44E-03
2958	441349.2	3768577	8.70E-02	8.70E-02	9.81E-02	9.81E-02	1.65E-02	1.65E-02	7.20E-03	7.20E-03
2959	441349.1	3768587	9.89E-02	9.89E-02	1.12E-01	1.12E-01	1.87E-02	1.87E-02	8.18E-03	8.18E-03
2960	441349	3768597	1.16E-01	1.16E-01	1.31E-01	1.31E-01	2.19E-02	2.19E-02	9.58E-03	9.58E-03
2961	441349	3768607	1.40E-01	1.40E-01	1.58E-01	1.58E-01	2.65E-02	2.65E-02	1.16E-02	1.16E-02
2962	441329.3	3768547	5.97E-02	5.97E-02	6.72E-02	6.72E-02	1.13E-02	1.13E-02	4.93E-03	4.93E-03
2963	441329.3	3768557	6.63E-02	6.63E-02	7.47E-02	7.47E-02	1.25E-02	1.25E-02	5.48E-03	5.48E-03
2964	441329.2	3768567	7.45E-02	7.45E-02	8.40E-02	8.40E-02	1.41E-02	1.41E-02	6.16E-03	6.16E-03
2965	441329.2	3768577	8.46E-02	8.46E-02	9.54E-02	9.54E-02	1.60E-02	1.60E-02	7.00E-03	7.00E-03
2966	441329.1	3768587	9.81E-02	9.81E-02	1.11E-01	1.11E-01	1.85E-02	1.85E-02	8.11E-03	8.11E-03
2967	441329	3768597	1.17E-01	1.17E-01	1.32E-01	1.32E-01	2.21E-02	2.21E-02	9.67E-03	9.67E-03
2968	441329	3768607	1.42E-01	1.42E-01	1.61E-01	1.61E-01	2.69E-02	2.69E-02	1.18E-02	1.18E-02
2969	441309.4	3768537	5.19E-02	5.19E-02	5.85E-02	5.85E-02	9.81E-03	9.81E-03	4.29E-03	4.29E-03
2970	441309.3	3768547	5.73E-02	5.73E-02	6.45E-02	6.45E-02	1.08E-02	1.08E-02	4.73E-03	4.73E-03
2971	441309.3	3768557	6.41E-02	6.41E-02	7.22E-02	7.22E-02	1.21E-02	1.21E-02	5.30E-03	5.30E-03
2972	441309.2	3768567	7.26E-02	7.26E-02	8.18E-02	8.18E-02	1.37E-02	1.37E-02	6.00E-03	6.00E-03
2973	441309.2	3768577	8.24E-02	8.24E-02	9.29E-02	9.29E-02	1.56E-02	1.56E-02	6.82E-03	6.82E-03
2974	441309.1	3768587	9.48E-02	9.48E-02	1.07E-01	1.07E-01	1.79E-02	1.79E-02	7.84E-03	7.84E-03
2975	441309	3768597	1.12E-01	1.12E-01	1.26E-01	1.26E-01	2.11E-02	2.11E-02	9.23E-03	9.23E-03
2976	441309	3768607	1.35E-01	1.35E-01	1.52E-01	1.52E-01	2.55E-02	2.55E-02	1.12E-02	1.12E-02
2977	441289.4	3768537	5.03E-02	5.03E-02	5.67E-02	5.67E-02	9.51E-03	9.51E-03	4.16E-03	4.16E-03
2978	441289.3	3768547	5.56E-02	5.56E-02	6.27E-02	6.27E-02	1.05E-02	1.05E-02	4.60E-03	4.60E-03
2979	441289.3	3768557	6.23E-02	6.23E-02	7.03E-02	7.03E-02	1.18E-02	1.18E-02	5.15E-03	5.15E-03
2980	441289.2	3768567	7.07E-02	7.07E-02	7.97E-02	7.97E-02	1.34E-02	1.34E-02	5.85E-03	5.85E-03
2981	441289.2	3768577	8.02E-02	8.02E-02	9.04E-02	9.04E-02	1.52E-02	1.52E-02	6.63E-03	6.63E-03
2982	441289.1	3768587	9.17E-02	9.17E-02	1.03E-01	1.03E-01	1.73E-02	1.73E-02	7.58E-03	7.58E-03
2983	441289	3768597	1.07E-01	1.07E-01	1.21E-01	1.21E-01	2.02E-02	2.02E-02	8.85E-03	8.85E-03
2984	441289	3768606	1.28E-01	1.28E-01	1.44E-01	1.44E-01	2.41E-02	2.41E-02	1.06E-02	1.06E-02
2985	441400.8	3768402	1.78E-02	1.78E-02	2.01E-02	2.01E-02	3.37E-03	3.37E-03	1.47E-03	1.47E-03
2986	441269.4	3768537	4.89E-02	4.89E-02	5.51E-02	5.51E-02	9.25E-03	9.25E-03	4.04E-03	4.04E-03
2987	441269.3	3768547	5.40E-02	5.40E-02	6.08E-02	6.08E-02	1.02E-02	1.02E-02	4.46E-03	4.46E-03
2988	441269.3	3768557	6.03E-02	6.03E-02	6.79E-02	6.79E-02	1.14E-02	1.14E-02	4.98E-03	4.98E-03
2989	441269.2	3768567	6.80E-02	6.80E-02	7.67E-02	7.67E-02	1.29E-02	1.29E-02	5.62E-03	5.62E-03
2990	441269.2	3768577	7.68E-02	7.68E-02	8.66E-02	8.66E-02	1.45E-02	1.45E-02	6.35E-03	6.35E-03

2991	441269.1	3768587	8.75E-02	8.75E-02	9.86E-02	9.86E-02	1.65E-02	1.65E-02	7.23E-03	7.23E-03
2992	441269	3768596	1.02E-01	1.02E-01	1.14E-01	1.14E-01	1.92E-02	1.92E-02	8.39E-03	8.39E-03
2993	441269	3768606	1.19E-01	1.19E-01	1.34E-01	1.34E-01	2.24E-02	2.24E-02	9.81E-03	9.81E-03
2994	441256.7	3768520	4.13E-02	4.13E-02	4.65E-02	4.65E-02	7.80E-03	7.80E-03	3.41E-03	3.41E-03
2995	441401.2	3768381	1.55E-02	1.55E-02	1.75E-02	1.75E-02	2.93E-03	2.93E-03	1.28E-03	1.28E-03
2996	441400.9	3768362	1.37E-02	1.37E-02	1.54E-02	1.54E-02	2.58E-03	2.58E-03	1.13E-03	1.13E-03
2997	441229.4	3768537	4.37E-02	4.37E-02	4.93E-02	4.93E-02	8.26E-03	8.26E-03	3.61E-03	3.61E-03
2998	441229.3	3768547	4.73E-02	4.73E-02	5.33E-02	5.33E-02	8.94E-03	8.94E-03	3.91E-03	3.91E-03
2999	441229.3	3768557	5.14E-02	5.14E-02	5.79E-02	5.79E-02	9.72E-03	9.72E-03	4.25E-03	4.25E-03
3000	441229.2	3768566	5.60E-02	5.60E-02	6.32E-02	6.32E-02	1.06E-02	1.06E-02	4.63E-03	4.63E-03
3001	441229.2	3768576	6.11E-02	6.11E-02	6.88E-02	6.88E-02	1.15E-02	1.15E-02	5.05E-03	5.05E-03
3002	441229.1	3768586	6.66E-02	6.66E-02	7.51E-02	7.51E-02	1.26E-02	1.26E-02	5.51E-03	5.51E-03
3003	441229	3768596	7.26E-02	7.26E-02	8.19E-02	8.19E-02	1.37E-02	1.37E-02	6.00E-03	6.00E-03
3004	441229	3768606	7.83E-02	7.83E-02	8.82E-02	8.82E-02	1.48E-02	1.48E-02	6.47E-03	6.47E-03
3005	441228.9	3768616	8.28E-02	8.28E-02	9.33E-02	9.33E-02	1.57E-02	1.57E-02	6.85E-03	6.85E-03
3006	441228.9	3768626	8.61E-02	8.61E-02	9.70E-02	9.70E-02	1.63E-02	1.63E-02	7.12E-03	7.12E-03
3007	441220.5	3768510	3.49E-02	3.49E-02	3.93E-02	3.93E-02	6.59E-03	6.59E-03	2.88E-03	2.88E-03
3008	441224.2	3768501	3.35E-02	3.35E-02	3.77E-02	3.77E-02	6.33E-03	6.33E-03	2.77E-03	2.77E-03
3009	441227.9	3768493	3.21E-02	3.21E-02	3.62E-02	3.62E-02	6.07E-03	6.07E-03	2.66E-03	2.66E-03
3010	441231.6	3768484	3.08E-02	3.08E-02	3.47E-02	3.47E-02	5.82E-03	5.82E-03	2.55E-03	2.55E-03
3011	441401.2	3768341	1.21E-02	1.21E-02	1.37E-02	1.37E-02	2.29E-03	2.29E-03	1.00E-03	1.00E-03
3012	441209.4	3768537	3.99E-02	3.99E-02	4.50E-02	4.50E-02	7.54E-03	7.54E-03	3.30E-03	3.30E-03
3013	441209.3	3768547	4.26E-02	4.26E-02	4.81E-02	4.81E-02	8.06E-03	8.06E-03	3.53E-03	3.53E-03
3014	441209.3	3768556	4.56E-02	4.56E-02	5.14E-02	5.14E-02	8.62E-03	8.62E-03	3.77E-03	3.77E-03
3015	441209.2	3768566	4.87E-02	4.87E-02	5.49E-02	5.49E-02	9.21E-03	9.21E-03	4.03E-03	4.03E-03
3016	441209.2	3768576	5.19E-02	5.19E-02	5.85E-02	5.85E-02	9.81E-03	9.81E-03	4.29E-03	4.29E-03
3017	441209.1	3768586	5.50E-02	5.50E-02	6.20E-02	6.20E-02	1.04E-02	1.04E-02	4.55E-03	4.55E-03
3018	441209	3768596	5.81E-02	5.81E-02	6.55E-02	6.55E-02	1.10E-02	1.10E-02	4.80E-03	4.80E-03
3019	441209	3768606	6.06E-02	6.06E-02	6.83E-02	6.83E-02	1.14E-02	1.14E-02	5.01E-03	5.01E-03
3020	441208.9	3768616	6.23E-02	6.23E-02	7.03E-02	7.03E-02	1.18E-02	1.18E-02	5.15E-03	5.15E-03
3021	441208.9	3768626	6.35E-02	6.35E-02	7.16E-02	7.16E-02	1.20E-02	1.20E-02	5.25E-03	5.25E-03
3022	441200.9	3768509	3.24E-02	3.24E-02	3.65E-02	3.65E-02	6.13E-03	6.13E-03	2.68E-03	2.68E-03
3023	441204.7	3768500	3.13E-02	3.13E-02	3.53E-02	3.53E-02	5.92E-03	5.92E-03	2.59E-03	2.59E-03
3024	441208.6	3768491	3.02E-02	3.02E-02	3.40E-02	3.40E-02	5.70E-03	5.70E-03	2.49E-03	2.49E-03
3025	441212.4	3768482	2.90E-02	2.90E-02	3.27E-02	3.27E-02	5.49E-03	5.49E-03	2.40E-03	2.40E-03
3026	441400.9	3768322	1.09E-02	1.09E-02	1.22E-02	1.22E-02	2.05E-03	2.05E-03	8.98E-04	8.98E-04
3027	441189.4	3768537	3.59E-02	3.59E-02	4.05E-02	4.05E-02	6.79E-03	6.79E-03	2.97E-03	2.97E-03
3028	441189.3	3768546	3.78E-02	3.78E-02	4.26E-02	4.26E-02	7.15E-03	7.15E-03	3.13E-03	3.13E-03
3029	441189.3	3768556	3.98E-02	3.98E-02	4.48E-02	4.48E-02	7.52E-03	7.52E-03	3.29E-03	3.29E-03
3030	441189.2	3768566	4.17E-02	4.17E-02	4.70E-02	4.70E-02	7.89E-03	7.89E-03	3.45E-03	3.45E-03
3031	441189.2	3768576	4.36E-02	4.36E-02	4.92E-02	4.92E-02	8.25E-03	8.25E-03	3.61E-03	3.61E-03
3032	441189.1	3768586	4.54E-02	4.54E-02	5.12E-02	5.12E-02	8.58E-03	8.58E-03	3.75E-03	3.75E-03
3033	441189	3768596	4.70E-02	4.70E-02	5.30E-02	5.30E-02	8.89E-03	8.89E-03	3.89E-03	3.89E-03
3034	441189	3768606	4.83E-02	4.83E-02	5.44E-02	5.44E-02	9.13E-03	9.13E-03	3.99E-03	3.99E-03
3035	441188.9	3768616	4.92E-02	4.92E-02	5.54E-02	5.54E-02	9.29E-03	9.29E-03	4.06E-03	4.06E-03
3036	441188.9	3768626	4.97E-02	4.97E-02	5.60E-02	5.60E-02	9.39E-03	9.39E-03	4.11E-03	4.11E-03
3037	441180.6	3768510	3.01E-02	3.01E-02	3.40E-02	3.40E-02	5.70E-03	5.70E-03	2.49E-03	2.49E-03
3038	441184.4	3768501	2.94E-02	2.94E-02	3.32E-02	3.32E-02	5.57E-03	5.57E-03	2.43E-03	2.43E-03
3039	441188.1	3768492	2.87E-02	2.87E-02	3.23E-02	3.23E-02	5.42E-03	5.42E-03	2.37E-03	2.37E-03
3040	441191.8	3768483	2.78E-02	2.78E-02	3.14E-02	3.14E-02	5.26E-03	5.26E-03	2.30E-03	2.30E-03
3041	441401.2	3768302	9.74E-03	9.74E-03	1.10E-02	1.10E-02	1.84E-03	1.84E-03	8.06E-04	8.06E-04
3042	441169.4	3768536	3.21E-02	3.21E-02	3.62E-02	3.62E-02	6.07E-03	6.07E-03	2.65E-03	2.65E-03
3043	441169.3	3768546	3.34E-02	3.34E-02	3.76E-02	3.76E-02	6.30E-03	6.30E-03	2.76E-03	2.76E-03
3044	441169.3	3768556	3.46E-02	3.46E-02	3.90E-02	3.90E-02	6.54E-03	6.54E-03	2.86E-03	2.86E-03
3045	441169.2	3768566	3.58E-02	3.58E-02	4.03E-02	4.03E-02	6.76E-03	6.76E-03	2.96E-03	2.96E-03
3046	441169.2	3768576	3.69E-02	3.69E-02	4.16E-02	4.16E-02	6.98E-03	6.98E-03	3.05E-03	3.05E-03
3047	441169.1	3768586	3.80E-02	3.80E-02	4.28E-02	4.28E-02	7.18E-03	7.18E-03	3.14E-03	3.14E-03
3048	441169	3768596	3.89E-02	3.89E-02	4.38E-02	4.38E-02	7.35E-03	7.35E-03	3.22E-03	3.22E-03
3049	441169	3768606	3.96E-02	3.96E-02	4.46E-02	4.46E-02	7.48E-03	7.48E-03	3.27E-03	3.27E-03
3050	441168.9	3768616	3.99E-02	3.99E-02	4.50E-02	4.50E-02	7.55E-03	7.55E-03	3.30E-03	3.30E-03
3051	441168.9	3768626	4.01E-02	4.01E-02	4.52E-02	4.52E-02	7.58E-03	7.58E-03	3.32E-03	3.32E-03
3052	441160.4	3768510	2.77E-02	2.77E-02	3.12E-02	3.12E-02	5.23E-03	5.23E-03	2.29E-03	2.29E-03
3053	441164.1	3768501	2.73E-02	2.73E-02	3.07E-02	3.07E-02	5.15E-03	5.15E-03	2.25E-03	2.25E-03
3054	441167.7	3768493	2.68E-02	2.68E-02	3.02E-02	3.02E-02	5.06E-03	5.06E-03	2.21E-03	2.21E-03
3055	441171.4	3768484	2.62E-02	2.62E-02	2.96E-02	2.96E-02	4.96E-03	4.96E-03	2.17E-03	2.17E-03
3056	441401.5	3768281	8.82E-03	8.82E-03	9.94E-03	9.94E-03	1.67E-03	1.67E-03	7.29E-04	7.29E-04
3057	441149.4	3768536	2.86E-02	2.86E-02	3.22E-02	3.22E-02	5.40E-03	5.40E-03	2.36E-03	2.36E-03
3058	441149.3	3768546	2.93E-02	2.93E-02	3.31E-02	3.31E-02	5.55E-03	5.55E-03	2.43E-03	2.43E-03
3059	441149.3	3768556	3.01E-02	3.01E-02	3.39E-02	3.39E-02	5.69E-03	5.69E-03	2.49E-03	2.49E-03
3060	441149.2	3768566	3.08E-02	3.08E-02	3.47E-02	3.47E-02	5.81E-03	5.81E-03	2.54E-03	2.54E-03
3061	441149.2	3768576	3.15E-02	3.15E-02	3.55E-02	3.55E-02	5.95E-03	5.95E-03	2.60E-03	2.60E-03
3062	441149.1	3768586	3.21E-02	3.21E-02	3.62E-02	3.62E-02	6.08E-03	6.08E-03	2.66E-03	2.66E-03
3063	441149	3768596	3.27E-02	3.27E-02	3.68E-02	3.68E-02	6.18E-03	6.18E-03	2.70E-03	2.70E-03

3064	441149	3768606	3.30E-02	3.30E-02	3.72E-02	3.72E-02	6.24E-03	6.24E-03	2.73E-03	2.73E-03
3065	441148.9	3768616	3.31E-02	3.31E-02	3.73E-02	3.73E-02	6.26E-03	6.26E-03	2.74E-03	2.74E-03
3066	441148.9	3768625	3.31E-02	3.31E-02	3.73E-02	3.73E-02	6.25E-03	6.25E-03	2.74E-03	2.74E-03
3067	441140.7	3768509	2.51E-02	2.51E-02	2.83E-02	2.83E-02	4.75E-03	4.75E-03	2.08E-03	2.08E-03
3068	441144.5	3768500	2.49E-02	2.49E-02	2.81E-02	2.81E-02	4.71E-03	4.71E-03	2.06E-03	2.06E-03
3069	441148.2	3768491	2.46E-02	2.46E-02	2.78E-02	2.78E-02	4.66E-03	4.66E-03	2.04E-03	2.04E-03
3070	441152	3768482	2.43E-02	2.43E-02	2.74E-02	2.74E-02	4.59E-03	4.59E-03	2.01E-03	2.01E-03
3071	441401.3	3768262	8.05E-03	8.05E-03	9.07E-03	9.07E-03	1.52E-03	1.52E-03	6.66E-04	6.66E-04
3072	441129.4	3768536	2.54E-02	2.54E-02	2.86E-02	2.86E-02	4.79E-03	4.79E-03	2.10E-03	2.10E-03
3073	441129.3	3768546	2.58E-02	2.58E-02	2.91E-02	2.91E-02	4.88E-03	4.88E-03	2.14E-03	2.14E-03
3074	441129.3	3768556	2.63E-02	2.63E-02	2.96E-02	2.96E-02	4.96E-03	4.96E-03	2.17E-03	2.17E-03
3075	441129.2	3768566	2.66E-02	2.66E-02	3.00E-02	3.00E-02	5.03E-03	5.03E-03	2.20E-03	2.20E-03
3076	441129.2	3768576	2.70E-02	2.70E-02	3.04E-02	3.04E-02	5.10E-03	5.10E-03	2.23E-03	2.23E-03
3077	441129.1	3768586	2.73E-02	2.73E-02	3.08E-02	3.08E-02	5.16E-03	5.16E-03	2.26E-03	2.26E-03
3078	441129	3768596	2.76E-02	2.76E-02	3.11E-02	3.11E-02	5.21E-03	5.21E-03	2.28E-03	2.28E-03
3079	441129	3768605	2.77E-02	2.77E-02	3.13E-02	3.13E-02	5.24E-03	5.24E-03	2.29E-03	2.29E-03
3080	441128.9	3768615	2.78E-02	2.78E-02	3.13E-02	3.13E-02	5.25E-03	5.25E-03	2.30E-03	2.30E-03
3081	441128.9	3768625	2.77E-02	2.77E-02	3.12E-02	3.12E-02	5.24E-03	5.24E-03	2.29E-03	2.29E-03
3082	441120.5	3768510	2.27E-02	2.27E-02	2.56E-02	2.56E-02	4.29E-03	4.29E-03	1.88E-03	1.88E-03
3083	441124.2	3768501	2.26E-02	2.26E-02	2.55E-02	2.55E-02	4.27E-03	4.27E-03	1.87E-03	1.87E-03
3084	441127.9	3768492	2.25E-02	2.25E-02	2.53E-02	2.53E-02	4.25E-03	4.25E-03	1.86E-03	1.86E-03
3085	441131.6	3768483	2.23E-02	2.23E-02	2.51E-02	2.51E-02	4.21E-03	4.21E-03	1.84E-03	1.84E-03
3086	441401.5	3768241	7.37E-03	7.37E-03	8.31E-03	8.31E-03	1.39E-03	1.39E-03	6.10E-04	6.10E-04
3087	441109.4	3768536	2.25E-02	2.25E-02	2.53E-02	2.53E-02	4.25E-03	4.25E-03	1.86E-03	1.86E-03
3088	441109.3	3768546	2.28E-02	2.28E-02	2.57E-02	2.57E-02	4.31E-03	4.31E-03	1.88E-03	1.88E-03
3089	441109.3	3768556	2.30E-02	2.30E-02	2.59E-02	2.59E-02	4.35E-03	4.35E-03	1.90E-03	1.90E-03
3090	441109.2	3768566	2.32E-02	2.32E-02	2.62E-02	2.62E-02	4.39E-03	4.39E-03	1.92E-03	1.92E-03
3091	441109.2	3768576	2.34E-02	2.34E-02	2.64E-02	2.64E-02	4.42E-03	4.42E-03	1.93E-03	1.93E-03
3092	441109.1	3768586	2.36E-02	2.36E-02	2.65E-02	2.65E-02	4.45E-03	4.45E-03	1.95E-03	1.95E-03
3093	441109	3768595	2.36E-02	2.36E-02	2.66E-02	2.66E-02	4.47E-03	4.47E-03	1.95E-03	1.95E-03
3094	441109	3768605	2.37E-02	2.37E-02	2.67E-02	2.67E-02	4.48E-03	4.48E-03	1.96E-03	1.96E-03
3095	441108.9	3768615	2.37E-02	2.37E-02	2.67E-02	2.67E-02	4.47E-03	4.47E-03	1.96E-03	1.96E-03
3096	441108.9	3768625	2.35E-02	2.35E-02	2.65E-02	2.65E-02	4.45E-03	4.45E-03	1.95E-03	1.95E-03
3097	441076.9	3768518	1.82E-02	1.82E-02	2.05E-02	2.05E-02	3.43E-03	3.43E-03	1.50E-03	1.50E-03
3098	441080.6	3768509	1.83E-02	1.83E-02	2.06E-02	2.06E-02	3.46E-03	3.46E-03	1.51E-03	1.51E-03
3099	441084.3	3768500	1.84E-02	1.84E-02	2.08E-02	2.08E-02	3.48E-03	3.48E-03	1.52E-03	1.52E-03
3100	441088	3768491	1.85E-02	1.85E-02	2.08E-02	2.08E-02	3.49E-03	3.49E-03	1.53E-03	1.53E-03
3101	441091.8	3768483	1.85E-02	1.85E-02	2.08E-02	2.08E-02	3.49E-03	3.49E-03	1.53E-03	1.53E-03
3102	441095.5	3768474	1.84E-02	1.84E-02	2.07E-02	2.07E-02	3.48E-03	3.48E-03	1.52E-03	1.52E-03
3103	441099.2	3768465	1.83E-02	1.83E-02	2.06E-02	2.06E-02	3.46E-03	3.46E-03	1.51E-03	1.51E-03
3104	441401.6	3768202	6.25E-03	6.25E-03	7.05E-03	7.05E-03	1.18E-03	1.18E-03	5.17E-04	5.17E-04
3105	441069.4	3768536	1.77E-02	1.77E-02	2.00E-02	2.00E-02	3.35E-03	3.35E-03	1.47E-03	1.47E-03
3106	441069.3	3768546	1.78E-02	1.78E-02	2.01E-02	2.01E-02	3.37E-03	3.37E-03	1.48E-03	1.48E-03
3107	441069.3	3768556	1.79E-02	1.79E-02	2.02E-02	2.02E-02	3.39E-03	3.39E-03	1.48E-03	1.48E-03
3108	441069.2	3768566	1.80E-02	1.80E-02	2.02E-02	2.02E-02	3.40E-03	3.40E-03	1.49E-03	1.49E-03
3109	441069.2	3768575	1.80E-02	1.80E-02	2.03E-02	2.03E-02	3.40E-03	3.40E-03	1.49E-03	1.49E-03
3110	441069.1	3768585	1.80E-02	1.80E-02	2.03E-02	2.03E-02	3.41E-03	3.41E-03	1.49E-03	1.49E-03
3111	441069	3768595	1.80E-02	1.80E-02	2.03E-02	2.03E-02	3.41E-03	3.41E-03	1.49E-03	1.49E-03
3112	441069	3768605	1.80E-02	1.80E-02	2.02E-02	2.02E-02	3.39E-03	3.39E-03	1.48E-03	1.48E-03
3113	441068.9	3768615	1.78E-02	1.78E-02	2.01E-02	2.01E-02	3.37E-03	3.37E-03	1.47E-03	1.47E-03
3114	441068.9	3768625	1.76E-02	1.76E-02	1.99E-02	1.99E-02	3.33E-03	3.33E-03	1.46E-03	1.46E-03
3115	441040.7	3768509	1.49E-02	1.49E-02	1.68E-02	1.68E-02	2.82E-03	2.82E-03	1.24E-03	1.24E-03
3116	441044.4	3768500	1.51E-02	1.51E-02	1.70E-02	1.70E-02	2.85E-03	2.85E-03	1.25E-03	1.25E-03
3117	441048.2	3768491	1.52E-02	1.52E-02	1.72E-02	1.72E-02	2.88E-03	2.88E-03	1.26E-03	1.26E-03
3118	441051.9	3768482	1.53E-02	1.53E-02	1.73E-02	1.73E-02	2.89E-03	2.89E-03	1.27E-03	1.27E-03
3119	441055.7	3768473	1.53E-02	1.53E-02	1.73E-02	1.73E-02	2.90E-03	2.90E-03	1.27E-03	1.27E-03
3120	441059.4	3768464	1.53E-02	1.53E-02	1.73E-02	1.73E-02	2.90E-03	2.90E-03	1.27E-03	1.27E-03
3121	441401.7	3768162	5.36E-03	5.36E-03	6.05E-03	6.05E-03	1.01E-03	1.01E-03	4.43E-04	4.43E-04
3122	440996.9	3768517	1.22E-02	1.22E-02	1.38E-02	1.38E-02	2.31E-03	2.31E-03	1.01E-03	1.01E-03
3123	441000.7	3768508	1.24E-02	1.24E-02	1.40E-02	1.40E-02	2.34E-03	2.34E-03	1.02E-03	1.02E-03
3124	441004.5	3768499	1.26E-02	1.26E-02	1.41E-02	1.41E-02	2.37E-03	2.37E-03	1.04E-03	1.04E-03
3125	441008.2	3768491	1.27E-02	1.27E-02	1.43E-02	1.43E-02	2.40E-03	2.40E-03	1.05E-03	1.05E-03
3126	441012	3768482	1.28E-02	1.28E-02	1.45E-02	1.45E-02	2.43E-03	2.43E-03	1.06E-03	1.06E-03
3127	441015.8	3768473	1.29E-02	1.29E-02	1.46E-02	1.46E-02	2.44E-03	2.44E-03	1.07E-03	1.07E-03
3128	441019.6	3768464	1.30E-02	1.30E-02	1.46E-02	1.46E-02	2.46E-03	2.46E-03	1.07E-03	1.07E-03
3129	441401.7	3768122	4.63E-03	4.63E-03	5.21E-03	5.21E-03	8.74E-04	8.74E-04	3.82E-04	3.82E-04
3130	440989.3	3768545	1.18E-02	1.18E-02	1.33E-02	1.33E-02	2.23E-03	2.23E-03	9.76E-04	9.76E-04
3131	440989.3	3768555	1.18E-02	1.18E-02	1.33E-02	1.33E-02	2.23E-03	2.23E-03	9.73E-04	9.73E-04
3132	440989.2	3768565	1.17E-02	1.17E-02	1.32E-02	1.32E-02	2.22E-03	2.22E-03	9.69E-04	9.69E-04
3133	440989.2	3768575	1.17E-02	1.17E-02	1.31E-02	1.31E-02	2.20E-03	2.20E-03	9.63E-04	9.63E-04
3134	440989.1	3768585	1.16E-02	1.16E-02	1.30E-02	1.30E-02	2.18E-03	2.18E-03	9.55E-04	9.55E-04
3135	440989	3768595	1.14E-02	1.14E-02	1.29E-02	1.29E-02	2.16E-03	2.16E-03	9.46E-04	9.46E-04
3136	440989	3768605	1.13E-02	1.13E-02	1.28E-02	1.28E-02	2.14E-03	2.14E-03	9.36E-04	9.36E-04

3137	440988.9	3768615	1.12E-02	1.12E-02	1.26E-02	1.26E-02	2.11E-03	2.11E-03	9.24E-04	9.24E-04
3138	440988.9	3768624	1.10E-02	1.10E-02	1.24E-02	1.24E-02	2.08E-03	2.08E-03	9.11E-04	9.11E-04
3139	440957	3768517	1.03E-02	1.03E-02	1.16E-02	1.16E-02	1.95E-03	1.95E-03	8.51E-04	8.51E-04
3140	440960.8	3768508	1.05E-02	1.05E-02	1.18E-02	1.18E-02	1.98E-03	1.98E-03	8.66E-04	8.66E-04
3141	440964.5	3768499	1.06E-02	1.06E-02	1.20E-02	1.20E-02	2.01E-03	2.01E-03	8.79E-04	8.79E-04
3142	440968.3	3768490	1.08E-02	1.08E-02	1.22E-02	1.22E-02	2.04E-03	2.04E-03	8.92E-04	8.92E-04
3143	440972.1	3768481	1.09E-02	1.09E-02	1.23E-02	1.23E-02	2.06E-03	2.06E-03	9.03E-04	9.03E-04
3144	440975.9	3768472	1.10E-02	1.10E-02	1.24E-02	1.24E-02	2.09E-03	2.09E-03	9.13E-04	9.13E-04
3145	440979.7	3768463	1.12E-02	1.12E-02	1.26E-02	1.26E-02	2.11E-03	2.11E-03	9.22E-04	9.22E-04
3146	441401.8	3768082	4.16E-03	4.16E-03	4.69E-03	4.69E-03	7.86E-04	7.86E-04	3.44E-04	3.44E-04
3147	440949.3	3768545	9.87E-03	9.87E-03	1.11E-02	1.11E-02	1.87E-03	1.87E-03	8.16E-04	8.16E-04
3148	440949.3	3768555	9.82E-03	9.82E-03	1.11E-02	1.11E-02	1.86E-03	1.86E-03	8.12E-04	8.12E-04
3149	440949.2	3768565	9.75E-03	9.75E-03	1.10E-02	1.10E-02	1.84E-03	1.84E-03	8.06E-04	8.06E-04
3150	440949.2	3768575	9.67E-03	9.67E-03	1.09E-02	1.09E-02	1.83E-03	1.83E-03	7.99E-04	7.99E-04
3151	440949.1	3768585	9.57E-03	9.57E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.91E-04	7.91E-04
3152	440949	3768595	9.46E-03	9.46E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.82E-04	7.82E-04
3153	440949	3768604	9.34E-03	9.34E-03	1.05E-02	1.05E-02	1.77E-03	1.77E-03	7.72E-04	7.72E-04
3154	440948.9	3768614	9.21E-03	9.21E-03	1.04E-02	1.04E-02	1.74E-03	1.74E-03	7.62E-04	7.62E-04
3155	440948.9	3768624	9.08E-03	9.08E-03	1.02E-02	1.02E-02	1.72E-03	1.72E-03	7.51E-04	7.51E-04
3156	440917	3768517	8.69E-03	8.69E-03	9.80E-03	9.80E-03	1.64E-03	1.64E-03	7.19E-04	7.19E-04
3157	440920.8	3768508	8.85E-03	8.85E-03	9.97E-03	9.97E-03	1.67E-03	1.67E-03	7.31E-04	7.31E-04
3158	440924.6	3768499	9.00E-03	9.00E-03	1.01E-02	1.01E-02	1.70E-03	1.70E-03	7.44E-04	7.44E-04
3159	440928.4	3768490	9.15E-03	9.15E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.57E-04	7.57E-04
3160	440932.2	3768481	9.29E-03	9.29E-03	1.05E-02	1.05E-02	1.76E-03	1.76E-03	7.68E-04	7.68E-04
3161	440936	3768472	9.42E-03	9.42E-03	1.06E-02	1.06E-02	1.78E-03	1.78E-03	7.79E-04	7.79E-04
3162	440939.8	3768463	9.55E-03	9.55E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.89E-04	7.89E-04
3163	440909.3	3768545	8.34E-03	8.34E-03	9.40E-03	9.40E-03	1.58E-03	1.58E-03	6.90E-04	6.90E-04
3164	440909.3	3768555	8.29E-03	8.29E-03	9.35E-03	9.35E-03	1.57E-03	1.57E-03	6.86E-04	6.86E-04
3165	440909.2	3768565	8.24E-03	8.24E-03	9.29E-03	9.29E-03	1.56E-03	1.56E-03	6.81E-04	6.81E-04
3166	440909.2	3768574	8.17E-03	8.17E-03	9.21E-03	9.21E-03	1.54E-03	1.54E-03	6.75E-04	6.75E-04
3167	440909.1	3768584	8.08E-03	8.08E-03	9.11E-03	9.11E-03	1.53E-03	1.53E-03	6.68E-04	6.68E-04
3168	440909	3768594	7.98E-03	7.98E-03	9.00E-03	9.00E-03	1.51E-03	1.51E-03	6.60E-04	6.60E-04
3169	440909	3768604	7.89E-03	7.89E-03	8.89E-03	8.89E-03	1.49E-03	1.49E-03	6.52E-04	6.52E-04
3170	440908.9	3768614	7.80E-03	7.80E-03	8.79E-03	8.79E-03	1.47E-03	1.47E-03	6.45E-04	6.45E-04
3171	440908.9	3768624	7.69E-03	7.69E-03	8.67E-03	8.67E-03	1.45E-03	1.45E-03	6.36E-04	6.36E-04
3172	440877	3768516	7.45E-03	7.45E-03	8.39E-03	8.39E-03	1.41E-03	1.41E-03	6.16E-04	6.16E-04
3173	440880.8	3768507	7.57E-03	7.57E-03	8.53E-03	8.53E-03	1.43E-03	1.43E-03	6.26E-04	6.26E-04
3174	440884.6	3768498	7.70E-03	7.70E-03	8.68E-03	8.68E-03	1.46E-03	1.46E-03	6.37E-04	6.37E-04
3175	440888.4	3768489	7.83E-03	7.83E-03	8.82E-03	8.82E-03	1.48E-03	1.48E-03	6.47E-04	6.47E-04
3176	440892.3	3768480	7.96E-03	7.96E-03	8.97E-03	8.97E-03	1.50E-03	1.50E-03	6.58E-04	6.58E-04
3177	440896.1	3768471	8.07E-03	8.07E-03	9.10E-03	9.10E-03	1.53E-03	1.53E-03	6.67E-04	6.67E-04
3178	441347.5	3768024	3.86E-03	3.86E-03	4.36E-03	4.36E-03	7.30E-04	7.30E-04	3.19E-04	3.19E-04
3179	441356.6	3768020	3.78E-03	3.78E-03	4.26E-03	4.26E-03	7.14E-04	7.14E-04	3.12E-04	3.12E-04
3180	441365.7	3768016	3.70E-03	3.70E-03	4.17E-03	4.17E-03	7.00E-04	7.00E-04	3.06E-04	3.06E-04
3181	441374.8	3768013	3.63E-03	3.63E-03	4.09E-03	4.09E-03	6.86E-04	6.86E-04	3.00E-04	3.00E-04
3182	441383.8	3768009	3.55E-03	3.55E-03	4.00E-03	4.00E-03	6.72E-04	6.72E-04	2.94E-04	2.94E-04
3183	441392.9	3768005	3.48E-03	3.48E-03	3.92E-03	3.92E-03	6.58E-04	6.58E-04	2.88E-04	2.88E-04
3184	441402	3768002	3.41E-03	3.41E-03	3.84E-03	3.84E-03	6.45E-04	6.45E-04	2.82E-04	2.82E-04
3185	440869.3	3768544	7.15E-03	7.15E-03	8.06E-03	8.06E-03	1.35E-03	1.35E-03	5.91E-04	5.91E-04
3186	440869.3	3768554	7.10E-03	7.10E-03	8.00E-03	8.00E-03	1.34E-03	1.34E-03	5.87E-04	5.87E-04
3187	440869.2	3768564	7.05E-03	7.05E-03	7.94E-03	7.94E-03	1.33E-03	1.33E-03	5.83E-04	5.83E-04
3188	440869.2	3768574	6.98E-03	6.98E-03	7.87E-03	7.87E-03	1.32E-03	1.32E-03	5.77E-04	5.77E-04
3189	440869.1	3768584	6.91E-03	6.91E-03	7.79E-03	7.79E-03	1.31E-03	1.31E-03	5.72E-04	5.72E-04
3190	440869	3768594	6.84E-03	6.84E-03	7.71E-03	7.71E-03	1.29E-03	1.29E-03	5.65E-04	5.65E-04
3191	440869	3768604	6.76E-03	6.76E-03	7.62E-03	7.62E-03	1.28E-03	1.28E-03	5.59E-04	5.59E-04
3192	440868.9	3768614	6.68E-03	6.68E-03	7.53E-03	7.53E-03	1.26E-03	1.26E-03	5.52E-04	5.52E-04
3193	440868.9	3768624	6.59E-03	6.59E-03	7.43E-03	7.43E-03	1.25E-03	1.25E-03	5.45E-04	5.45E-04
3194	440837	3768516	6.46E-03	6.46E-03	7.28E-03	7.28E-03	1.22E-03	1.22E-03	5.34E-04	5.34E-04
3195	440840.9	3768507	6.56E-03	6.56E-03	7.40E-03	7.40E-03	1.24E-03	1.24E-03	5.43E-04	5.43E-04
3196	440844.7	3768498	6.67E-03	6.67E-03	7.51E-03	7.51E-03	1.26E-03	1.26E-03	5.51E-04	5.51E-04
3197	440848.5	3768489	6.76E-03	6.76E-03	7.62E-03	7.62E-03	1.28E-03	1.28E-03	5.59E-04	5.59E-04
3198	440852.3	3768480	6.86E-03	6.86E-03	7.74E-03	7.74E-03	1.30E-03	1.30E-03	5.67E-04	5.67E-04
3199	440856.1	3768471	6.96E-03	6.96E-03	7.85E-03	7.85E-03	1.32E-03	1.32E-03	5.76E-04	5.76E-04
3200	441238.1	3768029	4.62E-03	4.62E-03	5.21E-03	5.21E-03	8.74E-04	8.74E-04	3.82E-04	3.82E-04
3201	441247.2	3768025	4.51E-03	4.51E-03	5.09E-03	5.09E-03	8.53E-04	8.53E-04	3.73E-04	3.73E-04
3202	441256.3	3768021	4.40E-03	4.40E-03	4.96E-03	4.96E-03	8.33E-04	8.33E-04	3.64E-04	3.64E-04
3203	441265.4	3768018	4.30E-03	4.30E-03	4.84E-03	4.84E-03	8.13E-04	8.13E-04	3.55E-04	3.55E-04
3204	441274.6	3768014	4.19E-03	4.19E-03	4.73E-03	4.73E-03	7.92E-04	7.92E-04	3.47E-04	3.47E-04
3205	441283.7	3768010	4.09E-03	4.09E-03	4.61E-03	4.61E-03	7.72E-04	7.72E-04	3.38E-04	3.38E-04
3206	441292.8	3768006	3.98E-03	3.98E-03	4.49E-03	4.49E-03	7.53E-04	7.53E-04	3.29E-04	3.29E-04
3207	441301.9	3768003	3.88E-03	3.88E-03	4.37E-03	4.37E-03	7.33E-04	7.33E-04	3.21E-04	3.21E-04
3208	441311	3767999	3.79E-03	3.79E-03	4.27E-03	4.27E-03	7.16E-04	7.16E-04	3.13E-04	3.13E-04
3209	441320.1	3767995	3.70E-03	3.70E-03	4.17E-03	4.17E-03	6.99E-04	6.99E-04	3.06E-04	3.06E-04

3210	441329.2	3767991	3.61E-03	3.61E-03	4.07E-03	4.07E-03	6.82E-04	6.82E-04	2.98E-04	2.98E-04
3211	441338.3	3767988	3.54E-03	3.54E-03	3.99E-03	3.99E-03	6.69E-04	6.69E-04	2.93E-04	2.93E-04
3212	441347.5	3767984	3.47E-03	3.47E-03	3.91E-03	3.91E-03	6.55E-04	6.55E-04	2.87E-04	2.87E-04
3213	441356.6	3767980	3.40E-03	3.40E-03	3.83E-03	3.83E-03	6.42E-04	6.42E-04	2.81E-04	2.81E-04
3214	441365.7	3767977	3.33E-03	3.33E-03	3.75E-03	3.75E-03	6.30E-04	6.30E-04	2.75E-04	2.75E-04
3215	441374.8	3767973	3.26E-03	3.26E-03	3.68E-03	3.68E-03	6.17E-04	6.17E-04	2.70E-04	2.70E-04
3216	441383.9	3767969	3.20E-03	3.20E-03	3.60E-03	3.60E-03	6.05E-04	6.05E-04	2.64E-04	2.64E-04
3217	441393	3767965	3.14E-03	3.14E-03	3.53E-03	3.53E-03	5.93E-04	5.93E-04	2.59E-04	2.59E-04
3218	441402.1	3767962	3.08E-03	3.08E-03	3.47E-03	3.47E-03	5.81E-04	5.81E-04	2.54E-04	2.54E-04
3219	440829.3	3768544	6.20E-03	6.20E-03	6.99E-03	6.99E-03	1.17E-03	1.17E-03	5.12E-04	5.12E-04
3220	440829.3	3768554	6.16E-03	6.16E-03	6.94E-03	6.94E-03	1.16E-03	1.16E-03	5.09E-04	5.09E-04
3221	440829.2	3768564	6.11E-03	6.11E-03	6.88E-03	6.88E-03	1.15E-03	1.15E-03	5.05E-04	5.05E-04
3222	440829.2	3768574	6.06E-03	6.06E-03	6.83E-03	6.83E-03	1.14E-03	1.14E-03	5.01E-04	5.01E-04
3223	440829.1	3768584	6.00E-03	6.00E-03	6.76E-03	6.76E-03	1.13E-03	1.13E-03	4.96E-04	4.96E-04
3224	440829	3768594	5.94E-03	5.94E-03	6.69E-03	6.69E-03	1.12E-03	1.12E-03	4.91E-04	4.91E-04
3225	440829	3768604	5.87E-03	5.87E-03	6.62E-03	6.62E-03	1.11E-03	1.11E-03	4.86E-04	4.86E-04
3226	440828.9	3768614	5.80E-03	5.80E-03	6.54E-03	6.54E-03	1.10E-03	1.10E-03	4.80E-04	4.80E-04
3227	440828.9	3768623	5.72E-03	5.72E-03	6.45E-03	6.45E-03	1.08E-03	1.08E-03	4.73E-04	4.73E-04
3228	441210.5	3768000	4.34E-03	4.34E-03	4.90E-03	4.90E-03	8.21E-04	8.21E-04	3.59E-04	3.59E-04
3229	441219.6	3767996	4.26E-03	4.26E-03	4.80E-03	4.80E-03	8.05E-04	8.05E-04	3.52E-04	3.52E-04
3230	441228.7	3767993	4.17E-03	4.17E-03	4.70E-03	4.70E-03	7.89E-04	7.89E-04	3.45E-04	3.45E-04
3231	441237.9	3767989	4.09E-03	4.09E-03	4.61E-03	4.61E-03	7.73E-04	7.73E-04	3.38E-04	3.38E-04
3232	441247	3767985	4.00E-03	4.00E-03	4.51E-03	4.51E-03	7.56E-04	7.56E-04	3.30E-04	3.30E-04
3233	441256.1	3767981	3.91E-03	3.91E-03	4.40E-03	4.40E-03	7.38E-04	7.38E-04	3.23E-04	3.23E-04
3234	441265.3	3767978	3.82E-03	3.82E-03	4.30E-03	4.30E-03	7.21E-04	7.21E-04	3.16E-04	3.16E-04
3235	441274.4	3767974	3.73E-03	3.73E-03	4.20E-03	4.20E-03	7.05E-04	7.05E-04	3.08E-04	3.08E-04
3236	441283.5	3767970	3.64E-03	3.64E-03	4.10E-03	4.10E-03	6.88E-04	6.88E-04	3.01E-04	3.01E-04
3237	441292.7	3767967	3.56E-03	3.56E-03	4.01E-03	4.01E-03	6.73E-04	6.73E-04	2.94E-04	2.94E-04
3238	441301.8	3767963	3.48E-03	3.48E-03	3.92E-03	3.92E-03	6.58E-04	6.58E-04	2.88E-04	2.88E-04
3239	441310.9	3767959	3.41E-03	3.41E-03	3.84E-03	3.84E-03	6.45E-04	6.45E-04	2.82E-04	2.82E-04
3240	441320.1	3767955	3.35E-03	3.35E-03	3.77E-03	3.77E-03	6.32E-04	6.32E-04	2.77E-04	2.77E-04
3241	441329.2	3767952	3.28E-03	3.28E-03	3.70E-03	3.70E-03	6.20E-04	6.20E-04	2.71E-04	2.71E-04
3242	441338.3	3767948	3.22E-03	3.22E-03	3.63E-03	3.63E-03	6.08E-04	6.08E-04	2.66E-04	2.66E-04
3243	441347.4	3767944	3.15E-03	3.15E-03	3.55E-03	3.55E-03	5.96E-04	5.96E-04	2.61E-04	2.61E-04
3244	441356.6	3767940	3.09E-03	3.09E-03	3.48E-03	3.48E-03	5.84E-04	5.84E-04	2.55E-04	2.55E-04
3245	441365.7	3767937	3.03E-03	3.03E-03	3.41E-03	3.41E-03	5.72E-04	5.72E-04	2.50E-04	2.50E-04
3246	441374.8	3767933	2.97E-03	2.97E-03	3.34E-03	3.34E-03	5.61E-04	5.61E-04	2.45E-04	2.45E-04
3247	441384	3767929	2.91E-03	2.91E-03	3.28E-03	3.28E-03	5.50E-04	5.50E-04	2.40E-04	2.40E-04
3248	441393.1	3767925	2.85E-03	2.85E-03	3.21E-03	3.21E-03	5.39E-04	5.39E-04	2.36E-04	2.36E-04
3249	441402.2	3767922	2.79E-03	2.79E-03	3.14E-03	3.14E-03	5.27E-04	5.27E-04	2.31E-04	2.31E-04
3250	440789.3	3768544	5.43E-03	5.43E-03	6.12E-03	6.12E-03	1.03E-03	1.03E-03	4.49E-04	4.49E-04
3251	440789.3	3768554	5.40E-03	5.40E-03	6.08E-03	6.08E-03	1.02E-03	1.02E-03	4.46E-04	4.46E-04
3252	440789.2	3768564	5.36E-03	5.36E-03	6.04E-03	6.04E-03	1.01E-03	1.01E-03	4.43E-04	4.43E-04
3253	440789.2	3768574	5.31E-03	5.31E-03	5.99E-03	5.99E-03	1.00E-03	1.00E-03	4.39E-04	4.39E-04
3254	440789.1	3768584	5.26E-03	5.26E-03	5.92E-03	5.92E-03	9.94E-04	9.94E-04	4.35E-04	4.35E-04
3255	440789	3768594	5.20E-03	5.20E-03	5.86E-03	5.86E-03	9.83E-04	9.83E-04	4.30E-04	4.30E-04
3256	440789	3768603	5.14E-03	5.14E-03	5.79E-03	5.79E-03	9.71E-04	9.71E-04	4.25E-04	4.25E-04
3257	440788.9	3768613	5.07E-03	5.07E-03	5.72E-03	5.72E-03	9.59E-04	9.59E-04	4.19E-04	4.19E-04
3258	440788.9	3768623	5.01E-03	5.01E-03	5.64E-03	5.64E-03	9.47E-04	9.47E-04	4.14E-04	4.14E-04
3259	440757.1	3768516	5.01E-03	5.01E-03	5.64E-03	5.64E-03	9.46E-04	9.46E-04	4.14E-04	4.14E-04
3260	440760.9	3768507	5.09E-03	5.09E-03	5.74E-03	5.74E-03	9.62E-04	9.62E-04	4.21E-04	4.21E-04
3261	440764.7	3768497	5.17E-03	5.17E-03	5.83E-03	5.83E-03	9.78E-04	9.78E-04	4.28E-04	4.28E-04
3262	440768.6	3768488	5.25E-03	5.25E-03	5.92E-03	5.92E-03	9.93E-04	9.93E-04	4.34E-04	4.34E-04
3263	440772.4	3768479	5.33E-03	5.33E-03	6.01E-03	6.01E-03	1.01E-03	1.01E-03	4.41E-04	4.41E-04
3264	440776.2	3768470	5.41E-03	5.41E-03	6.10E-03	6.10E-03	1.02E-03	1.02E-03	4.47E-04	4.47E-04
3265	440780.1	3768461	5.49E-03	5.49E-03	6.19E-03	6.19E-03	1.04E-03	1.04E-03	4.54E-04	4.54E-04
3266	441201.1	3767964	3.93E-03	3.93E-03	4.43E-03	4.43E-03	7.43E-04	7.43E-04	3.25E-04	3.25E-04
3267	441210.2	3767960	3.87E-03	3.87E-03	4.36E-03	4.36E-03	7.31E-04	7.31E-04	3.20E-04	3.20E-04
3268	441219.4	3767957	3.79E-03	3.79E-03	4.27E-03	4.27E-03	7.16E-04	7.16E-04	3.13E-04	3.13E-04
3269	441228.5	3767953	3.71E-03	3.71E-03	4.19E-03	4.19E-03	7.02E-04	7.02E-04	3.07E-04	3.07E-04
3270	441237.7	3767949	3.64E-03	3.64E-03	4.10E-03	4.10E-03	6.87E-04	6.87E-04	3.01E-04	3.01E-04
3271	441246.8	3767945	3.56E-03	3.56E-03	4.01E-03	4.01E-03	6.73E-04	6.73E-04	2.94E-04	2.94E-04
3272	441256	3767942	3.49E-03	3.49E-03	3.93E-03	3.93E-03	6.59E-04	6.59E-04	2.88E-04	2.88E-04
3273	441265.1	3767938	3.42E-03	3.42E-03	3.85E-03	3.85E-03	6.46E-04	6.46E-04	2.83E-04	2.83E-04
3274	441274.3	3767934	3.35E-03	3.35E-03	3.78E-03	3.78E-03	6.33E-04	6.33E-04	2.77E-04	2.77E-04
3275	441283.4	3767930	3.29E-03	3.29E-03	3.70E-03	3.70E-03	6.21E-04	6.21E-04	2.72E-04	2.72E-04
3276	441292.6	3767927	3.22E-03	3.22E-03	3.63E-03	3.63E-03	6.09E-04	6.09E-04	2.66E-04	2.66E-04
3277	441301.7	3767923	3.16E-03	3.16E-03	3.56E-03	3.56E-03	5.98E-04	5.98E-04	2.61E-04	2.61E-04
3278	441310.9	3767919	3.10E-03	3.10E-03	3.49E-03	3.49E-03	5.86E-04	5.86E-04	2.56E-04	2.56E-04
3279	441320	3767915	3.04E-03	3.04E-03	3.43E-03	3.43E-03	5.75E-04	5.75E-04	2.51E-04	2.51E-04
3280	441329.2	3767912	2.98E-03	2.98E-03	3.36E-03	3.36E-03	5.63E-04	5.63E-04	2.46E-04	2.46E-04
3281	441338.3	3767908	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.51E-04	5.51E-04	2.41E-04	2.41E-04
3282	441347.5	3767904	2.86E-03	2.86E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04

3283	441356.6	3767900	2.80E-03	2.80E-03	3.16E-03	3.16E-03	5.29E-04	5.29E-04	2.31E-04	2.31E-04
3284	441365.8	3767897	2.74E-03	2.74E-03	3.09E-03	3.09E-03	5.19E-04	5.19E-04	2.27E-04	2.27E-04
3285	441374.9	3767893	2.69E-03	2.69E-03	3.03E-03	3.03E-03	5.09E-04	5.09E-04	2.22E-04	2.22E-04
3286	441384.1	3767889	2.64E-03	2.64E-03	2.97E-03	2.97E-03	4.98E-04	4.98E-04	2.18E-04	2.18E-04
3287	441393.2	3767885	2.58E-03	2.58E-03	2.91E-03	2.91E-03	4.88E-04	4.88E-04	2.14E-04	2.14E-04
3288	441402.4	3767882	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.80E-04	4.80E-04	2.10E-04	2.10E-04
3289	440749.2	3768564	4.73E-03	4.73E-03	5.33E-03	5.33E-03	8.95E-04	8.95E-04	3.91E-04	3.91E-04
3290	440749.2	3768573	4.69E-03	4.69E-03	5.29E-03	5.29E-03	8.87E-04	8.87E-04	3.88E-04	3.88E-04
3291	440749.1	3768583	4.65E-03	4.65E-03	5.24E-03	5.24E-03	8.78E-04	8.78E-04	3.84E-04	3.84E-04
3292	440749	3768593	4.59E-03	4.59E-03	5.18E-03	5.18E-03	8.68E-04	8.68E-04	3.80E-04	3.80E-04
3293	440749	3768603	4.54E-03	4.54E-03	5.12E-03	5.12E-03	8.58E-04	8.58E-04	3.75E-04	3.75E-04
3294	440748.9	3768613	4.49E-03	4.49E-03	5.06E-03	5.06E-03	8.48E-04	8.48E-04	3.71E-04	3.71E-04
3295	440748.9	3768623	4.43E-03	4.43E-03	4.99E-03	4.99E-03	8.37E-04	8.37E-04	3.66E-04	3.66E-04
3296	440717.1	3768515	4.45E-03	4.45E-03	5.02E-03	5.02E-03	8.42E-04	8.42E-04	3.68E-04	3.68E-04
3297	440720.9	3768506	4.53E-03	4.53E-03	5.11E-03	5.11E-03	8.56E-04	8.56E-04	3.74E-04	3.74E-04
3298	440724.8	3768497	4.60E-03	4.60E-03	5.19E-03	5.19E-03	8.70E-04	8.70E-04	3.81E-04	3.81E-04
3299	440728.6	3768488	4.68E-03	4.68E-03	5.27E-03	5.27E-03	8.84E-04	8.84E-04	3.87E-04	3.87E-04
3300	440732.4	3768479	4.75E-03	4.75E-03	5.35E-03	5.35E-03	8.98E-04	8.98E-04	3.93E-04	3.93E-04
3301	440736.3	3768470	4.82E-03	4.82E-03	5.43E-03	5.43E-03	9.11E-04	9.11E-04	3.98E-04	3.98E-04
3302	440759.3	3768415	5.17E-03	5.17E-03	5.82E-03	5.82E-03	9.77E-04	9.77E-04	4.27E-04	4.27E-04
3303	440763.2	3768406	5.21E-03	5.21E-03	5.87E-03	5.87E-03	9.85E-04	9.85E-04	4.31E-04	4.31E-04
3304	440767	3768397	5.25E-03	5.25E-03	5.92E-03	5.92E-03	9.92E-04	9.92E-04	4.34E-04	4.34E-04
3305	440770.8	3768388	5.29E-03	5.29E-03	5.96E-03	5.96E-03	1.00E-03	1.00E-03	4.37E-04	4.37E-04
3306	440774.7	3768378	5.34E-03	5.34E-03	6.02E-03	6.02E-03	1.01E-03	1.01E-03	4.41E-04	4.41E-04
3307	440778.5	3768369	5.38E-03	5.38E-03	6.07E-03	6.07E-03	1.02E-03	1.02E-03	4.45E-04	4.45E-04
3308	440782.3	3768360	5.42E-03	5.42E-03	6.11E-03	6.11E-03	1.03E-03	1.03E-03	4.48E-04	4.48E-04
3309	440786.2	3768351	5.47E-03	5.47E-03	6.16E-03	6.16E-03	1.03E-03	1.03E-03	4.52E-04	4.52E-04
3310	440790	3768342	5.51E-03	5.51E-03	6.21E-03	6.21E-03	1.04E-03	1.04E-03	4.56E-04	4.56E-04
3311	440793.9	3768333	5.56E-03	5.56E-03	6.26E-03	6.26E-03	1.05E-03	1.05E-03	4.59E-04	4.59E-04
3312	441191.7	3767928	3.59E-03	3.59E-03	4.05E-03	4.05E-03	6.79E-04	6.79E-04	2.97E-04	2.97E-04
3313	441200.8	3767924	3.54E-03	3.54E-03	3.99E-03	3.99E-03	6.68E-04	6.68E-04	2.92E-04	2.92E-04
3314	441210	3767920	3.48E-03	3.48E-03	3.92E-03	3.92E-03	6.58E-04	6.58E-04	2.88E-04	2.88E-04
3315	441219.2	3767917	3.41E-03	3.41E-03	3.84E-03	3.84E-03	6.44E-04	6.44E-04	2.82E-04	2.82E-04
3316	441228.3	3767913	3.34E-03	3.34E-03	3.76E-03	3.76E-03	6.31E-04	6.31E-04	2.76E-04	2.76E-04
3317	441237.5	3767909	3.27E-03	3.27E-03	3.69E-03	3.69E-03	6.19E-04	6.19E-04	2.71E-04	2.71E-04
3318	441246.7	3767905	3.21E-03	3.21E-03	3.62E-03	3.62E-03	6.07E-04	6.07E-04	2.66E-04	2.66E-04
3319	441255.8	3767902	3.15E-03	3.15E-03	3.55E-03	3.55E-03	5.96E-04	5.96E-04	2.61E-04	2.61E-04
3320	441265	3767898	3.09E-03	3.09E-03	3.49E-03	3.49E-03	5.85E-04	5.85E-04	2.56E-04	2.56E-04
3321	441274.2	3767894	3.04E-03	3.04E-03	3.42E-03	3.42E-03	5.74E-04	5.74E-04	2.51E-04	2.51E-04
3322	441283.3	3767890	2.98E-03	2.98E-03	3.36E-03	3.36E-03	5.64E-04	5.64E-04	2.47E-04	2.47E-04
3323	441292.5	3767887	2.93E-03	2.93E-03	3.30E-03	3.30E-03	5.53E-04	5.53E-04	2.42E-04	2.42E-04
3324	441301.6	3767883	2.87E-03	2.87E-03	3.24E-03	3.24E-03	5.43E-04	5.43E-04	2.37E-04	2.37E-04
3325	441310.8	3767879	2.81E-03	2.81E-03	3.17E-03	3.17E-03	5.31E-04	5.31E-04	2.32E-04	2.32E-04
3326	441320	3767875	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.20E-04	5.20E-04	2.28E-04	2.28E-04
3327	441329.1	3767872	2.70E-03	2.70E-03	3.04E-03	3.04E-03	5.10E-04	5.10E-04	2.23E-04	2.23E-04
3328	441338.3	3767868	2.65E-03	2.65E-03	2.98E-03	2.98E-03	5.00E-04	5.00E-04	2.19E-04	2.19E-04
3329	441347.5	3767864	2.60E-03	2.60E-03	2.93E-03	2.93E-03	4.91E-04	4.91E-04	2.15E-04	2.15E-04
3330	441356.6	3767860	2.55E-03	2.55E-03	2.87E-03	2.87E-03	4.82E-04	4.82E-04	2.11E-04	2.11E-04
3331	441365.8	3767857	2.50E-03	2.50E-03	2.82E-03	2.82E-03	4.73E-04	4.73E-04	2.07E-04	2.07E-04
3332	441375	3767853	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.65E-04	4.65E-04	2.03E-04	2.03E-04
3333	441384.1	3767849	2.42E-03	2.42E-03	2.72E-03	2.72E-03	4.57E-04	4.57E-04	2.00E-04	2.00E-04
3334	441393.3	3767845	2.37E-03	2.37E-03	2.68E-03	2.68E-03	4.49E-04	4.49E-04	1.96E-04	1.96E-04
3335	441402.5	3767842	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.41E-04	4.41E-04	1.93E-04	1.93E-04
3336	440709.2	3768563	4.21E-03	4.21E-03	4.75E-03	4.75E-03	7.96E-04	7.96E-04	3.48E-04	3.48E-04
3337	440709.2	3768573	4.18E-03	4.18E-03	4.71E-03	4.71E-03	7.90E-04	7.90E-04	3.45E-04	3.45E-04
3338	440709.1	3768583	4.14E-03	4.14E-03	4.67E-03	4.67E-03	7.83E-04	7.83E-04	3.42E-04	3.42E-04
3339	440709	3768593	4.10E-03	4.10E-03	4.62E-03	4.62E-03	7.75E-04	7.75E-04	3.39E-04	3.39E-04
3340	440709	3768603	4.05E-03	4.05E-03	4.57E-03	4.57E-03	7.66E-04	7.66E-04	3.35E-04	3.35E-04
3341	440708.9	3768613	4.00E-03	4.00E-03	4.51E-03	4.51E-03	7.56E-04	7.56E-04	3.31E-04	3.31E-04
3342	440708.9	3768623	3.92E-03	3.92E-03	4.42E-03	4.42E-03	7.41E-04	7.41E-04	3.24E-04	3.24E-04
3343	440677	3768515	3.99E-03	3.99E-03	4.50E-03	4.50E-03	7.54E-04	7.54E-04	3.30E-04	3.30E-04
3344	440680.7	3768506	4.05E-03	4.05E-03	4.57E-03	4.57E-03	7.66E-04	7.66E-04	3.35E-04	3.35E-04
3345	440684.5	3768497	4.11E-03	4.11E-03	4.64E-03	4.64E-03	7.78E-04	7.78E-04	3.40E-04	3.40E-04
3346	440688.3	3768488	4.18E-03	4.18E-03	4.71E-03	4.71E-03	7.90E-04	7.90E-04	3.45E-04	3.45E-04
3347	440692.1	3768479	4.24E-03	4.24E-03	4.78E-03	4.78E-03	8.02E-04	8.02E-04	3.51E-04	3.51E-04
3348	440695.9	3768470	4.30E-03	4.30E-03	4.85E-03	4.85E-03	8.13E-04	8.13E-04	3.56E-04	3.56E-04
3349	440699.6	3768461	4.36E-03	4.36E-03	4.92E-03	4.92E-03	8.24E-04	8.24E-04	3.61E-04	3.61E-04
3350	440718.5	3768417	4.61E-03	4.61E-03	5.20E-03	5.20E-03	8.72E-04	8.72E-04	3.81E-04	3.81E-04
3351	440722.3	3768408	4.65E-03	4.65E-03	5.25E-03	5.25E-03	8.80E-04	8.80E-04	3.85E-04	3.85E-04
3352	440726.1	3768399	4.69E-03	4.69E-03	5.29E-03	5.29E-03	8.87E-04	8.87E-04	3.88E-04	3.88E-04
3353	440729.9	3768390	4.73E-03	4.73E-03	5.33E-03	5.33E-03	8.94E-04	8.94E-04	3.91E-04	3.91E-04
3354	440733.6	3768381	4.77E-03	4.77E-03	5.38E-03	5.38E-03	9.02E-04	9.02E-04	3.95E-04	3.95E-04
3355	440737.4	3768372	4.81E-03	4.81E-03	5.43E-03	5.43E-03	9.10E-04	9.10E-04	3.98E-04	3.98E-04

3356	440741.2	3768363	4.86E-03	4.86E-03	5.47E-03	5.47E-03	9.18E-04	9.18E-04	4.01E-04	4.01E-04
3357	440745	3768354	4.90E-03	4.90E-03	5.52E-03	5.52E-03	9.26E-04	9.26E-04	4.05E-04	4.05E-04
3358	440748.8	3768345	4.94E-03	4.94E-03	5.57E-03	5.57E-03	9.34E-04	9.34E-04	4.09E-04	4.09E-04
3359	440752.5	3768336	4.98E-03	4.98E-03	5.61E-03	5.61E-03	9.42E-04	9.42E-04	4.12E-04	4.12E-04
3360	440756.3	3768327	5.02E-03	5.02E-03	5.66E-03	5.66E-03	9.50E-04	9.50E-04	4.15E-04	4.15E-04
3361	440760.1	3768318	5.07E-03	5.07E-03	5.71E-03	5.71E-03	9.58E-04	9.58E-04	4.19E-04	4.19E-04
3362	440763.9	3768309	5.11E-03	5.11E-03	5.76E-03	5.76E-03	9.65E-04	9.65E-04	4.22E-04	4.22E-04
3363	440767.6	3768300	5.14E-03	5.14E-03	5.80E-03	5.80E-03	9.72E-04	9.72E-04	4.25E-04	4.25E-04
3364	440775.2	3768282	5.22E-03	5.22E-03	5.88E-03	5.88E-03	9.86E-04	9.86E-04	4.31E-04	4.31E-04
3365	440779	3768273	5.24E-03	5.24E-03	5.91E-03	5.91E-03	9.91E-04	9.91E-04	4.34E-04	4.34E-04
3366	440782.8	3768264	5.27E-03	5.27E-03	5.94E-03	5.94E-03	9.96E-04	9.96E-04	4.35E-04	4.35E-04
3367	440786.5	3768255	5.29E-03	5.29E-03	5.96E-03	5.96E-03	9.99E-04	9.99E-04	4.37E-04	4.37E-04
3368	440790.3	3768246	5.30E-03	5.30E-03	5.98E-03	5.98E-03	1.00E-03	1.00E-03	4.38E-04	4.38E-04
3369	440794.1	3768237	5.31E-03	5.31E-03	5.99E-03	5.99E-03	1.00E-03	1.00E-03	4.39E-04	4.39E-04
3370	440797.9	3768228	5.31E-03	5.31E-03	5.99E-03	5.99E-03	1.00E-03	1.00E-03	4.39E-04	4.39E-04
3371	440801.7	3768219	5.31E-03	5.31E-03	5.98E-03	5.98E-03	1.00E-03	1.00E-03	4.39E-04	4.39E-04
3372	441195.3	3767887	3.23E-03	3.23E-03	3.64E-03	3.64E-03	6.10E-04	6.10E-04	2.67E-04	2.67E-04
3373	441204.3	3767883	3.18E-03	3.18E-03	3.58E-03	3.58E-03	6.00E-04	6.00E-04	2.63E-04	2.63E-04
3374	441213.3	3767879	3.13E-03	3.13E-03	3.52E-03	3.52E-03	5.91E-04	5.91E-04	2.58E-04	2.58E-04
3375	441222.3	3767875	3.08E-03	3.08E-03	3.47E-03	3.47E-03	5.81E-04	5.81E-04	2.54E-04	2.54E-04
3376	441231.3	3767872	3.02E-03	3.02E-03	3.41E-03	3.41E-03	5.72E-04	5.72E-04	2.50E-04	2.50E-04
3377	441240.4	3767868	2.98E-03	2.98E-03	3.35E-03	3.35E-03	5.62E-04	5.62E-04	2.46E-04	2.46E-04
3378	441249.4	3767864	2.93E-03	2.93E-03	3.30E-03	3.30E-03	5.53E-04	5.53E-04	2.42E-04	2.42E-04
3379	441258.4	3767861	2.88E-03	2.88E-03	3.24E-03	3.24E-03	5.44E-04	5.44E-04	2.38E-04	2.38E-04
3380	441267.4	3767857	2.83E-03	2.83E-03	3.19E-03	3.19E-03	5.34E-04	5.34E-04	2.34E-04	2.34E-04
3381	441276.4	3767853	2.78E-03	2.78E-03	3.13E-03	3.13E-03	5.25E-04	5.25E-04	2.30E-04	2.30E-04
3382	441285.5	3767850	2.73E-03	2.73E-03	3.07E-03	3.07E-03	5.15E-04	5.15E-04	2.25E-04	2.25E-04
3383	441294.5	3767846	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.05E-04	5.05E-04	2.21E-04	2.21E-04
3384	441303.5	3767842	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.17E-04	2.17E-04
3385	441312.5	3767839	2.57E-03	2.57E-03	2.90E-03	2.90E-03	4.86E-04	4.86E-04	2.13E-04	2.13E-04
3386	441321.6	3767835	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
3387	441330.6	3767831	2.47E-03	2.47E-03	2.79E-03	2.79E-03	4.67E-04	4.67E-04	2.04E-04	2.04E-04
3388	441339.6	3767827	2.43E-03	2.43E-03	2.74E-03	2.74E-03	4.59E-04	4.59E-04	2.01E-04	2.01E-04
3389	441348.6	3767824	2.39E-03	2.39E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
3390	441357.6	3767820	2.34E-03	2.34E-03	2.64E-03	2.64E-03	4.43E-04	4.43E-04	1.94E-04	1.94E-04
3391	441366.7	3767816	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.35E-04	4.35E-04	1.90E-04	1.90E-04
3392	441375.7	3767813	2.26E-03	2.26E-03	2.55E-03	2.55E-03	4.28E-04	4.28E-04	1.87E-04	1.87E-04
3393	441384.7	3767809	2.22E-03	2.22E-03	2.50E-03	2.50E-03	4.20E-04	4.20E-04	1.84E-04	1.84E-04
3394	441393.7	3767805	2.18E-03	2.18E-03	2.46E-03	2.46E-03	4.13E-04	4.13E-04	1.81E-04	1.81E-04
3395	441402.7	3767802	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04
3396	440669.2	3768563	3.78E-03	3.78E-03	4.26E-03	4.26E-03	7.15E-04	7.15E-04	3.13E-04	3.13E-04
3397	440669.2	3768573	3.75E-03	3.75E-03	4.23E-03	4.23E-03	7.09E-04	7.09E-04	3.10E-04	3.10E-04
3398	440669.1	3768583	3.72E-03	3.72E-03	4.19E-03	4.19E-03	7.03E-04	7.03E-04	3.08E-04	3.08E-04
3399	440669	3768593	3.68E-03	3.68E-03	4.15E-03	4.15E-03	6.96E-04	6.96E-04	3.04E-04	3.04E-04
3400	440669	3768603	3.64E-03	3.64E-03	4.10E-03	4.10E-03	6.88E-04	6.88E-04	3.01E-04	3.01E-04
3401	440668.9	3768613	3.60E-03	3.60E-03	4.05E-03	4.05E-03	6.80E-04	6.80E-04	2.97E-04	2.97E-04
3402	440668.9	3768623	3.54E-03	3.54E-03	3.99E-03	3.99E-03	6.69E-04	6.69E-04	2.93E-04	2.93E-04
3403	440637	3768515	3.60E-03	3.60E-03	4.05E-03	4.05E-03	6.80E-04	6.80E-04	2.97E-04	2.97E-04
3404	440640.8	3768506	3.65E-03	3.65E-03	4.12E-03	4.12E-03	6.90E-04	6.90E-04	3.02E-04	3.02E-04
3405	440644.6	3768497	3.71E-03	3.71E-03	4.18E-03	4.18E-03	7.00E-04	7.00E-04	3.06E-04	3.06E-04
3406	440648.3	3768488	3.76E-03	3.76E-03	4.24E-03	4.24E-03	7.10E-04	7.10E-04	3.11E-04	3.11E-04
3407	440652.1	3768479	3.81E-03	3.81E-03	4.30E-03	4.30E-03	7.21E-04	7.21E-04	3.15E-04	3.15E-04
3408	440655.9	3768470	3.87E-03	3.87E-03	4.36E-03	4.36E-03	7.31E-04	7.31E-04	3.20E-04	3.20E-04
3409	440678.6	3768416	4.16E-03	4.16E-03	4.69E-03	4.69E-03	7.86E-04	7.86E-04	3.44E-04	3.44E-04
3410	440682.4	3768407	4.20E-03	4.20E-03	4.74E-03	4.74E-03	7.94E-04	7.94E-04	3.47E-04	3.47E-04
3411	440686.2	3768398	4.24E-03	4.24E-03	4.78E-03	4.78E-03	8.02E-04	8.02E-04	3.51E-04	3.51E-04
3412	440690	3768389	4.28E-03	4.28E-03	4.83E-03	4.83E-03	8.09E-04	8.09E-04	3.54E-04	3.54E-04
3413	440693.8	3768380	4.32E-03	4.32E-03	4.87E-03	4.87E-03	8.17E-04	8.17E-04	3.57E-04	3.57E-04
3414	440697.6	3768371	4.36E-03	4.36E-03	4.91E-03	4.91E-03	8.24E-04	8.24E-04	3.60E-04	3.60E-04
3415	440701.4	3768362	4.39E-03	4.39E-03	4.95E-03	4.95E-03	8.30E-04	8.30E-04	3.63E-04	3.63E-04
3416	440705.1	3768353	4.43E-03	4.43E-03	4.99E-03	4.99E-03	8.38E-04	8.38E-04	3.66E-04	3.66E-04
3417	440708.9	3768344	4.47E-03	4.47E-03	5.04E-03	5.04E-03	8.45E-04	8.45E-04	3.70E-04	3.70E-04
3418	440712.7	3768335	4.51E-03	4.51E-03	5.08E-03	5.08E-03	8.52E-04	8.52E-04	3.73E-04	3.73E-04
3419	440716.5	3768326	4.55E-03	4.55E-03	5.12E-03	5.12E-03	8.59E-04	8.59E-04	3.76E-04	3.76E-04
3420	440720.3	3768317	4.58E-03	4.58E-03	5.17E-03	5.17E-03	8.66E-04	8.66E-04	3.79E-04	3.79E-04
3421	440724.1	3768308	4.62E-03	4.62E-03	5.21E-03	5.21E-03	8.74E-04	8.74E-04	3.82E-04	3.82E-04
3422	440727.9	3768299	4.66E-03	4.66E-03	5.25E-03	5.25E-03	8.81E-04	8.81E-04	3.85E-04	3.85E-04
3423	440739.2	3768272	4.76E-03	4.76E-03	5.37E-03	5.37E-03	9.00E-04	9.00E-04	3.94E-04	3.94E-04
3424	440743	3768263	4.79E-03	4.79E-03	5.40E-03	5.40E-03	9.05E-04	9.05E-04	3.96E-04	3.96E-04
3425	440746.8	3768254	4.81E-03	4.81E-03	5.42E-03	5.42E-03	9.09E-04	9.09E-04	3.97E-04	3.97E-04
3426	440750.6	3768245	4.82E-03	4.82E-03	5.44E-03	5.44E-03	9.12E-04	9.12E-04	3.99E-04	3.99E-04
3427	440754.4	3768236	4.84E-03	4.84E-03	5.45E-03	5.45E-03	9.14E-04	9.14E-04	4.00E-04	4.00E-04
3428	440758.2	3768227	4.85E-03	4.85E-03	5.46E-03	5.46E-03	9.16E-04	9.16E-04	4.01E-04	4.01E-04

3429	440762	3768218	4.85E-03	4.85E-03	5.47E-03	5.47E-03	9.17E-04	9.17E-04	4.01E-04	4.01E-04
3430	441194.9	3767847	2.95E-03	2.95E-03	3.33E-03	3.33E-03	5.58E-04	5.58E-04	2.44E-04	2.44E-04
3431	441204	3767843	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.51E-04	5.51E-04	2.41E-04	2.41E-04
3432	441213	3767839	2.88E-03	2.88E-03	3.24E-03	3.24E-03	5.44E-04	5.44E-04	2.38E-04	2.38E-04
3433	441222	3767836	2.83E-03	2.83E-03	3.19E-03	3.19E-03	5.35E-04	5.35E-04	2.34E-04	2.34E-04
3434	441231.1	3767832	2.78E-03	2.78E-03	3.14E-03	3.14E-03	5.26E-04	5.26E-04	2.30E-04	2.30E-04
3435	441240.1	3767828	2.74E-03	2.74E-03	3.08E-03	3.08E-03	5.17E-04	5.17E-04	2.26E-04	2.26E-04
3436	441249.2	3767825	2.69E-03	2.69E-03	3.03E-03	3.03E-03	5.09E-04	5.09E-04	2.23E-04	2.23E-04
3437	441258.2	3767821	2.65E-03	2.65E-03	2.98E-03	2.98E-03	5.00E-04	5.00E-04	2.19E-04	2.19E-04
3438	441267.2	3767817	2.60E-03	2.60E-03	2.93E-03	2.93E-03	4.92E-04	4.92E-04	2.15E-04	2.15E-04
3439	441276.3	3767813	2.55E-03	2.55E-03	2.88E-03	2.88E-03	4.82E-04	4.82E-04	2.11E-04	2.11E-04
3440	441285.3	3767810	2.51E-03	2.51E-03	2.83E-03	2.83E-03	4.74E-04	4.74E-04	2.07E-04	2.07E-04
3441	441294.4	3767806	2.46E-03	2.46E-03	2.78E-03	2.78E-03	4.66E-04	4.66E-04	2.04E-04	2.04E-04
3442	441303.4	3767802	2.42E-03	2.42E-03	2.73E-03	2.73E-03	4.58E-04	4.58E-04	2.00E-04	2.00E-04
3443	441312.4	3767799	2.38E-03	2.38E-03	2.68E-03	2.68E-03	4.50E-04	4.50E-04	1.97E-04	1.97E-04
3444	441321.5	3767795	2.34E-03	2.34E-03	2.63E-03	2.63E-03	4.42E-04	4.42E-04	1.93E-04	1.93E-04
3445	441330.5	3767791	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.34E-04	4.34E-04	1.90E-04	1.90E-04
3446	441339.6	3767787	2.25E-03	2.25E-03	2.54E-03	2.54E-03	4.26E-04	4.26E-04	1.86E-04	1.86E-04
3447	441348.6	3767784	2.21E-03	2.21E-03	2.49E-03	2.49E-03	4.18E-04	4.18E-04	1.83E-04	1.83E-04
3448	441357.6	3767780	2.17E-03	2.17E-03	2.45E-03	2.45E-03	4.11E-04	4.11E-04	1.80E-04	1.80E-04
3449	441366.7	3767776	2.14E-03	2.14E-03	2.41E-03	2.41E-03	4.04E-04	4.04E-04	1.77E-04	1.77E-04
3450	441375.7	3767773	2.10E-03	2.10E-03	2.37E-03	2.37E-03	3.97E-04	3.97E-04	1.74E-04	1.74E-04
3451	441384.8	3767769	2.06E-03	2.06E-03	2.33E-03	2.33E-03	3.90E-04	3.90E-04	1.71E-04	1.71E-04
3452	441393.8	3767765	2.03E-03	2.03E-03	2.29E-03	2.29E-03	3.83E-04	3.83E-04	1.68E-04	1.68E-04
3453	441402.8	3767762	1.99E-03	1.99E-03	2.25E-03	2.25E-03	3.77E-04	3.77E-04	1.65E-04	1.65E-04
3454	440629.2	3768563	3.42E-03	3.42E-03	3.85E-03	3.85E-03	6.46E-04	6.46E-04	2.82E-04	2.82E-04
3455	440629.2	3768573	3.39E-03	3.39E-03	3.82E-03	3.82E-03	6.41E-04	6.41E-04	2.80E-04	2.80E-04
3456	440629.1	3768583	3.36E-03	3.36E-03	3.79E-03	3.79E-03	6.35E-04	6.35E-04	2.78E-04	2.78E-04
3457	440629	3768593	3.33E-03	3.33E-03	3.75E-03	3.75E-03	6.29E-04	6.29E-04	2.75E-04	2.75E-04
3458	440629	3768602	3.30E-03	3.30E-03	3.72E-03	3.72E-03	6.23E-04	6.23E-04	2.73E-04	2.73E-04
3459	440628.9	3768612	3.26E-03	3.26E-03	3.68E-03	3.68E-03	6.17E-04	6.17E-04	2.70E-04	2.70E-04
3460	440628.9	3768622	3.23E-03	3.23E-03	3.64E-03	3.64E-03	6.10E-04	6.10E-04	2.67E-04	2.67E-04
3461	440608.4	3768488	3.41E-03	3.41E-03	3.84E-03	3.84E-03	6.44E-04	6.44E-04	2.82E-04	2.82E-04
3462	440612.2	3768479	3.45E-03	3.45E-03	3.89E-03	3.89E-03	6.53E-04	6.53E-04	2.86E-04	2.86E-04
3463	440616	3768470	3.50E-03	3.50E-03	3.95E-03	3.95E-03	6.62E-04	6.62E-04	2.90E-04	2.90E-04
3464	440638.7	3768416	3.77E-03	3.77E-03	4.25E-03	4.25E-03	7.13E-04	7.13E-04	3.12E-04	3.12E-04
3465	440642.5	3768407	3.81E-03	3.81E-03	4.30E-03	4.30E-03	7.21E-04	7.21E-04	3.15E-04	3.15E-04
3466	440646.3	3768398	3.85E-03	3.85E-03	4.34E-03	4.34E-03	7.28E-04	7.28E-04	3.19E-04	3.19E-04
3467	440650.1	3768389	3.89E-03	3.89E-03	4.39E-03	4.39E-03	7.36E-04	7.36E-04	3.22E-04	3.22E-04
3468	440653.9	3768379	3.93E-03	3.93E-03	4.43E-03	4.43E-03	7.43E-04	7.43E-04	3.25E-04	3.25E-04
3469	440657.7	3768370	3.97E-03	3.97E-03	4.48E-03	4.48E-03	7.51E-04	7.51E-04	3.29E-04	3.29E-04
3470	440661.5	3768361	4.02E-03	4.02E-03	4.53E-03	4.53E-03	7.59E-04	7.59E-04	3.32E-04	3.32E-04
3471	440665.3	3768352	4.06E-03	4.06E-03	4.57E-03	4.57E-03	7.67E-04	7.67E-04	3.35E-04	3.35E-04
3472	440669.1	3768343	4.10E-03	4.10E-03	4.62E-03	4.62E-03	7.75E-04	7.75E-04	3.39E-04	3.39E-04
3473	440672.9	3768334	4.13E-03	4.13E-03	4.66E-03	4.66E-03	7.82E-04	7.82E-04	3.42E-04	3.42E-04
3474	440676.7	3768325	4.16E-03	4.16E-03	4.69E-03	4.69E-03	7.87E-04	7.87E-04	3.44E-04	3.44E-04
3475	440680.5	3768316	4.19E-03	4.19E-03	4.73E-03	4.73E-03	7.92E-04	7.92E-04	3.47E-04	3.47E-04
3476	440684.3	3768307	4.22E-03	4.22E-03	4.76E-03	4.76E-03	7.98E-04	7.98E-04	3.49E-04	3.49E-04
3477	440913.8	3767922	3.81E-03	3.81E-03	4.30E-03	4.30E-03	7.21E-04	7.21E-04	3.15E-04	3.15E-04
3478	441076.8	3767855	3.28E-03	3.28E-03	3.69E-03	3.69E-03	6.20E-04	6.20E-04	2.71E-04	2.71E-04
3479	441085.9	3767851	3.24E-03	3.24E-03	3.65E-03	3.65E-03	6.13E-04	6.13E-04	2.68E-04	2.68E-04
3480	441131.2	3767833	3.02E-03	3.02E-03	3.41E-03	3.41E-03	5.72E-04	5.72E-04	2.50E-04	2.50E-04
3481	441140.3	3767829	2.98E-03	2.98E-03	3.35E-03	3.35E-03	5.62E-04	5.62E-04	2.46E-04	2.46E-04
3482	441149.3	3767825	2.93E-03	2.93E-03	3.30E-03	3.30E-03	5.54E-04	5.54E-04	2.42E-04	2.42E-04
3483	441158.4	3767822	2.89E-03	2.89E-03	3.25E-03	3.25E-03	5.46E-04	5.46E-04	2.39E-04	2.39E-04
3484	441167.4	3767818	2.85E-03	2.85E-03	3.21E-03	3.21E-03	5.38E-04	5.38E-04	2.35E-04	2.35E-04
3485	441194.6	3767807	2.73E-03	2.73E-03	3.08E-03	3.08E-03	5.17E-04	5.17E-04	2.26E-04	2.26E-04
3486	441203.7	3767803	2.69E-03	2.69E-03	3.04E-03	3.04E-03	5.09E-04	5.09E-04	2.23E-04	2.23E-04
3487	441212.7	3767800	2.65E-03	2.65E-03	2.99E-03	2.99E-03	5.01E-04	5.01E-04	2.19E-04	2.19E-04
3488	441221.8	3767796	2.61E-03	2.61E-03	2.94E-03	2.94E-03	4.93E-04	4.93E-04	2.16E-04	2.16E-04
3489	441230.8	3767792	2.56E-03	2.56E-03	2.89E-03	2.89E-03	4.85E-04	4.85E-04	2.12E-04	2.12E-04
3490	441239.9	3767788	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
3491	441249	3767785	2.47E-03	2.47E-03	2.79E-03	2.79E-03	4.68E-04	4.68E-04	2.04E-04	2.04E-04
3492	441258	3767781	2.43E-03	2.43E-03	2.74E-03	2.74E-03	4.59E-04	4.59E-04	2.01E-04	2.01E-04
3493	441267.1	3767777	2.38E-03	2.38E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
3494	441276.1	3767774	2.35E-03	2.35E-03	2.64E-03	2.64E-03	4.43E-04	4.43E-04	1.94E-04	1.94E-04
3495	441285.2	3767770	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.37E-04	4.37E-04	1.91E-04	1.91E-04
3496	441294.3	3767766	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.30E-04	4.30E-04	1.88E-04	1.88E-04
3497	441303.3	3767762	2.24E-03	2.24E-03	2.52E-03	2.52E-03	4.23E-04	4.23E-04	1.85E-04	1.85E-04
3498	441312.4	3767759	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.16E-04	4.16E-04	1.82E-04	1.82E-04
3499	441321.4	3767755	2.16E-03	2.16E-03	2.43E-03	2.43E-03	4.08E-04	4.08E-04	1.79E-04	1.79E-04
3500	441330.5	3767751	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
3501	441339.5	3767748	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04

3502	441348.6	3767744	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
3503	441357.7	3767740	2.01E-03	2.01E-03	2.27E-03	2.27E-03	3.81E-04	3.81E-04	1.66E-04	1.66E-04
3504	441366.7	3767736	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.64E-04	1.64E-04
3505	441375.8	3767733	1.95E-03	1.95E-03	2.19E-03	2.19E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
3506	441384.8	3767729	1.92E-03	1.92E-03	2.16E-03	2.16E-03	3.63E-04	3.63E-04	1.59E-04	1.59E-04
3507	441393.9	3767725	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
3508	441403	3767722	1.85E-03	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
3509	440557	3768515	2.97E-03	2.97E-03	3.34E-03	3.34E-03	5.61E-04	5.61E-04	2.45E-04	2.45E-04
3510	440560.8	3768506	3.01E-03	3.01E-03	3.39E-03	3.39E-03	5.68E-04	5.68E-04	2.49E-04	2.49E-04
3511	440564.6	3768496	3.05E-03	3.05E-03	3.44E-03	3.44E-03	5.77E-04	5.77E-04	2.52E-04	2.52E-04
3512	440568.4	3768487	3.09E-03	3.09E-03	3.49E-03	3.49E-03	5.85E-04	5.85E-04	2.56E-04	2.56E-04
3513	440572.2	3768478	3.14E-03	3.14E-03	3.54E-03	3.54E-03	5.93E-04	5.93E-04	2.59E-04	2.59E-04
3514	440576	3768469	3.18E-03	3.18E-03	3.59E-03	3.59E-03	6.02E-04	6.02E-04	2.63E-04	2.63E-04
3515	440610.2	3768388	3.53E-03	3.53E-03	3.98E-03	3.98E-03	6.68E-04	6.68E-04	2.92E-04	2.92E-04
3516	440614	3768379	3.56E-03	3.56E-03	4.02E-03	4.02E-03	6.74E-04	6.74E-04	2.95E-04	2.95E-04
3517	440617.8	3768370	3.59E-03	3.59E-03	4.05E-03	4.05E-03	6.79E-04	6.79E-04	2.97E-04	2.97E-04
3518	440621.6	3768361	3.62E-03	3.62E-03	4.09E-03	4.09E-03	6.85E-04	6.85E-04	3.00E-04	3.00E-04
3519	440625.4	3768352	3.66E-03	3.66E-03	4.13E-03	4.13E-03	6.92E-04	6.92E-04	3.03E-04	3.03E-04
3520	440629.2	3768343	3.70E-03	3.70E-03	4.17E-03	4.17E-03	6.99E-04	6.99E-04	3.06E-04	3.06E-04
3521	440633	3768334	3.74E-03	3.74E-03	4.21E-03	4.21E-03	7.06E-04	7.06E-04	3.09E-04	3.09E-04
3522	440636.8	3768325	3.77E-03	3.77E-03	4.25E-03	4.25E-03	7.13E-04	7.13E-04	3.12E-04	3.12E-04
3523	440640.6	3768316	3.81E-03	3.81E-03	4.29E-03	4.29E-03	7.20E-04	7.20E-04	3.15E-04	3.15E-04
3524	440644.4	3768307	3.84E-03	3.84E-03	4.33E-03	4.33E-03	7.26E-04	7.26E-04	3.17E-04	3.17E-04
3525	440777.5	3767990	3.87E-03	3.87E-03	4.36E-03	4.36E-03	7.31E-04	7.31E-04	3.20E-04	3.20E-04
3526	440781.3	3767981	3.83E-03	3.83E-03	4.32E-03	4.32E-03	7.24E-04	7.24E-04	3.17E-04	3.17E-04
3527	440813.2	3767923	3.60E-03	3.60E-03	4.06E-03	4.06E-03	6.80E-04	6.80E-04	2.98E-04	2.98E-04
3528	440822.3	3767920	3.60E-03	3.60E-03	4.06E-03	4.06E-03	6.81E-04	6.81E-04	2.98E-04	2.98E-04
3529	440831.3	3767916	3.60E-03	3.60E-03	4.06E-03	4.06E-03	6.81E-04	6.81E-04	2.98E-04	2.98E-04
3530	440840.4	3767912	3.60E-03	3.60E-03	4.06E-03	4.06E-03	6.81E-04	6.81E-04	2.98E-04	2.98E-04
3531	440849.5	3767908	3.60E-03	3.60E-03	4.06E-03	4.06E-03	6.81E-04	6.81E-04	2.98E-04	2.98E-04
3532	440858.6	3767905	3.60E-03	3.60E-03	4.05E-03	4.05E-03	6.80E-04	6.80E-04	2.97E-04	2.97E-04
3533	440867.6	3767901	3.59E-03	3.59E-03	4.05E-03	4.05E-03	6.78E-04	6.78E-04	2.97E-04	2.97E-04
3534	440876.7	3767897	3.58E-03	3.58E-03	4.04E-03	4.04E-03	6.77E-04	6.77E-04	2.96E-04	2.96E-04
3535	440885.8	3767893	3.57E-03	3.57E-03	4.03E-03	4.03E-03	6.75E-04	6.75E-04	2.95E-04	2.95E-04
3536	440894.9	3767890	3.56E-03	3.56E-03	4.02E-03	4.02E-03	6.73E-04	6.73E-04	2.95E-04	2.95E-04
3537	440903.9	3767886	3.55E-03	3.55E-03	4.00E-03	4.00E-03	6.71E-04	6.71E-04	2.94E-04	2.94E-04
3538	440913	3767882	3.54E-03	3.54E-03	3.99E-03	3.99E-03	6.69E-04	6.69E-04	2.93E-04	2.93E-04
3539	440922.1	3767879	3.52E-03	3.52E-03	3.97E-03	3.97E-03	6.66E-04	6.66E-04	2.91E-04	2.91E-04
3540	440931.2	3767875	3.50E-03	3.50E-03	3.95E-03	3.95E-03	6.62E-04	6.62E-04	2.90E-04	2.90E-04
3541	440940.2	3767871	3.48E-03	3.48E-03	3.92E-03	3.92E-03	6.58E-04	6.58E-04	2.88E-04	2.88E-04
3542	440949.3	3767867	3.46E-03	3.46E-03	3.90E-03	3.90E-03	6.54E-04	6.54E-04	2.86E-04	2.86E-04
3543	440958.4	3767864	3.44E-03	3.44E-03	3.87E-03	3.87E-03	6.49E-04	6.49E-04	2.84E-04	2.84E-04
3544	440967.5	3767860	3.41E-03	3.41E-03	3.85E-03	3.85E-03	6.45E-04	6.45E-04	2.82E-04	2.82E-04
3545	440976.5	3767856	3.39E-03	3.39E-03	3.82E-03	3.82E-03	6.40E-04	6.40E-04	2.80E-04	2.80E-04
3546	440985.6	3767853	3.36E-03	3.36E-03	3.78E-03	3.78E-03	6.35E-04	6.35E-04	2.78E-04	2.78E-04
3547	440994.7	3767849	3.32E-03	3.32E-03	3.75E-03	3.75E-03	6.28E-04	6.28E-04	2.75E-04	2.75E-04
3548	441003.8	3767845	3.29E-03	3.29E-03	3.71E-03	3.71E-03	6.22E-04	6.22E-04	2.72E-04	2.72E-04
3549	441012.8	3767841	3.26E-03	3.26E-03	3.67E-03	3.67E-03	6.15E-04	6.15E-04	2.69E-04	2.69E-04
3550	441021.9	3767838	3.22E-03	3.22E-03	3.63E-03	3.63E-03	6.08E-04	6.08E-04	2.66E-04	2.66E-04
3551	441031	3767834	3.18E-03	3.18E-03	3.59E-03	3.59E-03	6.01E-04	6.01E-04	2.63E-04	2.63E-04
3552	441040.1	3767830	3.15E-03	3.15E-03	3.55E-03	3.55E-03	5.95E-04	5.95E-04	2.60E-04	2.60E-04
3553	441049.1	3767827	3.11E-03	3.11E-03	3.51E-03	3.51E-03	5.89E-04	5.89E-04	2.57E-04	2.57E-04
3554	441058.2	3767823	3.08E-03	3.08E-03	3.47E-03	3.47E-03	5.82E-04	5.82E-04	2.54E-04	2.54E-04
3555	441067.3	3767819	3.05E-03	3.05E-03	3.43E-03	3.43E-03	5.76E-04	5.76E-04	2.52E-04	2.52E-04
3556	441076.4	3767815	3.01E-03	3.01E-03	3.40E-03	3.40E-03	5.70E-04	5.70E-04	2.49E-04	2.49E-04
3557	441085.4	3767812	2.98E-03	2.98E-03	3.36E-03	3.36E-03	5.63E-04	5.63E-04	2.46E-04	2.46E-04
3558	441094.5	3767808	2.94E-03	2.94E-03	3.32E-03	3.32E-03	5.56E-04	5.56E-04	2.43E-04	2.43E-04
3559	441103.6	3767804	2.91E-03	2.91E-03	3.27E-03	3.27E-03	5.49E-04	5.49E-04	2.40E-04	2.40E-04
3560	441112.7	3767801	2.87E-03	2.87E-03	3.23E-03	3.23E-03	5.42E-04	5.42E-04	2.37E-04	2.37E-04
3561	441121.7	3767797	2.83E-03	2.83E-03	3.19E-03	3.19E-03	5.35E-04	5.35E-04	2.34E-04	2.34E-04
3562	441130.8	3767793	2.79E-03	2.79E-03	3.15E-03	3.15E-03	5.28E-04	5.28E-04	2.31E-04	2.31E-04
3563	441139.9	3767789	2.76E-03	2.76E-03	3.11E-03	3.11E-03	5.21E-04	5.21E-04	2.28E-04	2.28E-04
3564	441149	3767786	2.72E-03	2.72E-03	3.07E-03	3.07E-03	5.15E-04	5.15E-04	2.25E-04	2.25E-04
3565	441158	3767782	2.69E-03	2.69E-03	3.03E-03	3.03E-03	5.08E-04	5.08E-04	2.22E-04	2.22E-04
3566	441194.3	3767767	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.80E-04	4.80E-04	2.10E-04	2.10E-04
3567	441203.4	3767763	2.49E-03	2.49E-03	2.81E-03	2.81E-03	4.71E-04	4.71E-04	2.06E-04	2.06E-04
3568	441212.5	3767760	2.45E-03	2.45E-03	2.76E-03	2.76E-03	4.63E-04	4.63E-04	2.02E-04	2.02E-04
3569	441221.6	3767756	2.40E-03	2.40E-03	2.71E-03	2.71E-03	4.54E-04	4.54E-04	1.99E-04	1.99E-04
3570	441230.6	3767752	2.35E-03	2.35E-03	2.65E-03	2.65E-03	4.45E-04	4.45E-04	1.95E-04	1.95E-04
3571	441239.7	3767749	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
3572	441248.8	3767745	2.26E-03	2.26E-03	2.55E-03	2.55E-03	4.28E-04	4.28E-04	1.87E-04	1.87E-04
3573	441257.9	3767741	2.22E-03	2.22E-03	2.51E-03	2.51E-03	4.20E-04	4.20E-04	1.84E-04	1.84E-04
3574	441266.9	3767737	2.19E-03	2.19E-03	2.46E-03	2.46E-03	4.13E-04	4.13E-04	1.81E-04	1.81E-04

3575	441276	3767734	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04
3576	441285.1	3767730	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.00E-04	4.00E-04	1.75E-04	1.75E-04
3577	441294.2	3767726	2.08E-03	2.08E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
3578	441303.2	3767722	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.88E-04	3.88E-04	1.70E-04	1.70E-04
3579	441312.3	3767719	2.02E-03	2.02E-03	2.27E-03	2.27E-03	3.81E-04	3.81E-04	1.67E-04	1.67E-04
3580	441321.4	3767715	1.99E-03	1.99E-03	2.24E-03	2.24E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04
3581	441330.5	3767711	1.96E-03	1.96E-03	2.20E-03	2.20E-03	3.70E-04	3.70E-04	1.62E-04	1.62E-04
3582	441339.5	3767708	1.92E-03	1.92E-03	2.17E-03	2.17E-03	3.64E-04	3.64E-04	1.59E-04	1.59E-04
3583	441348.6	3767704	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.58E-04	3.58E-04	1.56E-04	1.56E-04
3584	441357.7	3767700	1.86E-03	1.86E-03	2.10E-03	2.10E-03	3.52E-04	3.52E-04	1.54E-04	1.54E-04
3585	441366.8	3767696	1.83E-03	1.83E-03	2.07E-03	2.07E-03	3.47E-04	3.47E-04	1.52E-04	1.52E-04
3586	441375.8	3767693	1.81E-03	1.81E-03	2.04E-03	2.04E-03	3.42E-04	3.42E-04	1.49E-04	1.49E-04
3587	441384.9	3767689	1.78E-03	1.78E-03	2.01E-03	2.01E-03	3.37E-04	3.37E-04	1.47E-04	1.47E-04
3588	441394	3767685	1.75E-03	1.75E-03	1.97E-03	1.97E-03	3.31E-04	3.31E-04	1.45E-04	1.45E-04
3589	441403.1	3767682	1.72E-03	1.72E-03	1.94E-03	1.94E-03	3.25E-04	3.25E-04	1.42E-04	1.42E-04
3590	440549.2	3768572	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.33E-04	5.33E-04	2.33E-04	2.33E-04
3591	440549.1	3768582	2.79E-03	2.79E-03	3.15E-03	3.15E-03	5.28E-04	5.28E-04	2.31E-04	2.31E-04
3592	440549.1	3768592	2.77E-03	2.77E-03	3.12E-03	3.12E-03	5.23E-04	5.23E-04	2.29E-04	2.29E-04
3593	440549	3768602	2.74E-03	2.74E-03	3.09E-03	3.09E-03	5.19E-04	5.19E-04	2.27E-04	2.27E-04
3594	440548.9	3768612	2.72E-03	2.72E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
3595	440548.9	3768622	2.69E-03	2.69E-03	3.03E-03	3.03E-03	5.08E-04	5.08E-04	2.22E-04	2.22E-04
3596	440517	3768514	2.72E-03	2.72E-03	3.07E-03	3.07E-03	5.14E-04	5.14E-04	2.25E-04	2.25E-04
3597	440520.8	3768505	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.20E-04	5.20E-04	2.28E-04	2.28E-04
3598	440524.6	3768496	2.79E-03	2.79E-03	3.14E-03	3.14E-03	5.27E-04	5.27E-04	2.31E-04	2.31E-04
3599	440528.4	3768487	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.34E-04	5.34E-04	2.33E-04	2.33E-04
3600	440532.3	3768478	2.86E-03	2.86E-03	3.22E-03	3.22E-03	5.41E-04	5.41E-04	2.36E-04	2.36E-04
3601	440536.1	3768469	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.48E-04	5.48E-04	2.40E-04	2.40E-04
3602	440558.9	3768415	3.12E-03	3.12E-03	3.51E-03	3.51E-03	5.89E-04	5.89E-04	2.58E-04	2.58E-04
3603	440562.7	3768406	3.15E-03	3.15E-03	3.55E-03	3.55E-03	5.95E-04	5.95E-04	2.60E-04	2.60E-04
3604	440566.5	3768397	3.18E-03	3.18E-03	3.59E-03	3.59E-03	6.02E-04	6.02E-04	2.63E-04	2.63E-04
3605	440570.3	3768388	3.21E-03	3.21E-03	3.62E-03	3.62E-03	6.08E-04	6.08E-04	2.66E-04	2.66E-04
3606	440574.1	3768378	3.25E-03	3.25E-03	3.66E-03	3.66E-03	6.13E-04	6.13E-04	2.68E-04	2.68E-04
3607	440741.7	3767980	3.65E-03	3.65E-03	4.11E-03	4.11E-03	6.90E-04	6.90E-04	3.02E-04	3.02E-04
3608	440745.5	3767971	3.62E-03	3.62E-03	4.07E-03	4.07E-03	6.83E-04	6.83E-04	2.99E-04	2.99E-04
3609	440749.3	3767962	3.59E-03	3.59E-03	4.04E-03	4.04E-03	6.78E-04	6.78E-04	2.97E-04	2.97E-04
3610	440753.1	3767953	3.56E-03	3.56E-03	4.01E-03	4.01E-03	6.73E-04	6.73E-04	2.94E-04	2.94E-04
3611	440756.9	3767944	3.53E-03	3.53E-03	3.98E-03	3.98E-03	6.68E-04	6.68E-04	2.92E-04	2.92E-04
3612	440760.7	3767935	3.50E-03	3.50E-03	3.95E-03	3.95E-03	6.62E-04	6.62E-04	2.89E-04	2.89E-04
3613	440764.5	3767926	3.46E-03	3.46E-03	3.90E-03	3.90E-03	6.55E-04	6.55E-04	2.86E-04	2.86E-04
3614	440794.1	3767891	3.37E-03	3.37E-03	3.80E-03	3.80E-03	6.37E-04	6.37E-04	2.79E-04	2.79E-04
3615	440803.2	3767887	3.37E-03	3.37E-03	3.80E-03	3.80E-03	6.37E-04	6.37E-04	2.79E-04	2.79E-04
3616	440812.3	3767884	3.37E-03	3.37E-03	3.80E-03	3.80E-03	6.37E-04	6.37E-04	2.79E-04	2.79E-04
3617	440821.4	3767880	3.37E-03	3.37E-03	3.80E-03	3.80E-03	6.37E-04	6.37E-04	2.78E-04	2.78E-04
3618	440830.5	3767876	3.36E-03	3.36E-03	3.79E-03	3.79E-03	6.36E-04	6.36E-04	2.78E-04	2.78E-04
3619	440839.6	3767872	3.36E-03	3.36E-03	3.78E-03	3.78E-03	6.35E-04	6.35E-04	2.78E-04	2.78E-04
3620	440848.7	3767869	3.35E-03	3.35E-03	3.77E-03	3.77E-03	6.33E-04	6.33E-04	2.77E-04	2.77E-04
3621	440857.8	3767865	3.34E-03	3.34E-03	3.76E-03	3.76E-03	6.31E-04	6.31E-04	2.76E-04	2.76E-04
3622	440866.9	3767861	3.33E-03	3.33E-03	3.75E-03	3.75E-03	6.29E-04	6.29E-04	2.75E-04	2.75E-04
3623	440875.9	3767858	3.32E-03	3.32E-03	3.74E-03	3.74E-03	6.28E-04	6.28E-04	2.75E-04	2.75E-04
3624	440885	3767854	3.31E-03	3.31E-03	3.73E-03	3.73E-03	6.26E-04	6.26E-04	2.74E-04	2.74E-04
3625	440894.1	3767850	3.29E-03	3.29E-03	3.71E-03	3.71E-03	6.23E-04	6.23E-04	2.72E-04	2.72E-04
3626	440903.2	3767846	3.28E-03	3.28E-03	3.69E-03	3.69E-03	6.20E-04	6.20E-04	2.71E-04	2.71E-04
3627	440912.3	3767843	3.26E-03	3.26E-03	3.68E-03	3.68E-03	6.17E-04	6.17E-04	2.70E-04	2.70E-04
3628	440921.4	3767839	3.25E-03	3.25E-03	3.66E-03	3.66E-03	6.14E-04	6.14E-04	2.69E-04	2.69E-04
3629	440930.5	3767835	3.24E-03	3.24E-03	3.65E-03	3.65E-03	6.12E-04	6.12E-04	2.68E-04	2.68E-04
3630	440939.6	3767832	3.22E-03	3.22E-03	3.63E-03	3.63E-03	6.09E-04	6.09E-04	2.66E-04	2.66E-04
3631	440948.7	3767828	3.20E-03	3.20E-03	3.61E-03	3.61E-03	6.05E-04	6.05E-04	2.65E-04	2.65E-04
3632	440957.8	3767824	3.18E-03	3.18E-03	3.58E-03	3.58E-03	6.00E-04	6.00E-04	2.63E-04	2.63E-04
3633	440966.8	3767820	3.15E-03	3.15E-03	3.55E-03	3.55E-03	5.96E-04	5.96E-04	2.61E-04	2.61E-04
3634	440975.9	3767817	3.13E-03	3.13E-03	3.52E-03	3.52E-03	5.91E-04	5.91E-04	2.58E-04	2.58E-04
3635	440985	3767813	3.10E-03	3.10E-03	3.49E-03	3.49E-03	5.86E-04	5.86E-04	2.56E-04	2.56E-04
3636	440994.1	3767809	3.07E-03	3.07E-03	3.46E-03	3.46E-03	5.81E-04	5.81E-04	2.54E-04	2.54E-04
3637	441003.2	3767805	3.04E-03	3.04E-03	3.43E-03	3.43E-03	5.75E-04	5.75E-04	2.51E-04	2.51E-04
3638	441012.3	3767802	3.01E-03	3.01E-03	3.39E-03	3.39E-03	5.68E-04	5.68E-04	2.49E-04	2.49E-04
3639	441021.4	3767798	2.97E-03	2.97E-03	3.35E-03	3.35E-03	5.62E-04	5.62E-04	2.46E-04	2.46E-04
3640	441030.5	3767794	2.94E-03	2.94E-03	3.31E-03	3.31E-03	5.55E-04	5.55E-04	2.43E-04	2.43E-04
3641	441039.6	3767791	2.91E-03	2.91E-03	3.28E-03	3.28E-03	5.50E-04	5.50E-04	2.41E-04	2.41E-04
3642	441048.7	3767787	2.88E-03	2.88E-03	3.25E-03	3.25E-03	5.45E-04	5.45E-04	2.38E-04	2.38E-04
3643	441057.7	3767783	2.85E-03	2.85E-03	3.21E-03	3.21E-03	5.39E-04	5.39E-04	2.36E-04	2.36E-04
3644	441066.8	3767779	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.33E-04	5.33E-04	2.33E-04	2.33E-04
3645	441075.9	3767776	2.78E-03	2.78E-03	3.13E-03	3.13E-03	5.26E-04	5.26E-04	2.30E-04	2.30E-04
3646	441085	3767772	2.74E-03	2.74E-03	3.09E-03	3.09E-03	5.19E-04	5.19E-04	2.27E-04	2.27E-04
3647	441094.1	3767768	2.71E-03	2.71E-03	3.05E-03	3.05E-03	5.12E-04	5.12E-04	2.24E-04	2.24E-04

3648	441103.2	3767764	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.05E-04	5.05E-04	2.21E-04	2.21E-04
3649	441112.3	3767761	2.63E-03	2.63E-03	2.97E-03	2.97E-03	4.98E-04	4.98E-04	2.18E-04	2.18E-04
3650	441121.4	3767757	2.60E-03	2.60E-03	2.93E-03	2.93E-03	4.91E-04	4.91E-04	2.15E-04	2.15E-04
3651	441130.5	3767753	2.57E-03	2.57E-03	2.90E-03	2.90E-03	4.86E-04	4.86E-04	2.13E-04	2.13E-04
3652	441139.6	3767750	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.80E-04	4.80E-04	2.10E-04	2.10E-04
3653	441148.7	3767746	2.51E-03	2.51E-03	2.83E-03	2.83E-03	4.75E-04	4.75E-04	2.08E-04	2.08E-04
3654	441157.7	3767742	2.48E-03	2.48E-03	2.80E-03	2.80E-03	4.69E-04	4.69E-04	2.05E-04	2.05E-04
3655	441194.1	3767727	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.41E-04	4.41E-04	1.93E-04	1.93E-04
3656	441203.2	3767724	2.29E-03	2.29E-03	2.58E-03	2.58E-03	4.32E-04	4.32E-04	1.89E-04	1.89E-04
3657	441212.3	3767720	2.24E-03	2.24E-03	2.52E-03	2.52E-03	4.23E-04	4.23E-04	1.85E-04	1.85E-04
3658	441221.4	3767716	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.16E-04	4.16E-04	1.82E-04	1.82E-04
3659	441230.5	3767712	2.16E-03	2.16E-03	2.43E-03	2.43E-03	4.08E-04	4.08E-04	1.78E-04	1.78E-04
3660	441239.6	3767709	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
3661	441248.6	3767705	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.95E-04	3.95E-04	1.73E-04	1.73E-04
3662	441257.7	3767701	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.89E-04	3.89E-04	1.70E-04	1.70E-04
3663	441266.8	3767697	2.03E-03	2.03E-03	2.28E-03	2.28E-03	3.83E-04	3.83E-04	1.68E-04	1.68E-04
3664	441275.9	3767694	2.00E-03	2.00E-03	2.25E-03	2.25E-03	3.78E-04	3.78E-04	1.65E-04	1.65E-04
3665	441285	3767690	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.72E-04	3.72E-04	1.63E-04	1.63E-04
3666	441294.1	3767686	1.94E-03	1.94E-03	2.18E-03	2.18E-03	3.66E-04	3.66E-04	1.60E-04	1.60E-04
3667	441303.2	3767683	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
3668	441312.3	3767679	1.88E-03	1.88E-03	2.12E-03	2.12E-03	3.55E-04	3.55E-04	1.55E-04	1.55E-04
3669	441321.4	3767675	1.85E-03	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
3670	441330.5	3767671	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.51E-04	1.51E-04
3671	441339.5	3767668	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.39E-04	3.39E-04	1.48E-04	1.48E-04
3672	441348.6	3767664	1.77E-03	1.77E-03	1.99E-03	1.99E-03	3.34E-04	3.34E-04	1.46E-04	1.46E-04
3673	441357.7	3767660	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.29E-04	3.29E-04	1.44E-04	1.44E-04
3674	441366.8	3767656	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.24E-04	3.24E-04	1.42E-04	1.42E-04
3675	441375.9	3767653	1.69E-03	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.40E-04	1.40E-04
3676	441385	3767649	1.66E-03	1.66E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
3677	441394.1	3767645	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.10E-04	3.10E-04	1.36E-04	1.36E-04
3678	441403.2	3767642	1.61E-03	1.61E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.33E-04	1.33E-04
3679	440509.2	3768572	2.59E-03	2.59E-03	2.91E-03	2.91E-03	4.89E-04	4.89E-04	2.14E-04	2.14E-04
3680	440509.1	3768582	2.56E-03	2.56E-03	2.89E-03	2.89E-03	4.85E-04	4.85E-04	2.12E-04	2.12E-04
3681	440509.1	3768592	2.54E-03	2.54E-03	2.87E-03	2.87E-03	4.81E-04	4.81E-04	2.10E-04	2.10E-04
3682	440509	3768602	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
3683	440508.9	3768612	2.50E-03	2.50E-03	2.81E-03	2.81E-03	4.72E-04	4.72E-04	2.06E-04	2.06E-04
3684	440508.9	3768622	2.47E-03	2.47E-03	2.79E-03	2.79E-03	4.67E-04	4.67E-04	2.04E-04	2.04E-04
3685	441407.5	3768547	9.91E-02	9.91E-02	1.12E-01	1.12E-01	1.87E-02	1.87E-02	8.20E-03	8.20E-03
3686	441363.9	3767848	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.65E-04	4.65E-04	2.03E-04	2.03E-04
3687	441363.2	3767808	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.30E-04	4.30E-04	1.88E-04	1.88E-04
3688	441362.5	3767768	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.00E-04	4.00E-04	1.75E-04	1.75E-04
3689	441361.8	3767728	1.95E-03	1.95E-03	2.20E-03	2.20E-03	3.69E-04	3.69E-04	1.61E-04	1.61E-04
3690	441397.4	3768612	1.45E-01	1.45E-01	1.64E-01	1.64E-01	2.74E-02	2.74E-02	1.20E-02	1.20E-02
3691	441377.3	3768591	1.05E-01	1.05E-01	1.18E-01	1.18E-01	1.98E-02	1.98E-02	8.67E-03	8.67E-03
3692	441357.9	3768591	1.05E-01	1.05E-01	1.19E-01	1.19E-01	1.99E-02	1.99E-02	8.70E-03	8.70E-03
3693	441338.4	3768591	1.06E-01	1.06E-01	1.20E-01	1.20E-01	2.01E-02	2.01E-02	8.77E-03	8.77E-03
3694	441318.9	3768592	1.04E-01	1.04E-01	1.18E-01	1.18E-01	1.97E-02	1.97E-02	8.62E-03	8.62E-03
3695	441299.5	3768592	1.00E-01	1.00E-01	1.13E-01	1.13E-01	1.89E-02	1.89E-02	8.28E-03	8.28E-03
3696	441280	3768592	9.73E-02	9.73E-02	1.10E-01	1.10E-01	1.84E-02	1.84E-02	8.05E-03	8.05E-03
3697	441260.6	3768592	9.10E-02	9.10E-02	1.03E-01	1.03E-01	1.72E-02	1.72E-02	7.52E-03	7.52E-03
3698	441398.7	3768580	1.11E-01	1.11E-01	1.25E-01	1.25E-01	2.09E-02	2.09E-02	9.16E-03	9.16E-03
3699	441357.8	3768571	8.36E-02	8.36E-02	9.42E-02	9.42E-02	1.58E-02	1.58E-02	6.91E-03	6.91E-03
3700	441338.3	3768571	8.00E-02	8.00E-02	9.01E-02	9.01E-02	1.51E-02	1.51E-02	6.61E-03	6.61E-03
3701	441318.9	3768572	7.80E-02	7.80E-02	8.79E-02	8.79E-02	1.47E-02	1.47E-02	6.45E-03	6.45E-03
3702	441299.4	3768572	7.61E-02	7.61E-02	8.58E-02	8.58E-02	1.44E-02	1.44E-02	6.29E-03	6.29E-03
3703	441279.9	3768572	7.43E-02	7.43E-02	8.37E-02	8.37E-02	1.40E-02	1.40E-02	6.14E-03	6.14E-03
3704	441260.5	3768572	7.02E-02	7.02E-02	7.91E-02	7.91E-02	1.33E-02	1.33E-02	5.80E-03	5.80E-03
3705	441357.7	3768551	6.80E-02	6.80E-02	7.67E-02	7.67E-02	1.29E-02	1.29E-02	5.63E-03	5.63E-03
3706	441338.2	3768551	6.37E-02	6.37E-02	7.18E-02	7.18E-02	1.20E-02	1.20E-02	5.26E-03	5.26E-03
3707	441318.8	3768552	6.11E-02	6.11E-02	6.89E-02	6.89E-02	1.16E-02	1.16E-02	5.05E-03	5.05E-03
3708	441299.3	3768552	5.91E-02	5.91E-02	6.66E-02	6.66E-02	1.12E-02	1.12E-02	4.89E-03	4.89E-03
3709	441279.8	3768552	5.79E-02	5.79E-02	6.53E-02	6.53E-02	1.10E-02	1.10E-02	4.79E-03	4.79E-03
3710	441260.4	3768552	5.57E-02	5.57E-02	6.28E-02	6.28E-02	1.05E-02	1.05E-02	4.61E-03	4.61E-03
3711	441439.6	3768537	9.48E-02	9.48E-02	1.07E-01	1.07E-01	1.79E-02	1.79E-02	7.84E-03	7.84E-03
3712	441500.6	3768572	1.15E-01	1.15E-01	1.30E-01	1.30E-01	2.18E-02	2.18E-02	9.53E-03	9.53E-03
3713	441543.6	3768580	5.87E-02	5.87E-02	6.62E-02	6.62E-02	1.11E-02	1.11E-02	4.86E-03	4.86E-03
3714	441583.3	3768580	3.79E-02	3.79E-02	4.27E-02	4.27E-02	7.16E-03	7.16E-03	3.13E-03	3.13E-03
3715	441419.3	3768389	1.56E-02	1.56E-02	1.75E-02	1.75E-02	2.94E-03	2.94E-03	1.29E-03	1.29E-03
3716	441603.5	3768581	3.24E-02	3.24E-02	3.65E-02	3.65E-02	6.12E-03	6.12E-03	2.68E-03	2.68E-03
3717	441623.1	3768580	2.77E-02	2.77E-02	3.12E-02	3.12E-02	5.23E-03	5.23E-03	2.29E-03	2.29E-03
3718	441643.3	3768581	2.43E-02	2.43E-02	2.74E-02	2.74E-02	4.59E-03	4.59E-03	2.01E-03	2.01E-03
3719	441594.4	3768409	8.22E-03	8.22E-03	9.26E-03	9.26E-03	1.55E-03	1.55E-03	6.79E-04	6.79E-04
3720	441663	3768580	2.14E-02	2.14E-02	2.41E-02	2.41E-02	4.05E-03	4.05E-03	1.77E-03	1.77E-03

3721	441622.8	3768381	6.61E-03	6.61E-03	7.45E-03	7.45E-03	1.25E-03	1.25E-03	5.47E-04	5.47E-04
3722	441629.8	3768399	6.88E-03	6.88E-03	7.75E-03	7.75E-03	1.30E-03	1.30E-03	5.68E-04	5.68E-04
3723	441703.4	3768582	1.75E-02	1.75E-02	1.97E-02	1.97E-02	3.31E-03	3.31E-03	1.45E-03	1.45E-03
3724	441463.4	3768268	6.98E-03	6.98E-03	7.87E-03	7.87E-03	1.32E-03	1.32E-03	5.77E-04	5.77E-04
3725	441560	3768308	6.16E-03	6.16E-03	6.94E-03	6.94E-03	1.16E-03	1.16E-03	5.09E-04	5.09E-04
3726	441651.3	3768353	5.44E-03	5.44E-03	6.13E-03	6.13E-03	1.03E-03	1.03E-03	4.49E-04	4.49E-04
3727	441743.2	3768582	1.45E-02	1.45E-02	1.64E-02	1.64E-02	2.75E-03	2.75E-03	1.20E-03	1.20E-03
3728	441419.7	3768210	6.27E-03	6.27E-03	7.06E-03	7.06E-03	1.18E-03	1.18E-03	5.18E-04	5.18E-04
3729	441428.5	3768213	6.25E-03	6.25E-03	7.04E-03	7.04E-03	1.18E-03	1.18E-03	5.16E-04	5.16E-04
3730	441437.4	3768217	6.21E-03	6.21E-03	7.00E-03	7.00E-03	1.17E-03	1.17E-03	5.14E-04	5.14E-04
3731	441446.2	3768221	6.18E-03	6.18E-03	6.96E-03	6.96E-03	1.17E-03	1.17E-03	5.11E-04	5.11E-04
3732	441455.1	3768224	6.11E-03	6.11E-03	6.88E-03	6.88E-03	1.15E-03	1.15E-03	5.05E-04	5.05E-04
3733	441463.9	3768228	6.01E-03	6.01E-03	6.78E-03	6.78E-03	1.14E-03	1.14E-03	4.97E-04	4.97E-04
3734	441765.3	3768538	9.72E-03	9.72E-03	1.10E-02	1.10E-02	1.84E-03	1.84E-03	8.04E-04	8.04E-04
3735	441419.8	3768170	5.34E-03	5.34E-03	6.02E-03	6.02E-03	1.01E-03	1.01E-03	4.42E-04	4.42E-04
3736	441428.7	3768173	5.33E-03	5.33E-03	6.01E-03	6.01E-03	1.01E-03	1.01E-03	4.41E-04	4.41E-04
3737	441437.6	3768177	5.32E-03	5.32E-03	5.99E-03	5.99E-03	1.01E-03	1.01E-03	4.40E-04	4.40E-04
3738	441446.5	3768181	5.31E-03	5.31E-03	5.98E-03	5.98E-03	1.00E-03	1.00E-03	4.39E-04	4.39E-04
3739	441455.4	3768185	5.28E-03	5.28E-03	5.95E-03	5.95E-03	9.98E-04	9.98E-04	4.36E-04	4.36E-04
3740	441464.3	3768188	5.24E-03	5.24E-03	5.90E-03	5.90E-03	9.90E-04	9.90E-04	4.33E-04	4.33E-04
3741	441708.2	3768297	3.85E-03	3.85E-03	4.33E-03	4.33E-03	7.27E-04	7.27E-04	3.18E-04	3.18E-04
3742	441711.8	3768306	3.89E-03	3.89E-03	4.38E-03	4.38E-03	7.35E-04	7.35E-04	3.21E-04	3.21E-04
3743	441715.4	3768315	3.93E-03	3.93E-03	4.43E-03	4.43E-03	7.44E-04	7.44E-04	3.25E-04	3.25E-04
3744	441719	3768324	3.98E-03	3.98E-03	4.48E-03	4.48E-03	7.52E-04	7.52E-04	3.29E-04	3.29E-04
3745	441722.6	3768333	4.03E-03	4.03E-03	4.54E-03	4.54E-03	7.61E-04	7.61E-04	3.33E-04	3.33E-04
3746	441726.2	3768342	4.08E-03	4.08E-03	4.60E-03	4.60E-03	7.71E-04	7.71E-04	3.37E-04	3.37E-04
3747	441729.7	3768351	4.13E-03	4.13E-03	4.66E-03	4.66E-03	7.81E-04	7.81E-04	3.42E-04	3.42E-04
3748	441733.3	3768360	4.19E-03	4.19E-03	4.72E-03	4.72E-03	7.92E-04	7.92E-04	3.47E-04	3.47E-04
3749	441736.9	3768368	4.28E-03	4.28E-03	4.83E-03	4.83E-03	8.09E-04	8.09E-04	3.54E-04	3.54E-04
3750	441740.5	3768377	4.38E-03	4.38E-03	4.93E-03	4.93E-03	8.28E-04	8.28E-04	3.62E-04	3.62E-04
3751	441744.1	3768386	4.48E-03	4.48E-03	5.05E-03	5.05E-03	8.47E-04	8.47E-04	3.71E-04	3.71E-04
3752	441776.4	3768467	6.03E-03	6.03E-03	6.80E-03	6.80E-03	1.14E-03	1.14E-03	4.99E-04	4.99E-04
3753	441780	3768476	6.27E-03	6.27E-03	7.07E-03	7.07E-03	1.19E-03	1.19E-03	5.19E-04	5.19E-04
3754	441783.6	3768485	6.53E-03	6.53E-03	7.36E-03	7.36E-03	1.23E-03	1.23E-03	5.40E-04	5.40E-04
3755	441787.1	3768494	6.80E-03	6.80E-03	7.66E-03	7.66E-03	1.29E-03	1.29E-03	5.62E-04	5.62E-04
3756	441790.7	3768503	7.10E-03	7.10E-03	8.00E-03	8.00E-03	1.34E-03	1.34E-03	5.87E-04	5.87E-04
3757	441794.3	3768512	7.42E-03	7.42E-03	8.36E-03	8.36E-03	1.40E-03	1.40E-03	6.13E-04	6.13E-04
3758	441797.9	3768521	7.77E-03	7.77E-03	8.75E-03	8.75E-03	1.47E-03	1.47E-03	6.42E-04	6.42E-04
3759	441801.5	3768529	8.13E-03	8.13E-03	9.17E-03	9.17E-03	1.54E-03	1.54E-03	6.72E-04	6.72E-04
3760	441805.1	3768538	8.52E-03	8.52E-03	9.60E-03	9.60E-03	1.61E-03	1.61E-03	7.04E-04	7.04E-04
3761	441808.7	3768547	8.92E-03	8.92E-03	1.01E-02	1.01E-02	1.69E-03	1.69E-03	7.37E-04	7.37E-04
3762	441419.9	3768130	4.61E-03	4.61E-03	5.19E-03	5.19E-03	8.71E-04	8.71E-04	3.81E-04	3.81E-04
3763	441428.8	3768134	4.61E-03	4.61E-03	5.19E-03	5.19E-03	8.71E-04	8.71E-04	3.81E-04	3.81E-04
3764	441437.8	3768137	4.60E-03	4.60E-03	5.18E-03	5.18E-03	8.69E-04	8.69E-04	3.80E-04	3.80E-04
3765	441446.7	3768141	4.58E-03	4.58E-03	5.16E-03	5.16E-03	8.66E-04	8.66E-04	3.79E-04	3.79E-04
3766	441455.7	3768145	4.56E-03	4.56E-03	5.14E-03	5.14E-03	8.61E-04	8.61E-04	3.77E-04	3.77E-04
3767	441464.6	3768148	4.53E-03	4.53E-03	5.11E-03	5.11E-03	8.57E-04	8.57E-04	3.75E-04	3.75E-04
3768	441736.7	3768269	3.36E-03	3.36E-03	3.79E-03	3.79E-03	6.35E-04	6.35E-04	2.78E-04	2.78E-04
3769	441740.3	3768278	3.40E-03	3.40E-03	3.83E-03	3.83E-03	6.43E-04	6.43E-04	2.81E-04	2.81E-04
3770	441743.9	3768287	3.44E-03	3.44E-03	3.88E-03	3.88E-03	6.50E-04	6.50E-04	2.84E-04	2.84E-04
3771	441747.5	3768296	3.48E-03	3.48E-03	3.92E-03	3.92E-03	6.58E-04	6.58E-04	2.88E-04	2.88E-04
3772	441751.1	3768305	3.53E-03	3.53E-03	3.97E-03	3.97E-03	6.66E-04	6.66E-04	2.91E-04	2.91E-04
3773	441754.7	3768314	3.57E-03	3.57E-03	4.02E-03	4.02E-03	6.75E-04	6.75E-04	2.95E-04	2.95E-04
3774	441758.3	3768323	3.62E-03	3.62E-03	4.08E-03	4.08E-03	6.84E-04	6.84E-04	2.99E-04	2.99E-04
3775	441761.9	3768332	3.66E-03	3.66E-03	4.13E-03	4.13E-03	6.92E-04	6.92E-04	3.03E-04	3.03E-04
3776	441765.5	3768341	3.71E-03	3.71E-03	4.18E-03	4.18E-03	7.01E-04	7.01E-04	3.07E-04	3.07E-04
3777	441769.2	3768350	3.76E-03	3.76E-03	4.24E-03	4.24E-03	7.10E-04	7.10E-04	3.11E-04	3.11E-04
3778	441772.8	3768359	3.81E-03	3.81E-03	4.30E-03	4.30E-03	7.21E-04	7.21E-04	3.15E-04	3.15E-04
3779	441776.4	3768368	3.89E-03	3.89E-03	4.38E-03	4.38E-03	7.35E-04	7.35E-04	3.22E-04	3.22E-04
3780	441780	3768377	3.97E-03	3.97E-03	4.48E-03	4.48E-03	7.51E-04	7.51E-04	3.29E-04	3.29E-04
3781	441783.6	3768386	4.07E-03	4.07E-03	4.58E-03	4.58E-03	7.69E-04	7.69E-04	3.36E-04	3.36E-04
3782	441808.8	3768449	5.06E-03	5.06E-03	5.70E-03	5.70E-03	9.56E-04	9.56E-04	4.18E-04	4.18E-04
3783	441812.4	3768458	5.24E-03	5.24E-03	5.90E-03	5.90E-03	9.90E-04	9.90E-04	4.33E-04	4.33E-04
3784	441816	3768467	5.44E-03	5.44E-03	6.13E-03	6.13E-03	1.03E-03	1.03E-03	4.49E-04	4.49E-04
3785	441819.6	3768476	5.65E-03	5.65E-03	6.37E-03	6.37E-03	1.07E-03	1.07E-03	4.67E-04	4.67E-04
3786	441823.3	3768485	5.88E-03	5.88E-03	6.62E-03	6.62E-03	1.11E-03	1.11E-03	4.86E-04	4.86E-04
3787	441826.9	3768494	6.12E-03	6.12E-03	6.90E-03	6.90E-03	1.16E-03	1.16E-03	5.06E-04	5.06E-04
3788	441830.5	3768503	6.38E-03	6.38E-03	7.20E-03	7.20E-03	1.21E-03	1.21E-03	5.28E-04	5.28E-04
3789	441834.1	3768512	6.66E-03	6.66E-03	7.51E-03	7.51E-03	1.26E-03	1.26E-03	5.51E-04	5.51E-04
3790	441418.9	3768090	4.12E-03	4.12E-03	4.64E-03	4.64E-03	7.78E-04	7.78E-04	3.40E-04	3.40E-04
3791	441427.6	3768093	4.10E-03	4.10E-03	4.62E-03	4.62E-03	7.75E-04	7.75E-04	3.39E-04	3.39E-04
3792	441436.4	3768097	4.09E-03	4.09E-03	4.61E-03	4.61E-03	7.73E-04	7.73E-04	3.38E-04	3.38E-04
3793	441445.2	3768100	4.08E-03	4.08E-03	4.60E-03	4.60E-03	7.72E-04	7.72E-04	3.38E-04	3.38E-04

3794	441454	3768104	4.07E-03	4.07E-03	4.59E-03	4.59E-03	7.69E-04	7.69E-04	3.36E-04	3.36E-04
3795	441462.8	3768108	4.04E-03	4.04E-03	4.56E-03	4.56E-03	7.64E-04	7.64E-04	3.34E-04	3.34E-04
3796	441765.1	3768241	2.95E-03	2.95E-03	3.33E-03	3.33E-03	5.58E-04	5.58E-04	2.44E-04	2.44E-04
3797	441768.6	3768249	2.99E-03	2.99E-03	3.37E-03	3.37E-03	5.64E-04	5.64E-04	2.47E-04	2.47E-04
3798	441772.2	3768258	3.02E-03	3.02E-03	3.41E-03	3.41E-03	5.71E-04	5.71E-04	2.50E-04	2.50E-04
3799	441775.7	3768267	3.06E-03	3.06E-03	3.45E-03	3.45E-03	5.78E-04	5.78E-04	2.53E-04	2.53E-04
3800	441779.2	3768276	3.10E-03	3.10E-03	3.49E-03	3.49E-03	5.85E-04	5.85E-04	2.56E-04	2.56E-04
3801	441782.8	3768285	3.13E-03	3.13E-03	3.53E-03	3.53E-03	5.92E-04	5.92E-04	2.59E-04	2.59E-04
3802	441786.3	3768294	3.17E-03	3.17E-03	3.57E-03	3.57E-03	5.99E-04	5.99E-04	2.62E-04	2.62E-04
3803	441789.9	3768302	3.21E-03	3.21E-03	3.62E-03	3.62E-03	6.07E-04	6.07E-04	2.65E-04	2.65E-04
3804	441793.4	3768311	3.24E-03	3.24E-03	3.65E-03	3.65E-03	6.13E-04	6.13E-04	2.68E-04	2.68E-04
3805	441797	3768320	3.27E-03	3.27E-03	3.69E-03	3.69E-03	6.19E-04	6.19E-04	2.71E-04	2.71E-04
3806	441800.5	3768329	3.31E-03	3.31E-03	3.73E-03	3.73E-03	6.26E-04	6.26E-04	2.74E-04	2.74E-04
3807	441804	3768338	3.36E-03	3.36E-03	3.78E-03	3.78E-03	6.34E-04	6.34E-04	2.77E-04	2.77E-04
3808	441807.6	3768347	3.41E-03	3.41E-03	3.84E-03	3.84E-03	6.44E-04	6.44E-04	2.82E-04	2.82E-04
3809	441811.1	3768355	3.46E-03	3.46E-03	3.90E-03	3.90E-03	6.55E-04	6.55E-04	2.86E-04	2.86E-04
3810	441814.7	3768364	3.54E-03	3.54E-03	3.98E-03	3.98E-03	6.68E-04	6.68E-04	2.92E-04	2.92E-04
3811	441818.2	3768373	3.62E-03	3.62E-03	4.07E-03	4.07E-03	6.83E-04	6.83E-04	2.99E-04	2.99E-04
3812	441821.7	3768382	3.70E-03	3.70E-03	4.17E-03	4.17E-03	7.00E-04	7.00E-04	3.06E-04	3.06E-04
3813	441825.3	3768391	3.80E-03	3.80E-03	4.28E-03	4.28E-03	7.18E-04	7.18E-04	3.14E-04	3.14E-04
3814	441850.1	3768452	4.69E-03	4.69E-03	5.29E-03	5.29E-03	8.87E-04	8.87E-04	3.88E-04	3.88E-04
3815	441853.6	3768461	4.86E-03	4.86E-03	5.48E-03	5.48E-03	9.18E-04	9.18E-04	4.02E-04	4.02E-04
3816	441857.2	3768470	5.04E-03	5.04E-03	5.68E-03	5.68E-03	9.52E-04	9.52E-04	4.16E-04	4.16E-04
3817	441860.7	3768479	5.23E-03	5.23E-03	5.89E-03	5.89E-03	9.88E-04	9.88E-04	4.32E-04	4.32E-04
3818	441864.2	3768488	5.43E-03	5.43E-03	6.12E-03	6.12E-03	1.03E-03	1.03E-03	4.49E-04	4.49E-04
3819	441867.8	3768497	5.64E-03	5.64E-03	6.36E-03	6.36E-03	1.07E-03	1.07E-03	4.66E-04	4.66E-04
3820	441885.5	3768541	6.89E-03	6.89E-03	7.77E-03	7.77E-03	1.30E-03	1.30E-03	5.70E-04	5.70E-04
3821	441889	3768550	7.16E-03	7.16E-03	8.07E-03	8.07E-03	1.35E-03	1.35E-03	5.92E-04	5.92E-04
3822	441892.6	3768558	7.44E-03	7.44E-03	8.38E-03	8.38E-03	1.41E-03	1.41E-03	6.15E-04	6.15E-04
3823	441896.1	3768567	7.72E-03	7.72E-03	8.70E-03	8.70E-03	1.46E-03	1.46E-03	6.38E-04	6.38E-04
3824	441899.6	3768576	7.99E-03	7.99E-03	9.01E-03	9.01E-03	1.51E-03	1.51E-03	6.61E-04	6.61E-04
3825	441445.4	3768061	3.69E-03	3.69E-03	4.15E-03	4.15E-03	6.97E-04	6.97E-04	3.05E-04	3.05E-04
3826	441454.3	3768064	3.66E-03	3.66E-03	4.13E-03	4.13E-03	6.92E-04	6.92E-04	3.03E-04	3.03E-04
3827	441463.1	3768068	3.63E-03	3.63E-03	4.09E-03	4.09E-03	6.87E-04	6.87E-04	3.00E-04	3.00E-04
3828	441793.6	3768213	2.64E-03	2.64E-03	2.97E-03	2.97E-03	4.98E-04	4.98E-04	2.18E-04	2.18E-04
3829	441797.1	3768221	2.66E-03	2.66E-03	2.99E-03	2.99E-03	5.02E-04	5.02E-04	2.20E-04	2.20E-04
3830	441800.7	3768230	2.68E-03	2.68E-03	3.02E-03	3.02E-03	5.06E-04	5.06E-04	2.21E-04	2.21E-04
3831	441804.2	3768239	2.70E-03	2.70E-03	3.04E-03	3.04E-03	5.10E-04	5.10E-04	2.23E-04	2.23E-04
3832	441807.8	3768248	2.72E-03	2.72E-03	3.07E-03	3.07E-03	5.15E-04	5.15E-04	2.25E-04	2.25E-04
3833	441811.4	3768257	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.20E-04	5.20E-04	2.27E-04	2.27E-04
3834	441814.9	3768266	2.78E-03	2.78E-03	3.13E-03	3.13E-03	5.25E-04	5.25E-04	2.30E-04	2.30E-04
3835	441818.5	3768275	2.81E-03	2.81E-03	3.17E-03	3.17E-03	5.31E-04	5.31E-04	2.32E-04	2.32E-04
3836	441822	3768284	2.85E-03	2.85E-03	3.21E-03	3.21E-03	5.38E-04	5.38E-04	2.35E-04	2.35E-04
3837	441825.6	3768292	2.89E-03	2.89E-03	3.25E-03	3.25E-03	5.46E-04	5.46E-04	2.39E-04	2.39E-04
3838	441829.2	3768301	2.93E-03	2.93E-03	3.30E-03	3.30E-03	5.53E-04	5.53E-04	2.42E-04	2.42E-04
3839	441832.7	3768310	2.96E-03	2.96E-03	3.34E-03	3.34E-03	5.60E-04	5.60E-04	2.45E-04	2.45E-04
3840	441836.3	3768319	3.01E-03	3.01E-03	3.39E-03	3.39E-03	5.68E-04	5.68E-04	2.49E-04	2.49E-04
3841	441839.8	3768328	3.05E-03	3.05E-03	3.44E-03	3.44E-03	5.77E-04	5.77E-04	2.52E-04	2.52E-04
3842	441843.4	3768337	3.10E-03	3.10E-03	3.50E-03	3.50E-03	5.87E-04	5.87E-04	2.57E-04	2.57E-04
3843	441847	3768346	3.16E-03	3.16E-03	3.56E-03	3.56E-03	5.97E-04	5.97E-04	2.61E-04	2.61E-04
3844	441850.5	3768355	3.22E-03	3.22E-03	3.63E-03	3.63E-03	6.09E-04	6.09E-04	2.66E-04	2.66E-04
3845	441854.1	3768363	3.29E-03	3.29E-03	3.70E-03	3.70E-03	6.21E-04	6.21E-04	2.72E-04	2.72E-04
3846	441857.6	3768372	3.36E-03	3.36E-03	3.79E-03	3.79E-03	6.36E-04	6.36E-04	2.78E-04	2.78E-04
3847	441861.2	3768381	3.45E-03	3.45E-03	3.88E-03	3.88E-03	6.51E-04	6.51E-04	2.85E-04	2.85E-04
3848	441864.8	3768390	3.53E-03	3.53E-03	3.98E-03	3.98E-03	6.68E-04	6.68E-04	2.92E-04	2.92E-04
3849	441868.3	3768399	3.62E-03	3.62E-03	4.08E-03	4.08E-03	6.85E-04	6.85E-04	3.00E-04	3.00E-04
3850	441889.7	3768452	4.27E-03	4.27E-03	4.82E-03	4.82E-03	8.08E-04	8.08E-04	3.53E-04	3.53E-04
3851	441893.3	3768461	4.42E-03	4.42E-03	4.99E-03	4.99E-03	8.36E-04	8.36E-04	3.66E-04	3.66E-04
3852	441896.8	3768470	4.59E-03	4.59E-03	5.17E-03	5.17E-03	8.67E-04	8.67E-04	3.79E-04	3.79E-04
3853	441900.4	3768479	4.77E-03	4.77E-03	5.37E-03	5.37E-03	9.01E-04	9.01E-04	3.94E-04	3.94E-04
3854	441925.3	3768541	6.18E-03	6.18E-03	6.96E-03	6.96E-03	1.17E-03	1.17E-03	5.11E-04	5.11E-04
3855	441928.9	3768550	6.39E-03	6.39E-03	7.21E-03	7.21E-03	1.21E-03	1.21E-03	5.29E-04	5.29E-04
3856	441932.4	3768559	6.61E-03	6.61E-03	7.45E-03	7.45E-03	1.25E-03	1.25E-03	5.47E-04	5.47E-04
3857	441383.4	3767995	3.42E-03	3.42E-03	3.86E-03	3.86E-03	6.47E-04	6.47E-04	2.83E-04	2.83E-04
3858	441418.9	3768010	3.41E-03	3.41E-03	3.84E-03	3.84E-03	6.44E-04	6.44E-04	2.82E-04	2.82E-04
3859	441427.8	3768013	3.39E-03	3.39E-03	3.82E-03	3.82E-03	6.40E-04	6.40E-04	2.80E-04	2.80E-04
3860	441436.7	3768017	3.36E-03	3.36E-03	3.79E-03	3.79E-03	6.36E-04	6.36E-04	2.78E-04	2.78E-04
3861	441445.6	3768021	3.34E-03	3.34E-03	3.76E-03	3.76E-03	6.31E-04	6.31E-04	2.76E-04	2.76E-04
3862	441454.5	3768024	3.31E-03	3.31E-03	3.73E-03	3.73E-03	6.25E-04	6.25E-04	2.73E-04	2.73E-04
3863	441463.3	3768028	3.27E-03	3.27E-03	3.69E-03	3.69E-03	6.18E-04	6.18E-04	2.70E-04	2.70E-04
3864	441822	3768184	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.48E-04	4.48E-04	1.96E-04	1.96E-04
3865	441825.6	3768193	2.39E-03	2.39E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
3866	441829.2	3768202	2.40E-03	2.40E-03	2.71E-03	2.71E-03	4.54E-04	4.54E-04	1.99E-04	1.99E-04

3867	441832.8	3768211	2.42E-03	2.42E-03	2.73E-03	2.73E-03	4.57E-04	4.57E-04	2.00E-04	2.00E-04
3868	441836.3	3768220	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.61E-04	4.61E-04	2.02E-04	2.02E-04
3869	441839.9	3768229	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.64E-04	4.64E-04	2.03E-04	2.03E-04
3870	441843.5	3768238	2.48E-03	2.48E-03	2.80E-03	2.80E-03	4.69E-04	4.69E-04	2.05E-04	2.05E-04
3871	441847.1	3768247	2.50E-03	2.50E-03	2.82E-03	2.82E-03	4.73E-04	4.73E-04	2.07E-04	2.07E-04
3872	441850.6	3768256	2.53E-03	2.53E-03	2.85E-03	2.85E-03	4.78E-04	4.78E-04	2.09E-04	2.09E-04
3873	441854.2	3768265	2.56E-03	2.56E-03	2.88E-03	2.88E-03	4.83E-04	4.83E-04	2.11E-04	2.11E-04
3874	441857.8	3768274	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.89E-04	4.89E-04	2.14E-04	2.14E-04
3875	441861.4	3768283	2.63E-03	2.63E-03	2.96E-03	2.96E-03	4.96E-04	4.96E-04	2.17E-04	2.17E-04
3876	441865	3768291	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.05E-04	5.05E-04	2.21E-04	2.21E-04
3877	441868.5	3768300	2.72E-03	2.72E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
3878	441872.1	3768309	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.21E-04	5.21E-04	2.28E-04	2.28E-04
3879	441875.7	3768318	2.80E-03	2.80E-03	3.15E-03	3.15E-03	5.29E-04	5.29E-04	2.31E-04	2.31E-04
3880	441879.3	3768327	2.84E-03	2.84E-03	3.21E-03	3.21E-03	5.38E-04	5.38E-04	2.35E-04	2.35E-04
3881	441882.8	3768336	2.90E-03	2.90E-03	3.26E-03	3.26E-03	5.47E-04	5.47E-04	2.39E-04	2.39E-04
3882	441886.4	3768345	2.95E-03	2.95E-03	3.32E-03	3.32E-03	5.57E-04	5.57E-04	2.44E-04	2.44E-04
3883	441890	3768354	3.01E-03	3.01E-03	3.39E-03	3.39E-03	5.68E-04	5.68E-04	2.49E-04	2.49E-04
3884	441893.6	3768363	3.07E-03	3.07E-03	3.46E-03	3.46E-03	5.80E-04	5.80E-04	2.54E-04	2.54E-04
3885	441897.2	3768372	3.13E-03	3.13E-03	3.53E-03	3.53E-03	5.92E-04	5.92E-04	2.59E-04	2.59E-04
3886	441900.7	3768381	3.20E-03	3.20E-03	3.60E-03	3.60E-03	6.04E-04	6.04E-04	2.64E-04	2.64E-04
3887	441904.3	3768390	3.26E-03	3.26E-03	3.68E-03	3.68E-03	6.17E-04	6.17E-04	2.70E-04	2.70E-04
3888	441907.9	3768399	3.34E-03	3.34E-03	3.77E-03	3.77E-03	6.32E-04	6.32E-04	2.77E-04	2.77E-04
3889	441929.4	3768452	3.96E-03	3.96E-03	4.47E-03	4.47E-03	7.49E-04	7.49E-04	3.28E-04	3.28E-04
3890	441932.9	3768461	4.10E-03	4.10E-03	4.62E-03	4.62E-03	7.75E-04	7.75E-04	3.39E-04	3.39E-04
3891	441374.6	3767991	3.42E-03	3.42E-03	3.86E-03	3.86E-03	6.47E-04	6.47E-04	2.83E-04	2.83E-04
3892	441364.8	3767991	3.46E-03	3.46E-03	3.90E-03	3.90E-03	6.54E-04	6.54E-04	2.86E-04	2.86E-04
3893	441355.1	3767991	3.50E-03	3.50E-03	3.95E-03	3.95E-03	6.62E-04	6.62E-04	2.89E-04	2.89E-04
3894	441296.7	3767992	3.79E-03	3.79E-03	4.27E-03	4.27E-03	7.17E-04	7.17E-04	3.14E-04	3.14E-04
3895	441287	3767992	3.85E-03	3.85E-03	4.34E-03	4.34E-03	7.28E-04	7.28E-04	3.19E-04	3.19E-04
3896	441277.2	3767992	3.91E-03	3.91E-03	4.41E-03	4.41E-03	7.39E-04	7.39E-04	3.23E-04	3.23E-04
3897	441267.5	3767992	3.97E-03	3.97E-03	4.47E-03	4.47E-03	7.50E-04	7.50E-04	3.28E-04	3.28E-04
3898	441257.8	3767992	4.02E-03	4.02E-03	4.53E-03	4.53E-03	7.60E-04	7.60E-04	3.32E-04	3.32E-04
3899	441383.3	3767955	3.10E-03	3.10E-03	3.49E-03	3.49E-03	5.85E-04	5.85E-04	2.56E-04	2.56E-04
3900	441419	3767970	3.08E-03	3.08E-03	3.47E-03	3.47E-03	5.83E-04	5.83E-04	2.55E-04	2.55E-04
3901	441427.9	3767973	3.07E-03	3.07E-03	3.46E-03	3.46E-03	5.80E-04	5.80E-04	2.54E-04	2.54E-04
3902	441436.8	3767977	3.05E-03	3.05E-03	3.44E-03	3.44E-03	5.77E-04	5.77E-04	2.52E-04	2.52E-04
3903	441445.7	3767981	3.03E-03	3.03E-03	3.42E-03	3.42E-03	5.74E-04	5.74E-04	2.51E-04	2.51E-04
3904	441454.6	3767985	3.01E-03	3.01E-03	3.40E-03	3.40E-03	5.69E-04	5.69E-04	2.49E-04	2.49E-04
3905	441463.5	3767988	2.98E-03	2.98E-03	3.36E-03	3.36E-03	5.64E-04	5.64E-04	2.47E-04	2.47E-04
3906	441850.5	3768156	2.13E-03	2.13E-03	2.40E-03	2.40E-03	4.02E-04	4.02E-04	1.76E-04	1.76E-04
3907	441854.1	3768165	2.14E-03	2.14E-03	2.42E-03	2.42E-03	4.05E-04	4.05E-04	1.77E-04	1.77E-04
3908	441857.7	3768174	2.16E-03	2.16E-03	2.43E-03	2.43E-03	4.08E-04	4.08E-04	1.78E-04	1.78E-04
3909	441861.3	3768183	2.17E-03	2.17E-03	2.45E-03	2.45E-03	4.11E-04	4.11E-04	1.80E-04	1.80E-04
3910	441864.9	3768192	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.14E-04	4.14E-04	1.81E-04	1.81E-04
3911	441868.5	3768201	2.21E-03	2.21E-03	2.49E-03	2.49E-03	4.18E-04	4.18E-04	1.83E-04	1.83E-04
3912	441872.1	3768210	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.22E-04	4.22E-04	1.84E-04	1.84E-04
3913	441875.6	3768219	2.25E-03	2.25E-03	2.54E-03	2.54E-03	4.25E-04	4.25E-04	1.86E-04	1.86E-04
3914	441879.2	3768228	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.29E-04	4.29E-04	1.88E-04	1.88E-04
3915	441882.8	3768237	2.29E-03	2.29E-03	2.58E-03	2.58E-03	4.33E-04	4.33E-04	1.90E-04	1.90E-04
3916	441886.4	3768246	2.32E-03	2.32E-03	2.61E-03	2.61E-03	4.38E-04	4.38E-04	1.91E-04	1.91E-04
3917	441890	3768255	2.34E-03	2.34E-03	2.64E-03	2.64E-03	4.43E-04	4.43E-04	1.94E-04	1.94E-04
3918	441893.6	3768264	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.47E-04	4.47E-04	1.96E-04	1.96E-04
3919	441897.2	3768273	2.40E-03	2.40E-03	2.70E-03	2.70E-03	4.53E-04	4.53E-04	1.98E-04	1.98E-04
3920	441900.8	3768282	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.61E-04	4.61E-04	2.02E-04	2.02E-04
3921	441904.4	3768291	2.48E-03	2.48E-03	2.79E-03	2.79E-03	4.68E-04	4.68E-04	2.05E-04	2.05E-04
3922	441908	3768300	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
3923	441911.6	3768309	2.56E-03	2.56E-03	2.89E-03	2.89E-03	4.85E-04	4.85E-04	2.12E-04	2.12E-04
3924	441915.2	3768318	2.61E-03	2.61E-03	2.94E-03	2.94E-03	4.94E-04	4.94E-04	2.16E-04	2.16E-04
3925	441918.8	3768327	2.66E-03	2.66E-03	3.00E-03	3.00E-03	5.03E-04	5.03E-04	2.20E-04	2.20E-04
3926	441922.4	3768336	2.71E-03	2.71E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
3927	441925.9	3768345	2.76E-03	2.76E-03	3.11E-03	3.11E-03	5.22E-04	5.22E-04	2.28E-04	2.28E-04
3928	441929.5	3768353	2.81E-03	2.81E-03	3.17E-03	3.17E-03	5.31E-04	5.31E-04	2.32E-04	2.32E-04
3929	441933.1	3768362	2.86E-03	2.86E-03	3.23E-03	3.23E-03	5.41E-04	5.41E-04	2.37E-04	2.37E-04
3930	441936.7	3768371	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.52E-04	5.52E-04	2.42E-04	2.42E-04
3931	441940.3	3768380	2.99E-03	2.99E-03	3.36E-03	3.36E-03	5.64E-04	5.64E-04	2.47E-04	2.47E-04
3932	441943.9	3768389	3.05E-03	3.05E-03	3.44E-03	3.44E-03	5.77E-04	5.77E-04	2.53E-04	2.53E-04
3933	441947.5	3768398	3.13E-03	3.13E-03	3.53E-03	3.53E-03	5.92E-04	5.92E-04	2.59E-04	2.59E-04
3934	442015.8	3768568	5.65E-03	5.65E-03	6.36E-03	6.36E-03	1.07E-03	1.07E-03	4.67E-04	4.67E-04
3935	442019.4	3768577	5.82E-03	5.82E-03	6.55E-03	6.55E-03	1.10E-03	1.10E-03	4.81E-04	4.81E-04
3936	442023	3768586	6.00E-03	6.00E-03	6.76E-03	6.76E-03	1.13E-03	1.13E-03	4.96E-04	4.96E-04
3937	441374.4	3767951	3.10E-03	3.10E-03	3.50E-03	3.50E-03	5.86E-04	5.86E-04	2.56E-04	2.56E-04
3938	441364.6	3767951	3.14E-03	3.14E-03	3.54E-03	3.54E-03	5.93E-04	5.93E-04	2.59E-04	2.59E-04
3939	441354.9	3767951	3.18E-03	3.18E-03	3.58E-03	3.58E-03	6.00E-04	6.00E-04	2.63E-04	2.63E-04

3940	441296.5	3767952	3.41E-03	3.41E-03	3.84E-03	3.84E-03	6.44E-04	6.44E-04	2.82E-04	2.82E-04
3941	441286.8	3767952	3.45E-03	3.45E-03	3.89E-03	3.89E-03	6.53E-04	6.53E-04	2.86E-04	2.86E-04
3942	441277.1	3767952	3.50E-03	3.50E-03	3.94E-03	3.94E-03	6.61E-04	6.61E-04	2.89E-04	2.89E-04
3943	441267.3	3767952	3.54E-03	3.54E-03	3.99E-03	3.99E-03	6.69E-04	6.69E-04	2.93E-04	2.93E-04
3944	441257.6	3767952	3.58E-03	3.58E-03	4.04E-03	4.04E-03	6.77E-04	6.77E-04	2.96E-04	2.96E-04
3945	441383.1	3767915	2.81E-03	2.81E-03	3.17E-03	3.17E-03	5.32E-04	5.32E-04	2.33E-04	2.33E-04
3946	441418.9	3767930	2.78E-03	2.78E-03	3.13E-03	3.13E-03	5.26E-04	5.26E-04	2.30E-04	2.30E-04
3947	441427.9	3767934	2.77E-03	2.77E-03	3.12E-03	3.12E-03	5.23E-04	5.23E-04	2.29E-04	2.29E-04
3948	441436.8	3767937	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.20E-04	5.20E-04	2.28E-04	2.28E-04
3949	441445.8	3767941	2.74E-03	2.74E-03	3.09E-03	3.09E-03	5.18E-04	5.18E-04	2.26E-04	2.26E-04
3950	441454.7	3767945	2.73E-03	2.73E-03	3.07E-03	3.07E-03	5.16E-04	5.16E-04	2.25E-04	2.25E-04
3951	441463.7	3767948	2.72E-03	2.72E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
3952	441879	3768128	1.93E-03	1.93E-03	2.18E-03	2.18E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
3953	441882.6	3768137	1.94E-03	1.94E-03	2.19E-03	2.19E-03	3.67E-04	3.67E-04	1.60E-04	1.60E-04
3954	441886.2	3768146	1.95E-03	1.95E-03	2.20E-03	2.20E-03	3.69E-04	3.69E-04	1.61E-04	1.61E-04
3955	441889.8	3768155	1.97E-03	1.97E-03	2.21E-03	2.21E-03	3.71E-04	3.71E-04	1.62E-04	1.62E-04
3956	441893.4	3768164	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.64E-04	1.64E-04
3957	441897	3768173	1.99E-03	1.99E-03	2.25E-03	2.25E-03	3.77E-04	3.77E-04	1.65E-04	1.65E-04
3958	441900.6	3768182	2.01E-03	2.01E-03	2.26E-03	2.26E-03	3.80E-04	3.80E-04	1.66E-04	1.66E-04
3959	441904.2	3768191	2.03E-03	2.03E-03	2.28E-03	2.28E-03	3.83E-04	3.83E-04	1.67E-04	1.67E-04
3960	441907.8	3768200	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.86E-04	3.86E-04	1.69E-04	1.69E-04
3961	441911.4	3768209	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.89E-04	3.89E-04	1.70E-04	1.70E-04
3962	441915	3768218	2.08E-03	2.08E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
3963	441918.6	3768227	2.11E-03	2.11E-03	2.37E-03	2.37E-03	3.98E-04	3.98E-04	1.74E-04	1.74E-04
3964	441922.2	3768236	2.13E-03	2.13E-03	2.40E-03	2.40E-03	4.03E-04	4.03E-04	1.76E-04	1.76E-04
3965	441925.8	3768245	2.16E-03	2.16E-03	2.43E-03	2.43E-03	4.08E-04	4.08E-04	1.78E-04	1.78E-04
3966	441929.5	3768254	2.19E-03	2.19E-03	2.46E-03	2.46E-03	4.13E-04	4.13E-04	1.81E-04	1.81E-04
3967	441933.1	3768263	2.21E-03	2.21E-03	2.50E-03	2.50E-03	4.19E-04	4.19E-04	1.83E-04	1.83E-04
3968	441936.7	3768272	2.24E-03	2.24E-03	2.53E-03	2.53E-03	4.24E-04	4.24E-04	1.86E-04	1.86E-04
3969	441940.3	3768281	2.28E-03	2.28E-03	2.57E-03	2.57E-03	4.30E-04	4.30E-04	1.88E-04	1.88E-04
3970	441943.9	3768290	2.31E-03	2.31E-03	2.61E-03	2.61E-03	4.37E-04	4.37E-04	1.91E-04	1.91E-04
3971	441947.5	3768299	2.35E-03	2.35E-03	2.65E-03	2.65E-03	4.45E-04	4.45E-04	1.95E-04	1.95E-04
3972	441951.1	3768308	2.39E-03	2.39E-03	2.70E-03	2.70E-03	4.53E-04	4.53E-04	1.98E-04	1.98E-04
3973	441954.7	3768317	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.61E-04	4.61E-04	2.02E-04	2.02E-04
3974	441958.3	3768326	2.48E-03	2.48E-03	2.80E-03	2.80E-03	4.69E-04	4.69E-04	2.05E-04	2.05E-04
3975	441961.9	3768335	2.53E-03	2.53E-03	2.85E-03	2.85E-03	4.78E-04	4.78E-04	2.09E-04	2.09E-04
3976	441965.5	3768344	2.57E-03	2.57E-03	2.90E-03	2.90E-03	4.87E-04	4.87E-04	2.13E-04	2.13E-04
3977	442052.1	3768560	5.05E-03	5.05E-03	5.69E-03	5.69E-03	9.54E-04	9.54E-04	4.17E-04	4.17E-04
3978	442055.7	3768569	5.20E-03	5.20E-03	5.86E-03	5.86E-03	9.83E-04	9.83E-04	4.30E-04	4.30E-04
3979	442059.3	3768578	5.37E-03	5.37E-03	6.05E-03	6.05E-03	1.01E-03	1.01E-03	4.44E-04	4.44E-04
3980	442062.9	3768587	5.55E-03	5.55E-03	6.25E-03	6.25E-03	1.05E-03	1.05E-03	4.58E-04	4.58E-04
3981	442066.5	3768596	5.72E-03	5.72E-03	6.45E-03	6.45E-03	1.08E-03	1.08E-03	4.73E-04	4.73E-04
3982	441374.2	3767911	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.33E-04	5.33E-04	2.33E-04	2.33E-04
3983	441364.5	3767911	2.85E-03	2.85E-03	3.21E-03	3.21E-03	5.38E-04	5.38E-04	2.35E-04	2.35E-04
3984	441354.7	3767911	2.88E-03	2.88E-03	3.25E-03	3.25E-03	5.45E-04	5.45E-04	2.38E-04	2.38E-04
3985	441296.3	3767912	3.10E-03	3.10E-03	3.49E-03	3.49E-03	5.85E-04	5.85E-04	2.56E-04	2.56E-04
3986	441286.6	3767912	3.13E-03	3.13E-03	3.53E-03	3.53E-03	5.91E-04	5.91E-04	2.59E-04	2.59E-04
3987	441276.9	3767912	3.16E-03	3.16E-03	3.56E-03	3.56E-03	5.97E-04	5.97E-04	2.61E-04	2.61E-04
3988	441267.1	3767912	3.19E-03	3.19E-03	3.59E-03	3.59E-03	6.03E-04	6.03E-04	2.64E-04	2.64E-04
3989	441257.4	3767912	3.22E-03	3.22E-03	3.63E-03	3.63E-03	6.09E-04	6.09E-04	2.67E-04	2.67E-04
3990	441383	3767875	2.55E-03	2.55E-03	2.88E-03	2.88E-03	4.83E-04	4.83E-04	2.11E-04	2.11E-04
3991	441418.9	3767890	2.54E-03	2.54E-03	2.87E-03	2.87E-03	4.81E-04	4.81E-04	2.10E-04	2.10E-04
3992	441427.9	3767894	2.53E-03	2.53E-03	2.85E-03	2.85E-03	4.79E-04	4.79E-04	2.09E-04	2.09E-04
3993	441436.9	3767897	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
3994	441445.8	3767901	2.51E-03	2.51E-03	2.82E-03	2.82E-03	4.74E-04	4.74E-04	2.07E-04	2.07E-04
3995	441454.8	3767905	2.49E-03	2.49E-03	2.81E-03	2.81E-03	4.71E-04	4.71E-04	2.06E-04	2.06E-04
3996	441463.8	3767909	2.48E-03	2.48E-03	2.80E-03	2.80E-03	4.70E-04	4.70E-04	2.05E-04	2.05E-04
3997	441907.4	3768100	1.77E-03	1.77E-03	1.99E-03	1.99E-03	3.34E-04	3.34E-04	1.46E-04	1.46E-04
3998	441911	3768109	1.77E-03	1.77E-03	2.00E-03	2.00E-03	3.35E-04	3.35E-04	1.47E-04	1.47E-04
3999	441914.7	3768118	1.78E-03	1.78E-03	2.01E-03	2.01E-03	3.37E-04	3.37E-04	1.47E-04	1.47E-04
4000	441918.3	3768127	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.39E-04	3.39E-04	1.48E-04	1.48E-04
4001	441921.9	3768136	1.81E-03	1.81E-03	2.03E-03	2.03E-03	3.41E-04	3.41E-04	1.49E-04	1.49E-04
4002	441925.5	3768145	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.50E-04	1.50E-04
4003	441929.1	3768154	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
4004	441932.8	3768163	1.84E-03	1.84E-03	2.08E-03	2.08E-03	3.49E-04	3.49E-04	1.52E-04	1.52E-04
4005	441936.4	3768172	1.86E-03	1.86E-03	2.09E-03	2.09E-03	3.51E-04	3.51E-04	1.54E-04	1.54E-04
4006	441940	3768181	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
4007	441943.6	3768190	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
4008	441947.2	3768199	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.60E-04	3.60E-04	1.58E-04	1.58E-04
4009	441950.9	3768208	1.92E-03	1.92E-03	2.17E-03	2.17E-03	3.64E-04	3.64E-04	1.59E-04	1.59E-04
4010	441954.5	3768218	1.94E-03	1.94E-03	2.19E-03	2.19E-03	3.67E-04	3.67E-04	1.61E-04	1.61E-04
4011	441958.1	3768227	1.96E-03	1.96E-03	2.21E-03	2.21E-03	3.71E-04	3.71E-04	1.62E-04	1.62E-04
4012	441961.7	3768236	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04

4013	441997.9	3768326	2.32E-03	2.32E-03	2.62E-03	2.62E-03	4.39E-04	4.39E-04	1.92E-04	1.92E-04
4014	442001.5	3768335	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.47E-04	4.47E-04	1.96E-04	1.96E-04
4015	442005.1	3768344	2.41E-03	2.41E-03	2.72E-03	2.72E-03	4.56E-04	4.56E-04	1.99E-04	1.99E-04
4016	442008.8	3768353	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.65E-04	4.65E-04	2.03E-04	2.03E-04
4017	442012.4	3768362	2.51E-03	2.51E-03	2.83E-03	2.83E-03	4.75E-04	4.75E-04	2.08E-04	2.08E-04
4018	442016	3768371	2.57E-03	2.57E-03	2.90E-03	2.90E-03	4.86E-04	4.86E-04	2.13E-04	2.13E-04
4019	442019.6	3768380	2.63E-03	2.63E-03	2.97E-03	2.97E-03	4.98E-04	4.98E-04	2.18E-04	2.18E-04
4020	442023.2	3768389	2.70E-03	2.70E-03	3.04E-03	3.04E-03	5.10E-04	5.10E-04	2.23E-04	2.23E-04
4021	442026.9	3768398	2.76E-03	2.76E-03	3.11E-03	3.11E-03	5.22E-04	5.22E-04	2.28E-04	2.28E-04
4022	442084.8	3768542	4.39E-03	4.39E-03	4.95E-03	4.95E-03	8.30E-04	8.30E-04	3.63E-04	3.63E-04
4023	442088.4	3768551	4.53E-03	4.53E-03	5.10E-03	5.10E-03	8.55E-04	8.55E-04	3.74E-04	3.74E-04
4024	442092	3768560	4.67E-03	4.67E-03	5.26E-03	5.26E-03	8.82E-04	8.82E-04	3.86E-04	3.86E-04
4025	442095.6	3768569	4.81E-03	4.81E-03	5.42E-03	5.42E-03	9.09E-04	9.09E-04	3.98E-04	3.98E-04
4026	442099.2	3768578	4.96E-03	4.96E-03	5.60E-03	5.60E-03	9.38E-04	9.38E-04	4.10E-04	4.10E-04
4027	442102.8	3768587	5.12E-03	5.12E-03	5.77E-03	5.77E-03	9.68E-04	9.68E-04	4.24E-04	4.24E-04
4028	442106.5	3768596	5.28E-03	5.28E-03	5.95E-03	5.95E-03	9.99E-04	9.99E-04	4.37E-04	4.37E-04
4029	441374	3767871	2.56E-03	2.56E-03	2.89E-03	2.89E-03	4.84E-04	4.84E-04	2.12E-04	2.12E-04
4030	441364.3	3767871	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.90E-04	4.90E-04	2.14E-04	2.14E-04
4031	441354.5	3767871	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.17E-04	2.17E-04
4032	441305.9	3767872	2.78E-03	2.78E-03	3.14E-03	3.14E-03	5.26E-04	5.26E-04	2.30E-04	2.30E-04
4033	441296.2	3767872	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.33E-04	5.33E-04	2.33E-04	2.33E-04
4034	441286.4	3767872	2.85E-03	2.85E-03	3.21E-03	3.21E-03	5.39E-04	5.39E-04	2.36E-04	2.36E-04
4035	441276.7	3767872	2.88E-03	2.88E-03	3.25E-03	3.25E-03	5.45E-04	5.45E-04	2.38E-04	2.38E-04
4036	441267	3767872	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.51E-04	5.51E-04	2.41E-04	2.41E-04
4037	441257.2	3767872	2.95E-03	2.95E-03	3.32E-03	3.32E-03	5.57E-04	5.57E-04	2.44E-04	2.44E-04
4038	441382.7	3767835	2.35E-03	2.35E-03	2.65E-03	2.65E-03	4.44E-04	4.44E-04	1.94E-04	1.94E-04
4039	441418.1	3767850	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.41E-04	4.41E-04	1.93E-04	1.93E-04
4040	441427	3767853	2.33E-03	2.33E-03	2.62E-03	2.62E-03	4.40E-04	4.40E-04	1.92E-04	1.92E-04
4041	441435.9	3767857	2.32E-03	2.32E-03	2.62E-03	2.62E-03	4.39E-04	4.39E-04	1.92E-04	1.92E-04
4042	441444.7	3767861	2.31E-03	2.31E-03	2.61E-03	2.61E-03	4.37E-04	4.37E-04	1.91E-04	1.91E-04
4043	441453.6	3767864	2.30E-03	2.30E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
4044	441462.5	3767868	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.34E-04	4.34E-04	1.90E-04	1.90E-04
4045	441946.6	3768099	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.12E-04	3.12E-04	1.36E-04	1.36E-04
4046	441950.1	3768108	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
4047	441953.7	3768117	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
4048	441957.3	3768125	1.68E-03	1.68E-03	1.89E-03	1.89E-03	3.17E-04	3.17E-04	1.38E-04	1.38E-04
4049	441960.8	3768134	1.69E-03	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.39E-04	1.39E-04
4050	441996.6	3768223	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.50E-04	1.50E-04
4051	442000.1	3768232	1.84E-03	1.84E-03	2.08E-03	2.08E-03	3.48E-04	3.48E-04	1.52E-04	1.52E-04
4052	442003.7	3768241	1.86E-03	1.86E-03	2.10E-03	2.10E-03	3.52E-04	3.52E-04	1.54E-04	1.54E-04
4053	442007.3	3768250	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
4054	442010.9	3768259	1.91E-03	1.91E-03	2.16E-03	2.16E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
4055	442014.4	3768268	1.94E-03	1.94E-03	2.19E-03	2.19E-03	3.67E-04	3.67E-04	1.60E-04	1.60E-04
4056	442018	3768277	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
4057	442021.6	3768286	2.01E-03	2.01E-03	2.26E-03	2.26E-03	3.80E-04	3.80E-04	1.66E-04	1.66E-04
4058	442025.1	3768295	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
4059	442028.7	3768304	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.95E-04	3.95E-04	1.73E-04	1.73E-04
4060	442032.3	3768312	2.13E-03	2.13E-03	2.40E-03	2.40E-03	4.03E-04	4.03E-04	1.76E-04	1.76E-04
4061	442035.9	3768321	2.17E-03	2.17E-03	2.45E-03	2.45E-03	4.11E-04	4.11E-04	1.80E-04	1.80E-04
4062	442039.4	3768330	2.22E-03	2.22E-03	2.50E-03	2.50E-03	4.19E-04	4.19E-04	1.83E-04	1.83E-04
4063	442043	3768339	2.26E-03	2.26E-03	2.54E-03	2.54E-03	4.27E-04	4.27E-04	1.87E-04	1.87E-04
4064	442046.6	3768348	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.34E-04	4.34E-04	1.90E-04	1.90E-04
4065	442050.1	3768357	2.34E-03	2.34E-03	2.63E-03	2.63E-03	4.42E-04	4.42E-04	1.93E-04	1.93E-04
4066	442053.7	3768366	2.39E-03	2.39E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
4067	442057.3	3768375	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.62E-04	4.62E-04	2.02E-04	2.02E-04
4068	442125.2	3768544	4.09E-03	4.09E-03	4.61E-03	4.61E-03	7.73E-04	7.73E-04	3.38E-04	3.38E-04
4069	442128.7	3768553	4.21E-03	4.21E-03	4.74E-03	4.74E-03	7.96E-04	7.96E-04	3.48E-04	3.48E-04
4070	442132.3	3768562	4.33E-03	4.33E-03	4.88E-03	4.88E-03	8.19E-04	8.19E-04	3.58E-04	3.58E-04
4071	442135.9	3768571	4.46E-03	4.46E-03	5.03E-03	5.03E-03	8.43E-04	8.43E-04	3.69E-04	3.69E-04
4072	442139.5	3768580	4.60E-03	4.60E-03	5.18E-03	5.18E-03	8.69E-04	8.69E-04	3.80E-04	3.80E-04
4073	442143	3768589	4.73E-03	4.73E-03	5.33E-03	5.33E-03	8.94E-04	8.94E-04	3.91E-04	3.91E-04
4074	441373.8	3767831	2.35E-03	2.35E-03	2.65E-03	2.65E-03	4.45E-04	4.45E-04	1.95E-04	1.95E-04
4075	441364.1	3767831	2.38E-03	2.38E-03	2.68E-03	2.68E-03	4.50E-04	4.50E-04	1.97E-04	1.97E-04
4076	441354.4	3767831	2.41E-03	2.41E-03	2.71E-03	2.71E-03	4.55E-04	4.55E-04	1.99E-04	1.99E-04
4077	441305.7	3767832	2.56E-03	2.56E-03	2.88E-03	2.88E-03	4.83E-04	4.83E-04	2.11E-04	2.11E-04
4078	441296	3767832	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.89E-04	4.89E-04	2.14E-04	2.14E-04
4079	441286.2	3767832	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.17E-04	2.17E-04
4080	441276.5	3767832	2.65E-03	2.65E-03	2.99E-03	2.99E-03	5.02E-04	5.02E-04	2.19E-04	2.19E-04
4081	441266.8	3767832	2.68E-03	2.68E-03	3.02E-03	3.02E-03	5.07E-04	5.07E-04	2.22E-04	2.22E-04
4082	441257	3767832	2.71E-03	2.71E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
4083	441382.5	3767795	2.17E-03	2.17E-03	2.45E-03	2.45E-03	4.10E-04	4.10E-04	1.79E-04	1.79E-04
4084	441418.1	3767810	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04
4085	441427	3767813	2.14E-03	2.14E-03	2.41E-03	2.41E-03	4.05E-04	4.05E-04	1.77E-04	1.77E-04

4086	441435.9	3767817	2.14E-03	2.14E-03	2.41E-03	2.41E-03	4.04E-04	4.04E-04	1.77E-04	1.77E-04
4087	441444.8	3767821	2.13E-03	2.13E-03	2.40E-03	2.40E-03	4.02E-04	4.02E-04	1.76E-04	1.76E-04
4088	441453.7	3767825	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
4089	441462.6	3767828	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.00E-04	4.00E-04	1.75E-04	1.75E-04
4090	441996.6	3768124	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
4091	442000.1	3768133	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
4092	442003.7	3768142	1.59E-03	1.59E-03	1.80E-03	1.80E-03	3.01E-04	3.01E-04	1.32E-04	1.32E-04
4093	442007.3	3768151	1.61E-03	1.61E-03	1.81E-03	1.81E-03	3.04E-04	3.04E-04	1.33E-04	1.33E-04
4094	442010.9	3768160	1.62E-03	1.62E-03	1.82E-03	1.82E-03	3.06E-04	3.06E-04	1.34E-04	1.34E-04
4095	442014.5	3768169	1.63E-03	1.63E-03	1.84E-03	1.84E-03	3.08E-04	3.08E-04	1.35E-04	1.35E-04
4096	442018.1	3768178	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.10E-04	3.10E-04	1.36E-04	1.36E-04
4097	442021.7	3768187	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.12E-04	3.12E-04	1.37E-04	1.37E-04
4098	442025.2	3768196	1.66E-03	1.66E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
4099	442028.8	3768205	1.68E-03	1.68E-03	1.89E-03	1.89E-03	3.17E-04	3.17E-04	1.39E-04	1.39E-04
4100	442032.4	3768214	1.70E-03	1.70E-03	1.91E-03	1.91E-03	3.20E-04	3.20E-04	1.40E-04	1.40E-04
4101	442036	3768223	1.72E-03	1.72E-03	1.93E-03	1.93E-03	3.24E-04	3.24E-04	1.42E-04	1.42E-04
4102	442039.6	3768232	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.28E-04	3.28E-04	1.44E-04	1.44E-04
4103	442043.2	3768241	1.76E-03	1.76E-03	1.99E-03	1.99E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
4104	442046.8	3768249	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.38E-04	3.38E-04	1.48E-04	1.48E-04
4105	442050.3	3768258	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.51E-04	1.51E-04
4106	442053.9	3768267	1.85E-03	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
4107	442057.5	3768276	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
4108	442061.1	3768285	1.92E-03	1.92E-03	2.17E-03	2.17E-03	3.63E-04	3.63E-04	1.59E-04	1.59E-04
4109	442064.7	3768294	1.96E-03	1.96E-03	2.21E-03	2.21E-03	3.70E-04	3.70E-04	1.62E-04	1.62E-04
4110	442068.3	3768303	1.99E-03	1.99E-03	2.25E-03	2.25E-03	3.77E-04	3.77E-04	1.65E-04	1.65E-04
4111	442071.8	3768312	2.03E-03	2.03E-03	2.29E-03	2.29E-03	3.84E-04	3.84E-04	1.68E-04	1.68E-04
4112	442075.4	3768321	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
4113	442079	3768330	2.11E-03	2.11E-03	2.38E-03	2.38E-03	3.99E-04	3.99E-04	1.74E-04	1.74E-04
4114	442082.6	3768339	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04
4115	442086.2	3768348	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.14E-04	4.14E-04	1.81E-04	1.81E-04
4116	442089.8	3768357	2.23E-03	2.23E-03	2.52E-03	2.52E-03	4.22E-04	4.22E-04	1.85E-04	1.85E-04
4117	442165	3768544	3.79E-03	3.79E-03	4.27E-03	4.27E-03	7.16E-04	7.16E-04	3.13E-04	3.13E-04
4118	442168.6	3768553	3.90E-03	3.90E-03	4.39E-03	4.39E-03	7.37E-04	7.37E-04	3.22E-04	3.22E-04
4119	441373.6	3767791	2.18E-03	2.18E-03	2.45E-03	2.45E-03	4.12E-04	4.12E-04	1.80E-04	1.80E-04
4120	441363.9	3767791	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.16E-04	4.16E-04	1.82E-04	1.82E-04
4121	441354.2	3767791	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.21E-04	4.21E-04	1.84E-04	1.84E-04
4122	441305.5	3767792	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.48E-04	4.48E-04	1.96E-04	1.96E-04
4123	441295.8	3767792	2.40E-03	2.40E-03	2.70E-03	2.70E-03	4.53E-04	4.53E-04	1.98E-04	1.98E-04
4124	441286.1	3767792	2.42E-03	2.42E-03	2.72E-03	2.72E-03	4.57E-04	4.57E-04	2.00E-04	2.00E-04
4125	441276.3	3767792	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.61E-04	4.61E-04	2.02E-04	2.02E-04
4126	441266.6	3767792	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.65E-04	4.65E-04	2.03E-04	2.03E-04
4127	441256.9	3767792	2.49E-03	2.49E-03	2.81E-03	2.81E-03	4.71E-04	4.71E-04	2.06E-04	2.06E-04
4128	441382.4	3767755	2.02E-03	2.02E-03	2.27E-03	2.27E-03	3.81E-04	3.81E-04	1.67E-04	1.67E-04
4129	441418.1	3767770	1.99E-03	1.99E-03	2.24E-03	2.24E-03	3.76E-04	3.76E-04	1.64E-04	1.64E-04
4130	441427	3767774	1.99E-03	1.99E-03	2.24E-03	2.24E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04
4131	441435.9	3767777	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.64E-04	1.64E-04
4132	441444.8	3767781	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.63E-04	1.63E-04
4133	441453.8	3767785	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
4134	441462.7	3767788	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.72E-04	3.72E-04	1.63E-04	1.63E-04
4135	442000	3768034	1.36E-03	1.36E-03	1.54E-03	1.54E-03	2.58E-04	2.58E-04	1.13E-04	1.13E-04
4136	442003.6	3768043	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.60E-04	2.60E-04	1.14E-04	1.14E-04
4137	442007.1	3768052	1.39E-03	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
4138	442010.7	3768061	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04
4139	442014.3	3768070	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
4140	442017.9	3768079	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
4141	442028.7	3768105	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
4142	442032.3	3768114	1.46E-03	1.46E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
4143	442035.9	3768123	1.47E-03	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.22E-04	1.22E-04
4144	442039.5	3768132	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.22E-04	1.22E-04
4145	442043.1	3768141	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
4146	442046.7	3768150	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
4147	442050.3	3768159	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
4148	442053.9	3768168	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
4149	442057.5	3768177	1.54E-03	1.54E-03	1.73E-03	1.73E-03	2.91E-04	2.91E-04	1.27E-04	1.27E-04
4150	442061.1	3768186	1.56E-03	1.56E-03	1.75E-03	1.75E-03	2.94E-04	2.94E-04	1.29E-04	1.29E-04
4151	442064.7	3768195	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
4152	442068.3	3768204	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.01E-04	3.01E-04	1.31E-04	1.31E-04
4153	442071.9	3768213	1.61E-03	1.61E-03	1.81E-03	1.81E-03	3.04E-04	3.04E-04	1.33E-04	1.33E-04
4154	442075.5	3768222	1.63E-03	1.63E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
4155	442079.1	3768231	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
4156	442082.7	3768240	1.68E-03	1.68E-03	1.89E-03	1.89E-03	3.18E-04	3.18E-04	1.39E-04	1.39E-04
4157	442086.3	3768249	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
4158	442089.9	3768258	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.29E-04	3.29E-04	1.44E-04	1.44E-04

4159	442093.5	3768267	1.77E-03	1.77E-03	2.00E-03	2.00E-03	3.35E-04	3.35E-04	1.46E-04	1.46E-04
4160	442097.1	3768276	1.80E-03	1.80E-03	2.03E-03	2.03E-03	3.40E-04	3.40E-04	1.49E-04	1.49E-04
4161	442100.7	3768285	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.45E-04	3.45E-04	1.51E-04	1.51E-04
4162	442104.2	3768294	1.86E-03	1.86E-03	2.09E-03	2.09E-03	3.51E-04	3.51E-04	1.53E-04	1.53E-04
4163	442107.8	3768303	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
4164	442111.4	3768312	1.92E-03	1.92E-03	2.17E-03	2.17E-03	3.64E-04	3.64E-04	1.59E-04	1.59E-04
4165	442115	3768321	1.96E-03	1.96E-03	2.21E-03	2.21E-03	3.71E-04	3.71E-04	1.62E-04	1.62E-04
4166	442118.6	3768330	2.00E-03	2.00E-03	2.25E-03	2.25E-03	3.78E-04	3.78E-04	1.65E-04	1.65E-04
4167	441373.4	3767751	2.02E-03	2.02E-03	2.28E-03	2.28E-03	3.83E-04	3.83E-04	1.67E-04	1.67E-04
4168	441363.7	3767751	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
4169	441354	3767751	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
4170	441305.3	3767752	2.18E-03	2.18E-03	2.46E-03	2.46E-03	4.12E-04	4.12E-04	1.80E-04	1.80E-04
4171	441295.6	3767752	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.16E-04	4.16E-04	1.82E-04	1.82E-04
4172	441285.9	3767752	2.22E-03	2.22E-03	2.50E-03	2.50E-03	4.19E-04	4.19E-04	1.83E-04	1.83E-04
4173	441276.1	3767752	2.24E-03	2.24E-03	2.52E-03	2.52E-03	4.23E-04	4.23E-04	1.85E-04	1.85E-04
4174	441266.4	3767752	2.26E-03	2.26E-03	2.55E-03	2.55E-03	4.27E-04	4.27E-04	1.87E-04	1.87E-04
4175	441256.7	3767752	2.28E-03	2.28E-03	2.57E-03	2.57E-03	4.31E-04	4.31E-04	1.89E-04	1.89E-04
4176	441382.2	3767715	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
4177	441418	3767730	1.85E-03	1.85E-03	2.08E-03	2.08E-03	3.49E-04	3.49E-04	1.53E-04	1.53E-04
4178	441427	3767734	1.84E-03	1.84E-03	2.08E-03	2.08E-03	3.48E-04	3.48E-04	1.52E-04	1.52E-04
4179	441435.9	3767737	1.84E-03	1.84E-03	2.07E-03	2.07E-03	3.48E-04	3.48E-04	1.52E-04	1.52E-04
4180	441444.9	3767741	1.84E-03	1.84E-03	2.07E-03	2.07E-03	3.47E-04	3.47E-04	1.52E-04	1.52E-04
4181	441453.8	3767745	1.83E-03	1.83E-03	2.07E-03	2.07E-03	3.47E-04	3.47E-04	1.52E-04	1.52E-04
4182	441462.8	3767748	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
4183	442021.2	3767988	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.36E-04	2.36E-04	1.03E-04	1.03E-04
4184	442024.8	3767997	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.38E-04	2.38E-04	1.04E-04	1.04E-04
4185	442028.4	3768006	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.39E-04	2.39E-04	1.05E-04	1.05E-04
4186	442032	3768015	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.41E-04	2.41E-04	1.05E-04	1.05E-04
4187	442035.7	3768024	1.28E-03	1.28E-03	1.45E-03	1.45E-03	2.43E-04	2.43E-04	1.06E-04	1.06E-04
4188	442039.3	3768033	1.29E-03	1.29E-03	1.46E-03	1.46E-03	2.44E-04	2.44E-04	1.07E-04	1.07E-04
4189	442042.9	3768042	1.30E-03	1.30E-03	1.47E-03	1.47E-03	2.46E-04	2.46E-04	1.08E-04	1.08E-04
4190	442046.5	3768051	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.47E-04	2.47E-04	1.08E-04	1.08E-04
4191	442050.1	3768060	1.32E-03	1.32E-03	1.48E-03	1.48E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
4192	442053.7	3768069	1.33E-03	1.33E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.10E-04	1.10E-04
4193	442057.3	3768078	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.52E-04	2.52E-04	1.10E-04	1.10E-04
4194	442068.1	3768105	1.36E-03	1.36E-03	1.54E-03	1.54E-03	2.58E-04	2.58E-04	1.13E-04	1.13E-04
4195	442071.7	3768114	1.37E-03	1.37E-03	1.55E-03	1.55E-03	2.60E-04	2.60E-04	1.14E-04	1.14E-04
4196	442075.3	3768123	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
4197	442078.9	3768132	1.40E-03	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.15E-04	1.15E-04
4198	442082.5	3768141	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.66E-04	2.66E-04	1.16E-04	1.16E-04
4199	442086.1	3768150	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.69E-04	2.69E-04	1.17E-04	1.17E-04
4200	442089.8	3768159	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.71E-04	2.71E-04	1.19E-04	1.19E-04
4201	442093.4	3768168	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
4202	442097	3768177	1.47E-03	1.47E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
4203	442100.6	3768186	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
4204	442104.2	3768195	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
4205	442107.8	3768204	1.52E-03	1.52E-03	1.71E-03	1.71E-03	2.87E-04	2.87E-04	1.26E-04	1.26E-04
4206	442111.4	3768213	1.54E-03	1.54E-03	1.73E-03	1.73E-03	2.91E-04	2.91E-04	1.27E-04	1.27E-04
4207	442115	3768222	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
4208	442118.6	3768231	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
4209	442122.2	3768240	1.60E-03	1.60E-03	1.81E-03	1.81E-03	3.03E-04	3.03E-04	1.32E-04	1.32E-04
4210	442125.8	3768249	1.63E-03	1.63E-03	1.84E-03	1.84E-03	3.08E-04	3.08E-04	1.35E-04	1.35E-04
4211	442129.4	3768258	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
4212	442133	3768266	1.68E-03	1.68E-03	1.90E-03	1.90E-03	3.18E-04	3.18E-04	1.39E-04	1.39E-04
4213	442136.6	3768275	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
4214	442140.2	3768284	1.73E-03	1.73E-03	1.95E-03	1.95E-03	3.28E-04	3.28E-04	1.43E-04	1.43E-04
4215	442143.9	3768293	1.76E-03	1.76E-03	1.98E-03	1.98E-03	3.32E-04	3.32E-04	1.45E-04	1.45E-04
4216	442147.5	3768302	1.79E-03	1.79E-03	2.01E-03	2.01E-03	3.37E-04	3.37E-04	1.48E-04	1.48E-04
4217	442151.1	3768311	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
4218	441373.3	3767711	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
4219	441363.5	3767711	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
4220	441353.8	3767711	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
4221	441305.1	3767712	2.00E-03	2.00E-03	2.26E-03	2.26E-03	3.78E-04	3.78E-04	1.65E-04	1.65E-04
4222	441295.4	3767712	2.02E-03	2.02E-03	2.28E-03	2.28E-03	3.82E-04	3.82E-04	1.67E-04	1.67E-04
4223	441285.7	3767712	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.86E-04	3.86E-04	1.69E-04	1.69E-04
4224	441276	3767712	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.89E-04	3.89E-04	1.70E-04	1.70E-04
4225	441266.2	3767712	2.08E-03	2.08E-03	2.34E-03	2.34E-03	3.93E-04	3.93E-04	1.72E-04	1.72E-04
4226	441256.5	3767712	2.10E-03	2.10E-03	2.37E-03	2.37E-03	3.97E-04	3.97E-04	1.74E-04	1.74E-04
4227	441232.4	3768642	9.44E-02	9.44E-02	1.06E-01	1.06E-01	1.78E-02	1.78E-02	7.81E-03	7.81E-03
4228	441232.4	3768652	9.47E-02	9.47E-02	1.07E-01	1.07E-01	1.79E-02	1.79E-02	7.83E-03	7.83E-03
4229	441232.4	3768662	9.41E-02	9.41E-02	1.06E-01	1.06E-01	1.78E-02	1.78E-02	7.78E-03	7.78E-03
4230	441232.4	3768672	9.32E-02	9.32E-02	1.05E-01	1.05E-01	1.76E-02	1.76E-02	7.71E-03	7.71E-03
4231	441232.5	3768682	9.17E-02	9.17E-02	1.03E-01	1.03E-01	1.73E-02	1.73E-02	7.58E-03	7.58E-03

4232	441232.5	3768692	8.95E-02	8.95E-02	1.01E-01	1.01E-01	1.69E-02	1.69E-02	7.40E-03	7.40E-03
4233	441232.5	3768702	8.63E-02	8.63E-02	9.72E-02	9.72E-02	1.63E-02	1.63E-02	7.13E-03	7.13E-03
4234	441232.6	3768712	8.25E-02	8.25E-02	9.30E-02	9.30E-02	1.56E-02	1.56E-02	6.82E-03	6.82E-03
4235	441232.8	3768782	4.57E-02	4.57E-02	5.15E-02	5.15E-02	8.65E-03	8.65E-03	3.78E-03	3.78E-03
4236	441232.8	3768792	3.88E-02	3.88E-02	4.38E-02	4.38E-02	7.34E-03	7.34E-03	3.21E-03	3.21E-03
4237	441218.1	3768598	6.48E-02	6.48E-02	7.31E-02	7.31E-02	1.23E-02	1.23E-02	5.36E-03	5.36E-03
4238	441212.4	3768642	6.79E-02	6.79E-02	7.65E-02	7.65E-02	1.28E-02	1.28E-02	5.61E-03	5.61E-03
4239	441212.4	3768652	6.80E-02	6.80E-02	7.67E-02	7.67E-02	1.29E-02	1.29E-02	5.62E-03	5.62E-03
4240	441212.4	3768662	6.76E-02	6.76E-02	7.61E-02	7.61E-02	1.28E-02	1.28E-02	5.59E-03	5.59E-03
4241	441212.4	3768672	6.63E-02	6.63E-02	7.47E-02	7.47E-02	1.25E-02	1.25E-02	5.48E-03	5.48E-03
4242	441212.5	3768682	6.46E-02	6.46E-02	7.28E-02	7.28E-02	1.22E-02	1.22E-02	5.34E-03	5.34E-03
4243	441212.5	3768692	6.25E-02	6.25E-02	7.05E-02	7.05E-02	1.18E-02	1.18E-02	5.17E-03	5.17E-03
4244	441212.5	3768702	6.00E-02	6.00E-02	6.76E-02	6.76E-02	1.13E-02	1.13E-02	4.96E-03	4.96E-03
4245	441212.6	3768712	5.71E-02	5.71E-02	6.44E-02	6.44E-02	1.08E-02	1.08E-02	4.72E-03	4.72E-03
4246	441212.6	3768722	5.40E-02	5.40E-02	6.09E-02	6.09E-02	1.02E-02	1.02E-02	4.47E-03	4.47E-03
4247	441212.6	3768732	5.10E-02	5.10E-02	5.74E-02	5.74E-02	9.63E-03	9.63E-03	4.21E-03	4.21E-03
4248	441212.7	3768742	4.76E-02	4.76E-02	5.36E-02	5.36E-02	8.99E-03	8.99E-03	3.93E-03	3.93E-03
4249	441212.7	3768752	4.39E-02	4.39E-02	4.95E-02	4.95E-02	8.30E-03	8.30E-03	3.63E-03	3.63E-03
4250	441212.8	3768782	3.26E-02	3.26E-02	3.67E-02	3.67E-02	6.16E-03	6.16E-03	2.69E-03	2.69E-03
4251	441212.8	3768792	2.88E-02	2.88E-02	3.25E-02	3.25E-02	5.45E-03	5.45E-03	2.38E-03	2.38E-03
4252	441199.3	3768595	5.20E-02	5.20E-02	5.86E-02	5.86E-02	9.84E-03	9.84E-03	4.30E-03	4.30E-03
4253	441218.4	3768566	5.18E-02	5.18E-02	5.84E-02	5.84E-02	9.80E-03	9.80E-03	4.29E-03	4.29E-03
4254	441192.4	3768642	5.21E-02	5.21E-02	5.87E-02	5.87E-02	9.85E-03	9.85E-03	4.31E-03	4.31E-03
4255	441192.4	3768652	5.19E-02	5.19E-02	5.85E-02	5.85E-02	9.81E-03	9.81E-03	4.29E-03	4.29E-03
4256	441192.4	3768662	5.13E-02	5.13E-02	5.78E-02	5.78E-02	9.70E-03	9.70E-03	4.24E-03	4.24E-03
4257	441192.4	3768672	5.03E-02	5.03E-02	5.67E-02	5.67E-02	9.52E-03	9.52E-03	4.16E-03	4.16E-03
4258	441192.5	3768682	4.91E-02	4.91E-02	5.53E-02	5.53E-02	9.27E-03	9.27E-03	4.06E-03	4.06E-03
4259	441192.5	3768692	4.75E-02	4.75E-02	5.35E-02	5.35E-02	8.97E-03	8.97E-03	3.92E-03	3.92E-03
4260	441192.5	3768702	4.55E-02	4.55E-02	5.13E-02	5.13E-02	8.60E-03	8.60E-03	3.76E-03	3.76E-03
4261	441192.6	3768712	4.33E-02	4.33E-02	4.88E-02	4.88E-02	8.18E-03	8.18E-03	3.58E-03	3.58E-03
4262	441192.6	3768722	4.09E-02	4.09E-02	4.61E-02	4.61E-02	7.74E-03	7.74E-03	3.38E-03	3.38E-03
4263	441192.6	3768732	3.87E-02	3.87E-02	4.36E-02	4.36E-02	7.31E-03	7.31E-03	3.20E-03	3.20E-03
4264	441192.7	3768742	3.63E-02	3.63E-02	4.09E-02	4.09E-02	6.86E-03	6.86E-03	3.00E-03	3.00E-03
4265	441192.7	3768752	3.37E-02	3.37E-02	3.80E-02	3.80E-02	6.37E-03	6.37E-03	2.79E-03	2.79E-03
4266	441192.8	3768782	2.58E-02	2.58E-02	2.91E-02	2.91E-02	4.88E-03	4.88E-03	2.13E-03	2.13E-03
4267	441192.8	3768792	2.33E-02	2.33E-02	2.63E-02	2.63E-02	4.41E-03	4.41E-03	1.93E-03	1.93E-03
4268	441179	3768596	4.26E-02	4.26E-02	4.80E-02	4.80E-02	8.05E-03	8.05E-03	3.52E-03	3.52E-03
4269	441220.2	3768545	4.47E-02	4.47E-02	5.04E-02	5.04E-02	8.45E-03	8.45E-03	3.70E-03	3.70E-03
4270	441172.4	3768642	4.15E-02	4.15E-02	4.68E-02	4.68E-02	7.84E-03	7.84E-03	3.43E-03	3.43E-03
4271	441172.4	3768652	4.11E-02	4.11E-02	4.64E-02	4.64E-02	7.78E-03	7.78E-03	3.40E-03	3.40E-03
4272	441172.4	3768662	4.05E-02	4.05E-02	4.57E-02	4.57E-02	7.66E-03	7.66E-03	3.35E-03	3.35E-03
4273	441172.4	3768672	3.97E-02	3.97E-02	4.47E-02	4.47E-02	7.50E-03	7.50E-03	3.28E-03	3.28E-03
4274	441172.5	3768682	3.86E-02	3.86E-02	4.35E-02	4.35E-02	7.29E-03	7.29E-03	3.19E-03	3.19E-03
4275	441172.5	3768692	3.73E-02	3.73E-02	4.20E-02	4.20E-02	7.05E-03	7.05E-03	3.08E-03	3.08E-03
4276	441172.5	3768702	3.58E-02	3.58E-02	4.03E-02	4.03E-02	6.76E-03	6.76E-03	2.96E-03	2.96E-03
4277	441172.6	3768712	3.41E-02	3.41E-02	3.84E-02	3.84E-02	6.45E-03	6.45E-03	2.82E-03	2.82E-03
4278	441172.6	3768722	3.23E-02	3.23E-02	3.65E-02	3.65E-02	6.11E-03	6.11E-03	2.67E-03	2.67E-03
4279	441172.6	3768732	3.06E-02	3.06E-02	3.45E-02	3.45E-02	5.79E-03	5.79E-03	2.53E-03	2.53E-03
4280	441172.7	3768742	2.88E-02	2.88E-02	3.25E-02	3.25E-02	5.45E-03	5.45E-03	2.38E-03	2.38E-03
4281	441172.7	3768752	2.70E-02	2.70E-02	3.04E-02	3.04E-02	5.09E-03	5.09E-03	2.23E-03	2.23E-03
4282	441159.6	3768594	3.57E-02	3.57E-02	4.02E-02	4.02E-02	6.75E-03	6.75E-03	2.95E-03	2.95E-03
4283	441178	3768550	3.58E-02	3.58E-02	4.03E-02	4.03E-02	6.76E-03	6.76E-03	2.96E-03	2.96E-03
4284	441152.4	3768642	3.39E-02	3.39E-02	3.82E-02	3.82E-02	6.40E-03	6.40E-03	2.80E-03	2.80E-03
4285	441152.4	3768652	3.35E-02	3.35E-02	3.78E-02	3.78E-02	6.33E-03	6.33E-03	2.77E-03	2.77E-03
4286	441152.4	3768662	3.30E-02	3.30E-02	3.71E-02	3.71E-02	6.23E-03	6.23E-03	2.72E-03	2.72E-03
4287	441152.4	3768672	3.21E-02	3.21E-02	3.62E-02	3.62E-02	6.07E-03	6.07E-03	2.66E-03	2.66E-03
4288	441152.5	3768682	3.12E-02	3.12E-02	3.51E-02	3.51E-02	5.89E-03	5.89E-03	2.58E-03	2.58E-03
4289	441152.5	3768692	3.01E-02	3.01E-02	3.39E-02	3.39E-02	5.68E-03	5.68E-03	2.49E-03	2.49E-03
4290	441152.5	3768702	2.89E-02	2.89E-02	3.26E-02	3.26E-02	5.47E-03	5.47E-03	2.39E-03	2.39E-03
4291	441152.6	3768712	2.77E-02	2.77E-02	3.12E-02	3.12E-02	5.23E-03	5.23E-03	2.29E-03	2.29E-03
4292	441152.6	3768722	2.63E-02	2.63E-02	2.97E-02	2.97E-02	4.98E-03	4.98E-03	2.18E-03	2.18E-03
4293	441152.6	3768732	2.50E-02	2.50E-02	2.81E-02	2.81E-02	4.72E-03	4.72E-03	2.06E-03	2.06E-03
4294	441152.7	3768742	2.36E-02	2.36E-02	2.65E-02	2.65E-02	4.45E-03	4.45E-03	1.95E-03	1.95E-03
4295	441152.7	3768752	2.21E-02	2.21E-02	2.49E-02	2.49E-02	4.18E-03	4.18E-03	1.83E-03	1.83E-03
4296	441139.3	3768595	3.00E-02	3.00E-02	3.39E-02	3.39E-02	5.68E-03	5.68E-03	2.48E-03	2.48E-03
4297	441160.5	3768544	3.13E-02	3.13E-02	3.52E-02	3.52E-02	5.91E-03	5.91E-03	2.59E-03	2.59E-03
4298	441210.3	3768509	3.35E-02	3.35E-02	3.77E-02	3.77E-02	6.32E-03	6.32E-03	2.77E-03	2.77E-03
4299	441132.4	3768642	2.81E-02	2.81E-02	3.17E-02	3.17E-02	5.32E-03	5.32E-03	2.33E-03	2.33E-03
4300	441132.4	3768652	2.77E-02	2.77E-02	3.12E-02	3.12E-02	5.24E-03	5.24E-03	2.29E-03	2.29E-03
4301	441132.4	3768662	2.72E-02	2.72E-02	3.06E-02	3.06E-02	5.14E-03	5.14E-03	2.25E-03	2.25E-03
4302	441132.4	3768672	2.65E-02	2.65E-02	2.99E-02	2.99E-02	5.01E-03	5.01E-03	2.19E-03	2.19E-03
4303	441132.5	3768682	2.58E-02	2.58E-02	2.90E-02	2.90E-02	4.87E-03	4.87E-03	2.13E-03	2.13E-03
4304	441132.5	3768692	2.49E-02	2.49E-02	2.81E-02	2.81E-02	4.71E-03	4.71E-03	2.06E-03	2.06E-03

4305	441132.5	3768702	2.40E-02	2.40E-02	2.71E-02	2.71E-02	4.54E-03	4.54E-03	1.98E-03	1.98E-03
4306	441132.6	3768712	2.30E-02	2.30E-02	2.59E-02	2.59E-02	4.35E-03	4.35E-03	1.90E-03	1.90E-03
4307	441132.6	3768722	2.20E-02	2.20E-02	2.48E-02	2.48E-02	4.15E-03	4.15E-03	1.82E-03	1.82E-03
4308	441132.6	3768732	2.09E-02	2.09E-02	2.35E-02	2.35E-02	3.95E-03	3.95E-03	1.73E-03	1.73E-03
4309	441132.7	3768742	1.98E-02	1.98E-02	2.23E-02	2.23E-02	3.74E-03	3.74E-03	1.63E-03	1.63E-03
4310	441132.7	3768752	1.86E-02	1.86E-02	2.10E-02	2.10E-02	3.52E-03	3.52E-03	1.54E-03	1.54E-03
4311	441119.7	3768594	2.55E-02	2.55E-02	2.88E-02	2.88E-02	4.83E-03	4.83E-03	2.11E-03	2.11E-03
4312	441138.5	3768549	2.75E-02	2.75E-02	3.10E-02	3.10E-02	5.21E-03	5.21E-03	2.28E-03	2.28E-03
4313	441112.4	3768642	2.37E-02	2.37E-02	2.67E-02	2.67E-02	4.49E-03	4.49E-03	1.96E-03	1.96E-03
4314	441112.4	3768652	2.33E-02	2.33E-02	2.63E-02	2.63E-02	4.41E-03	4.41E-03	1.93E-03	1.93E-03
4315	441112.4	3768662	2.29E-02	2.29E-02	2.58E-02	2.58E-02	4.32E-03	4.32E-03	1.89E-03	1.89E-03
4316	441112.4	3768672	2.23E-02	2.23E-02	2.51E-02	2.51E-02	4.22E-03	4.22E-03	1.84E-03	1.84E-03
4317	441112.5	3768682	2.17E-02	2.17E-02	2.45E-02	2.45E-02	4.10E-03	4.10E-03	1.79E-03	1.79E-03
4318	441112.5	3768692	2.10E-02	2.10E-02	2.37E-02	2.37E-02	3.97E-03	3.97E-03	1.74E-03	1.74E-03
4319	441112.5	3768702	2.03E-02	2.03E-02	2.28E-02	2.28E-02	3.83E-03	3.83E-03	1.68E-03	1.68E-03
4320	441112.6	3768712	1.95E-02	1.95E-02	2.19E-02	2.19E-02	3.68E-03	3.68E-03	1.61E-03	1.61E-03
4321	441112.6	3768722	1.86E-02	1.86E-02	2.10E-02	2.10E-02	3.52E-03	3.52E-03	1.54E-03	1.54E-03
4322	441112.6	3768732	1.78E-02	1.78E-02	2.00E-02	2.00E-02	3.36E-03	3.36E-03	1.47E-03	1.47E-03
4323	441112.7	3768742	1.69E-02	1.69E-02	1.90E-02	1.90E-02	3.19E-03	3.19E-03	1.40E-03	1.40E-03
4324	441112.7	3768752	1.60E-02	1.60E-02	1.81E-02	1.81E-02	3.03E-03	3.03E-03	1.33E-03	1.33E-03
4325	441095.9	3768604	2.15E-02	2.15E-02	2.43E-02	2.43E-02	4.07E-03	4.07E-03	1.78E-03	1.78E-03
4326	441099.5	3768595	2.21E-02	2.21E-02	2.49E-02	2.49E-02	4.18E-03	4.18E-03	1.83E-03	1.83E-03
4327	441117.6	3768551	2.42E-02	2.42E-02	2.72E-02	2.72E-02	4.57E-03	4.57E-03	2.00E-03	2.00E-03
4328	441183.1	3768481	2.69E-02	2.69E-02	3.03E-02	3.03E-02	5.08E-03	5.08E-03	2.22E-03	2.22E-03
4329	441092.3	3768612	2.09E-02	2.09E-02	2.36E-02	2.36E-02	3.96E-03	3.96E-03	1.73E-03	1.73E-03
4330	441092.3	3768622	2.08E-02	2.08E-02	2.34E-02	2.34E-02	3.93E-03	3.93E-03	1.72E-03	1.72E-03
4331	441092.3	3768632	2.06E-02	2.06E-02	2.32E-02	2.32E-02	3.89E-03	3.89E-03	1.70E-03	1.70E-03
4332	441092.4	3768642	2.03E-02	2.03E-02	2.29E-02	2.29E-02	3.84E-03	3.84E-03	1.68E-03	1.68E-03
4333	441092.4	3768652	2.00E-02	2.00E-02	2.25E-02	2.25E-02	3.77E-03	3.77E-03	1.65E-03	1.65E-03
4334	441092.4	3768662	1.96E-02	1.96E-02	2.20E-02	2.20E-02	3.70E-03	3.70E-03	1.62E-03	1.62E-03
4335	441092.4	3768672	1.91E-02	1.91E-02	2.15E-02	2.15E-02	3.60E-03	3.60E-03	1.58E-03	1.58E-03
4336	441092.5	3768682	1.85E-02	1.85E-02	2.09E-02	2.09E-02	3.50E-03	3.50E-03	1.53E-03	1.53E-03
4337	441092.5	3768692	1.80E-02	1.80E-02	2.02E-02	2.02E-02	3.40E-03	3.40E-03	1.49E-03	1.49E-03
4338	441092.5	3768702	1.73E-02	1.73E-02	1.95E-02	1.95E-02	3.28E-03	3.28E-03	1.43E-03	1.43E-03
4339	441092.6	3768712	1.67E-02	1.67E-02	1.88E-02	1.88E-02	3.16E-03	3.16E-03	1.38E-03	1.38E-03
4340	441092.6	3768722	1.60E-02	1.60E-02	1.81E-02	1.81E-02	3.03E-03	3.03E-03	1.33E-03	1.33E-03
4341	441092.6	3768732	1.54E-02	1.54E-02	1.73E-02	1.73E-02	2.90E-03	2.90E-03	1.27E-03	1.27E-03
4342	441092.7	3768742	1.47E-02	1.47E-02	1.65E-02	1.65E-02	2.77E-03	2.77E-03	1.21E-03	1.21E-03
4343	441092.7	3768752	1.40E-02	1.40E-02	1.58E-02	1.58E-02	2.64E-03	2.64E-03	1.16E-03	1.16E-03
4344	441079.8	3768594	1.93E-02	1.93E-02	2.18E-02	2.18E-02	3.65E-03	3.65E-03	1.60E-03	1.60E-03
4345	441083.6	3768585	1.98E-02	1.98E-02	2.23E-02	2.23E-02	3.75E-03	3.75E-03	1.64E-03	1.64E-03
4346	441087.4	3768576	2.03E-02	2.03E-02	2.28E-02	2.28E-02	3.83E-03	3.83E-03	1.67E-03	1.67E-03
4347	441091.2	3768567	2.07E-02	2.07E-02	2.33E-02	2.33E-02	3.91E-03	3.91E-03	1.71E-03	1.71E-03
4348	441094.9	3768557	2.10E-02	2.10E-02	2.37E-02	2.37E-02	3.98E-03	3.98E-03	1.74E-03	1.74E-03
4349	441098.7	3768548	2.14E-02	2.14E-02	2.41E-02	2.41E-02	4.04E-03	4.04E-03	1.77E-03	1.77E-03
4350	441072.4	3768642	1.76E-02	1.76E-02	1.99E-02	1.99E-02	3.33E-03	3.33E-03	1.46E-03	1.46E-03
4351	441072.4	3768652	1.73E-02	1.73E-02	1.95E-02	1.95E-02	3.27E-03	3.27E-03	1.43E-03	1.43E-03
4352	441072.4	3768662	1.70E-02	1.70E-02	1.91E-02	1.91E-02	3.20E-03	3.20E-03	1.40E-03	1.40E-03
4353	441072.4	3768672	1.65E-02	1.65E-02	1.86E-02	1.86E-02	3.12E-03	3.12E-03	1.37E-03	1.37E-03
4354	441072.5	3768682	1.61E-02	1.61E-02	1.81E-02	1.81E-02	3.04E-03	3.04E-03	1.33E-03	1.33E-03
4355	441072.5	3768692	1.56E-02	1.56E-02	1.76E-02	1.76E-02	2.95E-03	2.95E-03	1.29E-03	1.29E-03
4356	441072.5	3768702	1.51E-02	1.51E-02	1.70E-02	1.70E-02	2.85E-03	2.85E-03	1.25E-03	1.25E-03
4357	441072.6	3768712	1.46E-02	1.46E-02	1.64E-02	1.64E-02	2.75E-03	2.75E-03	1.20E-03	1.20E-03
4358	441072.6	3768722	1.40E-02	1.40E-02	1.58E-02	1.58E-02	2.65E-03	2.65E-03	1.16E-03	1.16E-03
4359	441072.6	3768732	1.35E-02	1.35E-02	1.52E-02	1.52E-02	2.55E-03	2.55E-03	1.11E-03	1.11E-03
4360	441072.7	3768742	1.29E-02	1.29E-02	1.46E-02	1.46E-02	2.44E-03	2.44E-03	1.07E-03	1.07E-03
4361	441072.7	3768752	1.24E-02	1.24E-02	1.39E-02	1.39E-02	2.33E-03	2.33E-03	1.02E-03	1.02E-03
4362	441072.8	3768782	1.07E-02	1.07E-02	1.21E-02	1.21E-02	2.03E-03	2.03E-03	8.86E-04	8.86E-04
4363	441072.8	3768792	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.93E-03	1.93E-03	8.44E-04	8.44E-04
4364	441055.9	3768603	1.65E-02	1.65E-02	1.86E-02	1.86E-02	3.12E-03	3.12E-03	1.37E-03	1.37E-03
4365	441059.6	3768595	1.70E-02	1.70E-02	1.92E-02	1.92E-02	3.21E-03	3.21E-03	1.40E-03	1.40E-03
4366	441078	3768550	1.88E-02	1.88E-02	2.12E-02	2.12E-02	3.56E-03	3.56E-03	1.56E-03	1.56E-03
4367	441081.7	3768541	1.91E-02	1.91E-02	2.16E-02	2.16E-02	3.62E-03	3.62E-03	1.58E-03	1.58E-03
4368	441092.7	3768515	1.97E-02	1.97E-02	2.22E-02	2.22E-02	3.73E-03	3.73E-03	1.63E-03	1.63E-03
4369	441096.4	3768506	1.98E-02	1.98E-02	2.23E-02	2.23E-02	3.74E-03	3.74E-03	1.64E-03	1.64E-03
4370	441100	3768497	1.98E-02	1.98E-02	2.23E-02	2.23E-02	3.75E-03	3.75E-03	1.64E-03	1.64E-03
4371	441103.7	3768488	1.98E-02	1.98E-02	2.23E-02	2.23E-02	3.74E-03	3.74E-03	1.64E-03	1.64E-03
4372	441107.4	3768479	1.97E-02	1.97E-02	2.22E-02	2.22E-02	3.72E-03	3.72E-03	1.63E-03	1.63E-03
4373	441052.3	3768612	1.60E-02	1.60E-02	1.81E-02	1.81E-02	3.03E-03	3.03E-03	1.33E-03	1.33E-03
4374	441052.3	3768622	1.59E-02	1.59E-02	1.79E-02	1.79E-02	3.00E-03	3.00E-03	1.31E-03	1.31E-03
4375	441052.3	3768632	1.57E-02	1.57E-02	1.77E-02	1.77E-02	2.96E-03	2.96E-03	1.30E-03	1.30E-03
4376	441052.4	3768642	1.54E-02	1.54E-02	1.74E-02	1.74E-02	2.92E-03	2.92E-03	1.28E-03	1.28E-03
4377	441052.4	3768652	1.52E-02	1.52E-02	1.71E-02	1.71E-02	2.87E-03	2.87E-03	1.25E-03	1.25E-03

4378	441052.4	3768662	1.49E-02	1.49E-02	1.68E-02	1.68E-02	2.81E-03	2.81E-03	1.23E-03	1.23E-03
4379	441052.4	3768672	1.45E-02	1.45E-02	1.63E-02	1.63E-02	2.74E-03	2.74E-03	1.20E-03	1.20E-03
4380	441052.5	3768682	1.41E-02	1.41E-02	1.59E-02	1.59E-02	2.67E-03	2.67E-03	1.17E-03	1.17E-03
4381	441052.5	3768692	1.37E-02	1.37E-02	1.54E-02	1.54E-02	2.59E-03	2.59E-03	1.13E-03	1.13E-03
4382	441052.5	3768702	1.33E-02	1.33E-02	1.50E-02	1.50E-02	2.51E-03	2.51E-03	1.10E-03	1.10E-03
4383	441052.6	3768712	1.28E-02	1.28E-02	1.45E-02	1.45E-02	2.43E-03	2.43E-03	1.06E-03	1.06E-03
4384	441052.6	3768722	1.24E-02	1.24E-02	1.40E-02	1.40E-02	2.34E-03	2.34E-03	1.02E-03	1.02E-03
4385	441052.6	3768732	1.19E-02	1.19E-02	1.34E-02	1.34E-02	2.26E-03	2.26E-03	9.86E-04	9.86E-04
4386	441052.7	3768742	1.15E-02	1.15E-02	1.29E-02	1.29E-02	2.17E-03	2.17E-03	9.48E-04	9.48E-04
4387	441052.7	3768752	1.10E-02	1.10E-02	1.24E-02	1.24E-02	2.08E-03	2.08E-03	9.10E-04	9.10E-04
4388	441052.8	3768782	9.66E-03	9.66E-03	1.09E-02	1.09E-02	1.83E-03	1.83E-03	7.99E-04	7.99E-04
4389	441052.8	3768792	9.24E-03	9.24E-03	1.04E-02	1.04E-02	1.75E-03	1.75E-03	7.64E-04	7.64E-04
4390	441039.9	3768594	1.50E-02	1.50E-02	1.70E-02	1.70E-02	2.84E-03	2.84E-03	1.24E-03	1.24E-03
4391	441043.7	3768585	1.54E-02	1.54E-02	1.74E-02	1.74E-02	2.92E-03	2.92E-03	1.28E-03	1.28E-03
4392	441047.5	3768576	1.58E-02	1.58E-02	1.78E-02	1.78E-02	2.99E-03	2.99E-03	1.31E-03	1.31E-03
4393	441051.3	3768566	1.61E-02	1.61E-02	1.82E-02	1.82E-02	3.05E-03	3.05E-03	1.33E-03	1.33E-03
4394	441055.1	3768557	1.65E-02	1.65E-02	1.86E-02	1.86E-02	3.12E-03	3.12E-03	1.36E-03	1.36E-03
4395	441058.9	3768548	1.68E-02	1.68E-02	1.89E-02	1.89E-02	3.18E-03	3.18E-03	1.39E-03	1.39E-03
4396	441016	3768604	1.30E-02	1.30E-02	1.47E-02	1.47E-02	2.47E-03	2.47E-03	1.08E-03	1.08E-03
4397	441019.7	3768595	1.34E-02	1.34E-02	1.51E-02	1.51E-02	2.54E-03	2.54E-03	1.11E-03	1.11E-03
4398	441038.3	3768550	1.50E-02	1.50E-02	1.69E-02	1.69E-02	2.84E-03	2.84E-03	1.24E-03	1.24E-03
4399	441042	3768541	1.53E-02	1.53E-02	1.72E-02	1.72E-02	2.89E-03	2.89E-03	1.27E-03	1.27E-03
4400	441053.1	3768514	1.60E-02	1.60E-02	1.80E-02	1.80E-02	3.02E-03	3.02E-03	1.32E-03	1.32E-03
4401	441056.8	3768505	1.61E-02	1.61E-02	1.81E-02	1.81E-02	3.04E-03	3.04E-03	1.33E-03	1.33E-03
4402	441060.5	3768496	1.62E-02	1.62E-02	1.83E-02	1.83E-02	3.07E-03	3.07E-03	1.34E-03	1.34E-03
4403	441064.2	3768487	1.63E-02	1.63E-02	1.84E-02	1.84E-02	3.08E-03	3.08E-03	1.35E-03	1.35E-03
4404	441068	3768478	1.64E-02	1.64E-02	1.84E-02	1.84E-02	3.09E-03	3.09E-03	1.35E-03	1.35E-03
4405	441071.7	3768469	1.63E-02	1.63E-02	1.84E-02	1.84E-02	3.09E-03	3.09E-03	1.35E-03	1.35E-03
4406	441075.4	3768460	1.63E-02	1.63E-02	1.84E-02	1.84E-02	3.08E-03	3.08E-03	1.35E-03	1.35E-03
4407	441012.3	3768612	1.27E-02	1.27E-02	1.43E-02	1.43E-02	2.39E-03	2.39E-03	1.05E-03	1.05E-03
4408	441012.3	3768622	1.25E-02	1.25E-02	1.41E-02	1.41E-02	2.37E-03	2.37E-03	1.04E-03	1.04E-03
4409	441012.3	3768632	1.24E-02	1.24E-02	1.39E-02	1.39E-02	2.33E-03	2.33E-03	1.02E-03	1.02E-03
4410	441012.4	3768642	1.22E-02	1.22E-02	1.37E-02	1.37E-02	2.30E-03	2.30E-03	1.01E-03	1.01E-03
4411	441012.4	3768652	1.20E-02	1.20E-02	1.35E-02	1.35E-02	2.26E-03	2.26E-03	9.89E-04	9.89E-04
4412	441012.4	3768662	1.17E-02	1.17E-02	1.32E-02	1.32E-02	2.22E-03	2.22E-03	9.69E-04	9.69E-04
4413	441012.4	3768672	1.15E-02	1.15E-02	1.29E-02	1.29E-02	2.16E-03	2.16E-03	9.47E-04	9.47E-04
4414	441012.5	3768682	1.12E-02	1.12E-02	1.26E-02	1.26E-02	2.11E-03	2.11E-03	9.24E-04	9.24E-04
4415	441012.5	3768692	1.09E-02	1.09E-02	1.23E-02	1.23E-02	2.05E-03	2.05E-03	8.99E-04	8.99E-04
4416	441012.5	3768702	1.06E-02	1.06E-02	1.19E-02	1.19E-02	2.00E-03	2.00E-03	8.73E-04	8.73E-04
4417	441012.6	3768712	1.03E-02	1.03E-02	1.16E-02	1.16E-02	1.94E-03	1.94E-03	8.48E-04	8.48E-04
4418	441012.6	3768722	9.93E-03	9.93E-03	1.12E-02	1.12E-02	1.88E-03	1.88E-03	8.21E-04	8.21E-04
4419	441012.6	3768732	9.61E-03	9.61E-03	1.08E-02	1.08E-02	1.82E-03	1.82E-03	7.94E-04	7.94E-04
4420	441012.7	3768742	9.28E-03	9.28E-03	1.05E-02	1.05E-02	1.75E-03	1.75E-03	7.67E-04	7.67E-04
4421	441012.7	3768752	8.95E-03	8.95E-03	1.01E-02	1.01E-02	1.69E-03	1.69E-03	7.40E-04	7.40E-04
4422	441012.7	3768772	8.32E-03	8.32E-03	9.38E-03	9.38E-03	1.57E-03	1.57E-03	6.88E-04	6.88E-04
4423	441012.8	3768782	8.01E-03	8.01E-03	9.03E-03	9.03E-03	1.51E-03	1.51E-03	6.62E-04	6.62E-04
4424	441012.8	3768792	7.70E-03	7.70E-03	8.68E-03	8.68E-03	1.46E-03	1.46E-03	6.37E-04	6.37E-04
4425	440999.5	3768595	1.21E-02	1.21E-02	1.36E-02	1.36E-02	2.28E-03	2.28E-03	9.96E-04	9.96E-04
4426	441003.2	3768586	1.24E-02	1.24E-02	1.39E-02	1.39E-02	2.34E-03	2.34E-03	1.02E-03	1.02E-03
4427	441006.8	3768577	1.27E-02	1.27E-02	1.43E-02	1.43E-02	2.40E-03	2.40E-03	1.05E-03	1.05E-03
4428	441010.5	3768569	1.30E-02	1.30E-02	1.46E-02	1.46E-02	2.45E-03	2.45E-03	1.07E-03	1.07E-03
4429	441014.1	3768560	1.33E-02	1.33E-02	1.49E-02	1.49E-02	2.50E-03	2.50E-03	1.10E-03	1.10E-03
4430	441017.7	3768551	1.35E-02	1.35E-02	1.52E-02	1.52E-02	2.55E-03	2.55E-03	1.12E-03	1.12E-03
4431	440992.4	3768643	1.09E-02	1.09E-02	1.23E-02	1.23E-02	2.06E-03	2.06E-03	9.02E-04	9.02E-04
4432	440992.4	3768652	1.07E-02	1.07E-02	1.21E-02	1.21E-02	2.03E-03	2.03E-03	8.86E-04	8.86E-04
4433	440992.4	3768662	1.05E-02	1.05E-02	1.18E-02	1.18E-02	1.99E-03	1.99E-03	8.69E-04	8.69E-04
4434	440992.4	3768672	1.03E-02	1.03E-02	1.16E-02	1.16E-02	1.95E-03	1.95E-03	8.51E-04	8.51E-04
4435	440992.5	3768682	1.01E-02	1.01E-02	1.13E-02	1.13E-02	1.90E-03	1.90E-03	8.31E-04	8.31E-04
4436	440992.5	3768692	9.80E-03	9.80E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.10E-04	8.10E-04
4437	440992.5	3768702	9.54E-03	9.54E-03	1.07E-02	1.07E-02	1.80E-03	1.80E-03	7.88E-04	7.88E-04
4438	440992.6	3768712	9.27E-03	9.27E-03	1.04E-02	1.04E-02	1.75E-03	1.75E-03	7.66E-04	7.66E-04
4439	440992.6	3768722	8.99E-03	8.99E-03	1.01E-02	1.01E-02	1.70E-03	1.70E-03	7.44E-04	7.44E-04
4440	440992.6	3768732	8.72E-03	8.72E-03	9.83E-03	9.83E-03	1.65E-03	1.65E-03	7.21E-04	7.21E-04
4441	440992.7	3768742	8.44E-03	8.44E-03	9.51E-03	9.51E-03	1.60E-03	1.60E-03	6.98E-04	6.98E-04
4442	440992.7	3768752	8.16E-03	8.16E-03	9.20E-03	9.20E-03	1.54E-03	1.54E-03	6.75E-04	6.75E-04
4443	440992.7	3768772	7.62E-03	7.62E-03	8.59E-03	8.59E-03	1.44E-03	1.44E-03	6.30E-04	6.30E-04
4444	440992.8	3768782	7.35E-03	7.35E-03	8.29E-03	8.29E-03	1.39E-03	1.39E-03	6.08E-04	6.08E-04
4445	440992.8	3768792	7.09E-03	7.09E-03	7.99E-03	7.99E-03	1.34E-03	1.34E-03	5.86E-04	5.86E-04
4446	440976	3768604	1.06E-02	1.06E-02	1.20E-02	1.20E-02	2.01E-03	2.01E-03	8.80E-04	8.80E-04
4447	440979.7	3768595	1.10E-02	1.10E-02	1.23E-02	1.23E-02	2.07E-03	2.07E-03	9.05E-04	9.05E-04
4448	440998.5	3768549	1.23E-02	1.23E-02	1.39E-02	1.39E-02	2.32E-03	2.32E-03	1.02E-03	1.02E-03
4449	441002.2	3768540	1.25E-02	1.25E-02	1.41E-02	1.41E-02	2.36E-03	2.36E-03	1.03E-03	1.03E-03
4450	441013.4	3768513	1.32E-02	1.32E-02	1.48E-02	1.48E-02	2.49E-03	2.49E-03	1.09E-03	1.09E-03

4451	441017.2	3768504	1.33E-02	1.33E-02	1.50E-02	1.50E-02	2.52E-03	2.52E-03	1.10E-03	1.10E-03
4452	440972.3	3768613	1.03E-02	1.03E-02	1.16E-02	1.16E-02	1.95E-03	1.95E-03	8.53E-04	8.53E-04
4453	440972.3	3768623	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.92E-03	1.92E-03	8.41E-04	8.41E-04
4454	440972.3	3768633	1.00E-02	1.00E-02	1.13E-02	1.13E-02	1.89E-03	1.89E-03	8.27E-04	8.27E-04
4455	440972.4	3768643	9.83E-03	9.83E-03	1.11E-02	1.11E-02	1.86E-03	1.86E-03	8.13E-04	8.13E-04
4456	440972.4	3768653	9.66E-03	9.66E-03	1.09E-02	1.09E-02	1.83E-03	1.83E-03	7.98E-04	7.98E-04
4457	440972.4	3768663	9.47E-03	9.47E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.83E-04	7.83E-04
4458	440972.4	3768673	9.28E-03	9.28E-03	1.05E-02	1.05E-02	1.75E-03	1.75E-03	7.67E-04	7.67E-04
4459	440972.5	3768682	9.08E-03	9.08E-03	1.02E-02	1.02E-02	1.72E-03	1.72E-03	7.51E-04	7.51E-04
4460	440972.5	3768692	8.87E-03	8.87E-03	1.00E-02	1.00E-02	1.68E-03	1.68E-03	7.34E-04	7.34E-04
4461	440972.5	3768702	8.65E-03	8.65E-03	9.75E-03	9.75E-03	1.63E-03	1.63E-03	7.15E-04	7.15E-04
4462	440972.6	3768712	8.42E-03	8.42E-03	9.49E-03	9.49E-03	1.59E-03	1.59E-03	6.96E-04	6.96E-04
4463	440972.6	3768722	8.18E-03	8.18E-03	9.22E-03	9.22E-03	1.55E-03	1.55E-03	6.77E-04	6.77E-04
4464	440972.6	3768732	7.95E-03	7.95E-03	8.96E-03	8.96E-03	1.50E-03	1.50E-03	6.58E-04	6.58E-04
4465	440972.7	3768742	7.72E-03	7.72E-03	8.70E-03	8.70E-03	1.46E-03	1.46E-03	6.38E-04	6.38E-04
4466	440972.7	3768752	7.48E-03	7.48E-03	8.44E-03	8.44E-03	1.41E-03	1.41E-03	6.19E-04	6.19E-04
4467	440972.8	3768782	6.78E-03	6.78E-03	7.64E-03	7.64E-03	1.28E-03	1.28E-03	5.61E-04	5.61E-04
4468	440972.8	3768792	6.55E-03	6.55E-03	7.39E-03	7.39E-03	1.24E-03	1.24E-03	5.42E-04	5.42E-04
4469	440959.6	3768595	9.94E-03	9.94E-03	1.12E-02	1.12E-02	1.88E-03	1.88E-03	8.22E-04	8.22E-04
4470	440963.3	3768586	1.02E-02	1.02E-02	1.15E-02	1.15E-02	1.93E-03	1.93E-03	8.44E-04	8.44E-04
4471	440967	3768577	1.05E-02	1.05E-02	1.18E-02	1.18E-02	1.98E-03	1.98E-03	8.67E-04	8.67E-04
4472	440970.6	3768568	1.07E-02	1.07E-02	1.21E-02	1.21E-02	2.03E-03	2.03E-03	8.87E-04	8.87E-04
4473	440974.3	3768559	1.10E-02	1.10E-02	1.24E-02	1.24E-02	2.07E-03	2.07E-03	9.07E-04	9.07E-04
4474	440978	3768550	1.12E-02	1.12E-02	1.26E-02	1.26E-02	2.12E-03	2.12E-03	9.26E-04	9.26E-04
4475	440952.3	3768633	9.10E-03	9.10E-03	1.03E-02	1.03E-02	1.72E-03	1.72E-03	7.53E-04	7.53E-04
4476	440952.4	3768643	8.96E-03	8.96E-03	1.01E-02	1.01E-02	1.69E-03	1.69E-03	7.41E-04	7.41E-04
4477	440952.4	3768653	8.81E-03	8.81E-03	9.93E-03	9.93E-03	1.66E-03	1.66E-03	7.28E-04	7.28E-04
4478	440952.4	3768663	8.65E-03	8.65E-03	9.74E-03	9.74E-03	1.63E-03	1.63E-03	7.15E-04	7.15E-04
4479	440952.4	3768673	8.47E-03	8.47E-03	9.55E-03	9.55E-03	1.60E-03	1.60E-03	7.01E-04	7.01E-04
4480	440952.5	3768683	8.29E-03	8.29E-03	9.35E-03	9.35E-03	1.57E-03	1.57E-03	6.86E-04	6.86E-04
4481	440952.5	3768693	8.10E-03	8.10E-03	9.13E-03	9.13E-03	1.53E-03	1.53E-03	6.70E-04	6.70E-04
4482	440952.5	3768703	7.91E-03	7.91E-03	8.91E-03	8.91E-03	1.49E-03	1.49E-03	6.54E-04	6.54E-04
4483	440952.6	3768712	7.70E-03	7.70E-03	8.68E-03	8.68E-03	1.46E-03	1.46E-03	6.37E-04	6.37E-04
4484	440952.6	3768722	7.50E-03	7.50E-03	8.45E-03	8.45E-03	1.42E-03	1.42E-03	6.20E-04	6.20E-04
4485	440952.6	3768732	7.30E-03	7.30E-03	8.23E-03	8.23E-03	1.38E-03	1.38E-03	6.04E-04	6.04E-04
4486	440952.7	3768742	7.10E-03	7.10E-03	8.00E-03	8.00E-03	1.34E-03	1.34E-03	5.87E-04	5.87E-04
4487	440952.7	3768752	6.89E-03	6.89E-03	7.77E-03	7.77E-03	1.30E-03	1.30E-03	5.70E-04	5.70E-04
4488	440952.8	3768782	6.28E-03	6.28E-03	7.08E-03	7.08E-03	1.19E-03	1.19E-03	5.20E-04	5.20E-04
4489	440952.8	3768792	6.08E-03	6.08E-03	6.85E-03	6.85E-03	1.15E-03	1.15E-03	5.03E-04	5.03E-04
4490	440919.7	3768595	8.33E-03	8.33E-03	9.39E-03	9.39E-03	1.57E-03	1.57E-03	6.89E-04	6.89E-04
4491	440923.4	3768586	8.55E-03	8.55E-03	9.64E-03	9.64E-03	1.62E-03	1.62E-03	7.07E-04	7.07E-04
4492	440927.1	3768577	8.77E-03	8.77E-03	9.88E-03	9.88E-03	1.66E-03	1.66E-03	7.25E-04	7.25E-04
4493	440930.8	3768568	8.98E-03	8.98E-03	1.01E-02	1.01E-02	1.70E-03	1.70E-03	7.42E-04	7.42E-04
4494	440934.5	3768559	9.18E-03	9.18E-03	1.03E-02	1.03E-02	1.74E-03	1.74E-03	7.59E-04	7.59E-04
4495	440938.2	3768550	9.38E-03	9.38E-03	1.06E-02	1.06E-02	1.77E-03	1.77E-03	7.75E-04	7.75E-04
4496	440912.3	3768633	7.70E-03	7.70E-03	8.68E-03	8.68E-03	1.46E-03	1.46E-03	6.37E-04	6.37E-04
4497	440912.4	3768643	7.58E-03	7.58E-03	8.54E-03	8.54E-03	1.43E-03	1.43E-03	6.27E-04	6.27E-04
4498	440912.4	3768653	7.45E-03	7.45E-03	8.40E-03	8.40E-03	1.41E-03	1.41E-03	6.16E-04	6.16E-04
4499	440912.4	3768663	7.32E-03	7.32E-03	8.25E-03	8.25E-03	1.38E-03	1.38E-03	6.05E-04	6.05E-04
4500	440912.4	3768673	7.18E-03	7.18E-03	8.09E-03	8.09E-03	1.36E-03	1.36E-03	5.93E-04	5.93E-04
4501	440912.5	3768683	7.03E-03	7.03E-03	7.92E-03	7.92E-03	1.33E-03	1.33E-03	5.81E-04	5.81E-04
4502	440912.5	3768693	6.88E-03	6.88E-03	7.75E-03	7.75E-03	1.30E-03	1.30E-03	5.69E-04	5.69E-04
4503	440912.5	3768703	6.72E-03	6.72E-03	7.58E-03	7.58E-03	1.27E-03	1.27E-03	5.56E-04	5.56E-04
4504	440912.6	3768713	6.57E-03	6.57E-03	7.40E-03	7.40E-03	1.24E-03	1.24E-03	5.43E-04	5.43E-04
4505	440912.6	3768723	6.41E-03	6.41E-03	7.22E-03	7.22E-03	1.21E-03	1.21E-03	5.30E-04	5.30E-04
4506	440912.6	3768733	6.24E-03	6.24E-03	7.04E-03	7.04E-03	1.18E-03	1.18E-03	5.16E-04	5.16E-04
4507	440912.7	3768743	6.08E-03	6.08E-03	6.85E-03	6.85E-03	1.15E-03	1.15E-03	5.03E-04	5.03E-04
4508	440912.7	3768753	5.92E-03	5.92E-03	6.67E-03	6.67E-03	1.12E-03	1.12E-03	4.89E-04	4.89E-04
4509	440912.8	3768782	5.45E-03	5.45E-03	6.14E-03	6.14E-03	1.03E-03	1.03E-03	4.50E-04	4.50E-04
4510	440912.8	3768792	5.29E-03	5.29E-03	5.96E-03	5.96E-03	9.99E-04	9.99E-04	4.37E-04	4.37E-04
4511	440879.7	3768595	7.12E-03	7.12E-03	8.02E-03	8.02E-03	1.35E-03	1.35E-03	5.88E-04	5.88E-04
4512	440883.4	3768586	7.29E-03	7.29E-03	8.22E-03	8.22E-03	1.38E-03	1.38E-03	6.03E-04	6.03E-04
4513	440887.2	3768577	7.46E-03	7.46E-03	8.41E-03	8.41E-03	1.41E-03	1.41E-03	6.17E-04	6.17E-04
4514	440890.9	3768568	7.64E-03	7.64E-03	8.61E-03	8.61E-03	1.44E-03	1.44E-03	6.31E-04	6.31E-04
4515	440894.6	3768559	7.80E-03	7.80E-03	8.79E-03	8.79E-03	1.47E-03	1.47E-03	6.45E-04	6.45E-04
4516	440898.3	3768550	7.97E-03	7.97E-03	8.98E-03	8.98E-03	1.51E-03	1.51E-03	6.59E-04	6.59E-04
4517	440872.3	3768633	6.60E-03	6.60E-03	7.43E-03	7.43E-03	1.25E-03	1.25E-03	5.45E-04	5.45E-04
4518	440872.4	3768643	6.50E-03	6.50E-03	7.32E-03	7.32E-03	1.23E-03	1.23E-03	5.37E-04	5.37E-04
4519	440872.4	3768653	6.39E-03	6.39E-03	7.20E-03	7.20E-03	1.21E-03	1.21E-03	5.28E-04	5.28E-04
4520	440872.4	3768663	6.28E-03	6.28E-03	7.08E-03	7.08E-03	1.19E-03	1.19E-03	5.19E-04	5.19E-04
4521	440872.4	3768673	6.16E-03	6.16E-03	6.95E-03	6.95E-03	1.17E-03	1.17E-03	5.10E-04	5.10E-04
4522	440872.5	3768683	6.04E-03	6.04E-03	6.81E-03	6.81E-03	1.14E-03	1.14E-03	5.00E-04	5.00E-04
4523	440872.5	3768693	5.92E-03	5.92E-03	6.67E-03	6.67E-03	1.12E-03	1.12E-03	4.89E-04	4.89E-04

4524	440872.5	3768703	5.80E-03	5.80E-03	6.53E-03	6.53E-03	1.10E-03	1.10E-03	4.79E-04	4.79E-04
4525	440872.6	3768713	5.67E-03	5.67E-03	6.39E-03	6.39E-03	1.07E-03	1.07E-03	4.69E-04	4.69E-04
4526	440872.6	3768723	5.54E-03	5.54E-03	6.25E-03	6.25E-03	1.05E-03	1.05E-03	4.58E-04	4.58E-04
4527	440872.6	3768733	5.41E-03	5.41E-03	6.10E-03	6.10E-03	1.02E-03	1.02E-03	4.48E-04	4.48E-04
4528	440872.7	3768743	5.28E-03	5.28E-03	5.96E-03	5.96E-03	9.99E-04	9.99E-04	4.37E-04	4.37E-04
4529	440872.7	3768753	5.16E-03	5.16E-03	5.81E-03	5.81E-03	9.75E-04	9.75E-04	4.26E-04	4.26E-04
4530	440872.8	3768783	4.78E-03	4.78E-03	5.38E-03	5.38E-03	9.03E-04	9.03E-04	3.95E-04	3.95E-04
4531	440872.8	3768793	4.65E-03	4.65E-03	5.24E-03	5.24E-03	8.78E-04	8.78E-04	3.84E-04	3.84E-04
4532	440839.7	3768595	6.15E-03	6.15E-03	6.93E-03	6.93E-03	1.16E-03	1.16E-03	5.09E-04	5.09E-04
4533	440843.5	3768586	6.29E-03	6.29E-03	7.09E-03	7.09E-03	1.19E-03	1.19E-03	5.20E-04	5.20E-04
4534	440847.2	3768577	6.43E-03	6.43E-03	7.24E-03	7.24E-03	1.21E-03	1.21E-03	5.31E-04	5.31E-04
4535	440851	3768568	6.57E-03	6.57E-03	7.40E-03	7.40E-03	1.24E-03	1.24E-03	5.43E-04	5.43E-04
4536	440854.7	3768559	6.70E-03	6.70E-03	7.56E-03	7.56E-03	1.27E-03	1.27E-03	5.54E-04	5.54E-04
4537	440858.5	3768550	6.84E-03	6.84E-03	7.71E-03	7.71E-03	1.29E-03	1.29E-03	5.66E-04	5.66E-04
4538	440832.3	3768633	5.72E-03	5.72E-03	6.44E-03	6.44E-03	1.08E-03	1.08E-03	4.73E-04	4.73E-04
4539	440832.4	3768643	5.63E-03	5.63E-03	6.35E-03	6.35E-03	1.07E-03	1.07E-03	4.66E-04	4.66E-04
4540	440832.4	3768653	5.55E-03	5.55E-03	6.25E-03	6.25E-03	1.05E-03	1.05E-03	4.59E-04	4.59E-04
4541	440832.4	3768663	5.46E-03	5.46E-03	6.15E-03	6.15E-03	1.03E-03	1.03E-03	4.51E-04	4.51E-04
4542	440832.4	3768673	5.37E-03	5.37E-03	6.05E-03	6.05E-03	1.01E-03	1.01E-03	4.44E-04	4.44E-04
4543	440832.5	3768683	5.27E-03	5.27E-03	5.94E-03	5.94E-03	9.96E-04	9.96E-04	4.36E-04	4.36E-04
4544	440832.5	3768693	5.17E-03	5.17E-03	5.82E-03	5.82E-03	9.77E-04	9.77E-04	4.27E-04	4.27E-04
4545	440832.5	3768703	5.07E-03	5.07E-03	5.71E-03	5.71E-03	9.58E-04	9.58E-04	4.19E-04	4.19E-04
4546	440832.6	3768713	4.97E-03	4.97E-03	5.60E-03	5.60E-03	9.39E-04	9.39E-04	4.11E-04	4.11E-04
4547	440832.6	3768723	4.86E-03	4.86E-03	5.48E-03	5.48E-03	9.20E-04	9.20E-04	4.02E-04	4.02E-04
4548	440832.6	3768733	4.76E-03	4.76E-03	5.36E-03	5.36E-03	9.00E-04	9.00E-04	3.94E-04	3.94E-04
4549	440832.7	3768743	4.65E-03	4.65E-03	5.24E-03	5.24E-03	8.80E-04	8.80E-04	3.85E-04	3.85E-04
4550	440832.7	3768753	4.55E-03	4.55E-03	5.12E-03	5.12E-03	8.59E-04	8.59E-04	3.76E-04	3.76E-04
4551	440832.8	3768783	4.22E-03	4.22E-03	4.76E-03	4.76E-03	7.98E-04	7.98E-04	3.49E-04	3.49E-04
4552	440832.8	3768793	4.12E-03	4.12E-03	4.64E-03	4.64E-03	7.79E-04	7.79E-04	3.41E-04	3.41E-04
4553	440799.8	3768595	5.38E-03	5.38E-03	6.06E-03	6.06E-03	1.02E-03	1.02E-03	4.44E-04	4.44E-04
4554	440792.3	3768633	5.00E-03	5.00E-03	5.63E-03	5.63E-03	9.44E-04	9.44E-04	4.13E-04	4.13E-04
4555	440792.4	3768643	4.93E-03	4.93E-03	5.56E-03	5.56E-03	9.32E-04	9.32E-04	4.08E-04	4.08E-04
4556	440792.4	3768653	4.86E-03	4.86E-03	5.48E-03	5.48E-03	9.19E-04	9.19E-04	4.02E-04	4.02E-04
4557	440792.4	3768663	4.79E-03	4.79E-03	5.40E-03	5.40E-03	9.05E-04	9.05E-04	3.96E-04	3.96E-04
4558	440792.4	3768673	4.71E-03	4.71E-03	5.31E-03	5.31E-03	8.91E-04	8.91E-04	3.90E-04	3.90E-04
4559	440792.5	3768683	4.63E-03	4.63E-03	5.22E-03	5.22E-03	8.76E-04	8.76E-04	3.83E-04	3.83E-04
4560	440792.5	3768693	4.55E-03	4.55E-03	5.13E-03	5.13E-03	8.60E-04	8.60E-04	3.76E-04	3.76E-04
4561	440792.5	3768703	4.47E-03	4.47E-03	5.04E-03	5.04E-03	8.45E-04	8.45E-04	3.70E-04	3.70E-04
4562	440792.6	3768713	4.39E-03	4.39E-03	4.94E-03	4.94E-03	8.29E-04	8.29E-04	3.63E-04	3.63E-04
4563	440792.6	3768723	4.30E-03	4.30E-03	4.85E-03	4.85E-03	8.13E-04	8.13E-04	3.55E-04	3.55E-04
4564	440792.6	3768733	4.21E-03	4.21E-03	4.75E-03	4.75E-03	7.97E-04	7.97E-04	3.48E-04	3.48E-04
4565	440792.7	3768743	4.13E-03	4.13E-03	4.65E-03	4.65E-03	7.80E-04	7.80E-04	3.41E-04	3.41E-04
4566	440792.7	3768753	4.04E-03	4.04E-03	4.55E-03	4.55E-03	7.64E-04	7.64E-04	3.34E-04	3.34E-04
4567	440792.8	3768783	3.77E-03	3.77E-03	4.25E-03	4.25E-03	7.13E-04	7.13E-04	3.12E-04	3.12E-04
4568	440792.8	3768793	3.69E-03	3.69E-03	4.16E-03	4.16E-03	6.97E-04	6.97E-04	3.05E-04	3.05E-04
4569	440759.8	3768595	4.73E-03	4.73E-03	5.34E-03	5.34E-03	8.95E-04	8.95E-04	3.91E-04	3.91E-04
4570	440763.6	3768586	4.84E-03	4.84E-03	5.45E-03	5.45E-03	9.15E-04	9.15E-04	4.00E-04	4.00E-04
4571	440767.3	3768577	4.94E-03	4.94E-03	5.57E-03	5.57E-03	9.34E-04	9.34E-04	4.09E-04	4.09E-04
4572	440771.1	3768568	5.04E-03	5.04E-03	5.68E-03	5.68E-03	9.53E-04	9.53E-04	4.17E-04	4.17E-04
4573	440774.9	3768559	5.14E-03	5.14E-03	5.79E-03	5.79E-03	9.72E-04	9.72E-04	4.25E-04	4.25E-04
4574	440778.6	3768549	5.23E-03	5.23E-03	5.90E-03	5.90E-03	9.89E-04	9.89E-04	4.33E-04	4.33E-04
4575	440752.3	3768633	4.42E-03	4.42E-03	4.98E-03	4.98E-03	8.35E-04	8.35E-04	3.65E-04	3.65E-04
4576	440752.4	3768643	4.36E-03	4.36E-03	4.91E-03	4.91E-03	8.24E-04	8.24E-04	3.60E-04	3.60E-04
4577	440752.4	3768653	4.30E-03	4.30E-03	4.85E-03	4.85E-03	8.13E-04	8.13E-04	3.56E-04	3.56E-04
4578	440752.4	3768663	4.24E-03	4.24E-03	4.78E-03	4.78E-03	8.01E-04	8.01E-04	3.51E-04	3.51E-04
4579	440752.4	3768673	4.18E-03	4.18E-03	4.71E-03	4.71E-03	7.90E-04	7.90E-04	3.45E-04	3.45E-04
4580	440752.5	3768683	4.11E-03	4.11E-03	4.64E-03	4.64E-03	7.78E-04	7.78E-04	3.40E-04	3.40E-04
4581	440752.5	3768693	4.05E-03	4.05E-03	4.56E-03	4.56E-03	7.65E-04	7.65E-04	3.35E-04	3.35E-04
4582	440752.5	3768703	3.98E-03	3.98E-03	4.48E-03	4.48E-03	7.52E-04	7.52E-04	3.29E-04	3.29E-04
4583	440752.6	3768713	3.91E-03	3.91E-03	4.40E-03	4.40E-03	7.39E-04	7.39E-04	3.23E-04	3.23E-04
4584	440752.6	3768723	3.84E-03	3.84E-03	4.32E-03	4.32E-03	7.25E-04	7.25E-04	3.17E-04	3.17E-04
4585	440752.6	3768733	3.76E-03	3.76E-03	4.24E-03	4.24E-03	7.11E-04	7.11E-04	3.11E-04	3.11E-04
4586	440752.7	3768743	3.69E-03	3.69E-03	4.16E-03	4.16E-03	6.98E-04	6.98E-04	3.05E-04	3.05E-04
4587	440752.7	3768753	3.62E-03	3.62E-03	4.08E-03	4.08E-03	6.84E-04	6.84E-04	2.99E-04	2.99E-04
4588	440752.8	3768783	3.40E-03	3.40E-03	3.83E-03	3.83E-03	6.42E-04	6.42E-04	2.81E-04	2.81E-04
4589	440752.8	3768793	3.33E-03	3.33E-03	3.75E-03	3.75E-03	6.29E-04	6.29E-04	2.75E-04	2.75E-04
4590	440719.8	3768595	4.21E-03	4.21E-03	4.75E-03	4.75E-03	7.97E-04	7.97E-04	3.48E-04	3.48E-04
4591	440723.6	3768586	4.30E-03	4.30E-03	4.85E-03	4.85E-03	8.13E-04	8.13E-04	3.56E-04	3.56E-04
4592	440727.4	3768577	4.39E-03	4.39E-03	4.95E-03	4.95E-03	8.29E-04	8.29E-04	3.63E-04	3.63E-04
4593	440731.2	3768568	4.47E-03	4.47E-03	5.04E-03	5.04E-03	8.44E-04	8.44E-04	3.69E-04	3.69E-04
4594	440734.9	3768559	4.55E-03	4.55E-03	5.13E-03	5.13E-03	8.60E-04	8.60E-04	3.76E-04	3.76E-04
4595	440712.3	3768633	3.89E-03	3.89E-03	4.38E-03	4.38E-03	7.35E-04	7.35E-04	3.21E-04	3.21E-04
4596	440712.4	3768643	3.85E-03	3.85E-03	4.33E-03	4.33E-03	7.27E-04	7.27E-04	3.18E-04	3.18E-04

4597	440712.4	3768653	3.80E-03	3.80E-03	4.28E-03	4.28E-03	7.18E-04	7.18E-04	3.14E-04	3.14E-04
4598	440712.4	3768663	3.75E-03	3.75E-03	4.23E-03	4.23E-03	7.09E-04	7.09E-04	3.10E-04	3.10E-04
4599	440712.4	3768673	3.70E-03	3.70E-03	4.17E-03	4.17E-03	6.99E-04	6.99E-04	3.06E-04	3.06E-04
4600	440712.5	3768683	3.65E-03	3.65E-03	4.11E-03	4.11E-03	6.90E-04	6.90E-04	3.02E-04	3.02E-04
4601	440712.5	3768693	3.61E-03	3.61E-03	4.07E-03	4.07E-03	6.83E-04	6.83E-04	2.99E-04	2.99E-04
4602	440712.5	3768703	3.56E-03	3.56E-03	4.01E-03	4.01E-03	6.72E-04	6.72E-04	2.94E-04	2.94E-04
4603	440712.6	3768713	3.50E-03	3.50E-03	3.94E-03	3.94E-03	6.61E-04	6.61E-04	2.89E-04	2.89E-04
4604	440712.6	3768723	3.44E-03	3.44E-03	3.87E-03	3.87E-03	6.50E-04	6.50E-04	2.84E-04	2.84E-04
4605	440712.6	3768733	3.38E-03	3.38E-03	3.81E-03	3.81E-03	6.39E-04	6.39E-04	2.79E-04	2.79E-04
4606	440712.7	3768743	3.32E-03	3.32E-03	3.74E-03	3.74E-03	6.27E-04	6.27E-04	2.74E-04	2.74E-04
4607	440712.7	3768753	3.26E-03	3.26E-03	3.67E-03	3.67E-03	6.16E-04	6.16E-04	2.69E-04	2.69E-04
4608	440712.8	3768783	3.08E-03	3.08E-03	3.47E-03	3.47E-03	5.82E-04	5.82E-04	2.54E-04	2.54E-04
4609	440712.8	3768793	3.02E-03	3.02E-03	3.40E-03	3.40E-03	5.70E-04	5.70E-04	2.49E-04	2.49E-04
4610	440679.8	3768595	3.78E-03	3.78E-03	4.26E-03	4.26E-03	7.14E-04	7.14E-04	3.12E-04	3.12E-04
4611	440683.6	3768586	3.85E-03	3.85E-03	4.34E-03	4.34E-03	7.28E-04	7.28E-04	3.19E-04	3.19E-04
4612	440687.4	3768577	3.93E-03	3.93E-03	4.42E-03	4.42E-03	7.42E-04	7.42E-04	3.25E-04	3.25E-04
4613	440691.2	3768568	3.99E-03	3.99E-03	4.50E-03	4.50E-03	7.55E-04	7.55E-04	3.30E-04	3.30E-04
4614	440695	3768559	4.06E-03	4.06E-03	4.58E-03	4.58E-03	7.68E-04	7.68E-04	3.36E-04	3.36E-04
4615	440672.3	3768633	3.51E-03	3.51E-03	3.96E-03	3.96E-03	6.64E-04	6.64E-04	2.90E-04	2.90E-04
4616	440672.4	3768643	3.47E-03	3.47E-03	3.91E-03	3.91E-03	6.56E-04	6.56E-04	2.87E-04	2.87E-04
4617	440672.4	3768653	3.43E-03	3.43E-03	3.87E-03	3.87E-03	6.48E-04	6.48E-04	2.84E-04	2.84E-04
4618	440672.4	3768663	3.39E-03	3.39E-03	3.82E-03	3.82E-03	6.40E-04	6.40E-04	2.80E-04	2.80E-04
4619	440672.4	3768673	3.34E-03	3.34E-03	3.76E-03	3.76E-03	6.31E-04	6.31E-04	2.76E-04	2.76E-04
4620	440672.5	3768683	3.31E-03	3.31E-03	3.73E-03	3.73E-03	6.26E-04	6.26E-04	2.74E-04	2.74E-04
4621	440672.5	3768693	3.26E-03	3.26E-03	3.68E-03	3.68E-03	6.16E-04	6.16E-04	2.70E-04	2.70E-04
4622	440672.5	3768703	3.21E-03	3.21E-03	3.62E-03	3.62E-03	6.07E-04	6.07E-04	2.66E-04	2.66E-04
4623	440672.6	3768713	3.16E-03	3.16E-03	3.56E-03	3.56E-03	5.98E-04	5.98E-04	2.61E-04	2.61E-04
4624	440672.6	3768723	3.11E-03	3.11E-03	3.51E-03	3.51E-03	5.88E-04	5.88E-04	2.57E-04	2.57E-04
4625	440672.6	3768733	3.06E-03	3.06E-03	3.45E-03	3.45E-03	5.79E-04	5.79E-04	2.53E-04	2.53E-04
4626	440672.7	3768743	3.01E-03	3.01E-03	3.40E-03	3.40E-03	5.69E-04	5.69E-04	2.49E-04	2.49E-04
4627	440672.7	3768753	2.96E-03	2.96E-03	3.34E-03	3.34E-03	5.60E-04	5.60E-04	2.45E-04	2.45E-04
4628	440672.8	3768783	2.80E-03	2.80E-03	3.16E-03	3.16E-03	5.30E-04	5.30E-04	2.32E-04	2.32E-04
4629	440672.8	3768793	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.20E-04	5.20E-04	2.28E-04	2.28E-04
4630	440639.9	3768595	3.41E-03	3.41E-03	3.84E-03	3.84E-03	6.45E-04	6.45E-04	2.82E-04	2.82E-04
4631	440643.7	3768586	3.47E-03	3.47E-03	3.91E-03	3.91E-03	6.57E-04	6.57E-04	2.87E-04	2.87E-04
4632	440647.5	3768577	3.54E-03	3.54E-03	3.98E-03	3.98E-03	6.68E-04	6.68E-04	2.92E-04	2.92E-04
4633	440651.3	3768568	3.60E-03	3.60E-03	4.05E-03	4.05E-03	6.80E-04	6.80E-04	2.97E-04	2.97E-04
4634	440655	3768559	3.66E-03	3.66E-03	4.12E-03	4.12E-03	6.92E-04	6.92E-04	3.02E-04	3.02E-04
4635	441210	3768011	4.48E-03	4.48E-03	5.05E-03	5.05E-03	8.47E-04	8.47E-04	3.70E-04	3.70E-04
4636	441219.2	3768007	4.40E-03	4.40E-03	4.95E-03	4.95E-03	8.31E-04	8.31E-04	3.63E-04	3.63E-04
4637	441228.4	3768003	4.31E-03	4.31E-03	4.86E-03	4.86E-03	8.14E-04	8.14E-04	3.56E-04	3.56E-04
4638	441237.6	3767999	4.22E-03	4.22E-03	4.76E-03	4.76E-03	7.98E-04	7.98E-04	3.49E-04	3.49E-04
4639	441246.8	3767996	4.13E-03	4.13E-03	4.65E-03	4.65E-03	7.80E-04	7.80E-04	3.41E-04	3.41E-04
4640	440632.3	3768634	3.21E-03	3.21E-03	3.62E-03	3.62E-03	6.07E-04	6.07E-04	2.66E-04	2.66E-04
4641	440632.4	3768644	3.17E-03	3.17E-03	3.58E-03	3.58E-03	6.00E-04	6.00E-04	2.62E-04	2.62E-04
4642	440632.4	3768654	3.14E-03	3.14E-03	3.53E-03	3.53E-03	5.93E-04	5.93E-04	2.59E-04	2.59E-04
4643	440632.4	3768664	3.10E-03	3.10E-03	3.49E-03	3.49E-03	5.85E-04	5.85E-04	2.56E-04	2.56E-04
4644	440632.4	3768674	3.06E-03	3.06E-03	3.44E-03	3.44E-03	5.78E-04	5.78E-04	2.53E-04	2.53E-04
4645	440632.5	3768684	3.01E-03	3.01E-03	3.40E-03	3.40E-03	5.70E-04	5.70E-04	2.49E-04	2.49E-04
4646	440632.5	3768693	2.97E-03	2.97E-03	3.35E-03	3.35E-03	5.62E-04	5.62E-04	2.46E-04	2.46E-04
4647	440632.5	3768703	2.93E-03	2.93E-03	3.30E-03	3.30E-03	5.53E-04	5.53E-04	2.42E-04	2.42E-04
4648	440632.6	3768713	2.88E-03	2.88E-03	3.25E-03	3.25E-03	5.45E-04	5.45E-04	2.38E-04	2.38E-04
4649	440632.6	3768723	2.84E-03	2.84E-03	3.20E-03	3.20E-03	5.37E-04	5.37E-04	2.35E-04	2.35E-04
4650	440632.6	3768733	2.79E-03	2.79E-03	3.15E-03	3.15E-03	5.28E-04	5.28E-04	2.31E-04	2.31E-04
4651	440632.7	3768743	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.20E-04	5.20E-04	2.27E-04	2.27E-04
4652	440632.7	3768753	2.70E-03	2.70E-03	3.05E-03	3.05E-03	5.11E-04	5.11E-04	2.24E-04	2.24E-04
4653	440632.8	3768783	2.57E-03	2.57E-03	2.89E-03	2.89E-03	4.85E-04	4.85E-04	2.12E-04	2.12E-04
4654	440632.8	3768793	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
4655	440615.1	3768559	3.31E-03	3.31E-03	3.73E-03	3.73E-03	6.26E-04	6.26E-04	2.74E-04	2.74E-04
4656	441200.9	3767974	4.05E-03	4.05E-03	4.57E-03	4.57E-03	7.66E-04	7.66E-04	3.35E-04	3.35E-04
4657	441210.1	3767971	3.98E-03	3.98E-03	4.48E-03	4.48E-03	7.52E-04	7.52E-04	3.29E-04	3.29E-04
4658	441219.3	3767967	3.90E-03	3.90E-03	4.40E-03	4.40E-03	7.37E-04	7.37E-04	3.23E-04	3.23E-04
4659	441228.6	3767963	3.82E-03	3.82E-03	4.31E-03	4.31E-03	7.23E-04	7.23E-04	3.16E-04	3.16E-04
4660	441237.8	3767959	3.75E-03	3.75E-03	4.22E-03	4.22E-03	7.08E-04	7.08E-04	3.10E-04	3.10E-04
4661	441247	3767956	3.67E-03	3.67E-03	4.13E-03	4.13E-03	6.93E-04	6.93E-04	3.03E-04	3.03E-04
4662	440592.3	3768634	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.52E-04	5.52E-04	2.41E-04	2.41E-04
4663	440592.4	3768644	2.89E-03	2.89E-03	3.25E-03	3.25E-03	5.45E-04	5.45E-04	2.39E-04	2.39E-04
4664	440559.9	3768595	2.83E-03	2.83E-03	3.19E-03	3.19E-03	5.34E-04	5.34E-04	2.34E-04	2.34E-04
4665	440563.7	3768586	2.88E-03	2.88E-03	3.24E-03	3.24E-03	5.44E-04	5.44E-04	2.38E-04	2.38E-04
4666	440567.5	3768577	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.53E-04	5.53E-04	2.42E-04	2.42E-04
4667	440571.3	3768568	2.97E-03	2.97E-03	3.35E-03	3.35E-03	5.62E-04	5.62E-04	2.46E-04	2.46E-04
4668	440575.1	3768559	3.02E-03	3.02E-03	3.40E-03	3.40E-03	5.70E-04	5.70E-04	2.49E-04	2.49E-04
4669	441191.8	3767938	3.69E-03	3.69E-03	4.16E-03	4.16E-03	6.98E-04	6.98E-04	3.05E-04	3.05E-04

4670	441201.1	3767934	3.63E-03	3.63E-03	4.09E-03	4.09E-03	6.87E-04	6.87E-04	3.00E-04	3.00E-04
4671	441210.3	3767931	3.57E-03	3.57E-03	4.03E-03	4.03E-03	6.75E-04	6.75E-04	2.95E-04	2.95E-04
4672	441219.5	3767927	3.50E-03	3.50E-03	3.94E-03	3.94E-03	6.61E-04	6.61E-04	2.89E-04	2.89E-04
4673	441228.7	3767923	3.43E-03	3.43E-03	3.86E-03	3.86E-03	6.48E-04	6.48E-04	2.83E-04	2.83E-04
4674	441238	3767919	3.36E-03	3.36E-03	3.78E-03	3.78E-03	6.34E-04	6.34E-04	2.77E-04	2.77E-04
4675	441247.2	3767916	3.29E-03	3.29E-03	3.71E-03	3.71E-03	6.22E-04	6.22E-04	2.72E-04	2.72E-04
4676	440552.3	3768634	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.05E-04	5.05E-04	2.21E-04	2.21E-04
4677	440519.8	3768596	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.90E-04	4.90E-04	2.14E-04	2.14E-04
4678	440523.5	3768587	2.63E-03	2.63E-03	2.97E-03	2.97E-03	4.98E-04	4.98E-04	2.18E-04	2.18E-04
4679	440527.3	3768578	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.06E-04	5.06E-04	2.21E-04	2.21E-04
4680	440531	3768569	2.72E-03	2.72E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.25E-04	2.25E-04
4681	441193.1	3767898	3.32E-03	3.32E-03	3.75E-03	3.75E-03	6.28E-04	6.28E-04	2.75E-04	2.75E-04
4682	441202.2	3767894	3.27E-03	3.27E-03	3.69E-03	3.69E-03	6.19E-04	6.19E-04	2.71E-04	2.71E-04
4683	441211.3	3767890	3.22E-03	3.22E-03	3.63E-03	3.63E-03	6.08E-04	6.08E-04	2.66E-04	2.66E-04
4684	441220.3	3767887	3.16E-03	3.16E-03	3.56E-03	3.56E-03	5.97E-04	5.97E-04	2.61E-04	2.61E-04
4685	441229.4	3767883	3.10E-03	3.10E-03	3.50E-03	3.50E-03	5.87E-04	5.87E-04	2.57E-04	2.57E-04
4686	441238.5	3767879	3.05E-03	3.05E-03	3.44E-03	3.44E-03	5.77E-04	5.77E-04	2.52E-04	2.52E-04
4687	441247.6	3767876	3.00E-03	3.00E-03	3.38E-03	3.38E-03	5.67E-04	5.67E-04	2.48E-04	2.48E-04
4688	440512.3	3768634	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.64E-04	4.64E-04	2.03E-04	2.03E-04
4689	440476	3768605	2.35E-03	2.35E-03	2.65E-03	2.65E-03	4.44E-04	4.44E-04	1.94E-04	1.94E-04
4690	440479.8	3768596	2.39E-03	2.39E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
4691	440483.5	3768587	2.42E-03	2.42E-03	2.73E-03	2.73E-03	4.58E-04	4.58E-04	2.00E-04	2.00E-04
4692	440487.3	3768578	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.65E-04	4.65E-04	2.03E-04	2.03E-04
4693	440491.1	3768569	2.50E-03	2.50E-03	2.82E-03	2.82E-03	4.72E-04	4.72E-04	2.07E-04	2.07E-04
4694	441193.2	3767858	3.02E-03	3.02E-03	3.41E-03	3.41E-03	5.72E-04	5.72E-04	2.50E-04	2.50E-04
4695	441202.3	3767854	2.99E-03	2.99E-03	3.37E-03	3.37E-03	5.65E-04	5.65E-04	2.47E-04	2.47E-04
4696	441211.4	3767850	2.95E-03	2.95E-03	3.33E-03	3.33E-03	5.58E-04	5.58E-04	2.44E-04	2.44E-04
4697	441220.5	3767847	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.49E-04	5.49E-04	2.40E-04	2.40E-04
4698	441229.6	3767843	2.85E-03	2.85E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04
4699	441238.7	3767839	2.81E-03	2.81E-03	3.16E-03	3.16E-03	5.30E-04	5.30E-04	2.32E-04	2.32E-04
4700	441247.8	3767836	2.76E-03	2.76E-03	3.11E-03	3.11E-03	5.21E-04	5.21E-04	2.28E-04	2.28E-04
4701	440472.3	3768614	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.37E-04	4.37E-04	1.91E-04	1.91E-04
4702	440472.3	3768624	2.29E-03	2.29E-03	2.58E-03	2.58E-03	4.33E-04	4.33E-04	1.89E-04	1.89E-04
4703	440472.3	3768634	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.29E-04	4.29E-04	1.87E-04	1.87E-04
4704	440436	3768605	2.17E-03	2.17E-03	2.45E-03	2.45E-03	4.10E-04	4.10E-04	1.79E-04	1.79E-04
4705	440439.8	3768596	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.16E-04	4.16E-04	1.82E-04	1.82E-04
4706	440443.6	3768587	2.24E-03	2.24E-03	2.52E-03	2.52E-03	4.23E-04	4.23E-04	1.85E-04	1.85E-04
4707	440447.3	3768578	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.29E-04	4.29E-04	1.88E-04	1.88E-04
4708	440451.1	3768569	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.35E-04	4.35E-04	1.90E-04	1.90E-04
4709	440473.7	3768514	2.50E-03	2.50E-03	2.81E-03	2.81E-03	4.72E-04	4.72E-04	2.06E-04	2.06E-04
4710	440477.5	3768505	2.53E-03	2.53E-03	2.85E-03	2.85E-03	4.78E-04	4.78E-04	2.09E-04	2.09E-04
4711	440481.2	3768496	2.56E-03	2.56E-03	2.88E-03	2.88E-03	4.83E-04	4.83E-04	2.11E-04	2.11E-04
4712	440485	3768487	2.59E-03	2.59E-03	2.91E-03	2.91E-03	4.89E-04	4.89E-04	2.14E-04	2.14E-04
4713	440488.8	3768478	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.94E-04	4.94E-04	2.16E-04	2.16E-04
4714	440492.5	3768468	2.65E-03	2.65E-03	2.98E-03	2.98E-03	5.00E-04	5.00E-04	2.19E-04	2.19E-04
4715	440515.1	3768414	2.83E-03	2.83E-03	3.19E-03	3.19E-03	5.36E-04	5.36E-04	2.34E-04	2.34E-04
4716	440518.9	3768405	2.86E-03	2.86E-03	3.23E-03	3.23E-03	5.41E-04	5.41E-04	2.37E-04	2.37E-04
4717	440522.7	3768396	2.89E-03	2.89E-03	3.26E-03	3.26E-03	5.46E-04	5.46E-04	2.39E-04	2.39E-04
4718	440526.4	3768386	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.52E-04	5.52E-04	2.41E-04	2.41E-04
4719	440530.2	3768377	2.95E-03	2.95E-03	3.32E-03	3.32E-03	5.57E-04	5.57E-04	2.44E-04	2.44E-04
4720	440534	3768368	2.98E-03	2.98E-03	3.35E-03	3.35E-03	5.63E-04	5.63E-04	2.46E-04	2.46E-04
4721	440537.7	3768359	3.00E-03	3.00E-03	3.39E-03	3.39E-03	5.68E-04	5.68E-04	2.48E-04	2.48E-04
4722	440541.5	3768350	3.03E-03	3.03E-03	3.42E-03	3.42E-03	5.73E-04	5.73E-04	2.51E-04	2.51E-04
4723	440545.2	3768341	3.06E-03	3.06E-03	3.45E-03	3.45E-03	5.78E-04	5.78E-04	2.53E-04	2.53E-04
4724	440549	3768332	3.09E-03	3.09E-03	3.48E-03	3.48E-03	5.84E-04	5.84E-04	2.55E-04	2.55E-04
4725	440552.8	3768323	3.12E-03	3.12E-03	3.51E-03	3.51E-03	5.89E-04	5.89E-04	2.58E-04	2.58E-04
4726	440556.5	3768314	3.14E-03	3.14E-03	3.54E-03	3.54E-03	5.94E-04	5.94E-04	2.60E-04	2.60E-04
4727	440560.3	3768304	3.17E-03	3.17E-03	3.57E-03	3.57E-03	5.99E-04	5.99E-04	2.62E-04	2.62E-04
4728	440564.1	3768295	3.20E-03	3.20E-03	3.60E-03	3.60E-03	6.04E-04	6.04E-04	2.64E-04	2.64E-04
4729	440567.8	3768286	3.22E-03	3.22E-03	3.63E-03	3.63E-03	6.09E-04	6.09E-04	2.66E-04	2.66E-04
4730	440571.6	3768277	3.24E-03	3.24E-03	3.66E-03	3.66E-03	6.13E-04	6.13E-04	2.68E-04	2.68E-04
4731	440575.4	3768268	3.27E-03	3.27E-03	3.68E-03	3.68E-03	6.17E-04	6.17E-04	2.70E-04	2.70E-04
4732	441156.8	3767833	2.95E-03	2.95E-03	3.33E-03	3.33E-03	5.58E-04	5.58E-04	2.44E-04	2.44E-04
4733	441165.9	3767829	2.91E-03	2.91E-03	3.28E-03	3.28E-03	5.50E-04	5.50E-04	2.41E-04	2.41E-04
4734	441193.3	3767818	2.79E-03	2.79E-03	3.15E-03	3.15E-03	5.28E-04	5.28E-04	2.31E-04	2.31E-04
4735	441202.4	3767814	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.20E-04	5.20E-04	2.28E-04	2.28E-04
4736	441211.5	3767810	2.71E-03	2.71E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
4737	441220.7	3767807	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.04E-04	5.04E-04	2.21E-04	2.21E-04
4738	441229.8	3767803	2.62E-03	2.62E-03	2.96E-03	2.96E-03	4.96E-04	4.96E-04	2.17E-04	2.17E-04
4739	441238.9	3767799	2.58E-03	2.58E-03	2.91E-03	2.91E-03	4.88E-04	4.88E-04	2.13E-04	2.13E-04
4740	441248	3767796	2.53E-03	2.53E-03	2.86E-03	2.86E-03	4.79E-04	4.79E-04	2.09E-04	2.09E-04
4741	440432.3	3768614	2.14E-03	2.14E-03	2.41E-03	2.41E-03	4.04E-04	4.04E-04	1.77E-04	1.77E-04
4742	440432.3	3768624	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.00E-04	4.00E-04	1.75E-04	1.75E-04

4743	440432.3	3768634	2.10E-03	2.10E-03	2.36E-03	2.36E-03	3.96E-04	3.96E-04	1.73E-04	1.73E-04
4744	440396	3768605	2.02E-03	2.02E-03	2.27E-03	2.27E-03	3.81E-04	3.81E-04	1.67E-04	1.67E-04
4745	440399.8	3768596	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.86E-04	3.86E-04	1.69E-04	1.69E-04
4746	440403.6	3768587	2.07E-03	2.07E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.71E-04	1.71E-04
4747	440407.4	3768578	2.10E-03	2.10E-03	2.37E-03	2.37E-03	3.98E-04	3.98E-04	1.74E-04	1.74E-04
4748	440411.1	3768569	2.13E-03	2.13E-03	2.40E-03	2.40E-03	4.03E-04	4.03E-04	1.76E-04	1.76E-04
4749	440414.9	3768560	2.16E-03	2.16E-03	2.44E-03	2.44E-03	4.09E-04	4.09E-04	1.79E-04	1.79E-04
4750	440418.7	3768550	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.14E-04	4.14E-04	1.81E-04	1.81E-04
4751	440422.5	3768541	2.22E-03	2.22E-03	2.50E-03	2.50E-03	4.20E-04	4.20E-04	1.84E-04	1.84E-04
4752	440433.8	3768514	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.37E-04	4.37E-04	1.91E-04	1.91E-04
4753	440437.5	3768505	2.34E-03	2.34E-03	2.64E-03	2.64E-03	4.42E-04	4.42E-04	1.93E-04	1.93E-04
4754	440441.3	3768496	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.47E-04	4.47E-04	1.96E-04	1.96E-04
4755	440445.1	3768487	2.39E-03	2.39E-03	2.70E-03	2.70E-03	4.52E-04	4.52E-04	1.98E-04	1.98E-04
4756	440448.9	3768477	2.42E-03	2.42E-03	2.73E-03	2.73E-03	4.58E-04	4.58E-04	2.00E-04	2.00E-04
4757	440452.6	3768468	2.45E-03	2.45E-03	2.76E-03	2.76E-03	4.63E-04	4.63E-04	2.02E-04	2.02E-04
4758	440475.3	3768414	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.16E-04	2.16E-04
4759	440479	3768404	2.64E-03	2.64E-03	2.98E-03	2.98E-03	5.00E-04	5.00E-04	2.19E-04	2.19E-04
4760	440482.8	3768395	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.05E-04	5.05E-04	2.21E-04	2.21E-04
4761	440486.6	3768386	2.70E-03	2.70E-03	3.04E-03	3.04E-03	5.09E-04	5.09E-04	2.23E-04	2.23E-04
4762	440490.4	3768377	2.72E-03	2.72E-03	3.07E-03	3.07E-03	5.14E-04	5.14E-04	2.25E-04	2.25E-04
4763	440494.1	3768368	2.75E-03	2.75E-03	3.09E-03	3.09E-03	5.19E-04	5.19E-04	2.27E-04	2.27E-04
4764	440497.9	3768359	2.77E-03	2.77E-03	3.12E-03	3.12E-03	5.24E-04	5.24E-04	2.29E-04	2.29E-04
4765	440501.7	3768350	2.80E-03	2.80E-03	3.15E-03	3.15E-03	5.29E-04	5.29E-04	2.31E-04	2.31E-04
4766	440505.5	3768341	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.34E-04	5.34E-04	2.33E-04	2.33E-04
4767	440509.2	3768331	2.85E-03	2.85E-03	3.21E-03	3.21E-03	5.39E-04	5.39E-04	2.36E-04	2.36E-04
4768	440513	3768322	2.88E-03	2.88E-03	3.24E-03	3.24E-03	5.44E-04	5.44E-04	2.38E-04	2.38E-04
4769	440516.8	3768313	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.49E-04	5.49E-04	2.40E-04	2.40E-04
4770	440520.5	3768304	2.93E-03	2.93E-03	3.30E-03	3.30E-03	5.54E-04	5.54E-04	2.42E-04	2.42E-04
4771	440524.3	3768295	2.96E-03	2.96E-03	3.33E-03	3.33E-03	5.59E-04	5.59E-04	2.44E-04	2.44E-04
4772	440528.1	3768286	2.98E-03	2.98E-03	3.36E-03	3.36E-03	5.63E-04	5.63E-04	2.46E-04	2.46E-04
4773	440531.9	3768277	3.00E-03	3.00E-03	3.38E-03	3.38E-03	5.67E-04	5.67E-04	2.48E-04	2.48E-04
4774	440535.6	3768267	3.02E-03	3.02E-03	3.41E-03	3.41E-03	5.71E-04	5.71E-04	2.50E-04	2.50E-04
4775	440539.4	3768258	3.04E-03	3.04E-03	3.43E-03	3.43E-03	5.75E-04	5.75E-04	2.52E-04	2.52E-04
4776	440543.2	3768249	3.06E-03	3.06E-03	3.45E-03	3.45E-03	5.79E-04	5.79E-04	2.53E-04	2.53E-04
4777	440547	3768240	3.09E-03	3.09E-03	3.48E-03	3.48E-03	5.83E-04	5.83E-04	2.55E-04	2.55E-04
4778	440550.7	3768231	3.10E-03	3.10E-03	3.49E-03	3.49E-03	5.86E-04	5.86E-04	2.56E-04	2.56E-04
4779	440554.5	3768222	3.12E-03	3.12E-03	3.51E-03	3.51E-03	5.89E-04	5.89E-04	2.58E-04	2.58E-04
4780	440558.3	3768213	3.13E-03	3.13E-03	3.53E-03	3.53E-03	5.92E-04	5.92E-04	2.59E-04	2.59E-04
4781	440562	3768204	3.15E-03	3.15E-03	3.55E-03	3.55E-03	5.95E-04	5.95E-04	2.60E-04	2.60E-04
4782	440565.8	3768194	3.17E-03	3.17E-03	3.57E-03	3.57E-03	5.99E-04	5.99E-04	2.62E-04	2.62E-04
4783	440569.6	3768185	3.18E-03	3.18E-03	3.59E-03	3.59E-03	6.02E-04	6.02E-04	2.63E-04	2.63E-04
4784	440573.4	3768176	3.20E-03	3.20E-03	3.61E-03	3.61E-03	6.05E-04	6.05E-04	2.65E-04	2.65E-04
4785	440699.9	3767980	3.47E-03	3.47E-03	3.91E-03	3.91E-03	6.55E-04	6.55E-04	2.87E-04	2.87E-04
4786	440709	3767977	3.49E-03	3.49E-03	3.93E-03	3.93E-03	6.59E-04	6.59E-04	2.88E-04	2.88E-04
4787	440718.2	3767973	3.51E-03	3.51E-03	3.96E-03	3.96E-03	6.64E-04	6.64E-04	2.90E-04	2.90E-04
4788	440727.3	3767969	3.53E-03	3.53E-03	3.98E-03	3.98E-03	6.67E-04	6.67E-04	2.92E-04	2.92E-04
4789	440736.4	3767965	3.55E-03	3.55E-03	4.00E-03	4.00E-03	6.71E-04	6.71E-04	2.93E-04	2.93E-04
4790	440763.9	3767954	3.61E-03	3.61E-03	4.07E-03	4.07E-03	6.82E-04	6.82E-04	2.98E-04	2.98E-04
4791	440773	3767950	3.63E-03	3.63E-03	4.09E-03	4.09E-03	6.85E-04	6.85E-04	3.00E-04	3.00E-04
4792	440837	3767924	3.67E-03	3.67E-03	4.13E-03	4.13E-03	6.93E-04	6.93E-04	3.03E-04	3.03E-04
4793	440846.1	3767920	3.67E-03	3.67E-03	4.13E-03	4.13E-03	6.93E-04	6.93E-04	3.03E-04	3.03E-04
4794	440855.3	3767917	3.67E-03	3.67E-03	4.13E-03	4.13E-03	6.93E-04	6.93E-04	3.03E-04	3.03E-04
4795	440864.4	3767913	3.66E-03	3.66E-03	4.13E-03	4.13E-03	6.92E-04	6.92E-04	3.03E-04	3.03E-04
4796	440873.5	3767909	3.66E-03	3.66E-03	4.12E-03	4.12E-03	6.91E-04	6.91E-04	3.02E-04	3.02E-04
4797	440882.7	3767905	3.65E-03	3.65E-03	4.11E-03	4.11E-03	6.89E-04	6.89E-04	3.01E-04	3.01E-04
4798	440891.8	3767902	3.64E-03	3.64E-03	4.10E-03	4.10E-03	6.88E-04	6.88E-04	3.01E-04	3.01E-04
4799	440901	3767898	3.63E-03	3.63E-03	4.09E-03	4.09E-03	6.85E-04	6.85E-04	3.00E-04	3.00E-04
4800	440910.1	3767894	3.62E-03	3.62E-03	4.07E-03	4.07E-03	6.83E-04	6.83E-04	2.99E-04	2.99E-04
4801	440928.4	3767887	3.59E-03	3.59E-03	4.04E-03	4.04E-03	6.78E-04	6.78E-04	2.96E-04	2.96E-04
4802	440937.5	3767883	3.57E-03	3.57E-03	4.02E-03	4.02E-03	6.74E-04	6.74E-04	2.95E-04	2.95E-04
4803	440946.7	3767879	3.54E-03	3.54E-03	3.99E-03	3.99E-03	6.69E-04	6.69E-04	2.93E-04	2.93E-04
4804	440955.8	3767875	3.51E-03	3.51E-03	3.96E-03	3.96E-03	6.64E-04	6.64E-04	2.90E-04	2.90E-04
4805	440964.9	3767872	3.49E-03	3.49E-03	3.93E-03	3.93E-03	6.59E-04	6.59E-04	2.88E-04	2.88E-04
4806	440974.1	3767868	3.46E-03	3.46E-03	3.90E-03	3.90E-03	6.54E-04	6.54E-04	2.86E-04	2.86E-04
4807	441001.5	3767857	3.37E-03	3.37E-03	3.80E-03	3.80E-03	6.37E-04	6.37E-04	2.79E-04	2.79E-04
4808	441010.6	3767853	3.34E-03	3.34E-03	3.76E-03	3.76E-03	6.30E-04	6.30E-04	2.76E-04	2.76E-04
4809	441019.8	3767849	3.30E-03	3.30E-03	3.72E-03	3.72E-03	6.23E-04	6.23E-04	2.73E-04	2.73E-04
4810	441028.9	3767845	3.26E-03	3.26E-03	3.67E-03	3.67E-03	6.16E-04	6.16E-04	2.69E-04	2.69E-04
4811	441038	3767842	3.23E-03	3.23E-03	3.64E-03	3.64E-03	6.10E-04	6.10E-04	2.67E-04	2.67E-04
4812	441047.2	3767838	3.19E-03	3.19E-03	3.59E-03	3.59E-03	6.03E-04	6.03E-04	2.64E-04	2.64E-04
4813	441056.3	3767834	3.15E-03	3.15E-03	3.55E-03	3.55E-03	5.96E-04	5.96E-04	2.61E-04	2.61E-04
4814	441065.5	3767830	3.12E-03	3.12E-03	3.52E-03	3.52E-03	5.90E-04	5.90E-04	2.58E-04	2.58E-04
4815	441074.6	3767827	3.09E-03	3.09E-03	3.48E-03	3.48E-03	5.83E-04	5.83E-04	2.55E-04	2.55E-04

4816	441083.7	3767823	3.05E-03	3.05E-03	3.44E-03	3.44E-03	5.77E-04	5.77E-04	2.52E-04	2.52E-04
4817	441092.9	3767819	3.02E-03	3.02E-03	3.40E-03	3.40E-03	5.70E-04	5.70E-04	2.49E-04	2.49E-04
4818	441102	3767815	2.98E-03	2.98E-03	3.35E-03	3.35E-03	5.63E-04	5.63E-04	2.46E-04	2.46E-04
4819	441111.2	3767812	2.94E-03	2.94E-03	3.31E-03	3.31E-03	5.55E-04	5.55E-04	2.43E-04	2.43E-04
4820	441120.3	3767808	2.90E-03	2.90E-03	3.26E-03	3.26E-03	5.47E-04	5.47E-04	2.39E-04	2.39E-04
4821	441129.4	3767804	2.86E-03	2.86E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04
4822	441138.6	3767800	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.33E-04	5.33E-04	2.33E-04	2.33E-04
4823	441147.7	3767797	2.78E-03	2.78E-03	3.14E-03	3.14E-03	5.26E-04	5.26E-04	2.30E-04	2.30E-04
4824	441156.9	3767793	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.19E-04	5.19E-04	2.27E-04	2.27E-04
4825	441166	3767789	2.71E-03	2.71E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
4826	441193.4	3767778	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.90E-04	4.90E-04	2.14E-04	2.14E-04
4827	441202.6	3767774	2.55E-03	2.55E-03	2.87E-03	2.87E-03	4.82E-04	4.82E-04	2.11E-04	2.11E-04
4828	441211.7	3767771	2.51E-03	2.51E-03	2.82E-03	2.82E-03	4.74E-04	4.74E-04	2.07E-04	2.07E-04
4829	441220.8	3767767	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.65E-04	4.65E-04	2.03E-04	2.03E-04
4830	441230	3767763	2.41E-03	2.41E-03	2.72E-03	2.72E-03	4.56E-04	4.56E-04	2.00E-04	2.00E-04
4831	441239.1	3767759	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.48E-04	4.48E-04	1.96E-04	1.96E-04
4832	441248.3	3767756	2.32E-03	2.32E-03	2.62E-03	2.62E-03	4.39E-04	4.39E-04	1.92E-04	1.92E-04
4833	440392.3	3768614	1.99E-03	1.99E-03	2.24E-03	2.24E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04
4834	440392.3	3768624	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.72E-04	3.72E-04	1.63E-04	1.63E-04
4835	440392.3	3768634	1.95E-03	1.95E-03	2.20E-03	2.20E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
4836	440356	3768605	1.88E-03	1.88E-03	2.12E-03	2.12E-03	3.55E-04	3.55E-04	1.55E-04	1.55E-04
4837	440359.8	3768596	1.90E-03	1.90E-03	2.15E-03	2.15E-03	3.60E-04	3.60E-04	1.57E-04	1.57E-04
4838	440363.6	3768587	1.93E-03	1.93E-03	2.18E-03	2.18E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
4839	440367.4	3768578	1.96E-03	1.96E-03	2.21E-03	2.21E-03	3.70E-04	3.70E-04	1.62E-04	1.62E-04
4840	440390.1	3768523	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.00E-04	4.00E-04	1.75E-04	1.75E-04
4841	440393.8	3768514	2.14E-03	2.14E-03	2.42E-03	2.42E-03	4.05E-04	4.05E-04	1.77E-04	1.77E-04
4842	440397.6	3768505	2.17E-03	2.17E-03	2.44E-03	2.44E-03	4.10E-04	4.10E-04	1.79E-04	1.79E-04
4843	440401.4	3768496	2.20E-03	2.20E-03	2.47E-03	2.47E-03	4.15E-04	4.15E-04	1.81E-04	1.81E-04
4844	440405.2	3768486	2.22E-03	2.22E-03	2.50E-03	2.50E-03	4.20E-04	4.20E-04	1.84E-04	1.84E-04
4845	440409	3768477	2.25E-03	2.25E-03	2.53E-03	2.53E-03	4.24E-04	4.24E-04	1.86E-04	1.86E-04
4846	440412.7	3768468	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.29E-04	4.29E-04	1.88E-04	1.88E-04
4847	440435.4	3768413	2.42E-03	2.42E-03	2.73E-03	2.73E-03	4.57E-04	4.57E-04	2.00E-04	2.00E-04
4848	440439.2	3768404	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.62E-04	4.62E-04	2.02E-04	2.02E-04
4849	440443	3768395	2.47E-03	2.47E-03	2.78E-03	2.78E-03	4.67E-04	4.67E-04	2.04E-04	2.04E-04
4850	440446.7	3768386	2.49E-03	2.49E-03	2.81E-03	2.81E-03	4.71E-04	4.71E-04	2.06E-04	2.06E-04
4851	440450.5	3768377	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
4852	440454.3	3768368	2.54E-03	2.54E-03	2.87E-03	2.87E-03	4.81E-04	4.81E-04	2.10E-04	2.10E-04
4853	440458.1	3768358	2.57E-03	2.57E-03	2.89E-03	2.89E-03	4.85E-04	4.85E-04	2.12E-04	2.12E-04
4854	440461.9	3768349	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.89E-04	4.89E-04	2.14E-04	2.14E-04
4855	440465.6	3768340	2.61E-03	2.61E-03	2.94E-03	2.94E-03	4.93E-04	4.93E-04	2.16E-04	2.16E-04
4856	440469.4	3768331	2.63E-03	2.63E-03	2.97E-03	2.97E-03	4.97E-04	4.97E-04	2.18E-04	2.18E-04
4857	440473.2	3768322	2.66E-03	2.66E-03	2.99E-03	2.99E-03	5.02E-04	5.02E-04	2.20E-04	2.20E-04
4858	440477	3768313	2.68E-03	2.68E-03	3.02E-03	3.02E-03	5.06E-04	5.06E-04	2.21E-04	2.21E-04
4859	440480.8	3768304	2.70E-03	2.70E-03	3.04E-03	3.04E-03	5.11E-04	5.11E-04	2.23E-04	2.23E-04
4860	440484.5	3768294	2.73E-03	2.73E-03	3.07E-03	3.07E-03	5.15E-04	5.15E-04	2.25E-04	2.25E-04
4861	440488.3	3768285	2.75E-03	2.75E-03	3.10E-03	3.10E-03	5.20E-04	5.20E-04	2.27E-04	2.27E-04
4862	440492.1	3768276	2.78E-03	2.78E-03	3.13E-03	3.13E-03	5.25E-04	5.25E-04	2.29E-04	2.29E-04
4863	440495.9	3768267	2.80E-03	2.80E-03	3.15E-03	3.15E-03	5.29E-04	5.29E-04	2.31E-04	2.31E-04
4864	440499.7	3768258	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.33E-04	5.33E-04	2.33E-04	2.33E-04
4865	440503.4	3768249	2.84E-03	2.84E-03	3.20E-03	3.20E-03	5.36E-04	5.36E-04	2.35E-04	2.35E-04
4866	440507.2	3768240	2.86E-03	2.86E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04
4867	440511	3768230	2.88E-03	2.88E-03	3.24E-03	3.24E-03	5.44E-04	5.44E-04	2.38E-04	2.38E-04
4868	440514.8	3768221	2.89E-03	2.89E-03	3.26E-03	3.26E-03	5.47E-04	5.47E-04	2.39E-04	2.39E-04
4869	440518.6	3768212	2.91E-03	2.91E-03	3.28E-03	3.28E-03	5.50E-04	5.50E-04	2.41E-04	2.41E-04
4870	440522.3	3768203	2.93E-03	2.93E-03	3.30E-03	3.30E-03	5.53E-04	5.53E-04	2.42E-04	2.42E-04
4871	440526.1	3768194	2.94E-03	2.94E-03	3.32E-03	3.32E-03	5.56E-04	5.56E-04	2.43E-04	2.43E-04
4872	440529.9	3768185	2.96E-03	2.96E-03	3.33E-03	3.33E-03	5.59E-04	5.59E-04	2.44E-04	2.44E-04
4873	440533.7	3768176	2.97E-03	2.97E-03	3.35E-03	3.35E-03	5.61E-04	5.61E-04	2.45E-04	2.45E-04
4874	440537.4	3768166	2.98E-03	2.98E-03	3.36E-03	3.36E-03	5.64E-04	5.64E-04	2.47E-04	2.47E-04
4875	440541.2	3768157	2.99E-03	2.99E-03	3.37E-03	3.37E-03	5.66E-04	5.66E-04	2.48E-04	2.48E-04
4876	440545	3768148	3.01E-03	3.01E-03	3.39E-03	3.39E-03	5.68E-04	5.68E-04	2.48E-04	2.48E-04
4877	440548.8	3768139	3.02E-03	3.02E-03	3.40E-03	3.40E-03	5.71E-04	5.71E-04	2.50E-04	2.50E-04
4878	440552.6	3768130	3.03E-03	3.03E-03	3.42E-03	3.42E-03	5.73E-04	5.73E-04	2.51E-04	2.51E-04
4879	440556.3	3768121	3.04E-03	3.04E-03	3.43E-03	3.43E-03	5.75E-04	5.75E-04	2.52E-04	2.52E-04
4880	440560.1	3768112	3.06E-03	3.06E-03	3.44E-03	3.44E-03	5.78E-04	5.78E-04	2.53E-04	2.53E-04
4881	440563.9	3768102	3.07E-03	3.07E-03	3.46E-03	3.46E-03	5.80E-04	5.80E-04	2.54E-04	2.54E-04
4882	440567.7	3768093	3.08E-03	3.08E-03	3.47E-03	3.47E-03	5.82E-04	5.82E-04	2.55E-04	2.55E-04
4883	440571.5	3768084	3.09E-03	3.09E-03	3.48E-03	3.48E-03	5.83E-04	5.83E-04	2.55E-04	2.55E-04
4884	440575.2	3768075	3.09E-03	3.09E-03	3.48E-03	3.48E-03	5.84E-04	5.84E-04	2.56E-04	2.56E-04
4885	440626	3767971	3.08E-03	3.08E-03	3.47E-03	3.47E-03	5.82E-04	5.82E-04	2.55E-04	2.55E-04
4886	440635.1	3767967	3.10E-03	3.10E-03	3.50E-03	3.50E-03	5.86E-04	5.86E-04	2.56E-04	2.56E-04
4887	440644.3	3767963	3.13E-03	3.13E-03	3.53E-03	3.53E-03	5.91E-04	5.91E-04	2.59E-04	2.59E-04
4888	440653.4	3767959	3.16E-03	3.16E-03	3.56E-03	3.56E-03	5.97E-04	5.97E-04	2.61E-04	2.61E-04

4889	440662.6	3767956	3.19E-03	3.19E-03	3.59E-03	3.59E-03	6.03E-04	6.03E-04	2.64E-04	2.64E-04
4890	440671.7	3767952	3.22E-03	3.22E-03	3.63E-03	3.63E-03	6.08E-04	6.08E-04	2.66E-04	2.66E-04
4891	440680.9	3767948	3.24E-03	3.24E-03	3.65E-03	3.65E-03	6.13E-04	6.13E-04	2.68E-04	2.68E-04
4892	440690	3767944	3.26E-03	3.26E-03	3.68E-03	3.68E-03	6.17E-04	6.17E-04	2.70E-04	2.70E-04
4893	440699.2	3767941	3.28E-03	3.28E-03	3.70E-03	3.70E-03	6.20E-04	6.20E-04	2.71E-04	2.71E-04
4894	440708.4	3767937	3.30E-03	3.30E-03	3.72E-03	3.72E-03	6.23E-04	6.23E-04	2.73E-04	2.73E-04
4895	440717.5	3767933	3.31E-03	3.31E-03	3.73E-03	3.73E-03	6.26E-04	6.26E-04	2.74E-04	2.74E-04
4896	440726.7	3767929	3.33E-03	3.33E-03	3.75E-03	3.75E-03	6.29E-04	6.29E-04	2.75E-04	2.75E-04
4897	440735.8	3767926	3.35E-03	3.35E-03	3.77E-03	3.77E-03	6.32E-04	6.32E-04	2.77E-04	2.77E-04
4898	440745	3767922	3.36E-03	3.36E-03	3.79E-03	3.79E-03	6.36E-04	6.36E-04	2.78E-04	2.78E-04
4899	440754.1	3767918	3.38E-03	3.38E-03	3.81E-03	3.81E-03	6.39E-04	6.39E-04	2.80E-04	2.80E-04
4900	440790.7	3767903	3.43E-03	3.43E-03	3.86E-03	3.86E-03	6.48E-04	6.48E-04	2.83E-04	2.83E-04
4901	440799.9	3767899	3.43E-03	3.43E-03	3.87E-03	3.87E-03	6.48E-04	6.48E-04	2.84E-04	2.84E-04
4902	440809.1	3767896	3.43E-03	3.43E-03	3.87E-03	3.87E-03	6.49E-04	6.49E-04	2.84E-04	2.84E-04
4903	440818.2	3767892	3.43E-03	3.43E-03	3.87E-03	3.87E-03	6.48E-04	6.48E-04	2.84E-04	2.84E-04
4904	440827.4	3767888	3.43E-03	3.43E-03	3.86E-03	3.86E-03	6.48E-04	6.48E-04	2.83E-04	2.83E-04
4905	440836.5	3767884	3.43E-03	3.43E-03	3.86E-03	3.86E-03	6.47E-04	6.47E-04	2.83E-04	2.83E-04
4906	440845.7	3767881	3.42E-03	3.42E-03	3.85E-03	3.85E-03	6.46E-04	6.46E-04	2.83E-04	2.83E-04
4907	440854.8	3767877	3.41E-03	3.41E-03	3.84E-03	3.84E-03	6.45E-04	6.45E-04	2.82E-04	2.82E-04
4908	440864	3767873	3.40E-03	3.40E-03	3.83E-03	3.83E-03	6.43E-04	6.43E-04	2.81E-04	2.81E-04
4909	440873.1	3767869	3.39E-03	3.39E-03	3.82E-03	3.82E-03	6.41E-04	6.41E-04	2.80E-04	2.80E-04
4910	440882.3	3767866	3.38E-03	3.38E-03	3.81E-03	3.81E-03	6.39E-04	6.39E-04	2.80E-04	2.80E-04
4911	440891.4	3767862	3.37E-03	3.37E-03	3.80E-03	3.80E-03	6.37E-04	6.37E-04	2.78E-04	2.78E-04
4912	440900.6	3767858	3.35E-03	3.35E-03	3.78E-03	3.78E-03	6.34E-04	6.34E-04	2.77E-04	2.77E-04
4913	440909.8	3767854	3.34E-03	3.34E-03	3.76E-03	3.76E-03	6.30E-04	6.30E-04	2.76E-04	2.76E-04
4914	440918.9	3767851	3.32E-03	3.32E-03	3.74E-03	3.74E-03	6.27E-04	6.27E-04	2.74E-04	2.74E-04
4915	440928.1	3767847	3.30E-03	3.30E-03	3.72E-03	3.72E-03	6.25E-04	6.25E-04	2.73E-04	2.73E-04
4916	440937.2	3767843	3.29E-03	3.29E-03	3.71E-03	3.71E-03	6.22E-04	6.22E-04	2.72E-04	2.72E-04
4917	440946.4	3767839	3.27E-03	3.27E-03	3.69E-03	3.69E-03	6.18E-04	6.18E-04	2.70E-04	2.70E-04
4918	440955.5	3767836	3.25E-03	3.25E-03	3.66E-03	3.66E-03	6.14E-04	6.14E-04	2.69E-04	2.69E-04
4919	440964.7	3767832	3.23E-03	3.23E-03	3.64E-03	3.64E-03	6.10E-04	6.10E-04	2.67E-04	2.67E-04
4920	440973.8	3767828	3.20E-03	3.20E-03	3.61E-03	3.61E-03	6.05E-04	6.05E-04	2.65E-04	2.65E-04
4921	440983	3767824	3.17E-03	3.17E-03	3.57E-03	3.57E-03	5.99E-04	5.99E-04	2.62E-04	2.62E-04
4922	440992.1	3767821	3.14E-03	3.14E-03	3.54E-03	3.54E-03	5.94E-04	5.94E-04	2.60E-04	2.60E-04
4923	441001.3	3767817	3.11E-03	3.11E-03	3.51E-03	3.51E-03	5.88E-04	5.88E-04	2.57E-04	2.57E-04
4924	441010.5	3767813	3.08E-03	3.08E-03	3.47E-03	3.47E-03	5.82E-04	5.82E-04	2.55E-04	2.55E-04
4925	441019.6	3767809	3.04E-03	3.04E-03	3.43E-03	3.43E-03	5.75E-04	5.75E-04	2.52E-04	2.52E-04
4926	441028.8	3767806	3.01E-03	3.01E-03	3.39E-03	3.39E-03	5.68E-04	5.68E-04	2.49E-04	2.49E-04
4927	441037.9	3767802	2.98E-03	2.98E-03	3.35E-03	3.35E-03	5.63E-04	5.63E-04	2.46E-04	2.46E-04
4928	441047.1	3767798	2.95E-03	2.95E-03	3.32E-03	3.32E-03	5.57E-04	5.57E-04	2.44E-04	2.44E-04
4929	441056.2	3767794	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.51E-04	5.51E-04	2.41E-04	2.41E-04
4930	441065.4	3767791	2.89E-03	2.89E-03	3.25E-03	3.25E-03	5.45E-04	5.45E-04	2.39E-04	2.39E-04
4931	441074.5	3767787	2.85E-03	2.85E-03	3.21E-03	3.21E-03	5.39E-04	5.39E-04	2.36E-04	2.36E-04
4932	441083.7	3767783	2.81E-03	2.81E-03	3.17E-03	3.17E-03	5.32E-04	5.32E-04	2.33E-04	2.33E-04
4933	441092.8	3767779	2.77E-03	2.77E-03	3.13E-03	3.13E-03	5.24E-04	5.24E-04	2.29E-04	2.29E-04
4934	441102	3767776	2.74E-03	2.74E-03	3.08E-03	3.08E-03	5.17E-04	5.17E-04	2.26E-04	2.26E-04
4935	441111.2	3767772	2.70E-03	2.70E-03	3.04E-03	3.04E-03	5.10E-04	5.10E-04	2.23E-04	2.23E-04
4936	441120.3	3767768	2.66E-03	2.66E-03	3.00E-03	3.00E-03	5.03E-04	5.03E-04	2.20E-04	2.20E-04
4937	441129.5	3767764	2.63E-03	2.63E-03	2.96E-03	2.96E-03	4.97E-04	4.97E-04	2.17E-04	2.17E-04
4938	441138.6	3767761	2.60E-03	2.60E-03	2.93E-03	2.93E-03	4.91E-04	4.91E-04	2.15E-04	2.15E-04
4939	441147.8	3767757	2.57E-03	2.57E-03	2.89E-03	2.89E-03	4.85E-04	4.85E-04	2.12E-04	2.12E-04
4940	441156.9	3767753	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.80E-04	4.80E-04	2.10E-04	2.10E-04
4941	441193.5	3767738	2.39E-03	2.39E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
4942	441202.7	3767734	2.34E-03	2.34E-03	2.64E-03	2.64E-03	4.43E-04	4.43E-04	1.94E-04	1.94E-04
4943	441211.9	3767731	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.34E-04	4.34E-04	1.90E-04	1.90E-04
4944	441221	3767727	2.25E-03	2.25E-03	2.54E-03	2.54E-03	4.25E-04	4.25E-04	1.86E-04	1.86E-04
4945	441230.2	3767723	2.21E-03	2.21E-03	2.49E-03	2.49E-03	4.17E-04	4.17E-04	1.82E-04	1.82E-04
4946	441239.3	3767719	2.16E-03	2.16E-03	2.44E-03	2.44E-03	4.09E-04	4.09E-04	1.79E-04	1.79E-04
4947	440352.3	3768614	1.85E-03	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
4948	440352.3	3768624	1.83E-03	1.83E-03	2.07E-03	2.07E-03	3.47E-04	3.47E-04	1.52E-04	1.52E-04
4949	440352.3	3768634	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
4950	441260.9	3768811	4.12E-02	4.12E-02	4.65E-02	4.65E-02	7.79E-03	7.79E-03	3.41E-03	3.41E-03
4951	441277	3768811	5.35E-02	5.35E-02	6.03E-02	6.03E-02	1.01E-02	1.01E-02	4.42E-03	4.42E-03
4952	441231.6	3768823	2.35E-02	2.35E-02	2.65E-02	2.65E-02	4.45E-03	4.45E-03	1.94E-03	1.94E-03
4953	441221.6	3768813	2.43E-02	2.43E-02	2.74E-02	2.74E-02	4.59E-03	4.59E-03	2.01E-03	2.01E-03
4954	441217.5	3768837	1.76E-02	1.76E-02	1.98E-02	1.98E-02	3.32E-03	3.32E-03	1.45E-03	1.45E-03
4955	441207.5	3768827	1.81E-02	1.81E-02	2.04E-02	2.04E-02	3.43E-03	3.43E-03	1.50E-03	1.50E-03
4956	441201.6	3768813	2.01E-02	2.01E-02	2.27E-02	2.27E-02	3.81E-03	3.81E-03	1.67E-03	1.67E-03
4957	441193.4	3768841	1.44E-02	1.44E-02	1.63E-02	1.63E-02	2.73E-03	2.73E-03	1.19E-03	1.19E-03
4958	441187.5	3768827	1.58E-02	1.58E-02	1.78E-02	1.78E-02	2.99E-03	2.99E-03	1.31E-03	1.31E-03
4959	441277	3768871	1.66E-02	1.66E-02	1.87E-02	1.87E-02	3.14E-03	3.14E-03	1.37E-03	1.37E-03
4960	441179.3	3768855	1.19E-02	1.19E-02	1.34E-02	1.34E-02	2.24E-03	2.24E-03	9.80E-04	9.80E-04
4961	441173.4	3768841	1.29E-02	1.29E-02	1.45E-02	1.45E-02	2.43E-03	2.43E-03	1.06E-03	1.06E-03

4962	441260.9	3768891	1.25E-02	1.25E-02	1.40E-02	1.40E-02	2.36E-03	2.36E-03	1.03E-03	1.03E-03
4963	441277	3768891	1.34E-02	1.34E-02	1.50E-02	1.50E-02	2.52E-03	2.52E-03	1.10E-03	1.10E-03
4964	441231.6	3768903	1.01E-02	1.01E-02	1.14E-02	1.14E-02	1.91E-03	1.91E-03	8.33E-04	8.33E-04
4965	441217.5	3768897	1.00E-02	1.00E-02	1.13E-02	1.13E-02	1.90E-03	1.90E-03	8.30E-04	8.30E-04
4966	441159.3	3768855	1.08E-02	1.08E-02	1.21E-02	1.21E-02	2.03E-03	2.03E-03	8.90E-04	8.90E-04
4967	441153.4	3768841	1.16E-02	1.16E-02	1.31E-02	1.31E-02	2.19E-03	2.19E-03	9.57E-04	9.57E-04
4968	441231.6	3768923	8.68E-03	8.68E-03	9.78E-03	9.78E-03	1.64E-03	1.64E-03	7.17E-04	7.17E-04
4969	441217.5	3768917	8.65E-03	8.65E-03	9.75E-03	9.75E-03	1.64E-03	1.64E-03	7.15E-04	7.15E-04
4970	441203.4	3768911	8.61E-03	8.61E-03	9.70E-03	9.70E-03	1.63E-03	1.63E-03	7.12E-04	7.12E-04
4971	441189.3	3768905	8.53E-03	8.53E-03	9.62E-03	9.62E-03	1.61E-03	1.61E-03	7.06E-04	7.06E-04
4972	441145.1	3768869	9.15E-03	9.15E-03	1.03E-02	1.03E-02	1.73E-03	1.73E-03	7.57E-04	7.57E-04
4973	441139.3	3768855	9.79E-03	9.79E-03	1.10E-02	1.10E-02	1.85E-03	1.85E-03	8.10E-04	8.10E-04
4974	441231.6	3768943	7.55E-03	7.55E-03	8.51E-03	8.51E-03	1.43E-03	1.43E-03	6.24E-04	6.24E-04
4975	441217.5	3768937	7.55E-03	7.55E-03	8.51E-03	8.51E-03	1.43E-03	1.43E-03	6.24E-04	6.24E-04
4976	441203.4	3768931	7.53E-03	7.53E-03	8.48E-03	8.48E-03	1.42E-03	1.42E-03	6.22E-04	6.22E-04
4977	441189.3	3768925	7.48E-03	7.48E-03	8.43E-03	8.43E-03	1.41E-03	1.41E-03	6.19E-04	6.19E-04
4978	441175.1	3768919	7.42E-03	7.42E-03	8.37E-03	8.37E-03	1.40E-03	1.40E-03	6.14E-04	6.14E-04
4979	441161	3768914	7.35E-03	7.35E-03	8.29E-03	8.29E-03	1.39E-03	1.39E-03	6.08E-04	6.08E-04
4980	441125.1	3768870	8.42E-03	8.42E-03	9.49E-03	9.49E-03	1.59E-03	1.59E-03	6.96E-04	6.96E-04
4981	441119.3	3768855	8.95E-03	8.95E-03	1.01E-02	1.01E-02	1.69E-03	1.69E-03	7.40E-04	7.40E-04
4982	441260.9	3768951	7.68E-03	7.68E-03	8.65E-03	8.65E-03	1.45E-03	1.45E-03	6.35E-04	6.35E-04
4983	441277	3768951	8.00E-03	8.00E-03	9.02E-03	9.02E-03	1.51E-03	1.51E-03	6.61E-04	6.61E-04
4984	441231.6	3768963	6.63E-03	6.63E-03	7.48E-03	7.48E-03	1.25E-03	1.25E-03	5.48E-04	5.48E-04
4985	441217.5	3768957	6.65E-03	6.65E-03	7.50E-03	7.50E-03	1.26E-03	1.26E-03	5.50E-04	5.50E-04
4986	441203.4	3768951	6.65E-03	6.65E-03	7.49E-03	7.49E-03	1.26E-03	1.26E-03	5.50E-04	5.50E-04
4987	441189.3	3768945	6.63E-03	6.63E-03	7.47E-03	7.47E-03	1.25E-03	1.25E-03	5.48E-04	5.48E-04
4988	441175.1	3768939	6.59E-03	6.59E-03	7.43E-03	7.43E-03	1.25E-03	1.25E-03	5.45E-04	5.45E-04
4989	441161	3768934	6.54E-03	6.54E-03	7.37E-03	7.37E-03	1.24E-03	1.24E-03	5.41E-04	5.41E-04
4990	441146.9	3768928	6.47E-03	6.47E-03	7.30E-03	7.30E-03	1.22E-03	1.22E-03	5.35E-04	5.35E-04
4991	441132.8	3768922	6.41E-03	6.41E-03	7.22E-03	7.22E-03	1.21E-03	1.21E-03	5.30E-04	5.30E-04
4992	441111	3768884	7.34E-03	7.34E-03	8.28E-03	8.28E-03	1.39E-03	1.39E-03	6.07E-04	6.07E-04
4993	441105.1	3768870	7.77E-03	7.77E-03	8.76E-03	8.76E-03	1.47E-03	1.47E-03	6.43E-04	6.43E-04
4994	441099.3	3768855	8.21E-03	8.21E-03	9.26E-03	9.26E-03	1.55E-03	1.55E-03	6.79E-04	6.79E-04
4995	441081.6	3768813	9.58E-03	9.58E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.92E-04	7.92E-04
4996	441260.9	3768971	6.73E-03	6.73E-03	7.58E-03	7.58E-03	1.27E-03	1.27E-03	5.56E-04	5.56E-04
4997	441277	3768971	6.98E-03	6.98E-03	7.86E-03	7.86E-03	1.32E-03	1.32E-03	5.77E-04	5.77E-04
4998	441230.5	3768982	5.89E-03	5.89E-03	6.64E-03	6.64E-03	1.11E-03	1.11E-03	4.87E-04	4.87E-04
4999	441215.6	3768976	5.91E-03	5.91E-03	6.66E-03	6.66E-03	1.12E-03	1.12E-03	4.89E-04	4.89E-04
5000	441200.8	3768970	5.92E-03	5.92E-03	6.67E-03	6.67E-03	1.12E-03	1.12E-03	4.89E-04	4.89E-04
5001	441185.9	3768964	5.92E-03	5.92E-03	6.67E-03	6.67E-03	1.12E-03	1.12E-03	4.89E-04	4.89E-04
5002	441171.1	3768958	5.89E-03	5.89E-03	6.64E-03	6.64E-03	1.11E-03	1.11E-03	4.87E-04	4.87E-04
5003	441156.2	3768952	5.85E-03	5.85E-03	6.59E-03	6.59E-03	1.10E-03	1.10E-03	4.83E-04	4.83E-04
5004	441141.3	3768945	5.79E-03	5.79E-03	6.53E-03	6.53E-03	1.09E-03	1.09E-03	4.79E-04	4.79E-04
5005	441126.5	3768939	5.73E-03	5.73E-03	6.46E-03	6.46E-03	1.08E-03	1.08E-03	4.74E-04	4.74E-04
5006	441089.9	3768881	6.89E-03	6.89E-03	7.77E-03	7.77E-03	1.30E-03	1.30E-03	5.70E-04	5.70E-04
5007	441083.7	3768866	7.28E-03	7.28E-03	8.21E-03	8.21E-03	1.38E-03	1.38E-03	6.02E-04	6.02E-04
5008	441077.6	3768851	7.68E-03	7.68E-03	8.65E-03	8.65E-03	1.45E-03	1.45E-03	6.35E-04	6.35E-04
5009	441071.4	3768837	8.08E-03	8.08E-03	9.11E-03	9.11E-03	1.53E-03	1.53E-03	6.68E-04	6.68E-04
5010	441065.2	3768822	8.49E-03	8.49E-03	9.57E-03	9.57E-03	1.60E-03	1.60E-03	7.02E-04	7.02E-04
5011	441059	3768807	8.87E-03	8.87E-03	1.00E-02	1.00E-02	1.68E-03	1.68E-03	7.34E-04	7.34E-04
5012	441201	3768990	5.31E-03	5.31E-03	5.98E-03	5.98E-03	1.00E-03	1.00E-03	4.39E-04	4.39E-04
5013	441186.2	3768984	5.32E-03	5.32E-03	5.99E-03	5.99E-03	1.01E-03	1.01E-03	4.40E-04	4.40E-04
5014	441171.4	3768978	5.31E-03	5.31E-03	5.98E-03	5.98E-03	1.00E-03	1.00E-03	4.39E-04	4.39E-04
5015	441156.6	3768972	5.28E-03	5.28E-03	5.95E-03	5.95E-03	9.97E-04	9.97E-04	4.36E-04	4.36E-04
5016	441141.9	3768966	5.24E-03	5.24E-03	5.90E-03	5.90E-03	9.90E-04	9.90E-04	4.33E-04	4.33E-04
5017	441127.1	3768959	5.19E-03	5.19E-03	5.85E-03	5.85E-03	9.81E-04	9.81E-04	4.29E-04	4.29E-04
5018	441112.3	3768953	5.14E-03	5.14E-03	5.79E-03	5.79E-03	9.72E-04	9.72E-04	4.25E-04	4.25E-04
5019	441094.4	3768940	5.22E-03	5.22E-03	5.89E-03	5.89E-03	9.87E-04	9.87E-04	4.32E-04	4.32E-04
5020	441075.9	3768896	6.11E-03	6.11E-03	6.89E-03	6.89E-03	1.16E-03	1.16E-03	5.05E-04	5.05E-04
5021	441069.8	3768881	6.43E-03	6.43E-03	7.25E-03	7.25E-03	1.22E-03	1.22E-03	5.32E-04	5.32E-04
5022	441063.6	3768866	6.76E-03	6.76E-03	7.62E-03	7.62E-03	1.28E-03	1.28E-03	5.59E-04	5.59E-04
5023	441057.4	3768851	7.10E-03	7.10E-03	8.00E-03	8.00E-03	1.34E-03	1.34E-03	5.87E-04	5.87E-04
5024	441051.3	3768836	7.44E-03	7.44E-03	8.39E-03	8.39E-03	1.41E-03	1.41E-03	6.15E-04	6.15E-04
5025	441045.1	3768822	7.78E-03	7.78E-03	8.77E-03	8.77E-03	1.47E-03	1.47E-03	6.43E-04	6.43E-04
5026	441039	3768807	8.11E-03	8.11E-03	9.14E-03	9.14E-03	1.53E-03	1.53E-03	6.70E-04	6.70E-04
5027	441230.7	3769022	4.74E-03	4.74E-03	5.34E-03	5.34E-03	8.96E-04	8.96E-04	3.92E-04	3.92E-04
5028	441216	3769016	4.76E-03	4.76E-03	5.37E-03	5.37E-03	9.00E-04	9.00E-04	3.94E-04	3.94E-04
5029	441157	3768992	4.79E-03	4.79E-03	5.39E-03	5.39E-03	9.05E-04	9.05E-04	3.96E-04	3.96E-04
5030	441142.3	3768986	4.76E-03	4.76E-03	5.37E-03	5.37E-03	9.00E-04	9.00E-04	3.94E-04	3.94E-04
5031	441127.6	3768980	4.73E-03	4.73E-03	5.33E-03	5.33E-03	8.94E-04	8.94E-04	3.91E-04	3.91E-04
5032	441112.8	3768974	4.69E-03	4.69E-03	5.29E-03	5.29E-03	8.87E-04	8.87E-04	3.88E-04	3.88E-04
5033	441098.1	3768968	4.65E-03	4.65E-03	5.24E-03	5.24E-03	8.79E-04	8.79E-04	3.85E-04	3.85E-04
5034	441080.3	3768954	4.72E-03	4.72E-03	5.32E-03	5.32E-03	8.92E-04	8.92E-04	3.90E-04	3.90E-04

5035	441055.7	3768895	5.73E-03	5.73E-03	6.46E-03	6.46E-03	1.08E-03	1.08E-03	4.74E-04	4.74E-04
5036	441049.6	3768880	6.01E-03	6.01E-03	6.78E-03	6.78E-03	1.14E-03	1.14E-03	4.97E-04	4.97E-04
5037	441043.5	3768866	6.30E-03	6.30E-03	7.10E-03	7.10E-03	1.19E-03	1.19E-03	5.21E-04	5.21E-04
5038	441018.9	3768807	7.44E-03	7.44E-03	8.39E-03	8.39E-03	1.41E-03	1.41E-03	6.15E-04	6.15E-04
5039	441230.8	3769042	4.30E-03	4.30E-03	4.85E-03	4.85E-03	8.13E-04	8.13E-04	3.56E-04	3.56E-04
5040	441216.1	3769036	4.32E-03	4.32E-03	4.87E-03	4.87E-03	8.17E-04	8.17E-04	3.57E-04	3.57E-04
5041	441201.4	3769030	4.34E-03	4.34E-03	4.89E-03	4.89E-03	8.20E-04	8.20E-04	3.59E-04	3.59E-04
5042	441186.7	3769024	4.35E-03	4.35E-03	4.91E-03	4.91E-03	8.23E-04	8.23E-04	3.60E-04	3.60E-04
5043	441172	3769018	4.36E-03	4.36E-03	4.91E-03	4.91E-03	8.24E-04	8.24E-04	3.60E-04	3.60E-04
5044	441098.6	3768988	4.27E-03	4.27E-03	4.82E-03	4.82E-03	8.08E-04	8.08E-04	3.53E-04	3.53E-04
5045	441083.9	3768982	4.24E-03	4.24E-03	4.78E-03	4.78E-03	8.01E-04	8.01E-04	3.50E-04	3.50E-04
5046	441066.2	3768968	4.29E-03	4.29E-03	4.84E-03	4.84E-03	8.11E-04	8.11E-04	3.55E-04	3.55E-04
5047	441060.1	3768954	4.49E-03	4.49E-03	5.06E-03	5.06E-03	8.49E-04	8.49E-04	3.71E-04	3.71E-04
5048	441041.7	3768910	5.15E-03	5.15E-03	5.80E-03	5.80E-03	9.73E-04	9.73E-04	4.26E-04	4.26E-04
5049	441017.3	3768851	6.13E-03	6.13E-03	6.91E-03	6.91E-03	1.16E-03	1.16E-03	5.07E-04	5.07E-04
5050	441011.1	3768836	6.38E-03	6.38E-03	7.19E-03	7.19E-03	1.21E-03	1.21E-03	5.28E-04	5.28E-04
5051	441005	3768822	6.63E-03	6.63E-03	7.47E-03	7.47E-03	1.25E-03	1.25E-03	5.48E-04	5.48E-04
5052	440998.9	3768807	6.86E-03	6.86E-03	7.74E-03	7.74E-03	1.30E-03	1.30E-03	5.68E-04	5.68E-04
5053	441230.8	3769062	3.93E-03	3.93E-03	4.43E-03	4.43E-03	7.42E-04	7.42E-04	3.25E-04	3.25E-04
5054	441216.2	3769056	3.95E-03	3.95E-03	4.45E-03	4.45E-03	7.46E-04	7.46E-04	3.26E-04	3.26E-04
5055	441201.6	3769050	3.96E-03	3.96E-03	4.46E-03	4.46E-03	7.49E-04	7.49E-04	3.28E-04	3.28E-04
5056	441186.9	3769044	3.97E-03	3.97E-03	4.48E-03	4.48E-03	7.51E-04	7.51E-04	3.29E-04	3.29E-04
5057	441172.3	3769038	3.98E-03	3.98E-03	4.49E-03	4.49E-03	7.53E-04	7.53E-04	3.29E-04	3.29E-04
5058	441157.6	3769032	3.98E-03	3.98E-03	4.49E-03	4.49E-03	7.53E-04	7.53E-04	3.29E-04	3.29E-04
5059	441143	3769026	3.98E-03	3.98E-03	4.49E-03	4.49E-03	7.52E-04	7.52E-04	3.29E-04	3.29E-04
5060	441128.3	3769020	3.97E-03	3.97E-03	4.48E-03	4.48E-03	7.51E-04	7.51E-04	3.28E-04	3.28E-04
5061	441113.7	3769014	3.96E-03	3.96E-03	4.46E-03	4.46E-03	7.48E-04	7.48E-04	3.27E-04	3.27E-04
5062	441052.1	3768982	3.92E-03	3.92E-03	4.42E-03	4.42E-03	7.41E-04	7.41E-04	3.24E-04	3.24E-04
5063	441046	3768968	4.09E-03	4.09E-03	4.61E-03	4.61E-03	7.74E-04	7.74E-04	3.38E-04	3.38E-04
5064	441003.3	3768865	5.50E-03	5.50E-03	6.20E-03	6.20E-03	1.04E-03	1.04E-03	4.55E-04	4.55E-04
5065	440997.2	3768851	5.72E-03	5.72E-03	6.45E-03	6.45E-03	1.08E-03	1.08E-03	4.73E-04	4.73E-04
5066	440991.1	3768836	5.94E-03	5.94E-03	6.69E-03	6.69E-03	1.12E-03	1.12E-03	4.91E-04	4.91E-04
5067	440985	3768822	6.15E-03	6.15E-03	6.94E-03	6.94E-03	1.16E-03	1.16E-03	5.09E-04	5.09E-04
5068	440978.9	3768807	6.36E-03	6.36E-03	7.17E-03	7.17E-03	1.20E-03	1.20E-03	5.26E-04	5.26E-04
5069	441260.9	3769071	3.93E-03	3.93E-03	4.43E-03	4.43E-03	7.43E-04	7.43E-04	3.25E-04	3.25E-04
5070	441277	3769071	4.02E-03	4.02E-03	4.53E-03	4.53E-03	7.61E-04	7.61E-04	3.33E-04	3.33E-04
5071	441230.9	3769082	3.60E-03	3.60E-03	4.06E-03	4.06E-03	6.81E-04	6.81E-04	2.98E-04	2.98E-04
5072	441216.3	3769076	3.62E-03	3.62E-03	4.08E-03	4.08E-03	6.85E-04	6.85E-04	3.00E-04	3.00E-04
5073	441201.7	3769070	3.64E-03	3.64E-03	4.10E-03	4.10E-03	6.88E-04	6.88E-04	3.01E-04	3.01E-04
5074	441187.1	3769064	3.65E-03	3.65E-03	4.11E-03	4.11E-03	6.89E-04	6.89E-04	3.02E-04	3.02E-04
5075	441172.5	3769058	3.65E-03	3.65E-03	4.12E-03	4.12E-03	6.91E-04	6.91E-04	3.02E-04	3.02E-04
5076	441157.9	3769052	3.66E-03	3.66E-03	4.12E-03	4.12E-03	6.91E-04	6.91E-04	3.02E-04	3.02E-04
5077	441143.2	3769046	3.66E-03	3.66E-03	4.12E-03	4.12E-03	6.91E-04	6.91E-04	3.02E-04	3.02E-04
5078	441128.6	3769040	3.65E-03	3.65E-03	4.12E-03	4.12E-03	6.90E-04	6.90E-04	3.02E-04	3.02E-04
5079	441114	3769034	3.64E-03	3.64E-03	4.11E-03	4.11E-03	6.89E-04	6.89E-04	3.01E-04	3.01E-04
5080	441099.4	3769028	3.63E-03	3.63E-03	4.09E-03	4.09E-03	6.86E-04	6.86E-04	3.00E-04	3.00E-04
5081	441084.8	3769022	3.61E-03	3.61E-03	4.07E-03	4.07E-03	6.82E-04	6.82E-04	2.98E-04	2.98E-04
5082	441070.2	3769016	3.58E-03	3.58E-03	4.04E-03	4.04E-03	6.77E-04	6.77E-04	2.96E-04	2.96E-04
5083	441031.9	3768982	3.75E-03	3.75E-03	4.22E-03	4.22E-03	7.08E-04	7.08E-04	3.10E-04	3.10E-04
5084	441025.8	3768967	3.90E-03	3.90E-03	4.40E-03	4.40E-03	7.38E-04	7.38E-04	3.23E-04	3.23E-04
5085	440983.2	3768865	5.16E-03	5.16E-03	5.82E-03	5.82E-03	9.76E-04	9.76E-04	4.27E-04	4.27E-04
5086	440977.1	3768851	5.35E-03	5.35E-03	6.04E-03	6.04E-03	1.01E-03	1.01E-03	4.43E-04	4.43E-04
5087	440971.1	3768836	5.54E-03	5.54E-03	6.25E-03	6.25E-03	1.05E-03	1.05E-03	4.58E-04	4.58E-04
5088	440965	3768822	5.73E-03	5.73E-03	6.46E-03	6.46E-03	1.08E-03	1.08E-03	4.74E-04	4.74E-04
5089	440958.9	3768807	5.91E-03	5.91E-03	6.66E-03	6.66E-03	1.12E-03	1.12E-03	4.89E-04	4.89E-04
5090	441260.9	3769091	3.60E-03	3.60E-03	4.06E-03	4.06E-03	6.81E-04	6.81E-04	2.98E-04	2.98E-04
5091	441277	3769091	3.68E-03	3.68E-03	4.15E-03	4.15E-03	6.96E-04	6.96E-04	3.04E-04	3.04E-04
5092	441231	3769122	3.07E-03	3.07E-03	3.45E-03	3.45E-03	5.79E-04	5.79E-04	2.53E-04	2.53E-04
5093	441216.4	3769116	3.09E-03	3.09E-03	3.48E-03	3.48E-03	5.83E-04	5.83E-04	2.55E-04	2.55E-04
5094	441201.9	3769110	3.10E-03	3.10E-03	3.49E-03	3.49E-03	5.86E-04	5.86E-04	2.56E-04	2.56E-04
5095	441187.3	3769104	3.11E-03	3.11E-03	3.51E-03	3.51E-03	5.88E-04	5.88E-04	2.57E-04	2.57E-04
5096	441172.8	3769098	3.12E-03	3.12E-03	3.51E-03	3.51E-03	5.89E-04	5.89E-04	2.58E-04	2.58E-04
5097	441158.2	3769092	3.12E-03	3.12E-03	3.52E-03	3.52E-03	5.90E-04	5.90E-04	2.58E-04	2.58E-04
5098	441143.7	3769086	3.12E-03	3.12E-03	3.52E-03	3.52E-03	5.91E-04	5.91E-04	2.58E-04	2.58E-04
5099	441129.1	3769080	3.12E-03	3.12E-03	3.52E-03	3.52E-03	5.91E-04	5.91E-04	2.58E-04	2.58E-04
5100	441114.6	3769074	3.12E-03	3.12E-03	3.52E-03	3.52E-03	5.90E-04	5.90E-04	2.58E-04	2.58E-04
5101	441100	3769068	3.12E-03	3.12E-03	3.51E-03	3.51E-03	5.89E-04	5.89E-04	2.58E-04	2.58E-04
5102	441085.5	3769062	3.11E-03	3.11E-03	3.50E-03	3.50E-03	5.87E-04	5.87E-04	2.57E-04	2.57E-04
5103	441070.9	3769056	3.09E-03	3.09E-03	3.48E-03	3.48E-03	5.84E-04	5.84E-04	2.55E-04	2.55E-04
5104	441056.4	3769050	3.07E-03	3.07E-03	3.46E-03	3.46E-03	5.80E-04	5.80E-04	2.54E-04	2.54E-04
5105	441041.8	3769044	3.05E-03	3.05E-03	3.43E-03	3.43E-03	5.76E-04	5.76E-04	2.52E-04	2.52E-04
5106	441027.3	3769038	3.02E-03	3.02E-03	3.41E-03	3.41E-03	5.71E-04	5.71E-04	2.50E-04	2.50E-04
5107	441009.7	3769025	3.06E-03	3.06E-03	3.45E-03	3.45E-03	5.78E-04	5.78E-04	2.53E-04	2.53E-04

5108	440991.6	3768981	3.43E-03	3.43E-03	3.86E-03	3.86E-03	6.47E-04	6.47E-04	2.83E-04	2.83E-04
5109	440943.1	3768865	4.57E-03	4.57E-03	5.15E-03	5.15E-03	8.65E-04	8.65E-04	3.78E-04	3.78E-04
5110	440937	3768851	4.72E-03	4.72E-03	5.32E-03	5.32E-03	8.93E-04	8.93E-04	3.90E-04	3.90E-04
5111	440931	3768836	4.87E-03	4.87E-03	5.49E-03	5.49E-03	9.20E-04	9.20E-04	4.03E-04	4.03E-04
5112	440924.9	3768822	5.01E-03	5.01E-03	5.65E-03	5.65E-03	9.48E-04	9.48E-04	4.15E-04	4.15E-04
5113	440918.9	3768807	5.15E-03	5.15E-03	5.81E-03	5.81E-03	9.74E-04	9.74E-04	4.26E-04	4.26E-04
5114	441231.1	3769162	2.64E-03	2.64E-03	2.98E-03	2.98E-03	4.99E-04	4.99E-04	2.18E-04	2.18E-04
5115	441216.5	3769156	2.66E-03	2.66E-03	3.00E-03	3.00E-03	5.03E-04	5.03E-04	2.20E-04	2.20E-04
5116	441202	3769150	2.68E-03	2.68E-03	3.02E-03	3.02E-03	5.06E-04	5.06E-04	2.21E-04	2.21E-04
5117	441187.5	3769144	2.69E-03	2.69E-03	3.03E-03	3.03E-03	5.09E-04	5.09E-04	2.23E-04	2.23E-04
5118	441173	3769138	2.70E-03	2.70E-03	3.05E-03	3.05E-03	5.11E-04	5.11E-04	2.23E-04	2.23E-04
5119	441158.5	3769132	2.71E-03	2.71E-03	3.05E-03	3.05E-03	5.12E-04	5.12E-04	2.24E-04	2.24E-04
5120	441144	3769126	2.71E-03	2.71E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
5121	441129.5	3769121	2.72E-03	2.72E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
5122	441115	3769115	2.72E-03	2.72E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
5123	441100.5	3769109	2.72E-03	2.72E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
5124	441086	3769103	2.71E-03	2.71E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
5125	441071.5	3769097	2.70E-03	2.70E-03	3.04E-03	3.04E-03	5.10E-04	5.10E-04	2.23E-04	2.23E-04
5126	441057	3769091	2.69E-03	2.69E-03	3.03E-03	3.03E-03	5.08E-04	5.08E-04	2.22E-04	2.22E-04
5127	441042.5	3769085	2.63E-03	2.63E-03	2.96E-03	2.96E-03	4.97E-04	4.97E-04	2.17E-04	2.17E-04
5128	441028	3769079	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.90E-04	4.90E-04	2.14E-04	2.14E-04
5129	441013.5	3769073	2.58E-03	2.58E-03	2.90E-03	2.90E-03	4.87E-04	4.87E-04	2.13E-04	2.13E-04
5130	440999	3769067	2.56E-03	2.56E-03	2.89E-03	2.89E-03	4.84E-04	4.84E-04	2.12E-04	2.12E-04
5131	440981.5	3769053	2.61E-03	2.61E-03	2.94E-03	2.94E-03	4.93E-04	4.93E-04	2.16E-04	2.16E-04
5132	440975.5	3769039	2.74E-03	2.74E-03	3.09E-03	3.09E-03	5.18E-04	5.18E-04	2.26E-04	2.26E-04
5133	440969.4	3769024	2.83E-03	2.83E-03	3.19E-03	3.19E-03	5.36E-04	5.36E-04	2.34E-04	2.34E-04
5134	440933.2	3768937	3.48E-03	3.48E-03	3.92E-03	3.92E-03	6.58E-04	6.58E-04	2.88E-04	2.88E-04
5135	440927.1	3768923	3.60E-03	3.60E-03	4.06E-03	4.06E-03	6.81E-04	6.81E-04	2.98E-04	2.98E-04
5136	440884.9	3768822	4.43E-03	4.43E-03	5.00E-03	5.00E-03	8.38E-04	8.38E-04	3.66E-04	3.66E-04
5137	440878.8	3768807	4.54E-03	4.54E-03	5.12E-03	5.12E-03	8.58E-04	8.58E-04	3.75E-04	3.75E-04
5138	441171.3	3769178	2.36E-03	2.36E-03	2.66E-03	2.66E-03	4.47E-04	4.47E-04	1.95E-04	1.95E-04
5139	441156.4	3769172	2.38E-03	2.38E-03	2.68E-03	2.68E-03	4.49E-04	4.49E-04	1.96E-04	1.96E-04
5140	441141.6	3769165	2.38E-03	2.38E-03	2.68E-03	2.68E-03	4.50E-04	4.50E-04	1.97E-04	1.97E-04
5141	441126.8	3769159	2.38E-03	2.38E-03	2.69E-03	2.69E-03	4.50E-04	4.50E-04	1.97E-04	1.97E-04
5142	441111.9	3769153	2.38E-03	2.38E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
5143	441097.1	3769147	2.38E-03	2.38E-03	2.69E-03	2.69E-03	4.50E-04	4.50E-04	1.97E-04	1.97E-04
5144	441082.3	3769141	2.38E-03	2.38E-03	2.69E-03	2.69E-03	4.50E-04	4.50E-04	1.97E-04	1.97E-04
5145	441067.5	3769135	2.38E-03	2.38E-03	2.68E-03	2.68E-03	4.50E-04	4.50E-04	1.97E-04	1.97E-04
5146	441052.6	3769129	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.48E-04	4.48E-04	1.96E-04	1.96E-04
5147	441037.8	3769123	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.40E-04	4.40E-04	1.93E-04	1.93E-04
5148	441023	3769116	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
5149	441008.2	3769110	2.29E-03	2.29E-03	2.58E-03	2.58E-03	4.32E-04	4.32E-04	1.89E-04	1.89E-04
5150	440993.3	3769104	2.28E-03	2.28E-03	2.57E-03	2.57E-03	4.30E-04	4.30E-04	1.88E-04	1.88E-04
5151	440978.5	3769098	2.28E-03	2.28E-03	2.57E-03	2.57E-03	4.30E-04	4.30E-04	1.88E-04	1.88E-04
5152	440963.7	3769092	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.29E-04	4.29E-04	1.88E-04	1.88E-04
5153	440953.2	3769081	2.32E-03	2.32E-03	2.62E-03	2.62E-03	4.39E-04	4.39E-04	1.92E-04	1.92E-04
5154	440947	3769067	2.40E-03	2.40E-03	2.70E-03	2.70E-03	4.53E-04	4.53E-04	1.98E-04	1.98E-04
5155	440940.8	3769052	2.48E-03	2.48E-03	2.79E-03	2.79E-03	4.68E-04	4.68E-04	2.05E-04	2.05E-04
5156	440934.7	3769037	2.56E-03	2.56E-03	2.88E-03	2.88E-03	4.84E-04	4.84E-04	2.12E-04	2.12E-04
5157	440928.5	3769022	2.64E-03	2.64E-03	2.98E-03	2.98E-03	5.00E-04	5.00E-04	2.19E-04	2.19E-04
5158	440897.6	3768948	3.11E-03	3.11E-03	3.50E-03	3.50E-03	5.87E-04	5.87E-04	2.57E-04	2.57E-04
5159	440891.5	3768933	3.21E-03	3.21E-03	3.61E-03	3.61E-03	6.06E-04	6.06E-04	2.65E-04	2.65E-04
5160	440842.1	3768815	3.99E-03	3.99E-03	4.50E-03	4.50E-03	7.55E-04	7.55E-04	3.30E-04	3.30E-04
5161	441260.9	3769211	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.34E-04	4.34E-04	1.90E-04	1.90E-04
5162	441277	3769211	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.41E-04	4.41E-04	1.93E-04	1.93E-04
5163	441230.7	3769242	2.03E-03	2.03E-03	2.29E-03	2.29E-03	3.84E-04	3.84E-04	1.68E-04	1.68E-04
5164	441215.9	3769236	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
5165	441201.1	3769230	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.89E-04	3.89E-04	1.70E-04	1.70E-04
5166	441186.4	3769224	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
5167	441171.6	3769218	2.08E-03	2.08E-03	2.34E-03	2.34E-03	3.93E-04	3.93E-04	1.72E-04	1.72E-04
5168	441068.3	3769175	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.95E-04	3.95E-04	1.73E-04	1.73E-04
5169	441053.5	3769169	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
5170	441038.7	3769163	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
5171	441024	3769157	2.08E-03	2.08E-03	2.35E-03	2.35E-03	3.93E-04	3.93E-04	1.72E-04	1.72E-04
5172	441009.2	3769151	2.09E-03	2.09E-03	2.36E-03	2.36E-03	3.95E-04	3.95E-04	1.73E-04	1.73E-04
5173	440994.5	3769145	2.08E-03	2.08E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
5174	440979.7	3769139	2.07E-03	2.07E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.71E-04	1.71E-04
5175	440964.9	3769132	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.90E-04	3.90E-04	1.70E-04	1.70E-04
5176	440950.2	3769126	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.88E-04	3.88E-04	1.70E-04	1.70E-04
5177	440935.4	3769120	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.85E-04	3.85E-04	1.68E-04	1.68E-04
5178	440925	3769110	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.89E-04	3.89E-04	1.70E-04	1.70E-04
5179	440918.8	3769095	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
5180	440912.7	3769080	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04

5181	440906.5	3769066	2.25E-03	2.25E-03	2.53E-03	2.53E-03	4.25E-04	4.25E-04	1.86E-04	1.86E-04
5182	440900.4	3769051	2.32E-03	2.32E-03	2.61E-03	2.61E-03	4.38E-04	4.38E-04	1.92E-04	1.92E-04
5183	440894.2	3769036	2.39E-03	2.39E-03	2.69E-03	2.69E-03	4.52E-04	4.52E-04	1.98E-04	1.98E-04
5184	440888.1	3769021	2.46E-03	2.46E-03	2.78E-03	2.78E-03	4.66E-04	4.66E-04	2.04E-04	2.04E-04
5185	440863.5	3768962	2.77E-03	2.77E-03	3.12E-03	3.12E-03	5.24E-04	5.24E-04	2.29E-04	2.29E-04
5186	440857.3	3768948	2.85E-03	2.85E-03	3.22E-03	3.22E-03	5.39E-04	5.39E-04	2.36E-04	2.36E-04
5187	440851.2	3768933	2.94E-03	2.94E-03	3.31E-03	3.31E-03	5.55E-04	5.55E-04	2.43E-04	2.43E-04
5188	440845.1	3768918	3.02E-03	3.02E-03	3.40E-03	3.40E-03	5.71E-04	5.71E-04	2.50E-04	2.50E-04
5189	440838.9	3768903	3.11E-03	3.11E-03	3.50E-03	3.50E-03	5.87E-04	5.87E-04	2.57E-04	2.57E-04
5190	440832.8	3768889	3.19E-03	3.19E-03	3.59E-03	3.59E-03	6.02E-04	6.02E-04	2.64E-04	2.64E-04
5191	440826.6	3768874	3.26E-03	3.26E-03	3.68E-03	3.68E-03	6.17E-04	6.17E-04	2.70E-04	2.70E-04
5192	441260.9	3769251	2.02E-03	2.02E-03	2.28E-03	2.28E-03	3.83E-04	3.83E-04	1.67E-04	1.67E-04
5193	441277	3769251	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
5194	441245.5	3769288	1.76E-03	1.76E-03	1.98E-03	1.98E-03	3.32E-04	3.32E-04	1.45E-04	1.45E-04
5195	441230.7	3769282	1.77E-03	1.77E-03	2.00E-03	2.00E-03	3.35E-04	3.35E-04	1.47E-04	1.47E-04
5196	441216	3769276	1.79E-03	1.79E-03	2.01E-03	2.01E-03	3.38E-04	3.38E-04	1.48E-04	1.48E-04
5197	441201.3	3769270	1.80E-03	1.80E-03	2.03E-03	2.03E-03	3.41E-04	3.41E-04	1.49E-04	1.49E-04
5198	441186.6	3769264	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.51E-04	1.51E-04
5199	441171.9	3769258	1.84E-03	1.84E-03	2.07E-03	2.07E-03	3.47E-04	3.47E-04	1.52E-04	1.52E-04
5200	440966	3769173	1.86E-03	1.86E-03	2.10E-03	2.10E-03	3.52E-04	3.52E-04	1.54E-04	1.54E-04
5201	440951.3	3769167	1.85E-03	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
5202	440936.6	3769161	1.84E-03	1.84E-03	2.08E-03	2.08E-03	3.48E-04	3.48E-04	1.52E-04	1.52E-04
5203	440921.8	3769155	1.83E-03	1.83E-03	2.07E-03	2.07E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
5204	440907.1	3769149	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.51E-04	1.51E-04
5205	440896.7	3769138	1.84E-03	1.84E-03	2.07E-03	2.07E-03	3.48E-04	3.48E-04	1.52E-04	1.52E-04
5206	440890.6	3769124	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.57E-04	3.57E-04	1.56E-04	1.56E-04
5207	440884.5	3769109	1.94E-03	1.94E-03	2.19E-03	2.19E-03	3.67E-04	3.67E-04	1.61E-04	1.61E-04
5208	440878.3	3769094	2.00E-03	2.00E-03	2.25E-03	2.25E-03	3.77E-04	3.77E-04	1.65E-04	1.65E-04
5209	440872.2	3769079	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.88E-04	3.88E-04	1.70E-04	1.70E-04
5210	440866.1	3769065	2.11E-03	2.11E-03	2.38E-03	2.38E-03	3.99E-04	3.99E-04	1.75E-04	1.75E-04
5211	440860	3769050	2.17E-03	2.17E-03	2.45E-03	2.45E-03	4.10E-04	4.10E-04	1.80E-04	1.80E-04
5212	440853.9	3769035	2.23E-03	2.23E-03	2.52E-03	2.52E-03	4.22E-04	4.22E-04	1.85E-04	1.85E-04
5213	440847.7	3769021	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.34E-04	4.34E-04	1.90E-04	1.90E-04
5214	440829.4	3768977	2.49E-03	2.49E-03	2.81E-03	2.81E-03	4.71E-04	4.71E-04	2.06E-04	2.06E-04
5215	440823.2	3768962	2.56E-03	2.56E-03	2.88E-03	2.88E-03	4.84E-04	4.84E-04	2.12E-04	2.12E-04
5216	440786.5	3768874	2.98E-03	2.98E-03	3.36E-03	3.36E-03	5.63E-04	5.63E-04	2.46E-04	2.46E-04
5217	440780.4	3768859	3.05E-03	3.05E-03	3.43E-03	3.43E-03	5.76E-04	5.76E-04	2.52E-04	2.52E-04
5218	440774.2	3768844	3.11E-03	3.11E-03	3.51E-03	3.51E-03	5.88E-04	5.88E-04	2.57E-04	2.57E-04
5219	440768.1	3768830	3.18E-03	3.18E-03	3.58E-03	3.58E-03	6.01E-04	6.01E-04	2.63E-04	2.63E-04
5220	440762	3768815	3.24E-03	3.24E-03	3.65E-03	3.65E-03	6.12E-04	6.12E-04	2.68E-04	2.68E-04
5221	441260.9	3769291	1.76E-03	1.76E-03	1.99E-03	1.99E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
5222	441277	3769291	1.78E-03	1.78E-03	2.01E-03	2.01E-03	3.37E-04	3.37E-04	1.48E-04	1.48E-04
5223	441245.5	3769328	1.54E-03	1.54E-03	1.74E-03	1.74E-03	2.92E-04	2.92E-04	1.28E-04	1.28E-04
5224	441230.8	3769322	1.56E-03	1.56E-03	1.75E-03	1.75E-03	2.94E-04	2.94E-04	1.29E-04	1.29E-04
5225	441201.5	3769310	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.01E-04	3.01E-04	1.32E-04	1.32E-04
5226	441186.8	3769304	1.61E-03	1.61E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.33E-04	1.33E-04
5227	441172.2	3769298	1.63E-03	1.63E-03	1.84E-03	1.84E-03	3.08E-04	3.08E-04	1.35E-04	1.35E-04
5228	441157.5	3769292	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
5229	441142.8	3769286	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.14E-04	3.14E-04	1.37E-04	1.37E-04
5230	441128.2	3769280	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
5231	441113.5	3769274	1.68E-03	1.68E-03	1.89E-03	1.89E-03	3.17E-04	3.17E-04	1.39E-04	1.39E-04
5232	440868.5	3769167	1.62E-03	1.62E-03	1.83E-03	1.83E-03	3.07E-04	3.07E-04	1.34E-04	1.34E-04
5233	440862.4	3769152	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
5234	440856.3	3769137	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
5235	440850.2	3769123	1.76E-03	1.76E-03	1.98E-03	1.98E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
5236	440844.1	3769108	1.83E-03	1.83E-03	2.07E-03	2.07E-03	3.47E-04	3.47E-04	1.52E-04	1.52E-04
5237	440838	3769093	1.88E-03	1.88E-03	2.12E-03	2.12E-03	3.56E-04	3.56E-04	1.56E-04	1.56E-04
5238	440831.9	3769079	1.93E-03	1.93E-03	2.18E-03	2.18E-03	3.66E-04	3.66E-04	1.60E-04	1.60E-04
5239	440789.1	3768976	2.32E-03	2.32E-03	2.61E-03	2.61E-03	4.38E-04	4.38E-04	1.91E-04	1.91E-04
5240	440783	3768962	2.38E-03	2.38E-03	2.68E-03	2.68E-03	4.49E-04	4.49E-04	1.96E-04	1.96E-04
5241	440776.9	3768947	2.44E-03	2.44E-03	2.74E-03	2.74E-03	4.60E-04	4.60E-04	2.01E-04	2.01E-04
5242	440746.4	3768874	2.73E-03	2.73E-03	3.07E-03	3.07E-03	5.16E-04	5.16E-04	2.25E-04	2.25E-04
5243	440740.3	3768859	2.78E-03	2.78E-03	3.14E-03	3.14E-03	5.26E-04	5.26E-04	2.30E-04	2.30E-04
5244	440734.2	3768844	2.84E-03	2.84E-03	3.20E-03	3.20E-03	5.37E-04	5.37E-04	2.35E-04	2.35E-04
5245	440728.1	3768830	2.89E-03	2.89E-03	3.26E-03	3.26E-03	5.47E-04	5.47E-04	2.39E-04	2.39E-04
5246	440722	3768815	2.94E-03	2.94E-03	3.32E-03	3.32E-03	5.57E-04	5.57E-04	2.43E-04	2.43E-04
5247	441260.9	3769331	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.93E-04	2.93E-04	1.28E-04	1.28E-04
5248	441277	3769331	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
5249	441185.8	3769344	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
5250	441170.9	3769338	1.46E-03	1.46E-03	1.65E-03	1.65E-03	2.76E-04	2.76E-04	1.21E-04	1.21E-04
5251	441156	3769331	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.79E-04	2.79E-04	1.22E-04	1.22E-04
5252	441141.1	3769325	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
5253	441126.2	3769319	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04

5254	441111.3	3769313	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.25E-04	1.25E-04
5255	440796.8	3769091	1.79E-03	1.79E-03	2.01E-03	2.01E-03	3.38E-04	3.38E-04	1.48E-04	1.48E-04
5256	440790.6	3769076	1.83E-03	1.83E-03	2.07E-03	2.07E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
5257	440784.4	3769061	1.88E-03	1.88E-03	2.12E-03	2.12E-03	3.55E-04	3.55E-04	1.55E-04	1.55E-04
5258	440778.2	3769046	1.93E-03	1.93E-03	2.17E-03	2.17E-03	3.64E-04	3.64E-04	1.59E-04	1.59E-04
5259	440753.4	3768987	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
5260	440747.2	3768972	2.17E-03	2.17E-03	2.45E-03	2.45E-03	4.11E-04	4.11E-04	1.80E-04	1.80E-04
5261	440741	3768957	2.22E-03	2.22E-03	2.51E-03	2.51E-03	4.20E-04	4.20E-04	1.84E-04	1.84E-04
5262	440703.8	3768868	2.53E-03	2.53E-03	2.85E-03	2.85E-03	4.78E-04	4.78E-04	2.09E-04	2.09E-04
5263	440697.6	3768853	2.58E-03	2.58E-03	2.90E-03	2.90E-03	4.87E-04	4.87E-04	2.13E-04	2.13E-04
5264	440691.4	3768838	2.62E-03	2.62E-03	2.96E-03	2.96E-03	4.96E-04	4.96E-04	2.17E-04	2.17E-04
5265	440685.2	3768823	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.04E-04	5.04E-04	2.21E-04	2.21E-04
5266	440679	3768808	2.71E-03	2.71E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
5267	441245.4	3769408	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.41E-04	2.41E-04	1.06E-04	1.06E-04
5268	441230.5	3769402	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.42E-04	2.42E-04	1.06E-04	1.06E-04
5269	441215.7	3769396	1.29E-03	1.29E-03	1.46E-03	1.46E-03	2.44E-04	2.44E-04	1.07E-04	1.07E-04
5270	441126.7	3769359	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.56E-04	2.56E-04	1.12E-04	1.12E-04
5271	441111.8	3769353	1.37E-03	1.37E-03	1.54E-03	1.54E-03	2.58E-04	2.58E-04	1.13E-04	1.13E-04
5272	441097	3769347	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.60E-04	2.60E-04	1.14E-04	1.14E-04
5273	441082.2	3769341	1.38E-03	1.38E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.14E-04	1.14E-04
5274	441067.3	3769335	1.39E-03	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
5275	441052.5	3769329	1.40E-03	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.15E-04	1.15E-04
5276	441037.6	3769323	1.40E-03	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.15E-04	1.15E-04
5277	440963.4	3769292	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
5278	440948.6	3769286	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
5279	440933.8	3769280	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.60E-04	2.60E-04	1.14E-04	1.14E-04
5280	440918.9	3769273	1.37E-03	1.37E-03	1.55E-03	1.55E-03	2.60E-04	2.60E-04	1.14E-04	1.14E-04
5281	440904.1	3769267	1.37E-03	1.37E-03	1.54E-03	1.54E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04
5282	440787.3	3769164	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.79E-04	2.79E-04	1.22E-04	1.22E-04
5283	440781.1	3769149	1.53E-03	1.53E-03	1.73E-03	1.73E-03	2.90E-04	2.90E-04	1.27E-04	1.27E-04
5284	440774.9	3769134	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
5285	440768.7	3769119	1.61E-03	1.61E-03	1.81E-03	1.81E-03	3.04E-04	3.04E-04	1.33E-04	1.33E-04
5286	440762.5	3769105	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
5287	440756.4	3769090	1.69E-03	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.39E-04	1.39E-04
5288	440750.2	3769075	1.73E-03	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
5289	440744	3769060	1.77E-03	1.77E-03	1.99E-03	1.99E-03	3.34E-04	3.34E-04	1.46E-04	1.46E-04
5290	440737.8	3769045	1.81E-03	1.81E-03	2.04E-03	2.04E-03	3.42E-04	3.42E-04	1.50E-04	1.50E-04
5291	440713.1	3768986	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04
5292	440706.9	3768971	2.03E-03	2.03E-03	2.28E-03	2.28E-03	3.83E-04	3.83E-04	1.68E-04	1.68E-04
5293	440700.8	3768956	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.92E-04	3.92E-04	1.71E-04	1.71E-04
5294	440694.6	3768942	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.00E-04	4.00E-04	1.75E-04	1.75E-04
5295	440688.4	3768927	2.16E-03	2.16E-03	2.44E-03	2.44E-03	4.09E-04	4.09E-04	1.79E-04	1.79E-04
5296	440682.2	3768912	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.17E-04	4.17E-04	1.82E-04	1.82E-04
5297	440676.1	3768897	2.25E-03	2.25E-03	2.53E-03	2.53E-03	4.25E-04	4.25E-04	1.86E-04	1.86E-04
5298	440663.7	3768867	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.41E-04	4.41E-04	1.93E-04	1.93E-04
5299	440657.5	3768853	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.48E-04	4.48E-04	1.96E-04	1.96E-04
5300	440651.3	3768838	2.41E-03	2.41E-03	2.72E-03	2.72E-03	4.55E-04	4.55E-04	1.99E-04	1.99E-04
5301	440645.2	3768823	2.45E-03	2.45E-03	2.76E-03	2.76E-03	4.63E-04	4.63E-04	2.02E-04	2.02E-04
5302	440639	3768808	2.49E-03	2.49E-03	2.80E-03	2.80E-03	4.70E-04	4.70E-04	2.05E-04	2.05E-04
5303	441260.9	3769411	1.29E-03	1.29E-03	1.45E-03	1.45E-03	2.43E-04	2.43E-04	1.06E-04	1.06E-04
5304	441277	3769411	1.30E-03	1.30E-03	1.47E-03	1.47E-03	2.46E-04	2.46E-04	1.08E-04	1.08E-04
5305	441245.4	3769448	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.21E-04	2.21E-04	9.67E-05	9.67E-05
5306	441230.6	3769442	1.18E-03	1.18E-03	1.32E-03	1.32E-03	2.22E-04	2.22E-04	9.72E-05	9.72E-05
5307	441215.8	3769436	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.77E-05	9.77E-05
5308	441186.2	3769424	1.20E-03	1.20E-03	1.35E-03	1.35E-03	2.26E-04	2.26E-04	9.90E-05	9.90E-05
5309	441171.4	3769418	1.21E-03	1.21E-03	1.36E-03	1.36E-03	2.28E-04	2.28E-04	9.98E-05	9.98E-05
5310	441156.6	3769412	1.22E-03	1.22E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.01E-04	1.01E-04
5311	441141.9	3769406	1.23E-03	1.23E-03	1.38E-03	1.38E-03	2.32E-04	2.32E-04	1.01E-04	1.01E-04
5312	441127.1	3769399	1.24E-03	1.24E-03	1.39E-03	1.39E-03	2.34E-04	2.34E-04	1.02E-04	1.02E-04
5313	441112.3	3769393	1.24E-03	1.24E-03	1.40E-03	1.40E-03	2.35E-04	2.35E-04	1.03E-04	1.03E-04
5314	441097.5	3769387	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.36E-04	2.36E-04	1.03E-04	1.03E-04
5315	441023.5	3769357	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.42E-04	2.42E-04	1.06E-04	1.06E-04
5316	441008.7	3769351	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.42E-04	2.42E-04	1.06E-04	1.06E-04
5317	440993.9	3769344	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.42E-04	2.42E-04	1.06E-04	1.06E-04
5318	440979.1	3769338	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.41E-04	2.41E-04	1.06E-04	1.06E-04
5319	440905.2	3769308	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.39E-04	2.39E-04	1.05E-04	1.05E-04
5320	440890.4	3769302	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.39E-04	2.39E-04	1.04E-04	1.04E-04
5321	440875.6	3769296	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.38E-04	2.38E-04	1.04E-04	1.04E-04
5322	440860.8	3769289	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.37E-04	2.37E-04	1.04E-04	1.04E-04
5323	440846	3769283	1.24E-03	1.24E-03	1.40E-03	1.40E-03	2.35E-04	2.35E-04	1.03E-04	1.03E-04
5324	440831.2	3769277	1.23E-03	1.23E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
5325	440746.8	3769163	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
5326	440740.6	3769148	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.76E-04	2.76E-04	1.21E-04	1.21E-04

5327	440734.5	3769133	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
5328	440728.3	3769118	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
5329	440722.1	3769104	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
5330	440716	3769089	1.60E-03	1.60E-03	1.80E-03	1.80E-03	3.02E-04	3.02E-04	1.32E-04	1.32E-04
5331	440709.8	3769074	1.63E-03	1.63E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
5332	440703.7	3769059	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
5333	440672.9	3768986	1.85E-03	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
5334	440666.7	3768971	1.89E-03	1.89E-03	2.13E-03	2.13E-03	3.58E-04	3.58E-04	1.57E-04	1.57E-04
5335	440660.6	3768956	1.93E-03	1.93E-03	2.18E-03	2.18E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
5336	440654.4	3768941	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
5337	440648.2	3768926	2.01E-03	2.01E-03	2.27E-03	2.27E-03	3.80E-04	3.80E-04	1.66E-04	1.66E-04
5338	440642.1	3768912	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.88E-04	3.88E-04	1.70E-04	1.70E-04
5339	440635.9	3768897	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
5340	440623.6	3768867	2.16E-03	2.16E-03	2.43E-03	2.43E-03	4.08E-04	4.08E-04	1.78E-04	1.78E-04
5341	440617.4	3768853	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.14E-04	4.14E-04	1.81E-04	1.81E-04
5342	440611.3	3768838	2.22E-03	2.22E-03	2.50E-03	2.50E-03	4.20E-04	4.20E-04	1.84E-04	1.84E-04
5343	440605.1	3768823	2.26E-03	2.26E-03	2.54E-03	2.54E-03	4.27E-04	4.27E-04	1.87E-04	1.87E-04
5344	440599	3768808	2.29E-03	2.29E-03	2.58E-03	2.58E-03	4.33E-04	4.33E-04	1.89E-04	1.89E-04
5345	441260.9	3769451	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.73E-05	9.73E-05
5346	441277	3769451	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.25E-04	2.25E-04	9.85E-05	9.85E-05
5347	441186.4	3769464	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.08E-04	2.08E-04	9.10E-05	9.10E-05
5348	441171.7	3769458	1.11E-03	1.11E-03	1.25E-03	1.25E-03	2.10E-04	2.10E-04	9.17E-05	9.17E-05
5349	441156.9	3769452	1.12E-03	1.12E-03	1.26E-03	1.26E-03	2.11E-04	2.11E-04	9.24E-05	9.24E-05
5350	441142.2	3769446	1.13E-03	1.13E-03	1.27E-03	1.27E-03	2.13E-04	2.13E-04	9.33E-05	9.33E-05
5351	441127.4	3769440	1.14E-03	1.14E-03	1.28E-03	1.28E-03	2.15E-04	2.15E-04	9.40E-05	9.40E-05
5352	441112.7	3769434	1.14E-03	1.14E-03	1.29E-03	1.29E-03	2.16E-04	2.16E-04	9.46E-05	9.46E-05
5353	441097.9	3769427	1.15E-03	1.15E-03	1.30E-03	1.30E-03	2.17E-04	2.17E-04	9.51E-05	9.51E-05
5354	441083.1	3769421	1.16E-03	1.16E-03	1.30E-03	1.30E-03	2.18E-04	2.18E-04	9.55E-05	9.55E-05
5355	441068.4	3769415	1.16E-03	1.16E-03	1.31E-03	1.31E-03	2.19E-04	2.19E-04	9.59E-05	9.59E-05
5356	441053.6	3769409	1.17E-03	1.17E-03	1.31E-03	1.31E-03	2.20E-04	2.20E-04	9.64E-05	9.64E-05
5357	441038.9	3769403	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.22E-04	2.22E-04	9.70E-05	9.70E-05
5358	440935.6	3769360	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.22E-04	2.22E-04	9.71E-05	9.71E-05
5359	440920.9	3769354	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.21E-04	2.21E-04	9.68E-05	9.68E-05
5360	440906.1	3769348	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.21E-04	2.21E-04	9.66E-05	9.66E-05
5361	440891.4	3769342	1.16E-03	1.16E-03	1.31E-03	1.31E-03	2.20E-04	2.20E-04	9.62E-05	9.62E-05
5362	440876.6	3769336	1.16E-03	1.16E-03	1.31E-03	1.31E-03	2.19E-04	2.19E-04	9.59E-05	9.59E-05
5363	440861.8	3769330	1.16E-03	1.16E-03	1.30E-03	1.30E-03	2.19E-04	2.19E-04	9.57E-05	9.57E-05
5364	440847.1	3769324	1.15E-03	1.15E-03	1.30E-03	1.30E-03	2.18E-04	2.18E-04	9.53E-05	9.53E-05
5365	440832.3	3769318	1.15E-03	1.15E-03	1.29E-03	1.29E-03	2.17E-04	2.17E-04	9.48E-05	9.48E-05
5366	440802.8	3769305	1.13E-03	1.13E-03	1.28E-03	1.28E-03	2.14E-04	2.14E-04	9.37E-05	9.37E-05
5367	440788.1	3769299	1.13E-03	1.13E-03	1.27E-03	1.27E-03	2.13E-04	2.13E-04	9.32E-05	9.32E-05
5368	440706.4	3769162	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
5369	440700.2	3769147	1.39E-03	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
5370	440694.1	3769132	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
5371	440687.9	3769118	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
5372	440681.8	3769103	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.22E-04	1.22E-04
5373	440675.7	3769088	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
5374	440669.5	3769074	1.54E-03	1.54E-03	1.74E-03	1.74E-03	2.92E-04	2.92E-04	1.28E-04	1.28E-04
5375	440663.4	3769059	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.98E-04	2.98E-04	1.30E-04	1.30E-04
5376	440632.7	3768985	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.29E-04	3.29E-04	1.44E-04	1.44E-04
5377	440626.5	3768970	1.78E-03	1.78E-03	2.00E-03	2.00E-03	3.36E-04	3.36E-04	1.47E-04	1.47E-04
5378	440620.4	3768956	1.81E-03	1.81E-03	2.04E-03	2.04E-03	3.42E-04	3.42E-04	1.50E-04	1.50E-04
5379	440614.2	3768941	1.84E-03	1.84E-03	2.08E-03	2.08E-03	3.48E-04	3.48E-04	1.52E-04	1.52E-04
5380	440608.1	3768926	1.88E-03	1.88E-03	2.11E-03	2.11E-03	3.55E-04	3.55E-04	1.55E-04	1.55E-04
5381	440601.9	3768911	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
5382	441098.3	3769468	1.06E-03	1.06E-03	1.19E-03	1.19E-03	2.00E-04	2.00E-04	8.76E-05	8.76E-05
5383	441083.6	3769461	1.06E-03	1.06E-03	1.20E-03	1.20E-03	2.01E-04	2.01E-04	8.80E-05	8.80E-05
5384	441068.8	3769455	1.07E-03	1.07E-03	1.20E-03	1.20E-03	2.02E-04	2.02E-04	8.83E-05	8.83E-05
5385	441054.1	3769449	1.07E-03	1.07E-03	1.21E-03	1.21E-03	2.03E-04	2.03E-04	8.86E-05	8.86E-05
5386	441039.4	3769443	1.08E-03	1.08E-03	1.21E-03	1.21E-03	2.03E-04	2.03E-04	8.89E-05	8.89E-05
5387	440921.7	3769395	1.09E-03	1.09E-03	1.23E-03	1.23E-03	2.05E-04	2.05E-04	8.99E-05	8.99E-05
5388	440906.9	3769388	1.08E-03	1.08E-03	1.22E-03	1.22E-03	2.05E-04	2.05E-04	8.95E-05	8.95E-05
5389	440803.9	3769346	1.06E-03	1.06E-03	1.20E-03	1.20E-03	2.01E-04	2.01E-04	8.77E-05	8.77E-05
5390	440789.2	3769340	1.06E-03	1.06E-03	1.19E-03	1.19E-03	1.99E-04	1.99E-04	8.72E-05	8.72E-05
5391	440774.5	3769334	1.05E-03	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.67E-05	8.67E-05
5392	440759.8	3769328	1.04E-03	1.04E-03	1.18E-03	1.18E-03	1.97E-04	1.97E-04	8.62E-05	8.62E-05
5393	440666	3769161	1.30E-03	1.30E-03	1.46E-03	1.46E-03	2.45E-04	2.45E-04	1.07E-04	1.07E-04
5394	440659.9	3769146	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.09E-04	1.09E-04
5395	440653.7	3769132	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.55E-04	2.55E-04	1.12E-04	1.12E-04
5396	440647.6	3769117	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
5397	440641.5	3769102	1.41E-03	1.41E-03	1.58E-03	1.58E-03	2.66E-04	2.66E-04	1.16E-04	1.16E-04
5398	440635.4	3769088	1.43E-03	1.43E-03	1.62E-03	1.62E-03	2.71E-04	2.71E-04	1.19E-04	1.19E-04
5399	440629.2	3769073	1.46E-03	1.46E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04

5400	440623.1	3769058	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
5401	440574.1	3768941	1.73E-03	1.73E-03	1.95E-03	1.95E-03	3.26E-04	3.26E-04	1.43E-04	1.43E-04
5402	440568	3768926	1.76E-03	1.76E-03	1.98E-03	1.98E-03	3.32E-04	3.32E-04	1.45E-04	1.45E-04
5403	440561.8	3768911	1.79E-03	1.79E-03	2.01E-03	2.01E-03	3.37E-04	3.37E-04	1.48E-04	1.48E-04
5404	440555.7	3768897	1.81E-03	1.81E-03	2.04E-03	2.04E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
5405	441170.9	3769538	9.50E-04	9.50E-04	1.07E-03	1.07E-03	1.80E-04	1.80E-04	7.86E-05	7.86E-05
5406	441156.1	3769531	9.56E-04	9.56E-04	1.08E-03	1.08E-03	1.81E-04	1.81E-04	7.91E-05	7.91E-05
5407	440903	3769427	1.01E-03	1.01E-03	1.14E-03	1.14E-03	1.91E-04	1.91E-04	8.36E-05	8.36E-05
5408	440888.1	3769421	1.01E-03	1.01E-03	1.14E-03	1.14E-03	1.91E-04	1.91E-04	8.34E-05	8.34E-05
5409	440873.3	3769415	1.01E-03	1.01E-03	1.13E-03	1.13E-03	1.90E-04	1.90E-04	8.32E-05	8.32E-05
5410	440858.4	3769408	1.00E-03	1.00E-03	1.13E-03	1.13E-03	1.89E-04	1.89E-04	8.28E-05	8.28E-05
5411	440843.5	3769402	9.98E-04	9.98E-04	1.13E-03	1.13E-03	1.89E-04	1.89E-04	8.26E-05	8.26E-05
5412	440828.6	3769396	9.98E-04	9.98E-04	1.13E-03	1.13E-03	1.89E-04	1.89E-04	8.26E-05	8.26E-05
5413	440739.3	3769359	9.74E-04	9.74E-04	1.10E-03	1.10E-03	1.84E-04	1.84E-04	8.06E-05	8.06E-05
5414	440724.4	3769353	9.69E-04	9.69E-04	1.09E-03	1.09E-03	1.83E-04	1.83E-04	8.01E-05	8.01E-05
5415	440709.5	3769347	9.62E-04	9.62E-04	1.08E-03	1.08E-03	1.82E-04	1.82E-04	7.95E-05	7.95E-05
5416	440699	3769336	9.67E-04	9.67E-04	1.09E-03	1.09E-03	1.83E-04	1.83E-04	8.00E-05	8.00E-05
5417	440692.8	3769322	9.85E-04	9.85E-04	1.11E-03	1.11E-03	1.86E-04	1.86E-04	8.14E-05	8.14E-05
5418	440630.8	3769173	1.22E-03	1.22E-03	1.38E-03	1.38E-03	2.31E-04	2.31E-04	1.01E-04	1.01E-04
5419	440624.6	3769158	1.24E-03	1.24E-03	1.40E-03	1.40E-03	2.35E-04	2.35E-04	1.03E-04	1.03E-04
5420	440618.4	3769143	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
5421	440612.2	3769128	1.29E-03	1.29E-03	1.46E-03	1.46E-03	2.44E-04	2.44E-04	1.07E-04	1.07E-04
5422	440606	3769113	1.32E-03	1.32E-03	1.48E-03	1.48E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
5423	440599.8	3769099	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
5424	440593.6	3769084	1.37E-03	1.37E-03	1.54E-03	1.54E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04
5425	440587.4	3769069	1.40E-03	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.15E-04	1.15E-04
5426	440581.3	3769054	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.69E-04	2.69E-04	1.17E-04	1.17E-04
5427	440575.1	3769039	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
5428	440556.5	3768994	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.89E-04	2.89E-04	1.26E-04	1.26E-04
5429	440550.3	3768980	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.94E-04	2.94E-04	1.28E-04	1.28E-04
5430	440544.1	3768965	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
5431	440889.1	3769461	9.45E-04	9.45E-04	1.06E-03	1.06E-03	1.79E-04	1.79E-04	7.81E-05	7.81E-05
5432	440874.3	3769455	9.43E-04	9.43E-04	1.06E-03	1.06E-03	1.78E-04	1.78E-04	7.80E-05	7.80E-05
5433	440859.4	3769449	9.40E-04	9.40E-04	1.06E-03	1.06E-03	1.78E-04	1.78E-04	7.77E-05	7.77E-05
5434	440844.6	3769443	9.37E-04	9.37E-04	1.06E-03	1.06E-03	1.77E-04	1.77E-04	7.75E-05	7.75E-05
5435	440829.7	3769437	9.35E-04	9.35E-04	1.05E-03	1.05E-03	1.77E-04	1.77E-04	7.73E-05	7.73E-05
5436	440800	3769424	9.30E-04	9.30E-04	1.05E-03	1.05E-03	1.76E-04	1.76E-04	7.69E-05	7.69E-05
5437	440785.2	3769418	9.27E-04	9.27E-04	1.05E-03	1.05E-03	1.75E-04	1.75E-04	7.67E-05	7.67E-05
5438	440770.3	3769412	9.23E-04	9.23E-04	1.04E-03	1.04E-03	1.75E-04	1.75E-04	7.63E-05	7.63E-05
5439	440755.5	3769406	9.20E-04	9.20E-04	1.04E-03	1.04E-03	1.74E-04	1.74E-04	7.60E-05	7.60E-05
5440	440740.7	3769400	9.16E-04	9.16E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.57E-05	7.57E-05
5441	440725.8	3769394	9.11E-04	9.11E-04	1.03E-03	1.03E-03	1.72E-04	1.72E-04	7.53E-05	7.53E-05
5442	440711	3769387	9.05E-04	9.05E-04	1.02E-03	1.02E-03	1.71E-04	1.71E-04	7.48E-05	7.48E-05
5443	440664.6	3769350	9.19E-04	9.19E-04	1.04E-03	1.04E-03	1.74E-04	1.74E-04	7.60E-05	7.60E-05
5444	440658.4	3769335	9.36E-04	9.36E-04	1.05E-03	1.05E-03	1.77E-04	1.77E-04	7.74E-05	7.74E-05
5445	440652.2	3769320	9.53E-04	9.53E-04	1.07E-03	1.07E-03	1.80E-04	1.80E-04	7.88E-05	7.88E-05
5446	440646	3769305	9.71E-04	9.71E-04	1.09E-03	1.09E-03	1.84E-04	1.84E-04	8.03E-05	8.03E-05
5447	440639.9	3769291	9.89E-04	9.89E-04	1.11E-03	1.11E-03	1.87E-04	1.87E-04	8.18E-05	8.18E-05
5448	440633.7	3769276	1.01E-03	1.01E-03	1.14E-03	1.14E-03	1.91E-04	1.91E-04	8.34E-05	8.34E-05
5449	440627.5	3769261	1.03E-03	1.03E-03	1.16E-03	1.16E-03	1.95E-04	1.95E-04	8.51E-05	8.51E-05
5450	440621.3	3769246	1.05E-03	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.67E-05	8.67E-05
5451	440590.4	3769172	1.17E-03	1.17E-03	1.31E-03	1.31E-03	2.20E-04	2.20E-04	9.64E-05	9.64E-05
5452	440584.2	3769157	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.25E-04	2.25E-04	9.82E-05	9.82E-05
5453	440578.1	3769142	1.21E-03	1.21E-03	1.36E-03	1.36E-03	2.29E-04	2.29E-04	1.00E-04	1.00E-04
5454	440571.9	3769128	1.23E-03	1.23E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
5455	440565.7	3769113	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.37E-04	2.37E-04	1.04E-04	1.04E-04
5456	440559.5	3769098	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.42E-04	2.42E-04	1.06E-04	1.06E-04
5457	440553.3	3769083	1.30E-03	1.30E-03	1.47E-03	1.47E-03	2.46E-04	2.46E-04	1.08E-04	1.08E-04
5458	440547.1	3769068	1.33E-03	1.33E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.10E-04	1.10E-04
5459	440541	3769053	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.55E-04	2.55E-04	1.11E-04	1.11E-04
5460	440534.8	3769039	1.37E-03	1.37E-03	1.55E-03	1.55E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04
5461	440786.3	3769459	8.70E-04	8.70E-04	9.81E-04	9.81E-04	1.65E-04	1.65E-04	7.20E-05	7.20E-05
5462	440771.5	3769453	8.68E-04	8.68E-04	9.78E-04	9.78E-04	1.64E-04	1.64E-04	7.18E-05	7.18E-05
5463	440697.4	3769422	8.47E-04	8.47E-04	9.54E-04	9.54E-04	1.60E-04	1.60E-04	7.00E-05	7.00E-05
5464	440682.6	3769416	8.42E-04	8.42E-04	9.49E-04	9.49E-04	1.59E-04	1.59E-04	6.96E-05	6.96E-05
5465	440667.8	3769410	8.38E-04	8.38E-04	9.44E-04	9.44E-04	1.58E-04	1.58E-04	6.92E-05	6.92E-05
5466	440653	3769404	8.36E-04	8.36E-04	9.42E-04	9.42E-04	1.58E-04	1.58E-04	6.91E-05	6.91E-05
5467	440642.5	3769393	8.41E-04	8.41E-04	9.48E-04	9.48E-04	1.59E-04	1.59E-04	6.96E-05	6.96E-05
5468	440624	3769349	8.90E-04	8.90E-04	1.00E-03	1.00E-03	1.68E-04	1.68E-04	7.36E-05	7.36E-05
5469	440617.9	3769334	9.08E-04	9.08E-04	1.02E-03	1.02E-03	1.72E-04	1.72E-04	7.51E-05	7.51E-05
5470	440611.7	3769319	9.35E-04	9.35E-04	1.05E-03	1.05E-03	1.77E-04	1.77E-04	7.73E-05	7.73E-05
5471	440605.5	3769304	9.52E-04	9.52E-04	1.07E-03	1.07E-03	1.80E-04	1.80E-04	7.87E-05	7.87E-05
5472	440599.4	3769290	9.69E-04	9.69E-04	1.09E-03	1.09E-03	1.83E-04	1.83E-04	8.01E-05	8.01E-05

5473	440593.2	3769275	9.86E-04	9.86E-04	1.11E-03	1.11E-03	1.86E-04	1.86E-04	8.15E-05	8.15E-05
5474	440587	3769260	1.00E-03	1.00E-03	1.13E-03	1.13E-03	1.90E-04	1.90E-04	8.29E-05	8.29E-05
5475	440580.9	3769245	1.02E-03	1.02E-03	1.15E-03	1.15E-03	1.93E-04	1.93E-04	8.45E-05	8.45E-05
5476	440574.7	3769230	1.04E-03	1.04E-03	1.17E-03	1.17E-03	1.97E-04	1.97E-04	8.60E-05	8.60E-05
5477	440568.5	3769216	1.06E-03	1.06E-03	1.19E-03	1.19E-03	2.00E-04	2.00E-04	8.75E-05	8.75E-05
5478	440562.4	3769201	1.08E-03	1.08E-03	1.21E-03	1.21E-03	2.04E-04	2.04E-04	8.91E-05	8.91E-05
5479	440550	3769171	1.12E-03	1.12E-03	1.26E-03	1.26E-03	2.11E-04	2.11E-04	9.23E-05	9.23E-05
5480	440543.9	3769156	1.14E-03	1.14E-03	1.28E-03	1.28E-03	2.15E-04	2.15E-04	9.39E-05	9.39E-05
5481	440537.7	3769142	1.16E-03	1.16E-03	1.30E-03	1.30E-03	2.19E-04	2.19E-04	9.56E-05	9.56E-05
5482	440531.5	3769127	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.22E-04	2.22E-04	9.72E-05	9.72E-05
5483	440525.4	3769112	1.20E-03	1.20E-03	1.35E-03	1.35E-03	2.26E-04	2.26E-04	9.90E-05	9.90E-05
5484	440519.2	3769097	1.22E-03	1.22E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.01E-04	1.01E-04
5485	440513	3769082	1.24E-03	1.24E-03	1.40E-03	1.40E-03	2.34E-04	2.34E-04	1.02E-04	1.02E-04
5486	440506.9	3769068	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.38E-04	2.38E-04	1.04E-04	1.04E-04
5487	440500.7	3769053	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.42E-04	2.42E-04	1.06E-04	1.06E-04
5488	440494.5	3769038	1.30E-03	1.30E-03	1.47E-03	1.47E-03	2.46E-04	2.46E-04	1.08E-04	1.08E-04
5489	440420.6	3768861	1.55E-03	1.55E-03	1.74E-03	1.74E-03	2.92E-04	2.92E-04	1.28E-04	1.28E-04
5490	441245.4	3769688	7.40E-04	7.40E-04	8.34E-04	8.34E-04	1.40E-04	1.40E-04	6.12E-05	6.12E-05
5491	441230.6	3769682	7.45E-04	7.45E-04	8.40E-04	8.40E-04	1.41E-04	1.41E-04	6.16E-05	6.16E-05
5492	440614.3	3769421	7.91E-04	7.91E-04	8.91E-04	8.91E-04	1.49E-04	1.49E-04	6.54E-05	6.54E-05
5493	440608.1	3769407	8.04E-04	8.04E-04	9.06E-04	9.06E-04	1.52E-04	1.52E-04	6.65E-05	6.65E-05
5494	440602	3769392	8.18E-04	8.18E-04	9.22E-04	9.22E-04	1.55E-04	1.55E-04	6.76E-05	6.76E-05
5495	440583.5	3769348	8.74E-04	8.74E-04	9.85E-04	9.85E-04	1.65E-04	1.65E-04	7.23E-05	7.23E-05
5496	440577.4	3769333	8.89E-04	8.89E-04	1.00E-03	1.00E-03	1.68E-04	1.68E-04	7.35E-05	7.35E-05
5497	440571.2	3769318	9.04E-04	9.04E-04	1.02E-03	1.02E-03	1.71E-04	1.71E-04	7.47E-05	7.47E-05
5498	440565.1	3769303	9.19E-04	9.19E-04	1.04E-03	1.04E-03	1.74E-04	1.74E-04	7.60E-05	7.60E-05
5499	440558.9	3769289	9.34E-04	9.34E-04	1.05E-03	1.05E-03	1.77E-04	1.77E-04	7.73E-05	7.73E-05
5500	440552.8	3769274	9.50E-04	9.50E-04	1.07E-03	1.07E-03	1.80E-04	1.80E-04	7.85E-05	7.85E-05
5501	440546.6	3769259	9.66E-04	9.66E-04	1.09E-03	1.09E-03	1.83E-04	1.83E-04	7.98E-05	7.98E-05
5502	440540.5	3769244	9.82E-04	9.82E-04	1.11E-03	1.11E-03	1.86E-04	1.86E-04	8.12E-05	8.12E-05
5503	440534.3	3769230	9.86E-04	9.86E-04	1.11E-03	1.11E-03	1.86E-04	1.86E-04	8.15E-05	8.15E-05
5504	440528.2	3769215	1.00E-03	1.00E-03	1.13E-03	1.13E-03	1.90E-04	1.90E-04	8.29E-05	8.29E-05
5505	440522	3769200	1.02E-03	1.02E-03	1.15E-03	1.15E-03	1.93E-04	1.93E-04	8.44E-05	8.44E-05
5506	440509.7	3769171	1.06E-03	1.06E-03	1.19E-03	1.19E-03	2.00E-04	2.00E-04	8.74E-05	8.74E-05
5507	440503.5	3769156	1.07E-03	1.07E-03	1.21E-03	1.21E-03	2.03E-04	2.03E-04	8.88E-05	8.88E-05
5508	440497.4	3769141	1.09E-03	1.09E-03	1.23E-03	1.23E-03	2.06E-04	2.06E-04	9.02E-05	9.02E-05
5509	440491.2	3769126	1.11E-03	1.11E-03	1.25E-03	1.25E-03	2.10E-04	2.10E-04	9.17E-05	9.17E-05
5510	440485.1	3769111	1.13E-03	1.13E-03	1.27E-03	1.27E-03	2.13E-04	2.13E-04	9.32E-05	9.32E-05
5511	440478.9	3769097	1.15E-03	1.15E-03	1.29E-03	1.29E-03	2.17E-04	2.17E-04	9.48E-05	9.48E-05
5512	440472.8	3769082	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.21E-04	2.21E-04	9.65E-05	9.65E-05
5513	440466.6	3769067	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.24E-04	2.24E-04	9.81E-05	9.81E-05
5514	440460.5	3769052	1.22E-03	1.22E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.01E-04	1.01E-04
5515	440454.3	3769038	1.24E-03	1.24E-03	1.39E-03	1.39E-03	2.34E-04	2.34E-04	1.02E-04	1.02E-04
5516	440435.9	3768993	1.29E-03	1.29E-03	1.46E-03	1.46E-03	2.44E-04	2.44E-04	1.07E-04	1.07E-04
5517	440429.7	3768979	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.08E-04	1.08E-04
5518	440423.6	3768964	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.51E-04	2.51E-04	1.10E-04	1.10E-04
5519	440417.4	3768949	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.55E-04	2.55E-04	1.12E-04	1.12E-04
5520	440411.3	3768934	1.37E-03	1.37E-03	1.54E-03	1.54E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04
5521	440386.6	3768875	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.72E-04	2.72E-04	1.19E-04	1.19E-04
5522	440380.5	3768861	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
5523	441260.9	3769691	7.38E-04	7.38E-04	8.32E-04	8.32E-04	1.40E-04	1.40E-04	6.10E-05	6.10E-05
5524	441277	3769691	7.42E-04	7.42E-04	8.36E-04	8.36E-04	1.40E-04	1.40E-04	6.13E-05	6.13E-05
5525	441264.9	3768800	6.25E-02	6.25E-02	7.04E-02	7.04E-02	1.18E-02	1.18E-02	5.17E-03	5.17E-03
5526	441224.9	3768799	3.05E-02	3.05E-02	3.44E-02	3.44E-02	5.76E-03	5.76E-03	2.52E-03	2.52E-03
5527	441204.9	3768799	2.42E-02	2.42E-02	2.73E-02	2.73E-02	4.58E-03	4.58E-03	2.00E-03	2.00E-03
5528	441064.9	3768797	9.59E-03	9.59E-03	1.08E-02	1.08E-02	1.81E-03	1.81E-03	7.93E-04	7.93E-04
5529	441044.9	3768796	8.73E-03	8.73E-03	9.84E-03	9.84E-03	1.65E-03	1.65E-03	7.22E-04	7.22E-04
5530	441005.1	3768787	7.60E-03	7.60E-03	8.57E-03	8.57E-03	1.44E-03	1.44E-03	6.29E-04	6.29E-04
5531	440944.8	3768804	5.69E-03	5.69E-03	6.41E-03	6.41E-03	1.08E-03	1.08E-03	4.71E-04	4.71E-04
5532	440904.8	3768803	4.99E-03	4.99E-03	5.62E-03	5.62E-03	9.43E-04	9.43E-04	4.12E-04	4.12E-04
5533	440864.8	3768802	4.41E-03	4.41E-03	4.97E-03	4.97E-03	8.34E-04	8.34E-04	3.65E-04	3.65E-04
5534	440824.8	3768802	3.94E-03	3.94E-03	4.44E-03	4.44E-03	7.44E-04	7.44E-04	3.26E-04	3.26E-04
5535	440784.8	3768801	3.54E-03	3.54E-03	3.99E-03	3.99E-03	6.70E-04	6.70E-04	2.93E-04	2.93E-04
5536	440744.8	3768800	3.21E-03	3.21E-03	3.62E-03	3.62E-03	6.06E-04	6.06E-04	2.65E-04	2.65E-04
5537	440704.8	3768800	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.52E-04	5.52E-04	2.41E-04	2.41E-04
5538	440664.9	3768799	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.05E-04	5.05E-04	2.21E-04	2.21E-04
5539	440624.9	3768799	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.64E-04	4.64E-04	2.03E-04	2.03E-04
5540	441300.4	3768863	2.13E-02	2.13E-02	2.40E-02	2.40E-02	4.02E-03	4.02E-03	1.76E-03	1.76E-03
5541	441308	3768881	1.72E-02	1.72E-02	1.94E-02	1.94E-02	3.26E-03	3.26E-03	1.42E-03	1.42E-03
5542	441291.1	3768880	1.62E-02	1.62E-02	1.82E-02	1.82E-02	3.05E-03	3.05E-03	1.34E-03	1.34E-03
5543	441298.4	3768898	1.36E-02	1.36E-02	1.54E-02	1.54E-02	2.57E-03	2.57E-03	1.13E-03	1.13E-03
5544	441196.9	3768830	1.63E-02	1.63E-02	1.84E-02	1.84E-02	3.08E-03	3.08E-03	1.35E-03	1.35E-03
5545	441177.1	3768830	1.44E-02	1.44E-02	1.62E-02	1.62E-02	2.72E-03	2.72E-03	1.19E-03	1.19E-03

5546	441215.8	3768926	8.08E-03	8.08E-03	9.11E-03	9.11E-03	1.53E-03	1.53E-03	6.68E-04	6.68E-04
5547	441169.7	3768854	1.14E-02	1.14E-02	1.29E-02	1.29E-02	2.16E-03	2.16E-03	9.43E-04	9.43E-04
5548	441294.4	3768951	8.40E-03	8.40E-03	9.47E-03	9.47E-03	1.59E-03	1.59E-03	6.95E-04	6.95E-04
5549	441222.7	3768944	7.30E-03	7.30E-03	8.22E-03	8.22E-03	1.38E-03	1.38E-03	6.03E-04	6.03E-04
5550	441179.1	3768910	7.98E-03	7.98E-03	9.00E-03	9.00E-03	1.51E-03	1.51E-03	6.60E-04	6.60E-04
5551	441149.9	3768854	1.04E-02	1.04E-02	1.17E-02	1.17E-02	1.96E-03	1.96E-03	8.58E-04	8.58E-04
5552	441293	3768968	7.38E-03	7.38E-03	8.32E-03	8.32E-03	1.40E-03	1.40E-03	6.10E-04	6.10E-04
5553	441202.8	3768960	6.30E-03	6.30E-03	7.10E-03	7.10E-03	1.19E-03	1.19E-03	5.21E-04	5.21E-04
5554	441193.7	3768959	6.19E-03	6.19E-03	6.98E-03	6.98E-03	1.17E-03	1.17E-03	5.12E-04	5.12E-04
5555	441180.5	3768950	6.29E-03	6.29E-03	7.09E-03	7.09E-03	1.19E-03	1.19E-03	5.20E-04	5.20E-04
5556	441167.9	3768926	6.96E-03	6.96E-03	7.84E-03	7.84E-03	1.32E-03	1.32E-03	5.75E-04	5.75E-04
5557	441130	3768854	9.46E-03	9.46E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.83E-04	7.83E-04
5558	441291.5	3768986	6.56E-03	6.56E-03	7.39E-03	7.39E-03	1.24E-03	1.24E-03	5.42E-04	5.42E-04
5559	441191.7	3768977	5.59E-03	5.59E-03	6.30E-03	6.30E-03	1.06E-03	1.06E-03	4.62E-04	4.62E-04
5560	441169.4	3768967	5.58E-03	5.58E-03	6.29E-03	6.29E-03	1.06E-03	1.06E-03	4.62E-04	4.62E-04
5561	441144	3768919	6.76E-03	6.76E-03	7.62E-03	7.62E-03	1.28E-03	1.28E-03	5.59E-04	5.59E-04
5562	441122.9	3768878	7.92E-03	7.92E-03	8.92E-03	8.92E-03	1.50E-03	1.50E-03	6.55E-04	6.55E-04
5563	441110.2	3768854	8.67E-03	8.67E-03	9.77E-03	9.77E-03	1.64E-03	1.64E-03	7.17E-04	7.17E-04
5564	441081.8	3768838	8.40E-03	8.40E-03	9.47E-03	9.47E-03	1.59E-03	1.59E-03	6.95E-04	6.95E-04
5565	441077.5	3768830	8.61E-03	8.61E-03	9.71E-03	9.71E-03	1.63E-03	1.63E-03	7.12E-04	7.12E-04
5566	441069	3768813	9.00E-03	9.00E-03	1.01E-02	1.01E-02	1.70E-03	1.70E-03	7.44E-04	7.44E-04
5567	441121.5	3768951	5.32E-03	5.32E-03	5.99E-03	5.99E-03	1.01E-03	1.01E-03	4.40E-04	4.40E-04
5568	441117.3	3768943	5.47E-03	5.47E-03	6.17E-03	6.17E-03	1.03E-03	1.03E-03	4.52E-04	4.52E-04
5569	441113	3768935	5.63E-03	5.63E-03	6.35E-03	6.35E-03	1.06E-03	1.06E-03	4.66E-04	4.66E-04
5570	441074.6	3768862	7.19E-03	7.19E-03	8.10E-03	8.10E-03	1.36E-03	1.36E-03	5.95E-04	5.95E-04
5571	441066.1	3768846	7.55E-03	7.55E-03	8.51E-03	8.51E-03	1.43E-03	1.43E-03	6.24E-04	6.24E-04
5572	441061.9	3768838	7.73E-03	7.73E-03	8.71E-03	8.71E-03	1.46E-03	1.46E-03	6.39E-04	6.39E-04
5573	441057.6	3768829	7.90E-03	7.90E-03	8.91E-03	8.91E-03	1.49E-03	1.49E-03	6.53E-04	6.53E-04
5574	441049.1	3768813	8.23E-03	8.23E-03	9.28E-03	9.28E-03	1.56E-03	1.56E-03	6.81E-04	6.81E-04
5575	441231.9	3769033	4.50E-03	4.50E-03	5.07E-03	5.07E-03	8.51E-04	8.51E-04	3.72E-04	3.72E-04
5576	441176.9	3769028	4.20E-03	4.20E-03	4.73E-03	4.73E-03	7.93E-04	7.93E-04	3.47E-04	3.47E-04
5577	441167.7	3769027	4.14E-03	4.14E-03	4.67E-03	4.67E-03	7.83E-04	7.83E-04	3.43E-04	3.43E-04
5578	441118.9	3768984	4.54E-03	4.54E-03	5.12E-03	5.12E-03	8.59E-04	8.59E-04	3.76E-04	3.76E-04
5579	441101.8	3768952	5.05E-03	5.05E-03	5.69E-03	5.69E-03	9.54E-04	9.54E-04	4.17E-04	4.17E-04
5580	441054.7	3768862	6.68E-03	6.68E-03	7.53E-03	7.53E-03	1.26E-03	1.26E-03	5.52E-04	5.52E-04
5581	441046.2	3768846	6.99E-03	6.99E-03	7.88E-03	7.88E-03	1.32E-03	1.32E-03	5.78E-04	5.78E-04
5582	441041.9	3768837	7.14E-03	7.14E-03	8.05E-03	8.05E-03	1.35E-03	1.35E-03	5.90E-04	5.90E-04
5583	441037.6	3768829	7.29E-03	7.29E-03	8.21E-03	8.21E-03	1.38E-03	1.38E-03	6.03E-04	6.03E-04
5584	441165.9	3769045	3.82E-03	3.82E-03	4.31E-03	4.31E-03	7.23E-04	7.23E-04	3.16E-04	3.16E-04
5585	441120.5	3769025	3.83E-03	3.83E-03	4.31E-03	4.31E-03	7.24E-04	7.24E-04	3.17E-04	3.17E-04
5586	441094.8	3768976	4.45E-03	4.45E-03	5.01E-03	5.01E-03	8.41E-04	8.41E-04	3.68E-04	3.68E-04
5587	441022	3768837	6.62E-03	6.62E-03	7.46E-03	7.46E-03	1.25E-03	1.25E-03	5.47E-04	5.47E-04
5588	441017.7	3768829	6.75E-03	6.75E-03	7.60E-03	7.60E-03	1.28E-03	1.28E-03	5.58E-04	5.58E-04
5589	441009.1	3768813	6.98E-03	6.98E-03	7.87E-03	7.87E-03	1.32E-03	1.32E-03	5.77E-04	5.77E-04
5590	441293.1	3769074	4.07E-03	4.07E-03	4.59E-03	4.59E-03	7.69E-04	7.69E-04	3.36E-04	3.36E-04
5591	441219.4	3769067	3.78E-03	3.78E-03	4.26E-03	4.26E-03	7.14E-04	7.14E-04	3.12E-04	3.12E-04
5592	441210.1	3769067	3.74E-03	3.74E-03	4.22E-03	4.22E-03	7.08E-04	7.08E-04	3.09E-04	3.09E-04
5593	441164.1	3769062	3.54E-03	3.54E-03	3.99E-03	3.99E-03	6.70E-04	6.70E-04	2.93E-04	2.93E-04
5594	441154.9	3769062	3.50E-03	3.50E-03	3.95E-03	3.95E-03	6.62E-04	6.62E-04	2.90E-04	2.90E-04
5595	441145.6	3769061	3.46E-03	3.46E-03	3.90E-03	3.90E-03	6.54E-04	6.54E-04	2.86E-04	2.86E-04
5596	441136.4	3769060	3.42E-03	3.42E-03	3.86E-03	3.86E-03	6.47E-04	6.47E-04	2.83E-04	2.83E-04
5597	441127.2	3769059	3.38E-03	3.38E-03	3.81E-03	3.81E-03	6.39E-04	6.39E-04	2.79E-04	2.79E-04
5598	441113.7	3769050	3.42E-03	3.42E-03	3.85E-03	3.85E-03	6.46E-04	6.46E-04	2.83E-04	2.83E-04
5599	441109.4	3769042	3.50E-03	3.50E-03	3.95E-03	3.95E-03	6.62E-04	6.62E-04	2.90E-04	2.90E-04
5600	441096.5	3769017	3.77E-03	3.77E-03	4.25E-03	4.25E-03	7.12E-04	7.12E-04	3.12E-04	3.12E-04
5601	441083.6	3768993	4.05E-03	4.05E-03	4.56E-03	4.56E-03	7.65E-04	7.65E-04	3.35E-04	3.35E-04
5602	441075	3768976	4.24E-03	4.24E-03	4.78E-03	4.78E-03	8.02E-04	8.02E-04	3.51E-04	3.51E-04
5603	441014.9	3768861	5.81E-03	5.81E-03	6.55E-03	6.55E-03	1.10E-03	1.10E-03	4.81E-04	4.81E-04
5604	441006.3	3768845	6.04E-03	6.04E-03	6.81E-03	6.81E-03	1.14E-03	1.14E-03	5.00E-04	5.00E-04
5605	441002	3768837	6.16E-03	6.16E-03	6.94E-03	6.94E-03	1.16E-03	1.16E-03	5.09E-04	5.09E-04
5606	440997.7	3768829	6.27E-03	6.27E-03	7.06E-03	7.06E-03	1.18E-03	1.18E-03	5.18E-04	5.18E-04
5607	440989.1	3768812	6.48E-03	6.48E-03	7.30E-03	7.30E-03	1.22E-03	1.22E-03	5.35E-04	5.35E-04
5608	441234.5	3769104	3.31E-03	3.31E-03	3.73E-03	3.73E-03	6.26E-04	6.26E-04	2.74E-04	2.74E-04
5609	441225.3	3769103	3.28E-03	3.28E-03	3.70E-03	3.70E-03	6.21E-04	6.21E-04	2.72E-04	2.72E-04
5610	441216	3769102	3.26E-03	3.26E-03	3.67E-03	3.67E-03	6.16E-04	6.16E-04	2.69E-04	2.69E-04
5611	441206.8	3769102	3.23E-03	3.23E-03	3.64E-03	3.64E-03	6.11E-04	6.11E-04	2.67E-04	2.67E-04
5612	441197.5	3769101	3.20E-03	3.20E-03	3.61E-03	3.61E-03	6.05E-04	6.05E-04	2.65E-04	2.65E-04
5613	441142	3769096	3.01E-03	3.01E-03	3.40E-03	3.40E-03	5.69E-04	5.69E-04	2.49E-04	2.49E-04
5614	441132.8	3769095	2.98E-03	2.98E-03	3.36E-03	3.36E-03	5.64E-04	5.64E-04	2.46E-04	2.46E-04
5615	441123.5	3769094	2.95E-03	2.95E-03	3.32E-03	3.32E-03	5.57E-04	5.57E-04	2.44E-04	2.44E-04
5616	441114.3	3769093	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.52E-04	5.52E-04	2.41E-04	2.41E-04
5617	441105	3769092	2.89E-03	2.89E-03	3.25E-03	3.25E-03	5.46E-04	5.46E-04	2.39E-04	2.39E-04
5618	441091.4	3769083	2.92E-03	2.92E-03	3.29E-03	3.29E-03	5.52E-04	5.52E-04	2.41E-04	2.41E-04

5619	441087.1	3769075	2.98E-03	2.98E-03	3.36E-03	3.36E-03	5.63E-04	5.63E-04	2.46E-04	2.46E-04
5620	441069.9	3769042	3.24E-03	3.24E-03	3.66E-03	3.66E-03	6.13E-04	6.13E-04	2.68E-04	2.68E-04
5621	441065.6	3769034	3.32E-03	3.32E-03	3.74E-03	3.74E-03	6.27E-04	6.27E-04	2.74E-04	2.74E-04
5622	441061.3	3769026	3.39E-03	3.39E-03	3.82E-03	3.82E-03	6.41E-04	6.41E-04	2.80E-04	2.80E-04
5623	440975	3768861	5.11E-03	5.11E-03	5.76E-03	5.76E-03	9.66E-04	9.66E-04	4.23E-04	4.23E-04
5624	440966.4	3768845	5.29E-03	5.29E-03	5.96E-03	5.96E-03	1.00E-03	1.00E-03	4.37E-04	4.37E-04
5625	440957.8	3768828	5.46E-03	5.46E-03	6.15E-03	6.15E-03	1.03E-03	1.03E-03	4.51E-04	4.51E-04
5626	440953.4	3768820	5.54E-03	5.54E-03	6.24E-03	6.24E-03	1.05E-03	1.05E-03	4.58E-04	4.58E-04
5627	440949.1	3768812	5.62E-03	5.62E-03	6.33E-03	6.33E-03	1.06E-03	1.06E-03	4.64E-04	4.64E-04
5628	441231.2	3769139	2.88E-03	2.88E-03	3.24E-03	3.24E-03	5.44E-04	5.44E-04	2.38E-04	2.38E-04
5629	441222	3769138	2.86E-03	2.86E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04
5630	441212.7	3769137	2.84E-03	2.84E-03	3.20E-03	3.20E-03	5.37E-04	5.37E-04	2.35E-04	2.35E-04
5631	441203.4	3769137	2.82E-03	2.82E-03	3.18E-03	3.18E-03	5.33E-04	5.33E-04	2.33E-04	2.33E-04
5632	441194.1	3769136	2.80E-03	2.80E-03	3.15E-03	3.15E-03	5.29E-04	5.29E-04	2.31E-04	2.31E-04
5633	441184.9	3769135	2.78E-03	2.78E-03	3.13E-03	3.13E-03	5.25E-04	5.25E-04	2.30E-04	2.30E-04
5634	441129.2	3769130	2.63E-03	2.63E-03	2.97E-03	2.97E-03	4.98E-04	4.98E-04	2.18E-04	2.18E-04
5635	441119.9	3769129	2.61E-03	2.61E-03	2.94E-03	2.94E-03	4.93E-04	4.93E-04	2.16E-04	2.16E-04
5636	441110.6	3769128	2.58E-03	2.58E-03	2.91E-03	2.91E-03	4.88E-04	4.88E-04	2.13E-04	2.13E-04
5637	441101.4	3769127	2.56E-03	2.56E-03	2.88E-03	2.88E-03	4.83E-04	4.83E-04	2.11E-04	2.11E-04
5638	441092.1	3769126	2.53E-03	2.53E-03	2.85E-03	2.85E-03	4.78E-04	4.78E-04	2.09E-04	2.09E-04
5639	441082.8	3769126	2.50E-03	2.50E-03	2.82E-03	2.82E-03	4.73E-04	4.73E-04	2.07E-04	2.07E-04
5640	441069.2	3769116	2.52E-03	2.52E-03	2.85E-03	2.85E-03	4.77E-04	4.77E-04	2.09E-04	2.09E-04
5641	441064.9	3769108	2.57E-03	2.57E-03	2.90E-03	2.90E-03	4.86E-04	4.86E-04	2.13E-04	2.13E-04
5642	441060.5	3769100	2.62E-03	2.62E-03	2.96E-03	2.96E-03	4.96E-04	4.96E-04	2.17E-04	2.17E-04
5643	441047.6	3769075	2.74E-03	2.74E-03	3.09E-03	3.09E-03	5.18E-04	5.18E-04	2.26E-04	2.26E-04
5644	441043.2	3769067	2.79E-03	2.79E-03	3.14E-03	3.14E-03	5.27E-04	5.27E-04	2.31E-04	2.31E-04
5645	441038.9	3769059	2.84E-03	2.84E-03	3.20E-03	3.20E-03	5.37E-04	5.37E-04	2.35E-04	2.35E-04
5646	441034.6	3769050	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.48E-04	5.48E-04	2.40E-04	2.40E-04
5647	441021.6	3769026	3.12E-03	3.12E-03	3.52E-03	3.52E-03	5.91E-04	5.91E-04	2.58E-04	2.58E-04
5648	441017.3	3769017	3.19E-03	3.19E-03	3.59E-03	3.59E-03	6.03E-04	6.03E-04	2.64E-04	2.64E-04
5649	441000	3768984	3.45E-03	3.45E-03	3.89E-03	3.89E-03	6.53E-04	6.53E-04	2.86E-04	2.86E-04
5650	440935.1	3768861	4.54E-03	4.54E-03	5.11E-03	5.11E-03	8.58E-04	8.58E-04	3.75E-04	3.75E-04
5651	440926.4	3768844	4.67E-03	4.67E-03	5.27E-03	5.27E-03	8.83E-04	8.83E-04	3.86E-04	3.86E-04
5652	440917.8	3768828	4.80E-03	4.80E-03	5.42E-03	5.42E-03	9.08E-04	9.08E-04	3.97E-04	3.97E-04
5653	440913.5	3768819	4.87E-03	4.87E-03	5.49E-03	5.49E-03	9.20E-04	9.20E-04	4.02E-04	4.02E-04
5654	440909.1	3768811	4.93E-03	4.93E-03	5.56E-03	5.56E-03	9.32E-04	9.32E-04	4.08E-04	4.08E-04
5655	441237.3	3769175	2.54E-03	2.54E-03	2.87E-03	2.87E-03	4.81E-04	4.81E-04	2.10E-04	2.10E-04
5656	441228	3769174	2.53E-03	2.53E-03	2.85E-03	2.85E-03	4.78E-04	4.78E-04	2.09E-04	2.09E-04
5657	441218.7	3769173	2.51E-03	2.51E-03	2.83E-03	2.83E-03	4.75E-04	4.75E-04	2.08E-04	2.08E-04
5658	441209.4	3769172	2.50E-03	2.50E-03	2.81E-03	2.81E-03	4.72E-04	4.72E-04	2.06E-04	2.06E-04
5659	441200.1	3769171	2.48E-03	2.48E-03	2.80E-03	2.80E-03	4.69E-04	4.69E-04	2.05E-04	2.05E-04
5660	441190.8	3769171	2.47E-03	2.47E-03	2.78E-03	2.78E-03	4.67E-04	4.67E-04	2.04E-04	2.04E-04
5661	441181.5	3769170	2.45E-03	2.45E-03	2.77E-03	2.77E-03	4.64E-04	4.64E-04	2.03E-04	2.03E-04
5662	441116.4	3769164	2.32E-03	2.32E-03	2.61E-03	2.61E-03	4.38E-04	4.38E-04	1.92E-04	1.92E-04
5663	441107.1	3769163	2.28E-03	2.28E-03	2.57E-03	2.57E-03	4.32E-04	4.32E-04	1.89E-04	1.89E-04
5664	441097.8	3769162	2.26E-03	2.26E-03	2.55E-03	2.55E-03	4.27E-04	4.27E-04	1.87E-04	1.87E-04
5665	441088.5	3769161	2.23E-03	2.23E-03	2.52E-03	2.52E-03	4.22E-04	4.22E-04	1.85E-04	1.85E-04
5666	441079.2	3769160	2.21E-03	2.21E-03	2.50E-03	2.50E-03	4.19E-04	4.19E-04	1.83E-04	1.83E-04
5667	441069.9	3769160	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.15E-04	4.15E-04	1.81E-04	1.81E-04
5668	441060.6	3769159	2.17E-03	2.17E-03	2.45E-03	2.45E-03	4.11E-04	4.11E-04	1.80E-04	1.80E-04
5669	441047	3769150	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.15E-04	4.15E-04	1.81E-04	1.81E-04
5670	441042.6	3769141	2.23E-03	2.23E-03	2.52E-03	2.52E-03	4.22E-04	4.22E-04	1.85E-04	1.85E-04
5671	441038.3	3769133	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.29E-04	4.29E-04	1.87E-04	1.87E-04
5672	441020.9	3769100	2.40E-03	2.40E-03	2.71E-03	2.71E-03	4.54E-04	4.54E-04	1.99E-04	1.99E-04
5673	441016.6	3769092	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.62E-04	4.62E-04	2.02E-04	2.02E-04
5674	441012.3	3769083	2.48E-03	2.48E-03	2.80E-03	2.80E-03	4.70E-04	4.70E-04	2.05E-04	2.05E-04
5675	440994.9	3769050	2.68E-03	2.68E-03	3.02E-03	3.02E-03	5.07E-04	5.07E-04	2.22E-04	2.22E-04
5676	440990.6	3769042	2.74E-03	2.74E-03	3.09E-03	3.09E-03	5.18E-04	5.18E-04	2.27E-04	2.27E-04
5677	440986.2	3769034	2.80E-03	2.80E-03	3.15E-03	3.15E-03	5.29E-04	5.29E-04	2.31E-04	2.31E-04
5678	440981.9	3769026	2.89E-03	2.89E-03	3.26E-03	3.26E-03	5.46E-04	5.46E-04	2.39E-04	2.39E-04
5679	440977.6	3769017	2.94E-03	2.94E-03	3.32E-03	3.32E-03	5.56E-04	5.56E-04	2.43E-04	2.43E-04
5680	440873.5	3768819	4.32E-03	4.32E-03	4.87E-03	4.87E-03	8.17E-04	8.17E-04	3.57E-04	3.57E-04
5681	440869.2	3768811	4.37E-03	4.37E-03	4.92E-03	4.92E-03	8.26E-04	8.26E-04	3.61E-04	3.61E-04
5682	441457.7	3769230	2.64E-03	2.64E-03	2.97E-03	2.97E-03	4.99E-04	4.99E-04	2.18E-04	2.18E-04
5683	441448.4	3769229	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.16E-04	2.16E-04
5684	441439.1	3769229	2.60E-03	2.60E-03	2.93E-03	2.93E-03	4.91E-04	4.91E-04	2.15E-04	2.15E-04
5685	441429.8	3769228	2.58E-03	2.58E-03	2.91E-03	2.91E-03	4.88E-04	4.88E-04	2.13E-04	2.13E-04
5686	441420.5	3769227	2.56E-03	2.56E-03	2.89E-03	2.89E-03	4.84E-04	4.84E-04	2.12E-04	2.12E-04
5687	441411.1	3769226	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.80E-04	4.80E-04	2.10E-04	2.10E-04
5688	441401.8	3769225	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
5689	441392.5	3769224	2.50E-03	2.50E-03	2.82E-03	2.82E-03	4.73E-04	4.73E-04	2.07E-04	2.07E-04
5690	441383.2	3769223	2.48E-03	2.48E-03	2.80E-03	2.80E-03	4.69E-04	4.69E-04	2.05E-04	2.05E-04
5691	441373.9	3769223	2.46E-03	2.46E-03	2.78E-03	2.78E-03	4.66E-04	4.66E-04	2.04E-04	2.04E-04

5692	441364.5	3769222	2.45E-03	2.45E-03	2.76E-03	2.76E-03	4.63E-04	4.63E-04	2.02E-04	2.02E-04
5693	441355.2	3769221	2.43E-03	2.43E-03	2.74E-03	2.74E-03	4.60E-04	4.60E-04	2.01E-04	2.01E-04
5694	441345.9	3769220	2.42E-03	2.42E-03	2.72E-03	2.72E-03	4.57E-04	4.57E-04	2.00E-04	2.00E-04
5695	441336.6	3769219	2.40E-03	2.40E-03	2.71E-03	2.71E-03	4.54E-04	4.54E-04	1.99E-04	1.99E-04
5696	441327.3	3769218	2.39E-03	2.39E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
5697	441317.9	3769218	2.37E-03	2.37E-03	2.68E-03	2.68E-03	4.49E-04	4.49E-04	1.96E-04	1.96E-04
5698	441308.6	3769217	2.36E-03	2.36E-03	2.66E-03	2.66E-03	4.46E-04	4.46E-04	1.95E-04	1.95E-04
5699	441299.3	3769216	2.35E-03	2.35E-03	2.65E-03	2.65E-03	4.44E-04	4.44E-04	1.94E-04	1.94E-04
5700	441290	3769215	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.41E-04	4.41E-04	1.93E-04	1.93E-04
5701	441020.4	3769175	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
5702	441016	3769166	2.01E-03	2.01E-03	2.26E-03	2.26E-03	3.80E-04	3.80E-04	1.66E-04	1.66E-04
5703	441003	3769141	2.13E-03	2.13E-03	2.40E-03	2.40E-03	4.02E-04	4.02E-04	1.76E-04	1.76E-04
5704	440998.6	3769133	2.14E-03	2.14E-03	2.41E-03	2.41E-03	4.05E-04	4.05E-04	1.77E-04	1.77E-04
5705	440994.3	3769125	2.17E-03	2.17E-03	2.44E-03	2.44E-03	4.10E-04	4.10E-04	1.79E-04	1.79E-04
5706	440989.9	3769117	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.16E-04	4.16E-04	1.82E-04	1.82E-04
5707	440972.6	3769083	2.35E-03	2.35E-03	2.65E-03	2.65E-03	4.44E-04	4.44E-04	1.94E-04	1.94E-04
5708	440968.2	3769075	2.39E-03	2.39E-03	2.70E-03	2.70E-03	4.52E-04	4.52E-04	1.98E-04	1.98E-04
5709	440963.9	3769067	2.43E-03	2.43E-03	2.74E-03	2.74E-03	4.60E-04	4.60E-04	2.01E-04	2.01E-04
5710	440959.5	3769059	2.51E-03	2.51E-03	2.83E-03	2.83E-03	4.74E-04	4.74E-04	2.07E-04	2.07E-04
5711	440955.2	3769050	2.55E-03	2.55E-03	2.88E-03	2.88E-03	4.82E-04	4.82E-04	2.11E-04	2.11E-04
5712	440950.8	3769042	2.60E-03	2.60E-03	2.93E-03	2.93E-03	4.91E-04	4.91E-04	2.15E-04	2.15E-04
5713	440946.5	3769034	2.64E-03	2.64E-03	2.97E-03	2.97E-03	4.99E-04	4.99E-04	2.18E-04	2.18E-04
5714	440942.1	3769025	2.69E-03	2.69E-03	3.03E-03	3.03E-03	5.08E-04	5.08E-04	2.22E-04	2.22E-04
5715	440833.5	3768818	3.87E-03	3.87E-03	4.36E-03	4.36E-03	7.31E-04	7.31E-04	3.20E-04	3.20E-04
5716	440829.2	3768810	3.90E-03	3.90E-03	4.40E-03	4.40E-03	7.38E-04	7.38E-04	3.23E-04	3.23E-04
5717	441467	3769231	2.66E-03	2.66E-03	3.00E-03	3.00E-03	5.03E-04	5.03E-04	2.20E-04	2.20E-04
5718	441475.7	3769227	2.72E-03	2.72E-03	3.07E-03	3.07E-03	5.15E-04	5.15E-04	2.25E-04	2.25E-04
5719	441484.4	3769224	2.79E-03	2.79E-03	3.14E-03	3.14E-03	5.27E-04	5.27E-04	2.31E-04	2.31E-04
5720	441493.1	3769220	2.86E-03	2.86E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04
5721	441501.8	3769216	2.93E-03	2.93E-03	3.30E-03	3.30E-03	5.53E-04	5.53E-04	2.42E-04	2.42E-04
5722	441473.6	3769267	2.36E-03	2.36E-03	2.66E-03	2.66E-03	4.45E-04	4.45E-04	1.95E-04	1.95E-04
5723	441464.2	3769266	2.34E-03	2.34E-03	2.64E-03	2.64E-03	4.42E-04	4.42E-04	1.93E-04	1.93E-04
5724	441454.9	3769265	2.32E-03	2.32E-03	2.62E-03	2.62E-03	4.39E-04	4.39E-04	1.92E-04	1.92E-04
5725	441445.6	3769264	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
5726	441436.2	3769264	2.29E-03	2.29E-03	2.58E-03	2.58E-03	4.33E-04	4.33E-04	1.90E-04	1.90E-04
5727	441426.9	3769263	2.28E-03	2.28E-03	2.57E-03	2.57E-03	4.31E-04	4.31E-04	1.88E-04	1.88E-04
5728	441417.6	3769262	2.26E-03	2.26E-03	2.55E-03	2.55E-03	4.28E-04	4.28E-04	1.87E-04	1.87E-04
5729	441408.2	3769261	2.25E-03	2.25E-03	2.53E-03	2.53E-03	4.25E-04	4.25E-04	1.86E-04	1.86E-04
5730	441398.9	3769260	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.22E-04	4.22E-04	1.84E-04	1.84E-04
5731	441389.5	3769259	2.21E-03	2.21E-03	2.50E-03	2.50E-03	4.19E-04	4.19E-04	1.83E-04	1.83E-04
5732	441380.2	3769258	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.16E-04	4.16E-04	1.82E-04	1.82E-04
5733	441370.9	3769258	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04
5734	441361.5	3769257	2.13E-03	2.13E-03	2.40E-03	2.40E-03	4.03E-04	4.03E-04	1.76E-04	1.76E-04
5735	441352.2	3769256	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
5736	441342.9	3769255	2.11E-03	2.11E-03	2.38E-03	2.38E-03	3.98E-04	3.98E-04	1.74E-04	1.74E-04
5737	441333.5	3769254	2.10E-03	2.10E-03	2.36E-03	2.36E-03	3.96E-04	3.96E-04	1.73E-04	1.73E-04
5738	441324.2	3769253	2.09E-03	2.09E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
5739	441314.9	3769253	2.08E-03	2.08E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.72E-04	1.72E-04
5740	441305.5	3769252	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
5741	441296.2	3769251	2.08E-03	2.08E-03	2.35E-03	2.35E-03	3.94E-04	3.94E-04	1.72E-04	1.72E-04
5742	441286.9	3769250	2.08E-03	2.08E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.72E-04	1.72E-04
5743	441221.5	3769244	2.01E-03	2.01E-03	2.26E-03	2.26E-03	3.79E-04	3.79E-04	1.66E-04	1.66E-04
5744	441202.8	3769242	1.99E-03	1.99E-03	2.24E-03	2.24E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04
5745	441193.5	3769241	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.63E-04	1.63E-04
5746	441184.2	3769241	1.97E-03	1.97E-03	2.21E-03	2.21E-03	3.71E-04	3.71E-04	1.62E-04	1.62E-04
5747	441174.8	3769240	1.96E-03	1.96E-03	2.20E-03	2.20E-03	3.70E-04	3.70E-04	1.62E-04	1.62E-04
5748	440976.3	3769166	1.92E-03	1.92E-03	2.16E-03	2.16E-03	3.63E-04	3.63E-04	1.59E-04	1.59E-04
5749	440972	3769158	1.95E-03	1.95E-03	2.20E-03	2.20E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
5750	440967.6	3769150	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.64E-04	1.64E-04
5751	440963.3	3769141	2.01E-03	2.01E-03	2.26E-03	2.26E-03	3.80E-04	3.80E-04	1.66E-04	1.66E-04
5752	440950.2	3769116	2.10E-03	2.10E-03	2.37E-03	2.37E-03	3.98E-04	3.98E-04	1.74E-04	1.74E-04
5753	440945.9	3769108	2.14E-03	2.14E-03	2.41E-03	2.41E-03	4.04E-04	4.04E-04	1.77E-04	1.77E-04
5754	440941.5	3769100	2.17E-03	2.17E-03	2.44E-03	2.44E-03	4.10E-04	4.10E-04	1.79E-04	1.79E-04
5755	440937.2	3769092	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.16E-04	4.16E-04	1.82E-04	1.82E-04
5756	440932.8	3769083	2.24E-03	2.24E-03	2.52E-03	2.52E-03	4.23E-04	4.23E-04	1.85E-04	1.85E-04
5757	440928.5	3769075	2.27E-03	2.27E-03	2.56E-03	2.56E-03	4.30E-04	4.30E-04	1.88E-04	1.88E-04
5758	440924.1	3769067	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
5759	440919.8	3769058	2.35E-03	2.35E-03	2.64E-03	2.64E-03	4.43E-04	4.43E-04	1.94E-04	1.94E-04
5760	440915.4	3769050	2.38E-03	2.38E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
5761	440911.1	3769042	2.42E-03	2.42E-03	2.73E-03	2.73E-03	4.58E-04	4.58E-04	2.00E-04	2.00E-04
5762	440906.7	3769033	2.46E-03	2.46E-03	2.77E-03	2.77E-03	4.65E-04	4.65E-04	2.03E-04	2.03E-04
5763	440902.4	3769025	2.50E-03	2.50E-03	2.82E-03	2.82E-03	4.73E-04	4.73E-04	2.07E-04	2.07E-04
5764	440871.9	3768967	2.78E-03	2.78E-03	3.14E-03	3.14E-03	5.26E-04	5.26E-04	2.30E-04	2.30E-04

5765	440797.9	3768826	3.45E-03	3.45E-03	3.89E-03	3.89E-03	6.52E-04	6.52E-04	2.85E-04	2.85E-04
5766	440789.2	3768809	3.51E-03	3.51E-03	3.96E-03	3.96E-03	6.64E-04	6.64E-04	2.91E-04	2.91E-04
5767	441482.9	3769268	2.37E-03	2.37E-03	2.67E-03	2.67E-03	4.48E-04	4.48E-04	1.96E-04	1.96E-04
5768	441491.6	3769264	2.43E-03	2.43E-03	2.73E-03	2.73E-03	4.59E-04	4.59E-04	2.01E-04	2.01E-04
5769	441500.3	3769260	2.48E-03	2.48E-03	2.80E-03	2.80E-03	4.69E-04	4.69E-04	2.05E-04	2.05E-04
5770	441508.9	3769257	2.54E-03	2.54E-03	2.86E-03	2.86E-03	4.80E-04	4.80E-04	2.10E-04	2.10E-04
5771	441517.6	3769253	2.59E-03	2.59E-03	2.92E-03	2.92E-03	4.90E-04	4.90E-04	2.14E-04	2.14E-04
5772	441489.4	3769304	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.90E-04	3.90E-04	1.70E-04	1.70E-04
5773	441480.1	3769303	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
5774	441470.7	3769302	2.04E-03	2.04E-03	2.29E-03	2.29E-03	3.85E-04	3.85E-04	1.68E-04	1.68E-04
5775	441461.4	3769301	2.03E-03	2.03E-03	2.28E-03	2.28E-03	3.83E-04	3.83E-04	1.67E-04	1.67E-04
5776	441452	3769300	2.01E-03	2.01E-03	2.27E-03	2.27E-03	3.81E-04	3.81E-04	1.66E-04	1.66E-04
5777	441442.7	3769299	2.00E-03	2.00E-03	2.25E-03	2.25E-03	3.78E-04	3.78E-04	1.65E-04	1.65E-04
5778	441433.3	3769299	1.99E-03	1.99E-03	2.24E-03	2.24E-03	3.76E-04	3.76E-04	1.64E-04	1.64E-04
5779	441424	3769298	1.97E-03	1.97E-03	2.23E-03	2.23E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
5780	441414.6	3769297	1.96E-03	1.96E-03	2.21E-03	2.21E-03	3.71E-04	3.71E-04	1.62E-04	1.62E-04
5781	441405.3	3769296	1.95E-03	1.95E-03	2.20E-03	2.20E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
5782	441395.9	3769295	1.94E-03	1.94E-03	2.18E-03	2.18E-03	3.66E-04	3.66E-04	1.60E-04	1.60E-04
5783	441386.6	3769294	1.92E-03	1.92E-03	2.17E-03	2.17E-03	3.64E-04	3.64E-04	1.59E-04	1.59E-04
5784	441377.2	3769293	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
5785	441367.9	3769293	1.90E-03	1.90E-03	2.14E-03	2.14E-03	3.58E-04	3.58E-04	1.57E-04	1.57E-04
5786	441358.5	3769292	1.88E-03	1.88E-03	2.12E-03	2.12E-03	3.56E-04	3.56E-04	1.56E-04	1.56E-04
5787	441349.2	3769291	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
5788	441339.8	3769290	1.86E-03	1.86E-03	2.10E-03	2.10E-03	3.52E-04	3.52E-04	1.54E-04	1.54E-04
5789	441330.5	3769289	1.86E-03	1.86E-03	2.09E-03	2.09E-03	3.51E-04	3.51E-04	1.53E-04	1.53E-04
5790	441321.1	3769288	1.85E-03	1.85E-03	2.09E-03	2.09E-03	3.50E-04	3.50E-04	1.53E-04	1.53E-04
5791	441311.8	3769288	1.85E-03	1.85E-03	2.08E-03	2.08E-03	3.49E-04	3.49E-04	1.53E-04	1.53E-04
5792	441302.4	3769287	1.84E-03	1.84E-03	2.08E-03	2.08E-03	3.48E-04	3.48E-04	1.52E-04	1.52E-04
5793	441293.1	3769286	1.84E-03	1.84E-03	2.07E-03	2.07E-03	3.47E-04	3.47E-04	1.52E-04	1.52E-04
5794	441283.7	3769285	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.46E-04	3.46E-04	1.51E-04	1.51E-04
5795	441265	3769283	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
5796	441255.7	3769282	1.81E-03	1.81E-03	2.04E-03	2.04E-03	3.42E-04	3.42E-04	1.49E-04	1.49E-04
5797	441190.2	3769276	1.76E-03	1.76E-03	1.98E-03	1.98E-03	3.32E-04	3.32E-04	1.45E-04	1.45E-04
5798	441180.9	3769276	1.75E-03	1.75E-03	1.97E-03	1.97E-03	3.31E-04	3.31E-04	1.45E-04	1.45E-04
5799	441171.5	3769275	1.75E-03	1.75E-03	1.97E-03	1.97E-03	3.30E-04	3.30E-04	1.44E-04	1.44E-04
5800	441162.2	3769274	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.29E-04	3.29E-04	1.44E-04	1.44E-04
5801	441152.9	3769273	1.73E-03	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
5802	441143.5	3769272	1.73E-03	1.73E-03	1.94E-03	1.94E-03	3.26E-04	3.26E-04	1.43E-04	1.43E-04
5803	441134.2	3769271	1.72E-03	1.72E-03	1.93E-03	1.93E-03	3.24E-04	3.24E-04	1.42E-04	1.42E-04
5804	441124.8	3769270	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
5805	440923.6	3769141	1.90E-03	1.90E-03	2.14E-03	2.14E-03	3.59E-04	3.59E-04	1.57E-04	1.57E-04
5806	440919.2	3769133	1.93E-03	1.93E-03	2.17E-03	2.17E-03	3.64E-04	3.64E-04	1.59E-04	1.59E-04
5807	440914.8	3769125	1.95E-03	1.95E-03	2.20E-03	2.20E-03	3.69E-04	3.69E-04	1.62E-04	1.62E-04
5808	440910.5	3769116	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04
5809	440906.1	3769108	2.01E-03	2.01E-03	2.27E-03	2.27E-03	3.80E-04	3.80E-04	1.66E-04	1.66E-04
5810	440901.8	3769100	2.04E-03	2.04E-03	2.30E-03	2.30E-03	3.85E-04	3.85E-04	1.69E-04	1.69E-04
5811	440897.4	3769091	2.07E-03	2.07E-03	2.33E-03	2.33E-03	3.91E-04	3.91E-04	1.71E-04	1.71E-04
5812	440893	3769083	2.10E-03	2.10E-03	2.37E-03	2.37E-03	3.97E-04	3.97E-04	1.74E-04	1.74E-04
5813	440888.7	3769075	2.13E-03	2.13E-03	2.40E-03	2.40E-03	4.03E-04	4.03E-04	1.76E-04	1.76E-04
5814	440884.3	3769066	2.16E-03	2.16E-03	2.44E-03	2.44E-03	4.09E-04	4.09E-04	1.79E-04	1.79E-04
5815	440880	3769058	2.20E-03	2.20E-03	2.48E-03	2.48E-03	4.15E-04	4.15E-04	1.82E-04	1.82E-04
5816	440875.6	3769050	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.22E-04	4.22E-04	1.84E-04	1.84E-04
5817	440871.2	3769041	2.26E-03	2.26E-03	2.55E-03	2.55E-03	4.28E-04	4.28E-04	1.87E-04	1.87E-04
5818	440866.9	3769033	2.30E-03	2.30E-03	2.59E-03	2.59E-03	4.34E-04	4.34E-04	1.90E-04	1.90E-04
5819	440862.5	3769025	2.33E-03	2.33E-03	2.63E-03	2.63E-03	4.41E-04	4.41E-04	1.93E-04	1.93E-04
5820	440832	3768967	2.57E-03	2.57E-03	2.90E-03	2.90E-03	4.86E-04	4.86E-04	2.13E-04	2.13E-04
5821	440757.9	3768825	3.13E-03	3.13E-03	3.53E-03	3.53E-03	5.92E-04	5.92E-04	2.59E-04	2.59E-04
5822	440749.2	3768809	3.18E-03	3.18E-03	3.59E-03	3.59E-03	6.02E-04	6.02E-04	2.63E-04	2.63E-04
5823	441498.7	3769305	2.07E-03	2.07E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.71E-04	1.71E-04
5824	441507.4	3769301	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
5825	441516.1	3769297	2.17E-03	2.17E-03	2.44E-03	2.44E-03	4.10E-04	4.10E-04	1.79E-04	1.79E-04
5826	441524.8	3769293	2.22E-03	2.22E-03	2.50E-03	2.50E-03	4.19E-04	4.19E-04	1.83E-04	1.83E-04
5827	441533.5	3769290	2.27E-03	2.27E-03	2.55E-03	2.55E-03	4.28E-04	4.28E-04	1.87E-04	1.87E-04
5828	441505.2	3769340	1.86E-03	1.86E-03	2.10E-03	2.10E-03	3.52E-04	3.52E-04	1.54E-04	1.54E-04
5829	441495.9	3769340	1.85E-03	1.85E-03	2.08E-03	2.08E-03	3.49E-04	3.49E-04	1.53E-04	1.53E-04
5830	441486.5	3769339	1.84E-03	1.84E-03	2.07E-03	2.07E-03	3.47E-04	3.47E-04	1.52E-04	1.52E-04
5831	441477.2	3769338	1.82E-03	1.82E-03	2.06E-03	2.06E-03	3.45E-04	3.45E-04	1.51E-04	1.51E-04
5832	441467.8	3769337	1.81E-03	1.81E-03	2.04E-03	2.04E-03	3.43E-04	3.43E-04	1.50E-04	1.50E-04
5833	441458.4	3769336	1.80E-03	1.80E-03	2.03E-03	2.03E-03	3.41E-04	3.41E-04	1.49E-04	1.49E-04
5834	441449.1	3769335	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.39E-04	3.39E-04	1.48E-04	1.48E-04
5835	441439.7	3769334	1.78E-03	1.78E-03	2.01E-03	2.01E-03	3.37E-04	3.37E-04	1.47E-04	1.47E-04
5836	441430.4	3769334	1.77E-03	1.77E-03	1.99E-03	1.99E-03	3.34E-04	3.34E-04	1.46E-04	1.46E-04
5837	441421	3769333	1.76E-03	1.76E-03	1.98E-03	1.98E-03	3.32E-04	3.32E-04	1.45E-04	1.45E-04

5838	441411.6	3769332	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.30E-04	3.30E-04	1.44E-04	1.44E-04
5839	441402.3	3769331	1.73E-03	1.73E-03	1.95E-03	1.95E-03	3.27E-04	3.27E-04	1.43E-04	1.43E-04
5840	441392.9	3769330	1.72E-03	1.72E-03	1.94E-03	1.94E-03	3.25E-04	3.25E-04	1.42E-04	1.42E-04
5841	441383.6	3769329	1.71E-03	1.71E-03	1.93E-03	1.93E-03	3.23E-04	3.23E-04	1.41E-04	1.41E-04
5842	441374.2	3769329	1.70E-03	1.70E-03	1.92E-03	1.92E-03	3.22E-04	3.22E-04	1.41E-04	1.41E-04
5843	441364.8	3769328	1.70E-03	1.70E-03	1.91E-03	1.91E-03	3.20E-04	3.20E-04	1.40E-04	1.40E-04
5844	441355.5	3769327	1.69E-03	1.69E-03	1.90E-03	1.90E-03	3.19E-04	3.19E-04	1.39E-04	1.39E-04
5845	441346.1	3769326	1.68E-03	1.68E-03	1.89E-03	1.89E-03	3.18E-04	3.18E-04	1.39E-04	1.39E-04
5846	441336.8	3769325	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04
5847	441327.4	3769324	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
5848	441318	3769323	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.13E-04	3.13E-04	1.37E-04	1.37E-04
5849	441308.7	3769323	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.12E-04	3.12E-04	1.37E-04	1.37E-04
5850	441299.3	3769322	1.65E-03	1.65E-03	1.85E-03	1.85E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
5851	441290	3769321	1.64E-03	1.64E-03	1.84E-03	1.84E-03	3.09E-04	3.09E-04	1.35E-04	1.35E-04
5852	441280.6	3769320	1.63E-03	1.63E-03	1.83E-03	1.83E-03	3.08E-04	3.08E-04	1.35E-04	1.35E-04
5853	441271.2	3769319	1.62E-03	1.62E-03	1.82E-03	1.82E-03	3.06E-04	3.06E-04	1.34E-04	1.34E-04
5854	441261.9	3769318	1.61E-03	1.61E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.33E-04	1.33E-04
5855	441252.5	3769317	1.60E-03	1.60E-03	1.81E-03	1.81E-03	3.03E-04	3.03E-04	1.33E-04	1.33E-04
5856	441243.2	3769317	1.60E-03	1.60E-03	1.80E-03	1.80E-03	3.02E-04	3.02E-04	1.32E-04	1.32E-04
5857	441177.6	3769311	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
5858	441168.3	3769310	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
5859	441158.9	3769309	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.98E-04	2.98E-04	1.30E-04	1.30E-04
5860	441149.5	3769308	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.98E-04	2.98E-04	1.30E-04	1.30E-04
5861	441140.2	3769307	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.96E-04	2.96E-04	1.29E-04	1.29E-04
5862	441130.8	3769306	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
5863	441121.5	3769305	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.93E-04	2.93E-04	1.28E-04	1.28E-04
5864	440958	3769283	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04
5865	440953.6	3769274	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
5866	440896.9	3769166	1.70E-03	1.70E-03	1.91E-03	1.91E-03	3.21E-04	3.21E-04	1.40E-04	1.40E-04
5867	440892.5	3769158	1.72E-03	1.72E-03	1.94E-03	1.94E-03	3.25E-04	3.25E-04	1.42E-04	1.42E-04
5868	440888.1	3769149	1.74E-03	1.74E-03	1.97E-03	1.97E-03	3.30E-04	3.30E-04	1.44E-04	1.44E-04
5869	440883.8	3769141	1.77E-03	1.77E-03	1.99E-03	1.99E-03	3.34E-04	3.34E-04	1.46E-04	1.46E-04
5870	440879.4	3769133	1.79E-03	1.79E-03	2.02E-03	2.02E-03	3.39E-04	3.39E-04	1.48E-04	1.48E-04
5871	440875.1	3769124	1.82E-03	1.82E-03	2.05E-03	2.05E-03	3.44E-04	3.44E-04	1.50E-04	1.50E-04
5872	440870.7	3769116	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.53E-04	3.53E-04	1.55E-04	1.55E-04
5873	440866.3	3769108	1.90E-03	1.90E-03	2.14E-03	2.14E-03	3.58E-04	3.58E-04	1.57E-04	1.57E-04
5874	440862	3769099	1.92E-03	1.92E-03	2.17E-03	2.17E-03	3.63E-04	3.63E-04	1.59E-04	1.59E-04
5875	440857.6	3769091	1.95E-03	1.95E-03	2.20E-03	2.20E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
5876	440853.2	3769083	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.74E-04	3.74E-04	1.63E-04	1.63E-04
5877	440848.9	3769074	2.01E-03	2.01E-03	2.26E-03	2.26E-03	3.79E-04	3.79E-04	1.66E-04	1.66E-04
5878	440844.5	3769066	2.03E-03	2.03E-03	2.29E-03	2.29E-03	3.84E-04	3.84E-04	1.68E-04	1.68E-04
5879	440840.1	3769058	2.06E-03	2.06E-03	2.32E-03	2.32E-03	3.90E-04	3.90E-04	1.70E-04	1.70E-04
5880	440835.8	3769050	2.09E-03	2.09E-03	2.36E-03	2.36E-03	3.95E-04	3.95E-04	1.73E-04	1.73E-04
5881	440831.4	3769041	2.12E-03	2.12E-03	2.39E-03	2.39E-03	4.01E-04	4.01E-04	1.75E-04	1.75E-04
5882	440827	3769033	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.06E-04	4.06E-04	1.78E-04	1.78E-04
5883	440800.9	3768983	2.33E-03	2.33E-03	2.62E-03	2.62E-03	4.40E-04	4.40E-04	1.92E-04	1.92E-04
5884	440792.1	3768966	2.39E-03	2.39E-03	2.69E-03	2.69E-03	4.51E-04	4.51E-04	1.97E-04	1.97E-04
5885	440717.9	3768825	2.86E-03	2.86E-03	3.22E-03	3.22E-03	5.40E-04	5.40E-04	2.36E-04	2.36E-04
5886	440709.2	3768808	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.48E-04	5.48E-04	2.40E-04	2.40E-04
5887	441514.6	3769341	1.87E-03	1.87E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
5888	441523.3	3769338	1.91E-03	1.91E-03	2.15E-03	2.15E-03	3.61E-04	3.61E-04	1.58E-04	1.58E-04
5889	441532	3769334	1.95E-03	1.95E-03	2.19E-03	2.19E-03	3.68E-04	3.68E-04	1.61E-04	1.61E-04
5890	441540.6	3769330	1.99E-03	1.99E-03	2.24E-03	2.24E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04
5891	441549.3	3769326	2.03E-03	2.03E-03	2.29E-03	2.29E-03	3.83E-04	3.83E-04	1.68E-04	1.68E-04
5892	441324.3	3769359	1.51E-03	1.51E-03	1.71E-03	1.71E-03	2.86E-04	2.86E-04	1.25E-04	1.25E-04
5893	441314.9	3769358	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.25E-04	1.25E-04
5894	441305.6	3769358	1.50E-03	1.50E-03	1.69E-03	1.69E-03	2.83E-04	2.83E-04	1.24E-04	1.24E-04
5895	441296.2	3769357	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
5896	441286.8	3769356	1.48E-03	1.48E-03	1.67E-03	1.67E-03	2.80E-04	2.80E-04	1.23E-04	1.23E-04
5897	441277.4	3769355	1.48E-03	1.48E-03	1.66E-03	1.66E-03	2.79E-04	2.79E-04	1.22E-04	1.22E-04
5898	441268.1	3769354	1.47E-03	1.47E-03	1.65E-03	1.65E-03	2.77E-04	2.77E-04	1.21E-04	1.21E-04
5899	441258.7	3769353	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.76E-04	2.76E-04	1.21E-04	1.21E-04
5900	441249.3	3769352	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
5901	441240	3769352	1.44E-03	1.44E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.19E-04	1.19E-04
5902	441230.6	3769351	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.72E-04	2.72E-04	1.19E-04	1.19E-04
5903	441165	3769345	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
5904	441155.6	3769344	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.69E-04	2.69E-04	1.18E-04	1.18E-04
5905	441146.3	3769343	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
5906	441136.9	3769342	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
5907	441127.5	3769341	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
5908	441118.1	3769340	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
5909	441108.8	3769340	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.66E-04	2.66E-04	1.17E-04	1.17E-04
5910	441043.2	3769334	1.37E-03	1.37E-03	1.54E-03	1.54E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04

5911	441033.8	3769333	1.36E-03	1.36E-03	1.53E-03	1.53E-03	2.57E-04	2.57E-04	1.12E-04	1.12E-04
5912	441024.4	3769332	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.55E-04	2.55E-04	1.12E-04	1.12E-04
5913	441015.1	3769331	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
5914	441005.7	3769330	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.52E-04	2.52E-04	1.10E-04	1.10E-04
5915	440996.3	3769329	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.09E-04	1.09E-04
5916	440987	3769328	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.08E-04	1.08E-04
5917	440977.6	3769328	1.30E-03	1.30E-03	1.47E-03	1.47E-03	2.46E-04	2.46E-04	1.08E-04	1.08E-04
5918	440931.4	3769307	1.30E-03	1.30E-03	1.46E-03	1.46E-03	2.45E-04	2.45E-04	1.07E-04	1.07E-04
5919	440927	3769299	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.09E-04	1.09E-04
5920	440922.6	3769291	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.52E-04	2.52E-04	1.10E-04	1.10E-04
5921	440918.3	3769282	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.55E-04	2.55E-04	1.11E-04	1.11E-04
5922	440857.1	3769166	1.60E-03	1.60E-03	1.80E-03	1.80E-03	3.02E-04	3.02E-04	1.32E-04	1.32E-04
5923	440852.7	3769157	1.62E-03	1.62E-03	1.83E-03	1.83E-03	3.06E-04	3.06E-04	1.34E-04	1.34E-04
5924	440848.4	3769149	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.10E-04	3.10E-04	1.36E-04	1.36E-04
5925	440844	3769141	1.67E-03	1.67E-03	1.88E-03	1.88E-03	3.15E-04	3.15E-04	1.38E-04	1.38E-04
5926	440839.6	3769132	1.69E-03	1.69E-03	1.91E-03	1.91E-03	3.20E-04	3.20E-04	1.40E-04	1.40E-04
5927	440835.2	3769124	1.72E-03	1.72E-03	1.94E-03	1.94E-03	3.25E-04	3.25E-04	1.42E-04	1.42E-04
5928	440830.9	3769116	1.77E-03	1.77E-03	1.99E-03	1.99E-03	3.34E-04	3.34E-04	1.46E-04	1.46E-04
5929	440795.9	3769049	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.72E-04	3.72E-04	1.63E-04	1.63E-04
5930	440765.3	3768991	2.14E-03	2.14E-03	2.42E-03	2.42E-03	4.05E-04	4.05E-04	1.77E-04	1.77E-04
5931	440756.6	3768974	2.20E-03	2.20E-03	2.47E-03	2.47E-03	4.15E-04	4.15E-04	1.81E-04	1.81E-04
5932	440682.3	3768832	2.60E-03	2.60E-03	2.93E-03	2.93E-03	4.92E-04	4.92E-04	2.15E-04	2.15E-04
5933	440673.6	3768816	2.64E-03	2.64E-03	2.97E-03	2.97E-03	4.99E-04	4.99E-04	2.18E-04	2.18E-04
5934	440669.2	3768807	2.66E-03	2.66E-03	2.99E-03	2.99E-03	5.02E-04	5.02E-04	2.20E-04	2.20E-04
5935	441536.9	3769414	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.99E-04	2.99E-04	1.31E-04	1.31E-04
5936	441527.5	3769413	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
5937	441518.2	3769412	1.56E-03	1.56E-03	1.76E-03	1.76E-03	2.95E-04	2.95E-04	1.29E-04	1.29E-04
5938	441508.8	3769411	1.55E-03	1.55E-03	1.74E-03	1.74E-03	2.92E-04	2.92E-04	1.28E-04	1.28E-04
5939	441499.4	3769410	1.54E-03	1.54E-03	1.74E-03	1.74E-03	2.91E-04	2.91E-04	1.27E-04	1.27E-04
5940	441433.7	3769404	1.46E-03	1.46E-03	1.65E-03	1.65E-03	2.76E-04	2.76E-04	1.21E-04	1.21E-04
5941	441424.4	3769404	1.45E-03	1.45E-03	1.63E-03	1.63E-03	2.74E-04	2.74E-04	1.20E-04	1.20E-04
5942	441415	3769403	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.72E-04	2.72E-04	1.19E-04	1.19E-04
5943	441405.6	3769402	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
5944	441396.2	3769401	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
5945	441386.8	3769400	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
5946	441377.5	3769399	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.66E-04	2.66E-04	1.17E-04	1.17E-04
5947	441368.1	3769399	1.41E-03	1.41E-03	1.58E-03	1.58E-03	2.66E-04	2.66E-04	1.16E-04	1.16E-04
5948	441358.7	3769398	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04
5949	441349.3	3769397	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.64E-04	2.64E-04	1.16E-04	1.16E-04
5950	441339.9	3769396	1.40E-03	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.15E-04	1.15E-04
5951	441330.6	3769395	1.39E-03	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
5952	441321.2	3769394	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
5953	441311.8	3769393	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
5954	441302.4	3769393	1.38E-03	1.38E-03	1.56E-03	1.56E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
5955	441293.1	3769392	1.38E-03	1.38E-03	1.55E-03	1.55E-03	2.60E-04	2.60E-04	1.14E-04	1.14E-04
5956	441283.7	3769391	1.37E-03	1.37E-03	1.54E-03	1.54E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04
5957	441274.3	3769390	1.36E-03	1.36E-03	1.54E-03	1.54E-03	2.57E-04	2.57E-04	1.13E-04	1.13E-04
5958	441264.9	3769389	1.35E-03	1.35E-03	1.53E-03	1.53E-03	2.56E-04	2.56E-04	1.12E-04	1.12E-04
5959	441255.5	3769388	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
5960	441246.2	3769387	1.34E-03	1.34E-03	1.50E-03	1.50E-03	2.52E-04	2.52E-04	1.10E-04	1.10E-04
5961	441236.8	3769387	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.51E-04	2.51E-04	1.10E-04	1.10E-04
5962	441227.4	3769386	1.33E-03	1.33E-03	1.49E-03	1.49E-03	2.51E-04	2.51E-04	1.10E-04	1.10E-04
5963	440904.7	3769332	1.20E-03	1.20E-03	1.36E-03	1.36E-03	2.28E-04	2.28E-04	9.96E-05	9.96E-05
5964	440900.4	3769324	1.22E-03	1.22E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.01E-04	1.01E-04
5965	440896	3769316	1.23E-03	1.23E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
5966	440878.5	3769282	1.30E-03	1.30E-03	1.46E-03	1.46E-03	2.45E-04	2.45E-04	1.07E-04	1.07E-04
5967	440874.1	3769274	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.08E-04	1.08E-04
5968	440799.8	3769132	1.63E-03	1.63E-03	1.84E-03	1.84E-03	3.08E-04	3.08E-04	1.35E-04	1.35E-04
5969	440795.4	3769124	1.65E-03	1.65E-03	1.86E-03	1.86E-03	3.12E-04	3.12E-04	1.37E-04	1.37E-04
5970	440791	3769116	1.67E-03	1.67E-03	1.89E-03	1.89E-03	3.16E-04	3.16E-04	1.38E-04	1.38E-04
5971	440786.7	3769107	1.70E-03	1.70E-03	1.91E-03	1.91E-03	3.20E-04	3.20E-04	1.40E-04	1.40E-04
5972	440782.3	3769099	1.72E-03	1.72E-03	1.94E-03	1.94E-03	3.25E-04	3.25E-04	1.42E-04	1.42E-04
5973	440777.9	3769090	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.29E-04	3.29E-04	1.44E-04	1.44E-04
5974	440773.5	3769082	1.76E-03	1.76E-03	1.98E-03	1.98E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
5975	440769.2	3769074	1.78E-03	1.78E-03	2.01E-03	2.01E-03	3.37E-04	3.37E-04	1.47E-04	1.47E-04
5976	440764.8	3769065	1.80E-03	1.80E-03	2.03E-03	2.03E-03	3.41E-04	3.41E-04	1.49E-04	1.49E-04
5977	440760.4	3769057	1.83E-03	1.83E-03	2.06E-03	2.06E-03	3.45E-04	3.45E-04	1.51E-04	1.51E-04
5978	440756.1	3769049	1.85E-03	1.85E-03	2.08E-03	2.08E-03	3.49E-04	3.49E-04	1.53E-04	1.53E-04
5979	440729.8	3768999	1.98E-03	1.98E-03	2.23E-03	2.23E-03	3.75E-04	3.75E-04	1.64E-04	1.64E-04
5980	440725.4	3768990	2.00E-03	2.00E-03	2.26E-03	2.26E-03	3.79E-04	3.79E-04	1.66E-04	1.66E-04
5981	440716.7	3768974	2.05E-03	2.05E-03	2.31E-03	2.31E-03	3.87E-04	3.87E-04	1.69E-04	1.69E-04
5982	440642.3	3768832	2.39E-03	2.39E-03	2.70E-03	2.70E-03	4.52E-04	4.52E-04	1.98E-04	1.98E-04
5983	440629.2	3768807	2.44E-03	2.44E-03	2.75E-03	2.75E-03	4.61E-04	4.61E-04	2.02E-04	2.02E-04

5984	441543.4	3769450	1.45E-03	1.45E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
5985	441534	3769449	1.44E-03	1.44E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.19E-04	1.19E-04
5986	441524.6	3769448	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.71E-04	2.71E-04	1.19E-04	1.19E-04
5987	441515.2	3769447	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
5988	441505.8	3769446	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.68E-04	2.68E-04	1.17E-04	1.17E-04
5989	441440.1	3769440	1.36E-03	1.36E-03	1.53E-03	1.53E-03	2.56E-04	2.56E-04	1.12E-04	1.12E-04
5990	441430.7	3769439	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.53E-04	2.53E-04	1.11E-04	1.11E-04
5991	441421.3	3769439	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.09E-04	1.09E-04
5992	441411.9	3769438	1.32E-03	1.32E-03	1.48E-03	1.48E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
5993	441402.6	3769437	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.08E-04	1.08E-04
5994	441393.2	3769436	1.31E-03	1.31E-03	1.47E-03	1.47E-03	2.47E-04	2.47E-04	1.08E-04	1.08E-04
5995	441383.8	3769435	1.30E-03	1.30E-03	1.47E-03	1.47E-03	2.46E-04	2.46E-04	1.08E-04	1.08E-04
5996	441374.4	3769434	1.30E-03	1.30E-03	1.46E-03	1.46E-03	2.45E-04	2.45E-04	1.07E-04	1.07E-04
5997	441365	3769434	1.29E-03	1.29E-03	1.46E-03	1.46E-03	2.45E-04	2.45E-04	1.07E-04	1.07E-04
5998	441355.6	3769433	1.29E-03	1.29E-03	1.46E-03	1.46E-03	2.44E-04	2.44E-04	1.07E-04	1.07E-04
5999	441346.2	3769432	1.29E-03	1.29E-03	1.45E-03	1.45E-03	2.44E-04	2.44E-04	1.07E-04	1.07E-04
6000	441336.8	3769431	1.29E-03	1.29E-03	1.45E-03	1.45E-03	2.43E-04	2.43E-04	1.06E-04	1.06E-04
6001	441327.5	3769430	1.29E-03	1.29E-03	1.45E-03	1.45E-03	2.43E-04	2.43E-04	1.06E-04	1.06E-04
6002	441318.1	3769429	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.42E-04	2.42E-04	1.06E-04	1.06E-04
6003	441308.7	3769428	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.42E-04	2.42E-04	1.06E-04	1.06E-04
6004	441299.3	3769428	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.41E-04	2.41E-04	1.05E-04	1.05E-04
6005	441289.9	3769427	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
6006	441280.5	3769426	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.39E-04	2.39E-04	1.05E-04	1.05E-04
6007	441271.1	3769425	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.38E-04	2.38E-04	1.04E-04	1.04E-04
6008	441261.7	3769424	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.36E-04	2.36E-04	1.03E-04	1.03E-04
6009	441252.4	3769423	1.24E-03	1.24E-03	1.40E-03	1.40E-03	2.35E-04	2.35E-04	1.03E-04	1.03E-04
6010	441243	3769422	1.24E-03	1.24E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
6011	441233.6	3769422	1.23E-03	1.23E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
6012	441224.2	3769421	1.23E-03	1.23E-03	1.38E-03	1.38E-03	2.32E-04	2.32E-04	1.02E-04	1.02E-04
6013	441214.8	3769420	1.23E-03	1.23E-03	1.38E-03	1.38E-03	2.32E-04	2.32E-04	1.01E-04	1.01E-04
6014	441205.4	3769419	1.22E-03	1.22E-03	1.38E-03	1.38E-03	2.31E-04	2.31E-04	1.01E-04	1.01E-04
6015	441130.3	3769412	1.21E-03	1.21E-03	1.36E-03	1.36E-03	2.28E-04	2.28E-04	9.97E-05	9.97E-05
6016	441120.9	3769411	1.20E-03	1.20E-03	1.36E-03	1.36E-03	2.28E-04	2.28E-04	9.96E-05	9.96E-05
6017	441111.5	3769410	1.20E-03	1.20E-03	1.35E-03	1.35E-03	2.27E-04	2.27E-04	9.93E-05	9.93E-05
6018	441102.2	3769410	1.20E-03	1.20E-03	1.35E-03	1.35E-03	2.26E-04	2.26E-04	9.90E-05	9.90E-05
6019	441092.8	3769409	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.26E-04	2.26E-04	9.86E-05	9.86E-05
6020	441083.4	3769408	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.25E-04	2.25E-04	9.83E-05	9.83E-05
6021	441074	3769407	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.24E-04	2.24E-04	9.80E-05	9.80E-05
6022	441064.6	3769406	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.77E-05	9.77E-05
6023	440878.1	3769357	1.11E-03	1.11E-03	1.25E-03	1.25E-03	2.10E-04	2.10E-04	9.20E-05	9.20E-05
6024	440873.7	3769349	1.13E-03	1.13E-03	1.27E-03	1.27E-03	2.13E-04	2.13E-04	9.31E-05	9.31E-05
6025	440856.2	3769316	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.24E-04	2.24E-04	9.79E-05	9.79E-05
6026	440851.9	3769307	1.20E-03	1.20E-03	1.35E-03	1.35E-03	2.26E-04	2.26E-04	9.91E-05	9.91E-05
6027	440847.5	3769299	1.21E-03	1.21E-03	1.37E-03	1.37E-03	2.29E-04	2.29E-04	1.00E-04	1.00E-04
6028	440781.8	3769174	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.72E-04	2.72E-04	1.19E-04	1.19E-04
6029	440777.5	3769165	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
6030	440773.1	3769157	1.47E-03	1.47E-03	1.66E-03	1.66E-03	2.79E-04	2.79E-04	1.22E-04	1.22E-04
6031	440768.7	3769149	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.82E-04	2.82E-04	1.23E-04	1.23E-04
6032	440764.3	3769140	1.51E-03	1.51E-03	1.70E-03	1.70E-03	2.85E-04	2.85E-04	1.25E-04	1.25E-04
6033	440759.9	3769132	1.53E-03	1.53E-03	1.72E-03	1.72E-03	2.89E-04	2.89E-04	1.26E-04	1.26E-04
6034	440755.6	3769123	1.57E-03	1.57E-03	1.76E-03	1.76E-03	2.96E-04	2.96E-04	1.29E-04	1.29E-04
6035	440751.2	3769115	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.00E-04	3.00E-04	1.31E-04	1.31E-04
6036	440746.8	3769107	1.60E-03	1.60E-03	1.81E-03	1.81E-03	3.03E-04	3.03E-04	1.33E-04	1.33E-04
6037	440742.4	3769098	1.62E-03	1.62E-03	1.83E-03	1.83E-03	3.07E-04	3.07E-04	1.34E-04	1.34E-04
6038	440738.1	3769090	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
6039	440733.7	3769082	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.14E-04	3.14E-04	1.37E-04	1.37E-04
6040	440729.3	3769073	1.68E-03	1.68E-03	1.90E-03	1.90E-03	3.18E-04	3.18E-04	1.39E-04	1.39E-04
6041	440724.9	3769065	1.70E-03	1.70E-03	1.92E-03	1.92E-03	3.21E-04	3.21E-04	1.41E-04	1.41E-04
6042	440720.5	3769057	1.72E-03	1.72E-03	1.94E-03	1.94E-03	3.25E-04	3.25E-04	1.42E-04	1.42E-04
6043	440716.2	3769048	1.74E-03	1.74E-03	1.96E-03	1.96E-03	3.29E-04	3.29E-04	1.44E-04	1.44E-04
6044	440689.9	3768998	1.86E-03	1.86E-03	2.09E-03	2.09E-03	3.51E-04	3.51E-04	1.53E-04	1.53E-04
6045	440685.5	3768990	1.88E-03	1.88E-03	2.11E-03	2.11E-03	3.54E-04	3.54E-04	1.55E-04	1.55E-04
6046	440681.2	3768982	1.90E-03	1.90E-03	2.14E-03	2.14E-03	3.58E-04	3.58E-04	1.57E-04	1.57E-04
6047	440676.8	3768973	1.92E-03	1.92E-03	2.16E-03	2.16E-03	3.62E-04	3.62E-04	1.58E-04	1.58E-04
6048	441549.8	3769486	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.53E-04	2.53E-04	1.11E-04	1.11E-04
6049	441540.4	3769485	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.51E-04	2.51E-04	1.10E-04	1.10E-04
6050	441531	3769484	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
6051	441521.6	3769483	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.47E-04	2.47E-04	1.08E-04	1.08E-04
6052	441512.2	3769482	1.30E-03	1.30E-03	1.46E-03	1.46E-03	2.46E-04	2.46E-04	1.07E-04	1.07E-04
6053	441465.3	3769478	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
6054	441455.9	3769477	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.38E-04	2.38E-04	1.04E-04	1.04E-04
6055	441446.5	3769476	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.36E-04	2.36E-04	1.03E-04	1.03E-04
6056	441437.1	3769475	1.24E-03	1.24E-03	1.40E-03	1.40E-03	2.35E-04	2.35E-04	1.03E-04	1.03E-04

6057	441427.7	3769475	1.23E-03	1.23E-03	1.39E-03	1.39E-03	2.33E-04	2.33E-04	1.02E-04	1.02E-04
6058	441418.3	3769474	1.22E-03	1.22E-03	1.38E-03	1.38E-03	2.31E-04	2.31E-04	1.01E-04	1.01E-04
6059	441408.9	3769473	1.22E-03	1.22E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.01E-04	1.01E-04
6060	441399.5	3769472	1.21E-03	1.21E-03	1.36E-03	1.36E-03	2.29E-04	2.29E-04	1.00E-04	1.00E-04
6061	441390.1	3769471	1.20E-03	1.20E-03	1.35E-03	1.35E-03	2.27E-04	2.27E-04	9.94E-05	9.94E-05
6062	441380.7	3769470	1.20E-03	1.20E-03	1.35E-03	1.35E-03	2.27E-04	2.27E-04	9.92E-05	9.92E-05
6063	441371.3	3769469	1.20E-03	1.20E-03	1.35E-03	1.35E-03	2.26E-04	2.26E-04	9.91E-05	9.91E-05
6064	441361.9	3769468	1.20E-03	1.20E-03	1.35E-03	1.35E-03	2.26E-04	2.26E-04	9.89E-05	9.89E-05
6065	441352.5	3769468	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.25E-04	2.25E-04	9.86E-05	9.86E-05
6066	441343.1	3769467	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.25E-04	2.25E-04	9.83E-05	9.83E-05
6067	441333.7	3769466	1.19E-03	1.19E-03	1.34E-03	1.34E-03	2.24E-04	2.24E-04	9.81E-05	9.81E-05
6068	441324.3	3769465	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.24E-04	2.24E-04	9.79E-05	9.79E-05
6069	441314.9	3769464	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.77E-05	9.77E-05
6070	441305.6	3769463	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.76E-05	9.76E-05
6071	441296.2	3769462	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.23E-04	2.23E-04	9.73E-05	9.73E-05
6072	441286.8	3769462	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.22E-04	2.22E-04	9.69E-05	9.69E-05
6073	441277.4	3769461	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.21E-04	2.21E-04	9.66E-05	9.66E-05
6074	441268	3769460	1.16E-03	1.16E-03	1.31E-03	1.31E-03	2.20E-04	2.20E-04	9.61E-05	9.61E-05
6075	441249.2	3769458	1.15E-03	1.15E-03	1.30E-03	1.30E-03	2.17E-04	2.17E-04	9.50E-05	9.50E-05
6076	441239.8	3769457	1.14E-03	1.14E-03	1.29E-03	1.29E-03	2.16E-04	2.16E-04	9.44E-05	9.44E-05
6077	441230.4	3769456	1.14E-03	1.14E-03	1.29E-03	1.29E-03	2.16E-04	2.16E-04	9.43E-05	9.43E-05
6078	441221	3769456	1.14E-03	1.14E-03	1.28E-03	1.28E-03	2.15E-04	2.15E-04	9.40E-05	9.40E-05
6079	441211.6	3769455	1.13E-03	1.13E-03	1.28E-03	1.28E-03	2.14E-04	2.14E-04	9.38E-05	9.38E-05
6080	441202.2	3769454	1.13E-03	1.13E-03	1.27E-03	1.27E-03	2.14E-04	2.14E-04	9.35E-05	9.35E-05
6081	441183.4	3769452	1.13E-03	1.13E-03	1.27E-03	1.27E-03	2.13E-04	2.13E-04	9.31E-05	9.31E-05
6082	441117.7	3769446	1.12E-03	1.12E-03	1.26E-03	1.26E-03	2.11E-04	2.11E-04	9.24E-05	9.24E-05
6083	441108.3	3769445	1.11E-03	1.11E-03	1.26E-03	1.26E-03	2.11E-04	2.11E-04	9.21E-05	9.21E-05
6084	441098.9	3769444	1.11E-03	1.11E-03	1.25E-03	1.25E-03	2.10E-04	2.10E-04	9.19E-05	9.19E-05
6085	441089.5	3769444	1.11E-03	1.11E-03	1.25E-03	1.25E-03	2.09E-04	2.09E-04	9.15E-05	9.15E-05
6086	441080.1	3769443	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.09E-04	2.09E-04	9.13E-05	9.13E-05
6087	441070.7	3769442	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.08E-04	2.08E-04	9.10E-05	9.10E-05
6088	441061.3	3769441	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.07E-04	2.07E-04	9.06E-05	9.06E-05
6089	441051.9	3769440	1.09E-03	1.09E-03	1.23E-03	1.23E-03	2.06E-04	2.06E-04	9.02E-05	9.02E-05
6090	440929.8	3769429	1.03E-03	1.03E-03	1.16E-03	1.16E-03	1.95E-04	1.95E-04	8.51E-05	8.51E-05
6091	440860.3	3769399	1.02E-03	1.02E-03	1.15E-03	1.15E-03	1.93E-04	1.93E-04	8.43E-05	8.43E-05
6092	440855.9	3769390	1.03E-03	1.03E-03	1.16E-03	1.16E-03	1.95E-04	1.95E-04	8.51E-05	8.51E-05
6093	440834	3769349	1.09E-03	1.09E-03	1.23E-03	1.23E-03	2.06E-04	2.06E-04	9.00E-05	9.00E-05
6094	440829.6	3769340	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.08E-04	2.08E-04	9.09E-05	9.09E-05
6095	440742	3769173	1.39E-03	1.39E-03	1.57E-03	1.57E-03	2.63E-04	2.63E-04	1.15E-04	1.15E-04
6096	440737.6	3769165	1.41E-03	1.41E-03	1.58E-03	1.58E-03	2.66E-04	2.66E-04	1.16E-04	1.16E-04
6097	440733.2	3769157	1.42E-03	1.42E-03	1.60E-03	1.60E-03	2.69E-04	2.69E-04	1.17E-04	1.17E-04
6098	440728.8	3769148	1.44E-03	1.44E-03	1.62E-03	1.62E-03	2.72E-04	2.72E-04	1.19E-04	1.19E-04
6099	440724.5	3769140	1.45E-03	1.45E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
6100	440720.1	3769131	1.47E-03	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.22E-04	1.22E-04
6101	440715.7	3769123	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
6102	440711.3	3769115	1.50E-03	1.50E-03	1.70E-03	1.70E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
6103	440706.9	3769106	1.52E-03	1.52E-03	1.71E-03	1.71E-03	2.88E-04	2.88E-04	1.26E-04	1.26E-04
6104	440702.6	3769098	1.54E-03	1.54E-03	1.73E-03	1.73E-03	2.91E-04	2.91E-04	1.27E-04	1.27E-04
6105	440698.2	3769090	1.56E-03	1.56E-03	1.75E-03	1.75E-03	2.94E-04	2.94E-04	1.29E-04	1.29E-04
6106	440693.8	3769081	1.57E-03	1.57E-03	1.77E-03	1.77E-03	2.97E-04	2.97E-04	1.30E-04	1.30E-04
6107	440689.4	3769073	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.00E-04	3.00E-04	1.31E-04	1.31E-04
6108	440685	3769065	1.61E-03	1.61E-03	1.81E-03	1.81E-03	3.04E-04	3.04E-04	1.33E-04	1.33E-04
6109	440680.7	3769056	1.62E-03	1.62E-03	1.83E-03	1.83E-03	3.07E-04	3.07E-04	1.34E-04	1.34E-04
6110	440676.3	3769048	1.64E-03	1.64E-03	1.85E-03	1.85E-03	3.10E-04	3.10E-04	1.36E-04	1.36E-04
6111	440650	3768998	1.75E-03	1.75E-03	1.97E-03	1.97E-03	3.30E-04	3.30E-04	1.44E-04	1.44E-04
6112	440645.6	3768989	1.76E-03	1.76E-03	1.99E-03	1.99E-03	3.33E-04	3.33E-04	1.46E-04	1.46E-04
6113	440641.2	3768981	1.78E-03	1.78E-03	2.01E-03	2.01E-03	3.37E-04	3.37E-04	1.47E-04	1.47E-04
6114	440636.9	3768973	1.80E-03	1.80E-03	2.03E-03	2.03E-03	3.40E-04	3.40E-04	1.49E-04	1.49E-04
6115	441546.8	3769521	1.22E-03	1.22E-03	1.38E-03	1.38E-03	2.31E-04	2.31E-04	1.01E-04	1.01E-04
6116	441537.4	3769520	1.22E-03	1.22E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.00E-04	1.00E-04
6117	441528	3769519	1.21E-03	1.21E-03	1.36E-03	1.36E-03	2.28E-04	2.28E-04	9.99E-05	9.99E-05
6118	441481	3769515	1.17E-03	1.17E-03	1.32E-03	1.32E-03	2.22E-04	2.22E-04	9.69E-05	9.69E-05
6119	441471.6	3769514	1.17E-03	1.17E-03	1.31E-03	1.31E-03	2.20E-04	2.20E-04	9.63E-05	9.63E-05
6120	441462.2	3769513	1.16E-03	1.16E-03	1.30E-03	1.30E-03	2.19E-04	2.19E-04	9.57E-05	9.57E-05
6121	441452.8	3769512	1.15E-03	1.15E-03	1.30E-03	1.30E-03	2.17E-04	2.17E-04	9.50E-05	9.50E-05
6122	441443.4	3769511	1.14E-03	1.14E-03	1.29E-03	1.29E-03	2.16E-04	2.16E-04	9.44E-05	9.44E-05
6123	440860.6	3769458	9.27E-04	9.27E-04	1.05E-03	1.05E-03	1.75E-04	1.75E-04	7.67E-05	7.67E-05
6124	440838	3769432	9.48E-04	9.48E-04	1.07E-03	1.07E-03	1.79E-04	1.79E-04	7.84E-05	7.84E-05
6125	440833.6	3769424	9.58E-04	9.58E-04	1.08E-03	1.08E-03	1.81E-04	1.81E-04	7.92E-05	7.92E-05
6126	440829.2	3769415	9.68E-04	9.68E-04	1.09E-03	1.09E-03	1.83E-04	1.83E-04	8.00E-05	8.00E-05
6127	440824.9	3769407	9.78E-04	9.78E-04	1.10E-03	1.10E-03	1.85E-04	1.85E-04	8.09E-05	8.09E-05
6128	440798.6	3769357	1.04E-03	1.04E-03	1.17E-03	1.17E-03	1.96E-04	1.96E-04	8.58E-05	8.58E-05
6129	440794.2	3769348	1.05E-03	1.05E-03	1.18E-03	1.18E-03	1.98E-04	1.98E-04	8.66E-05	8.66E-05

6130	440781	3769323	1.07E-03	1.07E-03	1.21E-03	1.21E-03	2.03E-04	2.03E-04	8.88E-05	8.88E-05
6131	440776.6	3769315	1.08E-03	1.08E-03	1.22E-03	1.22E-03	2.05E-04	2.05E-04	8.96E-05	8.96E-05
6132	440702.1	3769173	1.31E-03	1.31E-03	1.47E-03	1.47E-03	2.47E-04	2.47E-04	1.08E-04	1.08E-04
6133	440697.7	3769165	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.09E-04	1.09E-04
6134	440693.4	3769156	1.35E-03	1.35E-03	1.53E-03	1.53E-03	2.56E-04	2.56E-04	1.12E-04	1.12E-04
6135	440689	3769148	1.37E-03	1.37E-03	1.54E-03	1.54E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04
6136	440684.6	3769139	1.38E-03	1.38E-03	1.56E-03	1.56E-03	2.61E-04	2.61E-04	1.14E-04	1.14E-04
6137	440680.2	3769131	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.64E-04	2.64E-04	1.16E-04	1.16E-04
6138	440675.8	3769123	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
6139	440671.4	3769114	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
6140	440667.1	3769106	1.44E-03	1.44E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.19E-04	1.19E-04
6141	440662.7	3769098	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.76E-04	2.76E-04	1.21E-04	1.21E-04
6142	440658.3	3769089	1.47E-03	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.22E-04	1.22E-04
6143	440653.9	3769081	1.49E-03	1.49E-03	1.68E-03	1.68E-03	2.81E-04	2.81E-04	1.23E-04	1.23E-04
6144	440649.5	3769073	1.50E-03	1.50E-03	1.70E-03	1.70E-03	2.84E-04	2.84E-04	1.24E-04	1.24E-04
6145	440645.1	3769064	1.52E-03	1.52E-03	1.71E-03	1.71E-03	2.87E-04	2.87E-04	1.26E-04	1.26E-04
6146	440640.8	3769056	1.54E-03	1.54E-03	1.73E-03	1.73E-03	2.90E-04	2.90E-04	1.27E-04	1.27E-04
6147	440636.4	3769047	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.93E-04	2.93E-04	1.28E-04	1.28E-04
6148	440610.1	3768997	1.65E-03	1.65E-03	1.85E-03	1.85E-03	3.11E-04	3.11E-04	1.36E-04	1.36E-04
6149	440605.7	3768989	1.66E-03	1.66E-03	1.87E-03	1.87E-03	3.14E-04	3.14E-04	1.37E-04	1.37E-04
6150	441553.3	3769557	1.13E-03	1.13E-03	1.27E-03	1.27E-03	2.13E-04	2.13E-04	9.34E-05	9.34E-05
6151	441543.9	3769556	1.12E-03	1.12E-03	1.27E-03	1.27E-03	2.12E-04	2.12E-04	9.29E-05	9.29E-05
6152	441534.4	3769555	1.12E-03	1.12E-03	1.26E-03	1.26E-03	2.11E-04	2.11E-04	9.23E-05	9.23E-05
6153	441525	3769554	1.11E-03	1.11E-03	1.25E-03	1.25E-03	2.10E-04	2.10E-04	9.18E-05	9.18E-05
6154	441515.6	3769553	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.09E-04	2.09E-04	9.13E-05	9.13E-05
6155	441506.2	3769552	1.10E-03	1.10E-03	1.24E-03	1.24E-03	2.08E-04	2.08E-04	9.08E-05	9.08E-05
6156	441496.8	3769551	1.09E-03	1.09E-03	1.23E-03	1.23E-03	2.06E-04	2.06E-04	9.02E-05	9.02E-05
6157	441487.4	3769551	1.09E-03	1.09E-03	1.22E-03	1.22E-03	2.05E-04	2.05E-04	8.97E-05	8.97E-05
6158	441478	3769550	1.08E-03	1.08E-03	1.22E-03	1.22E-03	2.04E-04	2.04E-04	8.91E-05	8.91E-05
6159	441468.6	3769549	1.07E-03	1.07E-03	1.21E-03	1.21E-03	2.02E-04	2.02E-04	8.85E-05	8.85E-05
6160	441459.2	3769548	1.06E-03	1.06E-03	1.20E-03	1.20E-03	2.01E-04	2.01E-04	8.79E-05	8.79E-05
6161	441449.8	3769547	1.06E-03	1.06E-03	1.19E-03	1.19E-03	2.00E-04	2.00E-04	8.73E-05	8.73E-05
6162	441440.4	3769546	1.05E-03	1.05E-03	1.18E-03	1.18E-03	1.99E-04	1.99E-04	8.69E-05	8.69E-05
6163	441177	3769522	9.82E-04	9.82E-04	1.11E-03	1.11E-03	1.86E-04	1.86E-04	8.12E-05	8.12E-05
6164	441167.6	3769521	9.80E-04	9.80E-04	1.10E-03	1.10E-03	1.85E-04	1.85E-04	8.10E-05	8.10E-05
6165	441158.2	3769520	9.77E-04	9.77E-04	1.10E-03	1.10E-03	1.85E-04	1.85E-04	8.08E-05	8.08E-05
6166	440802.6	3769440	9.09E-04	9.09E-04	1.02E-03	1.02E-03	1.72E-04	1.72E-04	7.51E-05	7.51E-05
6167	440785.1	3769407	9.44E-04	9.44E-04	1.06E-03	1.06E-03	1.78E-04	1.78E-04	7.81E-05	7.81E-05
6168	440780.7	3769398	9.54E-04	9.54E-04	1.08E-03	1.08E-03	1.80E-04	1.80E-04	7.89E-05	7.89E-05
6169	440776.3	3769390	9.63E-04	9.63E-04	1.09E-03	1.09E-03	1.82E-04	1.82E-04	7.97E-05	7.97E-05
6170	440758.7	3769357	9.98E-04	9.98E-04	1.12E-03	1.12E-03	1.89E-04	1.89E-04	8.25E-05	8.25E-05
6171	440754.4	3769348	1.01E-03	1.01E-03	1.13E-03	1.13E-03	1.90E-04	1.90E-04	8.32E-05	8.32E-05
6172	440750	3769340	1.01E-03	1.01E-03	1.14E-03	1.14E-03	1.92E-04	1.92E-04	8.38E-05	8.38E-05
6173	440745.6	3769331	1.02E-03	1.02E-03	1.15E-03	1.15E-03	1.93E-04	1.93E-04	8.46E-05	8.46E-05
6174	440736.8	3769315	1.04E-03	1.04E-03	1.17E-03	1.17E-03	1.97E-04	1.97E-04	8.61E-05	8.61E-05
6175	440662.2	3769172	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.39E-04	2.39E-04	1.05E-04	1.05E-04
6176	440653.5	3769156	1.29E-03	1.29E-03	1.46E-03	1.46E-03	2.44E-04	2.44E-04	1.07E-04	1.07E-04
6177	440649.1	3769147	1.31E-03	1.31E-03	1.47E-03	1.47E-03	2.47E-04	2.47E-04	1.08E-04	1.08E-04
6178	440644.7	3769139	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.49E-04	2.49E-04	1.09E-04	1.09E-04
6179	440640.3	3769131	1.33E-03	1.33E-03	1.50E-03	1.50E-03	2.52E-04	2.52E-04	1.10E-04	1.10E-04
6180	440635.9	3769122	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.54E-04	2.54E-04	1.11E-04	1.11E-04
6181	440631.5	3769114	1.36E-03	1.36E-03	1.53E-03	1.53E-03	2.57E-04	2.57E-04	1.12E-04	1.12E-04
6182	440627.2	3769106	1.37E-03	1.37E-03	1.55E-03	1.55E-03	2.59E-04	2.59E-04	1.13E-04	1.13E-04
6183	440622.8	3769097	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
6184	440618.4	3769089	1.40E-03	1.40E-03	1.58E-03	1.58E-03	2.65E-04	2.65E-04	1.16E-04	1.16E-04
6185	440614	3769080	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
6186	440609.6	3769072	1.43E-03	1.43E-03	1.61E-03	1.61E-03	2.70E-04	2.70E-04	1.18E-04	1.18E-04
6187	440605.2	3769064	1.44E-03	1.44E-03	1.63E-03	1.63E-03	2.73E-04	2.73E-04	1.19E-04	1.19E-04
6188	440600.8	3769055	1.46E-03	1.46E-03	1.64E-03	1.64E-03	2.75E-04	2.75E-04	1.20E-04	1.20E-04
6189	440596.5	3769047	1.47E-03	1.47E-03	1.66E-03	1.66E-03	2.78E-04	2.78E-04	1.21E-04	1.21E-04
6190	440570.1	3768997	1.55E-03	1.55E-03	1.75E-03	1.75E-03	2.93E-04	2.93E-04	1.28E-04	1.28E-04
6191	440565.8	3768988	1.57E-03	1.57E-03	1.76E-03	1.76E-03	2.96E-04	2.96E-04	1.29E-04	1.29E-04
6192	440561.4	3768980	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.98E-04	2.98E-04	1.30E-04	1.30E-04
6193	440557	3768972	1.59E-03	1.59E-03	1.79E-03	1.79E-03	3.01E-04	3.01E-04	1.32E-04	1.32E-04
6194	440548.2	3768955	1.62E-03	1.62E-03	1.82E-03	1.82E-03	3.05E-04	3.05E-04	1.34E-04	1.34E-04
6195	441178.9	3769558	9.16E-04	9.16E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.57E-05	7.57E-05
6196	441169.6	3769557	9.15E-04	9.15E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.57E-05	7.57E-05
6197	441160.3	3769556	9.14E-04	9.14E-04	1.03E-03	1.03E-03	1.73E-04	1.73E-04	7.56E-05	7.56E-05
6198	440759	3769433	8.85E-04	8.85E-04	9.98E-04	9.98E-04	1.67E-04	1.67E-04	7.32E-05	7.32E-05
6199	440750.3	3769416	9.01E-04	9.01E-04	1.02E-03	1.02E-03	1.70E-04	1.70E-04	7.45E-05	7.45E-05
6200	440745.9	3769408	9.09E-04	9.09E-04	1.02E-03	1.02E-03	1.72E-04	1.72E-04	7.51E-05	7.51E-05
6201	440737.3	3769391	9.25E-04	9.25E-04	1.04E-03	1.04E-03	1.75E-04	1.75E-04	7.65E-05	7.65E-05
6202	440702.6	3769325	9.88E-04	9.88E-04	1.11E-03	1.11E-03	1.87E-04	1.87E-04	8.17E-05	8.17E-05

6203	440620.1	3769168	1.22E-03	1.22E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.01E-04	1.01E-04
6204	440611.4	3769151	1.24E-03	1.24E-03	1.40E-03	1.40E-03	2.34E-04	2.34E-04	1.02E-04	1.02E-04
6205	440607.1	3769143	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.36E-04	2.36E-04	1.03E-04	1.03E-04
6206	440602.8	3769135	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.39E-04	2.39E-04	1.04E-04	1.04E-04
6207	440598.4	3769126	1.28E-03	1.28E-03	1.44E-03	1.44E-03	2.41E-04	2.41E-04	1.05E-04	1.05E-04
6208	440594.1	3769118	1.29E-03	1.29E-03	1.45E-03	1.45E-03	2.43E-04	2.43E-04	1.06E-04	1.06E-04
6209	440589.7	3769110	1.30E-03	1.30E-03	1.46E-03	1.46E-03	2.46E-04	2.46E-04	1.07E-04	1.07E-04
6210	440585.4	3769102	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.08E-04	1.08E-04
6211	440581.1	3769093	1.32E-03	1.32E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.09E-04	1.09E-04
6212	440576.7	3769085	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.53E-04	2.53E-04	1.10E-04	1.10E-04
6213	440572.4	3769077	1.35E-03	1.35E-03	1.52E-03	1.52E-03	2.55E-04	2.55E-04	1.12E-04	1.12E-04
6214	440568.1	3769069	1.36E-03	1.36E-03	1.53E-03	1.53E-03	2.57E-04	2.57E-04	1.13E-04	1.13E-04
6215	440563.7	3769060	1.37E-03	1.37E-03	1.55E-03	1.55E-03	2.60E-04	2.60E-04	1.14E-04	1.14E-04
6216	440559.4	3769052	1.39E-03	1.39E-03	1.56E-03	1.56E-03	2.62E-04	2.62E-04	1.15E-04	1.15E-04
6217	440555	3769044	1.40E-03	1.40E-03	1.57E-03	1.57E-03	2.64E-04	2.64E-04	1.16E-04	1.16E-04
6218	440550.7	3769035	1.41E-03	1.41E-03	1.59E-03	1.59E-03	2.67E-04	2.67E-04	1.17E-04	1.17E-04
6219	440710.6	3769416	8.66E-04	8.66E-04	9.76E-04	9.76E-04	1.64E-04	1.64E-04	7.16E-05	7.16E-05
6220	440706.3	3769408	8.73E-04	8.73E-04	9.85E-04	9.85E-04	1.65E-04	1.65E-04	7.22E-05	7.22E-05
6221	440701.9	3769400	8.80E-04	8.80E-04	9.92E-04	9.92E-04	1.66E-04	1.66E-04	7.28E-05	7.28E-05
6222	440697.6	3769391	8.87E-04	8.87E-04	1.00E-03	1.00E-03	1.68E-04	1.68E-04	7.34E-05	7.34E-05
6223	440680.2	3769358	9.20E-04	9.20E-04	1.04E-03	1.04E-03	1.74E-04	1.74E-04	7.60E-05	7.60E-05
6224	440675.9	3769350	9.29E-04	9.29E-04	1.05E-03	1.05E-03	1.76E-04	1.76E-04	7.68E-05	7.68E-05
6225	440671.5	3769342	9.37E-04	9.37E-04	1.06E-03	1.06E-03	1.77E-04	1.77E-04	7.75E-05	7.75E-05
6226	440662.8	3769325	9.55E-04	9.55E-04	1.08E-03	1.08E-03	1.81E-04	1.81E-04	7.89E-05	7.89E-05
6227	440580.3	3769168	1.16E-03	1.16E-03	1.31E-03	1.31E-03	2.19E-04	2.19E-04	9.60E-05	9.60E-05
6228	440571.6	3769151	1.18E-03	1.18E-03	1.33E-03	1.33E-03	2.24E-04	2.24E-04	9.78E-05	9.78E-05
6229	440567.3	3769143	1.19E-03	1.19E-03	1.35E-03	1.35E-03	2.26E-04	2.26E-04	9.87E-05	9.87E-05
6230	440563	3769134	1.21E-03	1.21E-03	1.36E-03	1.36E-03	2.28E-04	2.28E-04	9.96E-05	9.96E-05
6231	440558.6	3769126	1.22E-03	1.22E-03	1.37E-03	1.37E-03	2.30E-04	2.30E-04	1.01E-04	1.01E-04
6232	440554.3	3769118	1.23E-03	1.23E-03	1.38E-03	1.38E-03	2.32E-04	2.32E-04	1.01E-04	1.01E-04
6233	440549.9	3769110	1.24E-03	1.24E-03	1.40E-03	1.40E-03	2.34E-04	2.34E-04	1.02E-04	1.02E-04
6234	440545.6	3769101	1.25E-03	1.25E-03	1.41E-03	1.41E-03	2.36E-04	2.36E-04	1.03E-04	1.03E-04
6235	440541.2	3769093	1.26E-03	1.26E-03	1.42E-03	1.42E-03	2.38E-04	2.38E-04	1.04E-04	1.04E-04
6236	440536.9	3769085	1.27E-03	1.27E-03	1.43E-03	1.43E-03	2.40E-04	2.40E-04	1.05E-04	1.05E-04
6237	440532.5	3769076	1.28E-03	1.28E-03	1.45E-03	1.45E-03	2.42E-04	2.42E-04	1.06E-04	1.06E-04
6238	440528.2	3769068	1.29E-03	1.29E-03	1.46E-03	1.46E-03	2.44E-04	2.44E-04	1.07E-04	1.07E-04
6239	440523.9	3769060	1.30E-03	1.30E-03	1.47E-03	1.47E-03	2.47E-04	2.47E-04	1.08E-04	1.08E-04
6240	440519.5	3769052	1.31E-03	1.31E-03	1.48E-03	1.48E-03	2.48E-04	2.48E-04	1.09E-04	1.09E-04
6241	440515.2	3769043	1.33E-03	1.33E-03	1.49E-03	1.49E-03	2.50E-04	2.50E-04	1.10E-04	1.10E-04
6242	440510.8	3769035	1.34E-03	1.34E-03	1.51E-03	1.51E-03	2.53E-04	2.53E-04	1.10E-04	1.10E-04
6243	441511.9	3769212	3.00E-03	3.00E-03	3.39E-03	3.39E-03	5.68E-04	5.68E-04	2.48E-04	2.48E-04
6244	441527.1	3769249	2.65E-03	2.65E-03	2.99E-03	2.99E-03	5.02E-04	5.02E-04	2.19E-04	2.19E-04
6245	441536	3769245	2.71E-03	2.71E-03	3.06E-03	3.06E-03	5.13E-04	5.13E-04	2.24E-04	2.24E-04
6246	441545	3769242	2.77E-03	2.77E-03	3.12E-03	3.12E-03	5.24E-04	5.24E-04	2.29E-04	2.29E-04
6247	441553.9	3769238	2.84E-03	2.84E-03	3.20E-03	3.20E-03	5.36E-04	5.36E-04	2.34E-04	2.34E-04
6248	441562.9	3769234	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.48E-04	5.48E-04	2.40E-04	2.40E-04
6249	441571.8	3769231	2.97E-03	2.97E-03	3.34E-03	3.34E-03	5.61E-04	5.61E-04	2.45E-04	2.45E-04
6250	441580.8	3769227	3.03E-03	3.03E-03	3.42E-03	3.42E-03	5.74E-04	5.74E-04	2.51E-04	2.51E-04
6251	441589.7	3769223	3.10E-03	3.10E-03	3.50E-03	3.50E-03	5.87E-04	5.87E-04	2.57E-04	2.57E-04
6252	441598.7	3769220	3.18E-03	3.18E-03	3.58E-03	3.58E-03	6.00E-04	6.00E-04	2.63E-04	2.63E-04
6253	441607.6	3769216	3.25E-03	3.25E-03	3.66E-03	3.66E-03	6.14E-04	6.14E-04	2.68E-04	2.68E-04
6254	441542.2	3769286	2.31E-03	2.31E-03	2.61E-03	2.61E-03	4.37E-04	4.37E-04	1.91E-04	1.91E-04
6255	441551.2	3769282	2.36E-03	2.36E-03	2.66E-03	2.66E-03	4.47E-04	4.47E-04	1.95E-04	1.95E-04
6256	441560.2	3769279	2.42E-03	2.42E-03	2.72E-03	2.72E-03	4.57E-04	4.57E-04	2.00E-04	2.00E-04
6257	441569.1	3769275	2.47E-03	2.47E-03	2.78E-03	2.78E-03	4.67E-04	4.67E-04	2.04E-04	2.04E-04
6258	441578.1	3769271	2.53E-03	2.53E-03	2.85E-03	2.85E-03	4.77E-04	4.77E-04	2.09E-04	2.09E-04
6259	441587	3769268	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.16E-04	2.16E-04
6260	441596	3769264	2.67E-03	2.67E-03	3.01E-03	3.01E-03	5.06E-04	5.06E-04	2.21E-04	2.21E-04
6261	441604.9	3769260	2.73E-03	2.73E-03	3.08E-03	3.08E-03	5.16E-04	5.16E-04	2.26E-04	2.26E-04
6262	441613.9	3769257	2.79E-03	2.79E-03	3.14E-03	3.14E-03	5.27E-04	5.27E-04	2.30E-04	2.30E-04
6263	441622.8	3769253	2.84E-03	2.84E-03	3.21E-03	3.21E-03	5.38E-04	5.38E-04	2.35E-04	2.35E-04
6264	441631.8	3769249	2.90E-03	2.90E-03	3.27E-03	3.27E-03	5.49E-04	5.49E-04	2.40E-04	2.40E-04
6265	441640.7	3769246	2.96E-03	2.96E-03	3.34E-03	3.34E-03	5.60E-04	5.60E-04	2.45E-04	2.45E-04
6266	441649.7	3769242	3.02E-03	3.02E-03	3.41E-03	3.41E-03	5.71E-04	5.71E-04	2.50E-04	2.50E-04
6267	441658.6	3769238	3.08E-03	3.08E-03	3.47E-03	3.47E-03	5.83E-04	5.83E-04	2.55E-04	2.55E-04
6268	441667.6	3769235	3.15E-03	3.15E-03	3.55E-03	3.55E-03	5.95E-04	5.95E-04	2.60E-04	2.60E-04
6269	441566.4	3769319	2.11E-03	2.11E-03	2.38E-03	2.38E-03	3.99E-04	3.99E-04	1.74E-04	1.74E-04
6270	441575.3	3769316	2.16E-03	2.16E-03	2.43E-03	2.43E-03	4.08E-04	4.08E-04	1.79E-04	1.79E-04
6271	441584.3	3769312	2.21E-03	2.21E-03	2.49E-03	2.49E-03	4.18E-04	4.18E-04	1.83E-04	1.83E-04
6272	441593.2	3769308	2.26E-03	2.26E-03	2.55E-03	2.55E-03	4.27E-04	4.27E-04	1.87E-04	1.87E-04
6273	441602.2	3769305	2.31E-03	2.31E-03	2.60E-03	2.60E-03	4.36E-04	4.36E-04	1.91E-04	1.91E-04
6274	441611.1	3769301	2.35E-03	2.35E-03	2.65E-03	2.65E-03	4.44E-04	4.44E-04	1.94E-04	1.94E-04
6275	441620.1	3769297	2.39E-03	2.39E-03	2.70E-03	2.70E-03	4.52E-04	4.52E-04	1.98E-04	1.98E-04

6276	441629	3769294	2.43E-03	2.43E-03	2.74E-03	2.74E-03	4.60E-04	4.60E-04	2.01E-04	2.01E-04
6277	441638	3769290	2.47E-03	2.47E-03	2.79E-03	2.79E-03	4.68E-04	4.68E-04	2.04E-04	2.04E-04
6278	441646.9	3769286	2.52E-03	2.52E-03	2.84E-03	2.84E-03	4.76E-04	4.76E-04	2.08E-04	2.08E-04
6279	441655.9	3769283	2.57E-03	2.57E-03	2.89E-03	2.89E-03	4.85E-04	4.85E-04	2.12E-04	2.12E-04
6280	441664.9	3769279	2.62E-03	2.62E-03	2.95E-03	2.95E-03	4.95E-04	4.95E-04	2.16E-04	2.16E-04
6281	441673.8	3769275	2.72E-03	2.72E-03	3.07E-03	3.07E-03	5.14E-04	5.14E-04	2.25E-04	2.25E-04
6282	441682.8	3769272	2.78E-03	2.78E-03	3.13E-03	3.13E-03	5.25E-04	5.25E-04	2.30E-04	2.30E-04
6283	441581.5	3769356	1.93E-03	1.93E-03	2.18E-03	2.18E-03	3.65E-04	3.65E-04	1.60E-04	1.60E-04
6284	441590.5	3769353	1.97E-03	1.97E-03	2.22E-03	2.22E-03	3.73E-04	3.73E-04	1.63E-04	1.63E-04
6285	441599.5	3769349	2.04E-03	2.04E-03	2.29E-03	2.29E-03	3.85E-04	3.85E-04	1.68E-04	1.68E-04
6286	441608.4	3769345	2.07E-03	2.07E-03	2.34E-03	2.34E-03	3.92E-04	3.92E-04	1.71E-04	1.71E-04
6287	441617.4	3769342	2.11E-03	2.11E-03	2.38E-03	2.38E-03	3.99E-04	3.99E-04	1.75E-04	1.75E-04
6288	441626.3	3769338	2.15E-03	2.15E-03	2.42E-03	2.42E-03	4.07E-04	4.07E-04	1.78E-04	1.78E-04
6289	441635.3	3769334	2.19E-03	2.19E-03	2.47E-03	2.47E-03	4.14E-04	4.14E-04	1.81E-04	1.81E-04
6290	441644.2	3769331	2.22E-03	2.22E-03	2.51E-03	2.51E-03	4.20E-04	4.20E-04	1.84E-04	1.84E-04
6291	441653.2	3769327	2.23E-03	2.23E-03	2.51E-03	2.51E-03	4.21E-04	4.21E-04	1.84E-04	1.84E-04
6292	441662.1	3769323	2.26E-03	2.26E-03	2.55E-03	2.55E-03	4.27E-04	4.27E-04	1.87E-04	1.87E-04
6293	441671.1	3769320	2.29E-03	2.29E-03	2.58E-03	2.58E-03	4.33E-04	4.33E-04	1.89E-04	1.89E-04
6294	441680	3769316	2.32E-03	2.32E-03	2.61E-03	2.61E-03	4.38E-04	4.38E-04	1.92E-04	1.92E-04
6295	441689	3769312	2.35E-03	2.35E-03	2.65E-03	2.65E-03	4.45E-04	4.45E-04	1.95E-04	1.95E-04
6296	441697.9	3769309	2.40E-03	2.40E-03	2.70E-03	2.70E-03	4.53E-04	4.53E-04	1.98E-04	1.98E-04
6297	441713.9	3769475	1.53E-03	1.53E-03	1.73E-03	1.73E-03	2.90E-04	2.90E-04	1.27E-04	1.27E-04
6298	441722.8	3769471	1.56E-03	1.56E-03	1.75E-03	1.75E-03	2.94E-04	2.94E-04	1.29E-04	1.29E-04
6299	441731.8	3769468	1.58E-03	1.58E-03	1.78E-03	1.78E-03	2.98E-04	2.98E-04	1.30E-04	1.30E-04
6300	441740.7	3769464	1.60E-03	1.60E-03	1.80E-03	1.80E-03	3.03E-04	3.03E-04	1.32E-04	1.32E-04
6301	441269.9	3768508	3.89E-02	3.89E-02	4.38E-02	4.38E-02	7.35E-03	7.35E-03	3.22E-03	3.22E-03
6302	441270.6	3768495	3.56E-02	3.56E-02	4.01E-02	4.01E-02	6.72E-03	6.72E-03	2.94E-03	2.94E-03
6303	441465.3	3768466	2.39E-02	2.39E-02	2.70E-02	2.70E-02	4.52E-03	4.52E-03	1.98E-03	1.98E-03
6304	441465.9	3768476	2.60E-02	2.60E-02	2.94E-02	2.94E-02	4.92E-03	4.92E-03	2.15E-03	2.15E-03
6305	441466.5	3768490	3.00E-02	3.00E-02	3.38E-02	3.38E-02	5.68E-03	5.68E-03	2.48E-03	2.48E-03
6306	441465.9	3768501	3.54E-02	3.54E-02	3.99E-02	3.99E-02	6.70E-03	6.70E-03	2.93E-03	2.93E-03
6307	441462.7	3768513	4.49E-02	4.49E-02	5.06E-02	5.06E-02	8.48E-03	8.48E-03	3.71E-03	3.71E-03
6308	441512.7	3768503	2.30E-02	2.30E-02	2.59E-02	2.59E-02	4.35E-03	4.35E-03	1.90E-03	1.90E-03
6309	441513.3	3768494	2.09E-02	2.09E-02	2.35E-02	2.35E-02	3.95E-03	3.95E-03	1.73E-03	1.73E-03
6310	441501.1	3768490	2.22E-02	2.22E-02	2.51E-02	2.51E-02	4.20E-03	4.20E-03	1.84E-03	1.84E-03
6311	441540.8	3768508	1.98E-02	1.98E-02	2.23E-02	2.23E-02	3.74E-03	3.74E-03	1.64E-03	1.64E-03
6312	441537.6	3768490	1.71E-02	1.71E-02	1.93E-02	1.93E-02	3.24E-03	3.24E-03	1.42E-03	1.42E-03
6313	441538.3	3768473	1.51E-02	1.51E-02	1.70E-02	1.70E-02	2.85E-03	2.85E-03	1.25E-03	1.25E-03
6314	441538.3	3768461	1.41E-02	1.41E-02	1.59E-02	1.59E-02	2.66E-03	2.66E-03	1.16E-03	1.16E-03
6315	441558.1	3768461	1.26E-02	1.26E-02	1.42E-02	1.42E-02	2.39E-03	2.39E-03	1.04E-03	1.04E-03
6316	441578	3768460	1.13E-02	1.13E-02	1.28E-02	1.28E-02	2.14E-03	2.14E-03	9.38E-04	9.38E-04
6317	441592.7	3768465	1.09E-02	1.09E-02	1.23E-02	1.23E-02	2.06E-03	2.06E-03	9.00E-04	9.00E-04
6318	441586.3	3768478	1.20E-02	1.20E-02	1.36E-02	1.36E-02	2.28E-03	2.28E-03	9.96E-04	9.96E-04
6319	441562.6	3768476	1.34E-02	1.34E-02	1.51E-02	1.51E-02	2.53E-03	2.53E-03	1.11E-03	1.11E-03
6320	441556.8	3768488	1.51E-02	1.51E-02	1.70E-02	1.70E-02	2.86E-03	2.86E-03	1.25E-03	1.25E-03
6321	441572.9	3768488	1.38E-02	1.38E-02	1.56E-02	1.56E-02	2.62E-03	2.62E-03	1.14E-03	1.14E-03
6322	441589.5	3768487	1.27E-02	1.27E-02	1.43E-02	1.43E-02	2.40E-03	2.40E-03	1.05E-03	1.05E-03
6323	441586.3	3768506	1.52E-02	1.52E-02	1.71E-02	1.71E-02	2.87E-03	2.87E-03	1.25E-03	1.25E-03
6324	441562.6	3768509	1.78E-02	1.78E-02	2.00E-02	2.00E-02	3.36E-03	3.36E-03	1.47E-03	1.47E-03
6325	441616.4	3768506	1.32E-02	1.32E-02	1.48E-02	1.48E-02	2.49E-03	2.49E-03	1.09E-03	1.09E-03
6326	441616.4	3768497	1.22E-02	1.22E-02	1.38E-02	1.38E-02	2.31E-03	2.31E-03	1.01E-03	1.01E-03
6327	441615.1	3768485	1.12E-02	1.12E-02	1.26E-02	1.26E-02	2.11E-03	2.11E-03	9.24E-04	9.24E-04
6328	441614.5	3768473	1.04E-02	1.04E-02	1.17E-02	1.17E-02	1.96E-03	1.96E-03	8.56E-04	8.56E-04
6329	441616.4	3768459	9.49E-03	9.49E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.85E-04	7.85E-04
6330	441628.6	3768485	1.06E-02	1.06E-02	1.19E-02	1.19E-02	1.99E-03	1.99E-03	8.72E-04	8.72E-04
6331	441638.8	3768484	1.01E-02	1.01E-02	1.14E-02	1.14E-02	1.92E-03	1.92E-03	8.38E-04	8.38E-04
6332	441640.1	3768474	9.48E-03	9.48E-03	1.07E-02	1.07E-02	1.79E-03	1.79E-03	7.83E-04	7.83E-04
6333	441627.9	3768474	9.89E-03	9.89E-03	1.11E-02	1.11E-02	1.87E-03	1.87E-03	8.18E-04	8.18E-04

BLD1_A2	0	0	75070	Acetaldehyde	1	1.03414E-05	3.44713E-09	1
BLD1_A2	0	0	107028	Acrolein	1	4.80136E-06	1.60045E-09	1
BLD1_A2	0	0	71432	Benzene	1	0.000104522	3.48407E-08	1
BLD1_A2	0	0	106990	1-3,Butadiene	1	2.03135E-05	6.77116E-09	1
BLD1_A2	0	0	100414	Ethylbenzene	1	4.31384E-05	1.43795E-08	1
BLD1_A2	0	0	50000	Formaldehyde	1	5.8355E-05	1.94517E-08	1
BLD1_A2	0	0	110543	Hexane	1	0.000115971	3.86571E-08	1
BLD1_A2	0	0	67561	Methanol	1	4.43203E-06	1.47734E-09	1
BLD1_A2	0	0	78933	Methyl Ethyl Ketone	1	7.38672E-07	2.46224E-10	1
BLD1_A2	0	0	91203	Naphthalene	1	1.84668E-06	6.1556E-10	1
BLD1_A2	0	0	115071	Propylene	1	0.000113017	3.76722E-08	1
BLD1_A2	0	0	100425	Styrene	1	4.43203E-06	1.47734E-09	1
BLD1_A2	0	0	108883	Toluene	1	0.000275524	9.18415E-08	1
BLD1_A2	0	0	1330207	Xylenes	1	0.000198629	6.62096E-08	1
BLD1_A2	0	0	9901	Diesel	1	0.002862779	9.51711E-07	1
BLD2_AT	0	0	75070	Acetaldehyde	1	8.06615E-06	2.68872E-09	1
BLD2_AT	0	0	107028	Acrolein	1	3.745E-06	1.24833E-09	1
BLD2_AT	0	0	71432	Benzene	1	8.15257E-05	2.71752E-08	1
BLD2_AT	0	0	106990	1-3,Butadiene	1	1.58442E-05	5.28141E-09	1
BLD2_AT	0	0	100414	Ethylbenzene	1	3.36474E-05	1.12158E-08	1
BLD2_AT	0	0	50000	Formaldehyde	1	4.55161E-05	1.5172E-08	1
BLD2_AT	0	0	110543	Hexane	1	9.04561E-05	3.0152E-08	1
BLD2_AT	0	0	67561	Methanol	1	3.45692E-06	1.15231E-09	1
BLD2_AT	0	0	78933	Methyl Ethyl Ketone	1	5.76154E-07	1.92051E-10	1
BLD2_AT	0	0	91203	Naphthalene	1	1.44038E-06	4.80128E-10	1
BLD2_AT	0	0	115071	Propylene	1	8.81515E-05	2.93838E-08	1
BLD2_AT	0	0	100425	Styrene	1	3.45692E-06	1.15231E-09	1
BLD2_AT	0	0	108883	Toluene	1	0.000214905	7.16351E-08	1
BLD2_AT	0	0	1330207	Xylenes	1	0.000154928	5.16426E-08	1
BLD2_AT	0	0	9901	Diesel	1	0.002233717	7.42322E-07	1
CALI	0	0	75070	Acetaldehyde	1	0.001728847	5.76282E-07	1
CALI	0	0	107028	Acrolein	1	0.000802679	2.6756E-07	1
CALI	0	0	71432	Benzene	1	0.017473701	5.82457E-06	1
CALI	0	0	106990	1-3,Butadiene	1	0.003395949	1.13198E-06	1
CALI	0	0	100414	Ethylbenzene	1	0.007211761	2.40392E-06	1
CALI	0	0	50000	Formaldehyde	1	0.009755635	3.25188E-06	1
CALI	0	0	110543	Hexane	1	0.019387781	6.46259E-06	1
CALI	0	0	67561	Methanol	1	0.000740934	2.46978E-07	1
CALI	0	0	78933	Methyl Ethyl Ketone	1	0.000123489	4.1163E-08	1
CALI	0	0	91203	Naphthalene	1	0.000308723	1.02908E-07	1
CALI	0	0	115071	Propylene	1	0.018893825	6.29794E-06	1
CALI	0	0	100425	Styrene	1	0.000740934	2.46978E-07	1
CALI	0	0	108883	Toluene	1	0.046061416	1.53538E-05	1
CALI	0	0	1330207	Xylenes	1	0.033206206	1.10687E-05	1
CALI	0	0	9901	Diesel	1	0.477442666	0.000159104	1
BLD1_A1	0	0	75070	Acetaldehyde	1	1.69501E-05	5.65004E-09	1
BLD1_A1	0	0	107028	Acrolein	1	7.8697E-06	2.62323E-09	1
BLD1_A1	0	0	71432	Benzene	1	0.000171317	5.71058E-08	1
BLD1_A1	0	0	106990	1-3,Butadiene	1	3.32949E-05	1.10983E-08	1
BLD1_A1	0	0	100414	Ethylbenzene	1	7.07063E-05	2.35688E-08	1
BLD1_A1	0	0	50000	Formaldehyde	1	9.56472E-05	3.18824E-08	1
BLD1_A1	0	0	110543	Hexane	1	0.000190084	6.33612E-08	1
BLD1_A1	0	0	67561	Methanol	1	7.26434E-06	2.42145E-09	1
BLD1_A1	0	0	78933	Methyl Ethyl Ketone	1	1.21072E-06	4.03575E-10	1
BLD1_A1	0	0	91203	Naphthalene	1	3.02681E-06	1.00894E-09	1
BLD1_A1	0	0	115071	Propylene	1	0.000185241	6.17469E-08	1
BLD1_A1	0	0	100425	Styrene	1	7.26434E-06	2.42145E-09	1
BLD1_A1	0	0	108883	Toluene	1	0.0004516	1.50533E-07	1
BLD1_A1	0	0	1330207	Xylenes	1	0.000325564	1.08521E-07	1
BLD1_A1	0	0	9901	Diesel	1	0.004689049	1.55991E-06	1
BLD1_T1	0	0	75070	Acetaldehyde	1	2.45603E-05	8.18677E-09	1
BLD1_T1	0	0	107028	Acrolein	1	1.1403E-05	3.801E-09	1
BLD1_T1	0	0	71432	Benzene	1	0.000248235	8.27449E-08	1
BLD1_T1	0	0	106990	1-3,Butadiene	1	4.82435E-05	1.60812E-08	1
BLD1_T1	0	0	100414	Ethylbenzene	1	0.000102452	3.41505E-08	1
BLD1_T1	0	0	50000	Formaldehyde	1	0.00013859	4.61968E-08	1
BLD1_T1	0	0	110543	Hexane	1	0.000275426	9.18088E-08	1
BLD1_T1	0	0	67561	Methanol	1	1.05259E-05	3.50862E-09	1
BLD1_T1	0	0	78933	Methyl Ethyl Ketone	1	1.75431E-06	5.84769E-10	1
BLD1_T1	0	0	91203	Naphthalene	1	4.38577E-06	1.46192E-09	1

Row Labels
BLD1_A1
BLD1_A2
BLD1_T1
BLD2_AT
BV_N
BV_S
CALI
Idle1
Idle10
Idle11
Idle12
Idle13
Idle2
Idle3
Idle4
Idle5
Idle6
Idle7
Idle8
Idle9
MISS_1
MISS_2
ONTARIO
Grand Total

BLD1_T1	0	0	115071	Propylene	1	0.000268409	8.94697E-08	1
BLD1_T1	0	0	100425	Styrene	1	1.05259E-05	3.50862E-09	1
BLD1_T1	0	0	108883	Toluene	1	0.000654357	2.18119E-07	1
BLD1_T1	0	0	1330207	Xylenes	1	0.000471734	1.57245E-07	1
BLD1_T1	0	0	9901	Diesel	1	0.006792028	2.26027E-06	1
ONTARIO	0	0	75070	Acetaldehyde	1	1.69501E-05	5.65004E-09	1
ONTARIO	0	0	107028	Acrolein	1	7.8697E-06	2.62323E-09	1
ONTARIO	0	0	71432	Benzene	1	0.000171317	5.71058E-08	1
ONTARIO	0	0	106990	1-3,Butadiene	1	3.32949E-05	1.10983E-08	1
ONTARIO	0	0	100414	Ethylbenzene	1	7.07063E-05	2.35688E-08	1
ONTARIO	0	0	50000	Formaldehyde	1	9.56472E-05	3.18824E-08	1
ONTARIO	0	0	110543	Hexane	1	0.000190084	6.33612E-08	1
ONTARIO	0	0	67561	Methanol	1	7.26434E-06	2.42145E-09	1
ONTARIO	0	0	78933	Methyl Ethyl Ketone	1	1.21072E-06	4.03575E-10	1
ONTARIO	0	0	91203	Naphthalene	1	3.02681E-06	1.00894E-09	1
ONTARIO	0	0	115071	Propylene	1	0.000185241	6.17469E-08	1
ONTARIO	0	0	100425	Styrene	1	7.26434E-06	2.42145E-09	1
ONTARIO	0	0	108883	Toluene	1	0.0004516	1.50533E-07	1
ONTARIO	0	0	1330207	Xylenes	1	0.000325564	1.08521E-07	1
ONTARIO	0	0	9901	Diesel	1	0.004689049	1.55991E-06	1
BV_N	0	0	75070	Acetaldehyde	1	3.69E-03	1.23E-06	1
BV_N	0	0	107028	Acrolein	1	1.71E-03	5.71E-07	1
BV_N	0	0	71432	Benzene	1	3.73E-02	1.24E-05	1
BV_N	0	0	106990	1-3,Butadiene	1	7.24E-03	2.41E-06	1
BV_N	0	0	100414	Ethylbenzene	1	1.54E-02	5.13E-06	1
BV_N	0	0	50000	Formaldehyde	1	2.08E-02	6.94E-06	1
BV_N	0	0	110543	Hexane	1	4.14E-02	1.38E-05	1
BV_N	0	0	67561	Methanol	1	1.58E-03	5.27E-07	1
BV_N	0	0	78933	Methyl Ethyl Ketone	1	2.63E-04	8.78E-08	1
BV_N	0	0	91203	Naphthalene	1	6.59E-04	2.20E-07	1
BV_N	0	0	115071	Propylene	1	4.03E-02	1.34E-05	1
BV_N	0	0	100425	Styrene	1	1.58E-03	5.27E-07	1
BV_N	0	0	108883	Toluene	1	9.83E-02	3.28E-05	1
BV_N	0	0	1330207	Xylenes	1	7.08E-02	2.36E-05	1
BV_N	0	0	9901	Diesel	1	1.02E+00	3.39E-04	1
BV_S	0	0	75070	Acetaldehyde	1	3.63E-03	1.21E-06	1
BV_S	0	0	107028	Acrolein	1	1.69E-03	5.62E-07	1
BV_S	0	0	71432	Benzene	1	3.67E-02	1.22E-05	1
BV_S	0	0	106990	1-3,Butadiene	1	7.14E-03	2.38E-06	1
BV_S	0	0	100414	Ethylbenzene	1	1.52E-02	5.05E-06	1
BV_S	0	0	50000	Formaldehyde	1	2.05E-02	6.83E-06	1
BV_S	0	0	110543	Hexane	1	4.07E-02	1.36E-05	1
BV_S	0	0	67561	Methanol	1	1.56E-03	5.19E-07	1
BV_S	0	0	78933	Methyl Ethyl Ketone	1	2.60E-04	8.65E-08	1
BV_S	0	0	91203	Naphthalene	1	6.49E-04	2.16E-07	1
BV_S	0	0	115071	Propylene	1	3.97E-02	1.32E-05	1
BV_S	0	0	100425	Styrene	1	1.56E-03	5.19E-07	1
BV_S	0	0	108883	Toluene	1	9.68E-02	3.23E-05	1
BV_S	0	0	1330207	Xylenes	1	6.98E-02	2.33E-05	1
BV_S	0	0	9901	Diesel	1	1.00E+00	3.34E-04	1
MISS_1	0	0	75070	Acetaldehyde	1	2.73E-05	9.10E-09	1
MISS_1	0	0	107028	Acrolein	1	1.27E-05	4.22E-09	1
MISS_1	0	0	71432	Benzene	1	2.76E-04	9.19E-08	1
MISS_1	0	0	106990	1-3,Butadiene	1	5.36E-05	1.79E-08	1
MISS_1	0	0	100414	Ethylbenzene	1	1.14E-04	3.79E-08	1
MISS_1	0	0	50000	Formaldehyde	1	1.54E-04	5.13E-08	1
MISS_1	0	0	110543	Hexane	1	3.06E-04	1.02E-07	1
MISS_1	0	0	67561	Methanol	1	1.17E-05	3.90E-09	1
MISS_1	0	0	78933	Methyl Ethyl Ketone	1	1.95E-06	6.50E-10	1
MISS_1	0	0	91203	Naphthalene	1	4.87E-06	1.62E-09	1
MISS_1	0	0	115071	Propylene	1	2.98E-04	9.94E-08	1
MISS_1	0	0	100425	Styrene	1	1.17E-05	3.90E-09	1
MISS_1	0	0	108883	Toluene	1	7.27E-04	2.42E-07	1
MISS_1	0	0	1330207	Xylenes	1	5.24E-04	1.75E-07	1
MISS_1	0	0	9901	Diesel	1	7.55E-03	2.51E-06	1
MISS_2	0	0	75070	Acetaldehyde	1	2.73E-05	9.10E-09	1
MISS_2	0	0	107028	Acrolein	1	1.27E-05	4.22E-09	1
MISS_2	0	0	71432	Benzene	1	2.76E-04	9.19E-08	1
MISS_2	0	0	106990	1-3,Butadiene	1	5.36E-05	1.79E-08	1
MISS_2	0	0	100414	Ethylbenzene	1	1.14E-04	3.79E-08	1

MISS_2	0	0	50000	Formaldehyde	1	1.54E-04	5.13E-08	1
MISS_2	0	0	110543	Hexane	1	3.06E-04	1.02E-07	1
MISS_2	0	0	67561	Methanol	1	1.17E-05	3.90E-09	1
MISS_2	0	0	78933	Methyl Ethyl Ketone	1	1.95E-06	6.50E-10	1
MISS_2	0	0	91203	Naphthalene	1	4.87E-06	1.62E-09	1
MISS_2	0	0	115071	Propylene	1	2.98E-04	9.94E-08	1
MISS_2	0	0	100425	Styrene	1	1.17E-05	3.90E-09	1
MISS_2	0	0	108883	Toluene	1	7.27E-04	2.42E-07	1
MISS_2	0	0	1330207	Xylenes	1	5.24E-04	1.75E-07	1
MISS_2	0	0	9901	Diesel	1	7.55E-03	2.51E-06	1
Idle11	0	0	9901	Diesel	1	0.143805036	0	1
Idle12	0	0	9901	Diesel	1	0.143805036	0	1
Idle13	0	0	9901	Diesel	1	0.143805036	0	1
Idle1	0	0	9901	Diesel	1	0.085924106	0	1
Idle2	0	0	9901	Diesel	1	0.085924106	0	1
Idle3	0	0	9901	Diesel	1	0.085924106	0	1
Idle4	0	0	9901	Diesel	1	0.085924106	0	1
Idle5	0	0	9901	Diesel	1	0.085924106	0	1
Idle6	0	0	9901	Diesel	1	0.085924106	0	1
Idle7	0	0	9901	Diesel	1	0.085924106	0	1
Idle8	0	0	9901	Diesel	1	0.085924106	0	1
Idle9	0	0	9901	Diesel	1	0.085924106	0	1
Idle10	0	0	9901	Diesel	1	0.085924106	0	1

B2

Daily Trips
224

	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	72.5%	4.6%	5.7%	17.2%	100%
# Daily Vehicles	162.40	10.30	12.77	38.53	224
# Annual Vehicles	59,276	3,761	4,660	14,063	81,760

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	3,761	16.7%	2.49E-05
3-Axle Trks	4,660	20.7%	2.86E-05
4-Axle Trks	14,063	62.5%	6.83E-05
Total	22,484	100%	---

DPM Lbs/ Yr	BLD1_A2	BLD2_AT	CALI				Total
Distance (m)	101	89.2	226.4				416.6
Miles	0.06	0.06	0.14	0.00	0.00	0.00	0.26
2-Axle Trks	1.56E-06	1.38E-06	3.50E-06	0.00E+00	0.00E+00	0.00E+00	2.94E-06
3-Axle Trks	1.79E-06	1.58E-06	4.02E-06	0.00E+00	0.00E+00	0.00E+00	3.38E-06
4-Axle Trks	4.29E-06	3.79E-06	9.62E-06	0.00E+00	0.00E+00	0.00E+00	8.08E-06
Total	7.65E-06	6.75E-06	1.71E-05	0.00E+00	0.00E+00	0.00E+00	1.44E-05

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	3,761	16.7%	6.39E-05
3-Axle Trks	4,660	20.7%	2.55E-05
4-Axle Trks	14,063	62.5%	7.00E-05
Total	22,484	100%	---

DPM Lbs/ Yr	BV_N	BV_S	MISS_1	MISS_2			Total
Gas Only	N	N	N	N	N	N	
Distance (m)	1315.7	1305.9	812.9	831.9	0	0	4266.4
Miles	0.82	0.81	0.51	0.52	0.00	0.00	2.65
2-Axle Trks	5.22E-05	5.18E-05	3.23E-05	3.30E-05	0.00E+00	0.00E+00	1.69E-04
3-Axle Trks	2.08E-05	2.07E-05	1.29E-05	1.32E-05	0.00E+00	0.00E+00	6.76E-05
4-Axle Trks	5.72E-05	5.68E-05	3.54E-05	3.62E-05	0.00E+00	0.00E+00	1.86E-04
Total	1.30E-04	1.29E-04	8.05E-05	8.24E-05	0.00E+00	0.00E+00	4.23E-04

Truck Idle

# of Idling Pts	3

Truck Idling						Idle11	Idle12	Idle13				Total
Category	# of Trucks / Yr	Idle EF (lbs / Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	1	1	1	0	0	0	3
2-Axle Trks	3,761	6.09E-05	0.25	5.73E-02	1.91E-02	1.91E-02	1.91E-02	1.91E-02	0.00E+00	0.00E+00	0.00E+00	5.73E-02
3-Axle Trks	4,660	5.55E-05	0.25	6.47E-02	2.16E-02	2.16E-02	2.16E-02	2.16E-02	0.00E+00	0.00E+00	0.00E+00	6.47E-02
4-Axle Trks	14,063	8.80E-05	0.25	3.09E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	0.00E+00	0.00E+00	0.00E+00	3.09E-01
Total	22,484	--	--	4.31E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01	0.00E+00	0.00E+00	0.00E+00	4.31E-01

TRUs

Percent of Trucks	0		# of Units	1

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.50	4.19E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	59,276	68%	32.14%
# Vehicles		40,222	19,054

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	3.21E-05	5.26E-04
LDT	7.55E-05	9.27E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	3.61E-03	4.03E-03
107028	Acrolein	1.30E-03	1.68E-03	1.87E-03
71432	Benzene	2.47E-02	3.19E-02	3.55E-02
106990	1,3-Butadiene	5.50E-03	7.09E-03	7.91E-03
100414	Ethylbenzene	1.05E-02	1.35E-02	1.51E-02
50000	Formaldehyde	1.58E-02	2.04E-02	2.27E-02
110543	Hexane	1.60E-02	2.06E-02	2.30E-02
67561	Methanol	1.20E-03	1.55E-03	1.73E-03
78933	Methyl Ethyl Ketone	2.00E-04	2.58E-04	2.88E-04
91203	Naphthalene	5.00E-04	6.45E-04	7.19E-04
115071	Propylene	3.06E-02	3.95E-02	4.40E-02
100425	Styrene	1.20E-03	1.55E-03	1.73E-03
108883	Toluene	5.76E-02	7.43E-02	8.28E-02
1330207	Xylenes	4.80E-02	6.19E-02	6.90E-02
9901	Diesel	1.61E-02	1.43E+00	6.78E-01

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	4.64E-03	5.18E-03
100414	Ethylbenzene	1.180E-03	1.52E-03	1.70E-03
110543	Hexane	1.540E-02	1.99E-02	2.21E-02
108883	Toluene	1.700E-02	2.19E-02	2.44E-02
1330207	Xylenes	5.780E-03	7.46E-03	8.31E-03

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	BLD1_A2		BLD2_AT		CALI		0		0		0		BV_N		BV_S		MISS_1		MISS_2		0		0			
				Cars	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					2.16%		1.90%		4.83%		0.00%		0.00%		0.00%		28.10%		27.89%		17.36%		17.76%		0.00%		0.00%		100.00%	4683
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr		
75070	Acetaldehyde	2.55E-06	7.64E-03		3.44713E-09	1.03415E-05	2.69E-09	8.07E-06	1.73E-08	5.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-07	1.75E-03	5.76E-07	1.73E-03	2.23E-07	6.70E-04	2.34E-07	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	4.93E-03
107028	Acrolein	1.18E-06	3.55E-03		1.60045E-09	4.8014E-06	1.25E-09	3.74E-06	8.04E-09	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-07	8.15E-04	2.68E-07	8.03E-04	1.04E-07	3.11E-04	1.09E-07	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-07	2.29E-03
71432	Benzene	2.57E-05	7.72E-02		3.48407E-08	0.00010452	2.72E-08	8.15E-05	1.75E-07	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-06	1.77E-02	5.82E-06	1.75E-02	2.26E-06	6.77E-03	2.36E-06	7.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	4.98E-02
106990	1,3-Butadiene	5.00E-06	1.50E-02		6.77116E-09	2.0313E-05	5.28E-09	1.58E-05	3.40E-08	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	3.45E-03	1.13E-06	3.40E-03	4.39E-07	1.32E-03	4.59E-07	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-06	9.68E-03
100414	Ethylbenzene	1.06E-05	3.19E-02		1.43795E-08	4.3138E-05	1.12E-08	3.36E-05	7.23E-08	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-06	7.32E-03	2.40E-06	7.21E-03	9.31E-07	2.79E-03	9.76E-07	2.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-06	2.05E-02
50000	Formaldehyde	1.44E-05	4.31E-02		1.94517E-08	5.8355E-05	1.52E-08	4.55E-05	9.77E-08	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-06	9.90E-03	3.25E-06	9.76E-03	1.26E-06	3.78E-03	1.32E-06	3.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-06	2.78E-02
110543	Hexane	2.86E-05	8.57E-02		3.86571E-08	0.00011597	3.02E-08	9.05E-05	1.94E-07	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-06	1.97E-02	6.46E-06	1.94E-02	2.50E-06	7.51E-03	2.62E-06	7.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	5.52E-02
67561	Methanol	1.09E-06	3.27E-03		1.47734E-09	4.432E-06	1.15E-09	3.46E-06	7.42E-09	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	7.52E-04	2.47E-07	7.41E-04	9.57E-08	2.87E-04	1.00E-07	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-07	2.11E-03
78933	Methyl Ethyl Ketone	1.82E-07	5.46E-04		2.46224E-10	7.3867E-07	1.92E-10	5.76E-07	1.24E-09	3.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-08	1.25E-04	4.12E-08	1.23E-04	1.60E-08	4.79E-05	1.67E-08	5.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-07	3.52E-04
91203	Naphthalene	4.55E-07	1.36E-03		6.1556E-10	1.8467E-06	4.80E-10	1.44E-06	3.09E-09	9.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	3.13E-04	1.03E-07	3.09E-04	3.99E-08	1.20E-04	4.18E-08	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-07	8.80E-04
115071	Propylene	2.78E-05	8.35E-02		3.76722E-08	0.00011302	2.94E-08	8.82E-05	1.89E-07	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-06	1.92E-02	6.30E-06	1.89E-02	2.44E-06	7.32E-03	2.56E-06	7.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	5.38E-02
100425	Styrene	1.09E-06	3.27E-03		1.47734E-09	4.432E-06	1.15E-09	3.46E-06	7.42E-09	2.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-07	7.52E-04	2.47E-07	7.41E-04	9.57E-08	2.87E-04	1.00E-07	3.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-07	2.11E-03
108883	Toluene	6.78E-05	2.04E-01		9.18415E-08	0.00027552	7.16E-08	2.15E-04	4.61E-07	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	4.68E-02	1.54E-05	4.61E-02	5.95E-06	1.78E-02	6.23E-06	1.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	1.31E-01
1330207	Xylenes	4.89E-05	1.47E-01		6.62096E-08	0.00019863	5.16E-08	1.55E-04	3.33E-07	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-05	3.37E-02	1.11E-05	3.32E-02	4.29E-06	1.29E-02	4.49E-06	1.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-05	9.46E-02
9901	Diesel	7.03E-04	2.11E+00		9.52E-07	2.86E-03	7.42E-07	2.23E-03	4.78E-06	1.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-04	4.85E-01	1.59E-04	4.77E-01	6.17E-05	1.85E-01	6.46E-05	1.94E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	1.36E+00

	Model Source		Source Col	Dat Col		Col	Row	CAS#	Chemical Name	Pol Count	Source Count
1	BLD1_A2		1	8	1	8	98	75070	Acetaldehyde	15	18
2	BLD2_AT		2	10	2	10	99	107028	Acrolein		
3	CALI		3	12	3	12	100	71432	Benzene		
4		0	4	14	4	14	101	106990	1-3,Butadiene		
5		0	5	16	5	16	102	100414	Ethylbenzene		
6		0	6	18	6	18	103	50000	Formaldehyde		
7	BV_N		7	20	7	20	104	110543	Hexane		
8	BV_S		8	22	8	22	105	67561	Methanol		
9	MISS_1		9	24	9	24	106	78933	Methyl Ethyl Ketone		
10	MISS_2		10	26	10	26	107	91203	Naphthalene		
11		0	11	28	11	28	108	115071	Propylene		
12		0	12	30	12	30	109	100425	Styrene		
13	Idle11		Idle1	8		8	110	108883	Toluene		
14	Idle12		Idle1	8		8	111	1330207	Xylenes		
15	Idle13		Idle1	8		8	112	9901	Diesel		
16		0	Idle1	8		8					
17		0	Idle1	8		8	37		Idle		
18		0	Idle1	8		8					
19											
20											
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1	8	98	1	1	BLD1_A2	0	0	75070	Acetaldehyde	1	1.03E-05	3.45E-09	1
1	8	99	1	2	BLD1_A2	0	0	107028	Acrolein	1	4.80E-06	1.60E-09	1
1	8	100	1	3	BLD1_A2	0	0	71432	Benzene	1	1.05E-04	3.48E-08	1
1	8	101	1	4	BLD1_A2	0	0	106990	1-3,Butadiene	1	2.03E-05	6.77E-09	1
1	8	102	1	5	BLD1_A2	0	0	100414	Ethylbenzene	1	4.31E-05	1.44E-08	1
1	8	103	1	6	BLD1_A2	0	0	50000	Formaldehyde	1	5.84E-05	1.95E-08	1
1	8	104	1	7	BLD1_A2	0	0	110543	Hexane	1	1.16E-04	3.87E-08	1
1	8	105	1	8	BLD1_A2	0	0	67561	Methanol	1	4.43E-06	1.48E-09	1
1	8	106	1	9	BLD1_A2	0	0	78933	Methyl Ethyl Ketone	1	7.39E-07	2.46E-10	1
1	8	107	1	10	BLD1_A2	0	0	91203	Naphthalene	1	1.85E-06	6.16E-10	1
1	8	108	1	11	BLD1_A2	0	0	115071	Propylene	1	1.13E-04	3.77E-08	1
1	8	109	1	12	BLD1_A2	0	0	100425	Styrene	1	4.43E-06	1.48E-09	1
1	8	110	1	13	BLD1_A2	0	0	108883	Toluene	1	2.76E-04	9.18E-08	1
1	8	111	1	14	BLD1_A2	0	0	1330207	Xylenes	1	1.99E-04	6.62E-08	1
1	8	112	1	15	BLD1_A2	0	0	9901	Diesel	1	2.86E-03	9.52E-07	1
2	10	98	2	1	BLD2_AT	0	0	75070	Acetaldehyde	1	8.07E-06	2.69E-09	1
2	10	99	2	2	BLD2_AT	0	0	107028	Acrolein	1	3.74E-06	1.25E-09	1
2	10	100	2	3	BLD2_AT	0	0	71432	Benzene	1	8.15E-05	2.72E-08	1
2	10	101	2	4	BLD2_AT	0	0	106990	1-3,Butadiene	1	1.58E-05	5.28E-09	1
2	10	102	2	5	BLD2_AT	0	0	100414	Ethylbenzene	1	3.36E-05	1.12E-08	1
2	10	103	2	6	BLD2_AT	0	0	50000	Formaldehyde	1	4.55E-05	1.52E-08	1
2	10	104	2	7	BLD2_AT	0	0	110543	Hexane	1	9.05E-05	3.02E-08	1
2	10	105	2	8	BLD2_AT	0	0	67561	Methanol	1	3.46E-06	1.15E-09	1
2	10	106	2	9	BLD2_AT	0	0	78933	Methyl Ethyl Ketone	1	5.76E-07	1.92E-10	1
2	10	107	2	10	BLD2_AT	0	0	91203	Naphthalene	1	1.44E-06	4.80E-10	1
2	10	108	2	11	BLD2_AT	0	0	115071	Propylene	1	8.82E-05	2.94E-08	1
2	10	109	2	12	BLD2_AT	0	0	100425	Styrene	1	3.46E-06	1.15E-09	1
2	10	110	2	13	BLD2_AT	0	0	108883	Toluene	1	2.15E-04	7.16E-08	1
2	10	111	2	14	BLD2_AT	0	0	1330207	Xylenes	1	1.55E-04	5.16E-08	1
2	10	112	2	15	BLD2_AT	0	0	9901	Diesel	1	2.23E-03	7.42E-07	1
3	22	98	3	1	CALI	0	0	75070	Acetaldehyde	1	1.73E-03	5.76E-07	1
3	22	99	3	2	CALI	0	0	107028	Acrolein	1	8.03E-04	2.68E-07	1
3	22	100	3	3	CALI	0	0	71432	Benzene	1	1.75E-02	5.82E-06	1
3	22	101	3	4	CALI	0	0	106990	1-3,Butadiene	1	3.40E-03	1.13E-06	1
3	22	102	3	5	CALI	0	0	100414	Ethylbenzene	1	7.21E-03	2.40E-06	1
3	22	103	3	6	CALI	0	0	50000	Formaldehyde	1	9.76E-03	3.25E-06	1
3	22	104	3	7	CALI	0	0	110543	Hexane	1	1.94E-02	6.46E-06	1
3	22	105	3	8	CALI	0	0	67561	Methanol	1	7.41E-04	2.47E-07	1
3	22	106	3	9	CALI	0	0	78933	Methyl Ethyl Ketone	1	1.23E-04	4.12E-08	1
3	22	107	3	10	CALI	0	0	91203	Naphthalene	1	3.09E-04	1.03E-07	1
3	22	108	3	11	CALI	0	0	115071	Propylene	1	1.89E-02	6.30E-06	1
3	22	109	3	12	CALI	0	0	100425	Styrene	1	7.41E-04	2.47E-07	1
3	22	110	3	13	CALI	0	0	108883	Toluene	1	4.61E-02	1.54E-05	1
3	22	111	3	14	CALI	0	0	1330207	Xylenes	1	3.32E-02	1.11E-05	1
3	22	112	3	15	CALI	0	0	9901	Diesel	1	4.77E-01	1.59E-04	1
4	30	98	4	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
4	30	99	4	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
4	30	100	4	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
4	30	101	4	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
4	30	102	4	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
4	30	103	4	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
4	30	104	4	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
4	30	105	4	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
4	30	106	4	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
4	30	107	4	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
4	30	108	4	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
4	30	109	4	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
4	30	110	4	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
4	30	111	4	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
4	30	112	4	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
5	30	98	5	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
5	30	99	5	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
5	30	100	5	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
5	30	101	5	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
5	30	102	5	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
5	30	103	5	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
5	30	104	5	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
5	30	105	5	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
5	30	106	5	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
5	30	107	5	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
5	30	108	5	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
5	30	109	5	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
5	30	110	5	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
5	30	111	5	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
5	30	112	5	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
6	30	98	6	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
6	30	99	6	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
6	30	100	6	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
6	30	101	6	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
6	30	102	6	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
6	30	103	6	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
6	30	104	6	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
6	30	105	6	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
6	30	106	6	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
6	30	107	6	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
6	30	108	6	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
6	30	109	6	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
6	30	110	6	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
6	30	111	6	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
6	30	112	6	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
7	20	98	7	1	BV_N	0	0	75070	Acetaldehyde	1	1.75E-03	5.85E-07	1
7	20	99	7	2	BV_N	0	0	107028	Acrolein	1	8.15E-04	2.72E-07	1
7	20	100	7	3	BV_N	0	0	71432	Benzene	1	1.77E-02	5.91E-06	1
7	20	101	7	4	BV_N	0	0	106990	1-3,Butadiene	1	3.45E-03	1.15E-06	1
7	20	102	7	5	BV_N	0	0	100414	Ethylbenzene	1	7.32E-03	2.44E-06	1
7	20	103	7	6	BV_N	0	0	50000	Formaldehyde	1	9.90E-03	3.30E-06	1
7	20	104	7	7	BV_N	0	0	110543	Hexane	1	1.97E-02	6.56E-06	1
7	20	105	7	8	BV_N	0	0	67561	Methanol	1	7.52E-04	2.51E-07	1
7	20	106	7	9	BV_N	0	0	78933	Methyl Ethyl Ketone	1	1.25E-04	4.18E-08	1
7	20	107	7	10	BV_N	0	0	91203	Naphthalene	1	3.13E-04	1.04E-07	1
7	20	108	7	11	BV_N	0	0	115071	Propylene	1	1.92E-02	6.39E-06	1
7	20	109	7	12	BV_N	0	0	100425	Styrene	1	7.52E-04	2.51E-07	1
7	20	110	7	13	BV_N	0	0	108883	Toluene	1	4.68E-02	1.56E-05	1
7	20	111	7	14	BV_N	0	0	1330207	Xylenes	1	3.37E-02	1.12E-05	1
7	20	112	7	15	BV_N	0	0	9901	Diesel	1	4.85E-01	1.62E-04	1
8	22	98	8	1	BV_S	0	0	75070	Acetaldehyde	1	1.73E-03	5.76E-07	1
8	22	99	8	2	BV_S	0	0	107028	Acrolein	1	8.03E-04	2.68E-07	1
8	22	100	8	3	BV_S	0	0	71432	Benzene	1	1.75E-02	5.82E-06	1
8	22	101	8	4	BV_S	0	0	106990	1-3,Butadiene	1	3.40E-03	1.13E-06	1
8	22	102	8	5	BV_S	0	0	100414	Ethylbenzene	1	7.21E-03	2.40E-06	1
8	22	103	8	6	BV_S	0	0	50000	Formaldehyde	1	9.76E-03	3.25E-06	1
8	22	104	8	7	BV_S	0	0	110543	Hexane	1	1.94E-02	6.46E-06	1
8	22	105	8	8	BV_S	0	0	67561	Methanol	1	7.41E-04	2.47E-07	1
8	22	106	8	9	BV_S	0	0	78933	Methyl Ethyl Ketone	1	1.23E-04	4.12E-08	1
8	22	107	8	10	BV_S	0	0	91203	Naphthalene	1	3.09E-04	1.03E-07	1
8	22	108	8	11	BV_S	0	0	115071	Propylene	1	1.89E-02	6.30E-06	1
8	22	109	8	12	BV_S	0	0	100425	Styrene	1	7.41E-04	2.47E-07	1
8	22	110	8	13	BV_S	0	0	108883	Toluene	1	4.61E-02	1.54E-05	1
8	22	111	8	14	BV_S	0	0	1330207	Xylenes	1	3.32E-02	1.11E-05	1
8	22	112	8	15	BV_S	0	0	9901	Diesel	1	4.77E-01	1.59E-04	1
9	8	98	9	1	MISS_1	0	0	75070	Acetaldehyde	1	1.03E-05	3.45E-09	1
9	8	99	9	2	MISS_1	0	0	107028	Acrolein	1	4.80E-06	1.60E-09	1
9	8	100	9	3	MISS_1	0	0	71432	Benzene	1	1.05E-04	3.48E-08	1
9	8	101	9	4	MISS_1	0	0	106990	1-3,Butadiene	1	2.03E-05	6.77E-09	1
9	8	102	9	5	MISS_1	0	0	100414	Ethylbenzene	1	4.31E-05	1.44E-08	1
9	8	103	9	6	MISS_1	0	0	50000	Formaldehyde	1	5.84E-05	1.95E-08	1
9	8	104	9	7	MISS_1	0	0	110543	Hexane	1	1.16E-04	3.87E-08	1
9	8	105	9	8	MISS_1	0	0	67561	Methanol	1	4.43E-06	1.48E-09	1
9	8	106	9	9	MISS_1	0	0	78933	Methyl Ethyl Ketone	1	7.39E-07	2.46E-10	1
9	8	107	9	10	MISS_1	0	0	91203	Naphthalene	1	1.85E-06	6.16E-10	1
9	8	108	9	11	MISS_1	0	0	115071	Propylene	1	1.13E-04	3.77E-08	1
9	8	109	9	12	MISS_1	0	0	100425	Styrene	1	4.43E-06	1.48E-09	1
9	8	110	9	13	MISS_1	0	0	108883	Toluene	1	2.76E-04	9.18E-08	1
9	8	111	9	14	MISS_1	0	0	1330207	Xylenes	1	1.99E-04	6.62E-08	1
9	8	112	9	15	MISS_1	0	0	9901	Diesel	1	2.86E-03	9.52E-07	1
10	8	98	10	1	MISS_2	0	0	75070	Acetaldehyde	1	1.03E-05	3.45E-09	1
10	8	99	10	2	MISS_2	0	0	107028	Acrolein	1	4.80E-06	1.60E-09	1
10	8	100	10	3	MISS_2	0	0	71432	Benzene	1	1.05E-04	3.48E-08	1
10	8	101	10	4	MISS_2	0	0	106990	1-3,Butadiene	1	2.03E-05	6.77E-09	1
10	8	102	10	5	MISS_2	0	0	100414	Ethylbenzene	1	4.31E-05	1.44E-08	1
10	8	103	10	6	MISS_2	0	0	50000	Formaldehyde	1	5.84E-05	1.95E-08	1
10	8	104	10	7	MISS_2	0	0	110543	Hexane	1	1.16E-04	3.87E-08	1
10	8	105	10	8	MISS_2	0	0	67561	Methanol	1	4.43E-06	1.48E-09	1
10	8	106	10	9	MISS_2	0	0	78933	Methyl Ethyl Ketone	1	7.39E-07	2.46E-10	1
10	8	107	10	10	MISS_2	0	0	91203	Naphthalene	1	1.85E-06	6.16E-10	1
10	8	108	10	11	MISS_2	0	0	115071	Propylene	1	1.13E-04	3.77E-08	1

10	8	109	10	12	MISS_2	0	0	100425	Styrene	1	4.43E-06	1.48E-09	1
10	8	110	10	13	MISS_2	0	0	108883	Toluene	1	2.76E-04	9.18E-08	1
10	8	111	10	14	MISS_2	0	0	1330207	Xylenes	1	1.99E-04	6.62E-08	1
10	8	112	10	15	MISS_2	0	0	9901	Diesel	1	2.86E-03	9.52E-07	1
11	30	98	11	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
11	30	99	11	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
11	30	100	11	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
11	30	101	11	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
11	30	102	11	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
11	30	103	11	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
11	30	104	11	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
11	30	105	11	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
11	30	106	11	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
11	30	107	11	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
11	30	108	11	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
11	30	109	11	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
11	30	110	11	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
11	30	111	11	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
11	30	112	11	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
12	30	98	12	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
12	30	99	12	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
12	30	100	12	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
12	30	101	12	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
12	30	102	12	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
12	30	103	12	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
12	30	104	12	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
12	30	105	12	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
12	30	106	12	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
12	30	107	12	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
12	30	108	12	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
12	30	109	12	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
12	30	110	12	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
12	30	111	12	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
12	30	112	12	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	8	98	13	1	Idle11	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	99	13	2	Idle11	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	8	100	13	3	Idle11	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	8	101	13	4	Idle11	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	8	102	13	5	Idle11	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	8	103	13	6	Idle11	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	104	13	7	Idle11	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	8	105	13	8	Idle11	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	8	106	13	9	Idle11	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	8	107	13	10	Idle11	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	8	108	13	11	Idle11	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	8	109	13	12	Idle11	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	8	110	13	13	Idle11	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	8	111	13	14	Idle11	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	8	37	13	15	Idle11	0	0	9901	Diesel	1	1.44E-01	0.00E+00	1
Idle	8	98	14	1	Idle12	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	99	14	2	Idle12	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	8	100	14	3	Idle12	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	8	101	14	4	Idle12	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	8	102	14	5	Idle12	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	8	103	14	6	Idle12	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	104	14	7	Idle12	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	8	105	14	8	Idle12	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	8	106	14	9	Idle12	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	8	107	14	10	Idle12	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	8	108	14	11	Idle12	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	8	109	14	12	Idle12	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	8	110	14	13	Idle12	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	8	111	14	14	Idle12	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	8	37	14	15	Idle12	0	0	9901	Diesel	1	1.44E-01	0.00E+00	1
Idle	8	98	15	1	Idle13	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	99	15	2	Idle13	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	8	100	15	3	Idle13	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	8	101	15	4	Idle13	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	8	102	15	5	Idle13	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	8	103	15	6	Idle13	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	104	15	7	Idle13	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	8	105	15	8	Idle13	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	8	106	15	9	Idle13	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	8	107	15	10	Idle13	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	8	108	15	11	Idle13	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	8	109	15	12	Idle13	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	8	110	15	13	Idle13	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	8	111	15	14	Idle13	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	8	37	15	15	Idle13	0	0	9901	Diesel	1	1.44E-01	0.00E+00	1
Idle	30	98	16	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	99	16	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	30	100	16	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	30	101	16	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	30	102	16	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	30	103	16	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	104	16	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	30	105	16	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	30	106	16	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	30	107	16	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	30	108	16	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	30	109	16	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	30	110	16	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	30	111	16	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	30	37	16	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	30	98	17	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	99	17	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	30	100	17	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	30	101	17	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	30	102	17	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	30	103	17	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	104	17	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	30	105	17	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	30	106	17	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	30	107	17	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	30	108	17	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	30	109	17	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	30	110	17	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	30	111	17	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	30	37	17	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	30	98	18	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	99	18	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	30	100	18	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	30	101	18	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	30	102	18	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	30	103	18	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	104	18	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	30	105	18	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	30	106	18	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	30	107	18	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	30	108	18	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	30	109	18	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	30	110	18	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	30	111	18	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	30	37	18	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	30	98	19	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	30	99	19	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	30	100	19	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	30	101	19	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	30	102	19	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	30	103	19	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	30	104	19	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	30	105	19	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	30	106	19	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	30	107	19	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	30	108	19	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	30	109	19	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	30	110	19	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	30	111	19	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	30	112	19	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	30	98	20	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	30	99	20	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	30	100	20	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	30	101	20	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	30	102	20	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	30	103	20	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	30	104	20	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	30	105	20	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1

30	106	20	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	20	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	20	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	20	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	20	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	20	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	20	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	21	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	21	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	21	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	21	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	21	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	21	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	21	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	21	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	21	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	21	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	21	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	21	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	21	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	21	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	21	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	22	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	22	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	22	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	22	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	22	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	22	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	22	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	22	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	22	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	22	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	22	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	22	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	22	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	22	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	22	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	23	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	23	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	23	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	23	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	23	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	23	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	23	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	23	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	23	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	23	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	23	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	23	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	23	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	23	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	23	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	24	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	24	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	24	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	24	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	24	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	24	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	24	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	24	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	24	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	24	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	24	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	24	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	24	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	24	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	24	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	25	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	25	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	25	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	25	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	25	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	25	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	25	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	25	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	25	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	25	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	25	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	25	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	25	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	25	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	25	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	26	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	26	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	26	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	26	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	26	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	26	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	26	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	26	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	26	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	26	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	26	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	26	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	26	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	26	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	26	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	27	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	27	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	27	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	27	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	27	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	27	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	27	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	27	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	27	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	27	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	27	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	27	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	27	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	27	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	27	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	28	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	28	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	28	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	28	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	28	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	28	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	28	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	28	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	28	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	28	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	28	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	28	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	28	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	28	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	28	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	29	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	29	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	29	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	29	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	29	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	29	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	29	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	29	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	29	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	29	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	29	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	29	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	29	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	29	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	29	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	30	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	30	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	30	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	30	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	30	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1

30	103	30	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	30	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	30	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	30	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	30	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	30	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	30	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	30	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	30	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	30	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	31	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	31	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	31	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	31	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	31	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	31	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	31	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	31	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	31	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	31	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	31	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	31	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	31	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	31	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	31	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	32	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	32	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	32	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	32	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	32	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	32	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	32	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	32	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	32	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	32	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	32	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	32	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	32	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	32	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	32	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	33	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	33	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	33	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	33	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	33	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	33	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	33	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	33	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	33	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	33	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	33	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	33	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	33	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	33	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	33	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	34	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	34	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	34	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	34	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	34	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	34	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	34	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	34	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	34	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	34	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	34	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	34	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	34	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	34	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	34	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	35	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	35	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	35	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	35	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	35	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	35	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	35	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	35	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	35	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	35	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	35	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	35	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	35	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	35	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	35	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1

B1

Daily Trips
329

	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	55.3%	15.5%	4.9%	18.7%	94%
# Daily Vehicles	181.94	51.00	16.12	61.52	310.576
# Annual Vehicles	66,407	18,613	5,884	22,456	113,360

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	18,613	39.6%	2.49E-05
3-Axle Trks	5,884	12.5%	2.86E-05
4-Axle Trks	22,456	47.8%	6.83E-05
Total	46,953	100%	---

DPM Lbs/ Yr	BLD1_A1	BLD1_T1	ONTARIO				Total
Distance (m)	123.2	148.3	224.7				496.2
Miles	0.08	0.09	0.14	0.00	0.00	0.00	0.31
2-Axle Trks	1.91E-06	2.29E-06	3.48E-06	0.00E+00	0.00E+00	0.00E+00	4.20E-06
3-Axle Trks	2.19E-06	2.63E-06	3.99E-06	0.00E+00	0.00E+00	0.00E+00	4.82E-06
4-Axle Trks	5.23E-06	6.30E-06	9.54E-06	0.00E+00	0.00E+00	0.00E+00	1.15E-05
Total	9.33E-06	1.12E-05	1.70E-05	0.00E+00	0.00E+00	0.00E+00	2.06E-05

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	18,613	39.6%	6.39E-05
3-Axle Trks	5,884	12.5%	2.55E-05
4-Axle Trks	22,456	47.8%	7.00E-05
Total	46,953	100%	---

DPM Lbs/ Yr	BV_N	BV_S	MISS_1	MISS_2			Total
Gas Only	N	N	N	N	N	N	
Distance (m)	1315.7	1305.9	812.9	831.9	0	0	4266.4
Miles	0.82	0.81	0.51	0.52	0.00	0.00	2.65
2-Axle Trks	5.22E-05	5.18E-05	3.23E-05	3.30E-05	0.00E+00	0.00E+00	1.69E-04
3-Axle Trks	2.08E-05	2.07E-05	1.29E-05	1.32E-05	0.00E+00	0.00E+00	6.76E-05
4-Axle Trks	5.72E-05	5.68E-05	3.54E-05	3.62E-05	0.00E+00	0.00E+00	1.86E-04
Total	1.30E-04	1.29E-04	8.05E-05	8.24E-05	0.00E+00	0.00E+00	4.23E-04

Truck Idle

# of Idling Pts	10

Truck Idling						Idle							Total
Category	# of Trucks / Yr	Idle EF (lbs / Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	10	0	0	0	0	0	0	10
2-Axle Trks	18,613	6.09E-05	0.25	2.83E-01	2.83E-02	2.83E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-01
3-Axle Trks	5,884	5.55E-05	0.25	8.17E-02	8.17E-03	8.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-02
4-Axle Trks	22,456	8.80E-05	0.25	4.94E-01	4.94E-02	4.94E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-01
Total	46,953	--	--	8.59E-01	8.59E-02	8.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-01

TRUs

Percent of Trucks	0		# of Units	1

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.50	4.19E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	66,407	68%	32.14%
# Vehicles		45,061	21,346

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	3.21E-05	5.26E-04
LDT	7.55E-05	9.27E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	4.05E-03	4.51E-03
107028	Acrolein	1.30E-03	1.88E-03	2.09E-03
71432	Benzene	2.47E-02	3.57E-02	3.98E-02
106990	1,3-Butadiene	5.50E-03	7.95E-03	8.86E-03
100414	Ethylbenzene	1.05E-02	1.52E-02	1.69E-02
50000	Formaldehyde	1.58E-02	2.28E-02	2.55E-02
110543	Hexane	1.60E-02	2.31E-02	2.58E-02
67561	Methanol	1.20E-03	1.73E-03	1.93E-03
78933	Methyl Ethyl Ketone	2.00E-04	2.89E-04	3.22E-04
91203	Naphthalene	5.00E-04	7.23E-04	8.06E-04
115071	Propylene	3.06E-02	4.42E-02	4.93E-02
100425	Styrene	1.20E-03	1.73E-03	1.93E-03
108883	Toluene	5.76E-02	8.32E-02	9.28E-02
1330207	Xylenes	4.80E-02	6.94E-02	7.73E-02
9901	Diesel	1.61E-02	1.60E+00	7.59E-01

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	5.20E-03	5.80E-03
100414	Ethylbenzene	1.180E-03	1.71E-03	1.90E-03
110543	Hexane	1.540E-02	2.23E-02	2.48E-02
108883	Toluene	1.700E-02	2.46E-02	2.74E-02
1330207	Xylenes	5.780E-03	8.35E-03	9.31E-03

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	BLD1_A1		BLD1_T1		ONTARIO		0		0		0		BV_N		BV_S		MISS_1		MISS_2		0		0			
				Cars	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					2.59%		3.11%		4.72%		0.00%		0.00%		0.00%		27.63%		27.42%		17.07%		17.47%		0.00%		0.00%		100.00%	4762.6
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	2.85E-06	8.56E-03		5.65004E-09	1.695E-05	8.19E-09	2.46E-05	1.88E-08	5.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-07	1.93E-03	6.35E-07	1.90E-03	2.46E-07	7.38E-04	2.58E-07	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-06	5.45E-03
107028	Acrolein	1.32E-06	3.97E-03		2.62323E-09	7.8697E-06	3.80E-09	1.14E-05	8.73E-09	2.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-07	8.98E-04	2.95E-07	8.84E-04	1.14E-07	3.43E-04	1.20E-07	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-07	2.53E-03
71432	Benzene	2.88E-05	8.65E-02		5.71058E-08	0.00017132	8.27E-08	2.48E-04	1.90E-07	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-06	1.95E-02	6.42E-06	1.92E-02	2.49E-06	7.46E-03	2.60E-06	7.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-05	5.50E-02
106990	1,3-Butadiene	5.60E-06	1.68E-02		1.10983E-08	3.3295E-05	1.61E-08	4.82E-05	3.69E-08	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	3.80E-03	1.25E-06	3.74E-03	4.83E-07	1.45E-03	5.06E-07	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-06	1.07E-02
100414	Ethylbenzene	1.19E-05	3.57E-02		2.35688E-08	7.0706E-05	3.42E-08	1.02E-04	7.84E-08	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-06	8.06E-03	2.65E-06	7.94E-03	1.03E-06	3.08E-03	1.07E-06	3.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-06	2.27E-02
50000	Formaldehyde	1.61E-05	4.83E-02		3.18824E-08	9.5647E-05	4.62E-08	1.39E-04	1.06E-07	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-06	1.09E-02	3.58E-06	1.07E-02	1.39E-06	4.16E-03	1.45E-06	4.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	3.07E-02
110543	Hexane	3.20E-05	9.60E-02		6.33612E-08	0.00019008	9.18E-08	2.75E-04	2.11E-07	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-06	2.17E-02	7.12E-06	2.14E-02	2.76E-06	8.28E-03	2.89E-06	8.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	6.11E-02
67561	Methanol	1.22E-06	3.67E-03		2.42145E-09	7.2643E-06	3.51E-09	1.05E-05	8.05E-09	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	8.28E-04	2.72E-07	8.16E-04	1.05E-07	3.16E-04	1.10E-07	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-07	2.33E-03
78933	Methyl Ethyl Ketone	2.04E-07	6.11E-04		4.03575E-10	1.2107E-06	5.85E-10	1.75E-06	1.34E-09	4.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-08	1.38E-04	4.53E-08	1.36E-04	1.76E-08	5.27E-05	1.84E-08	5.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-07	3.89E-04
91203	Naphthalene	5.09E-07	1.53E-03		1.00894E-09	3.0268E-06	1.46E-09	4.39E-06	3.36E-09	1.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-07	3.45E-04	1.13E-07	3.40E-04	4.39E-08	1.32E-04	4.60E-08	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-07	9.73E-04
115071	Propylene	3.12E-05	9.35E-02		6.17469E-08	0.00018524	8.95E-08	2.68E-04	2.05E-07	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-06	2.11E-02	6.94E-06	2.08E-02	2.69E-06	8.06E-03	2.82E-06	8.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	5.95E-02
100425	Styrene	1.22E-06	3.67E-03		2.42145E-09	7.2643E-06	3.51E-09	1.05E-05	8.05E-09	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	8.28E-04	2.72E-07	8.16E-04	1.05E-07	3.16E-04	1.10E-07	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-07	2.33E-03
108883	Toluene	7.60E-05	2.28E-01		1.50533E-07	0.0004516	2.18E-07	6.54E-04	5.01E-07	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-05	5.15E-02	1.69E-05	5.07E-02	6.55E-06	1.97E-02	6.86E-06	2.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	1.45E-01
1330207	Xylenes	5.48E-05	1.64E-01		1.08521E-07	0.00032556	1.57E-07	4.72E-04	3.61E-07	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	3.71E-02	1.22E-05	3.66E-02	4.72E-06	1.42E-02	4.95E-06	1.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-05	1.05E-01
9901	Diesel	7.88E-04	2.36E+00		1.56E-06	4.69E-03	2.26E-06	6.79E-03	5.19E-06	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	5.34E-01	1.75E-04	5.26E-01	6.79E-05	2.04E-01	7.11E-05	2.13E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-04	1.50E+00

	Model Source		Source Col	Dat Col		Col	Row	CAS#	Chemical Name	Pol Count	Source Count
1	BLD1_A1		1	8	1	8	98	75070	Acetaldehyde	15	18
2	BLD1_T1		2	10	2	10	99	107028	Acrolein		
3	ONTARIO		3	12	3	12	100	71432	Benzene		
4		0	4	14	4	14	101	106990	1-3,Butadiene		
5		0	5	16	5	16	102	100414	Ethylbenzene		
6		0	6	18	6	18	103	50000	Formaldehyde		
7	BV_N		7	20	7	20	104	110543	Hexane		
8	BV_S		8	22	8	22	105	67561	Methanol		
9	MISS_1		9	24	9	24	106	78933	Methyl Ethyl Ketone		
10	MISS_2		10	26	10	26	107	91203	Naphthalene		
11		0	11	28	11	28	108	115071	Propylene		
12		0	12	30	12	30	109	100425	Styrene		
13	Idle		Idle1	8		8	110	108883	Toluene		
14		0	Idle1	8		8	111	1330207	Xylenes		
15		0	Idle1	8		8	112	9901	Diesel		
16		0	Idle1	8		8					
17		0	Idle1	8		8	37		Idle		
18		0	Idle1	8		8					
19											
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1	8	98	1	1	BLD1_A1	0	0	75070	Acetaldehyde	1	1.70E-05	5.65E-09	1
1	8	99	1	2	BLD1_A1	0	0	107028	Acrolein	1	7.87E-06	2.62E-09	1
1	8	100	1	3	BLD1_A1	0	0	71432	Benzene	1	1.71E-04	5.71E-08	1
1	8	101	1	4	BLD1_A1	0	0	106990	1-3,Butadiene	1	3.33E-05	1.11E-08	1
1	8	102	1	5	BLD1_A1	0	0	100414	Ethylbenzene	1	7.07E-05	2.36E-08	1
1	8	103	1	6	BLD1_A1	0	0	50000	Formaldehyde	1	9.56E-05	3.19E-08	1
1	8	104	1	7	BLD1_A1	0	0	110543	Hexane	1	1.90E-04	6.34E-08	1
1	8	105	1	8	BLD1_A1	0	0	67561	Methanol	1	7.26E-06	2.42E-09	1
1	8	106	1	9	BLD1_A1	0	0	78933	Methyl Ethyl Ketone	1	1.21E-06	4.04E-10	1
1	8	107	1	10	BLD1_A1	0	0	91203	Naphthalene	1	3.03E-06	1.01E-09	1
1	8	108	1	11	BLD1_A1	0	0	115071	Propylene	1	1.85E-04	6.17E-08	1
1	8	109	1	12	BLD1_A1	0	0	100425	Styrene	1	7.26E-06	2.42E-09	1
1	8	110	1	13	BLD1_A1	0	0	108883	Toluene	1	4.52E-04	1.51E-07	1
1	8	111	1	14	BLD1_A1	0	0	1330207	Xylenes	1	3.26E-04	1.09E-07	1
1	8	112	1	15	BLD1_A1	0	0	9901	Diesel	1	4.69E-03	1.56E-06	1
2	10	98	2	1	BLD1_T1	0	0	75070	Acetaldehyde	1	2.46E-05	8.19E-09	1
2	10	99	2	2	BLD1_T1	0	0	107028	Acrolein	1	1.14E-05	3.80E-09	1
2	10	100	2	3	BLD1_T1	0	0	71432	Benzene	1	2.48E-04	8.27E-08	1
2	10	101	2	4	BLD1_T1	0	0	106990	1-3,Butadiene	1	4.82E-05	1.61E-08	1
2	10	102	2	5	BLD1_T1	0	0	100414	Ethylbenzene	1	1.02E-04	3.42E-08	1
2	10	103	2	6	BLD1_T1	0	0	50000	Formaldehyde	1	1.39E-04	4.62E-08	1
2	10	104	2	7	BLD1_T1	0	0	110543	Hexane	1	2.75E-04	9.18E-08	1
2	10	105	2	8	BLD1_T1	0	0	67561	Methanol	1	1.05E-05	3.51E-09	1
2	10	106	2	9	BLD1_T1	0	0	78933	Methyl Ethyl Ketone	1	1.75E-06	5.85E-10	1
2	10	107	2	10	BLD1_T1	0	0	91203	Naphthalene	1	4.39E-06	1.46E-09	1
2	10	108	2	11	BLD1_T1	0	0	115071	Propylene	1	2.68E-04	8.95E-08	1
2	10	109	2	12	BLD1_T1	0	0	100425	Styrene	1	1.05E-05	3.51E-09	1
2	10	110	2	13	BLD1_T1	0	0	108883	Toluene	1	6.54E-04	2.18E-07	1
2	10	111	2	14	BLD1_T1	0	0	1330207	Xylenes	1	4.72E-04	1.57E-07	1
2	10	112	2	15	BLD1_T1	0	0	9901	Diesel	1	6.79E-03	2.26E-06	1
3	8	98	3	1	ONTARIO	0	0	75070	Acetaldehyde	1	1.70E-05	5.65E-09	1
3	8	99	3	2	ONTARIO	0	0	107028	Acrolein	1	7.87E-06	2.62E-09	1
3	8	100	3	3	ONTARIO	0	0	71432	Benzene	1	1.71E-04	5.71E-08	1
3	8	101	3	4	ONTARIO	0	0	106990	1-3,Butadiene	1	3.33E-05	1.11E-08	1
3	8	102	3	5	ONTARIO	0	0	100414	Ethylbenzene	1	7.07E-05	2.36E-08	1
3	8	103	3	6	ONTARIO	0	0	50000	Formaldehyde	1	9.56E-05	3.19E-08	1
3	8	104	3	7	ONTARIO	0	0	110543	Hexane	1	1.90E-04	6.34E-08	1
3	8	105	3	8	ONTARIO	0	0	67561	Methanol	1	7.26E-06	2.42E-09	1
3	8	106	3	9	ONTARIO	0	0	78933	Methyl Ethyl Ketone	1	1.21E-06	4.04E-10	1
3	8	107	3	10	ONTARIO	0	0	91203	Naphthalene	1	3.03E-06	1.01E-09	1
3	8	108	3	11	ONTARIO	0	0	115071	Propylene	1	1.85E-04	6.17E-08	1
3	8	109	3	12	ONTARIO	0	0	100425	Styrene	1	7.26E-06	2.42E-09	1
3	8	110	3	13	ONTARIO	0	0	108883	Toluene	1	4.52E-04	1.51E-07	1
3	8	111	3	14	ONTARIO	0	0	1330207	Xylenes	1	3.26E-04	1.09E-07	1
3	8	112	3	15	ONTARIO	0	0	9901	Diesel	1	4.69E-03	1.56E-06	1
4	30	98	4	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
4	30	99	4	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
4	30	100	4	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
4	30	101	4	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
4	30	102	4	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
4	30	103	4	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
4	30	104	4	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
4	30	105	4	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
4	30	106	4	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
4	30	107	4	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
4	30	108	4	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
4	30	109	4	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
4	30	110	4	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
4	30	111	4	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
4	30	112	4	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
5	30	98	5	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
5	30	99	5	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
5	30	100	5	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
5	30	101	5	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
5	30	102	5	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
5	30	103	5	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
5	30	104	5	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
5	30	105	5	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
5	30	106	5	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
5	30	107	5	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
5	30	108	5	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
5	30	109	5	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
5	30	110	5	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
5	30	111	5	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
5	30	112	5	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
6	30	98	6	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
6	30	99	6	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
6	30	100	6	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
6	30	101	6	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
6	30	102	6	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
6	30	103	6	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
6	30	104	6	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
6	30	105	6	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
6	30	106	6	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
6	30	107	6	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
6	30	108	6	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
6	30	109	6	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
6	30	110	6	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
6	30	111	6	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
6	30	112	6	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
7	20	98	7	1	BV_N	0	0	75070	Acetaldehyde	1	1.93E-03	6.44E-07	1
7	20	99	7	2	BV_N	0	0	107028	Acrolein	1	8.98E-04	2.99E-07	1
7	20	100	7	3	BV_N	0	0	71432	Benzene	1	1.95E-02	6.51E-06	1
7	20	101	7	4	BV_N	0	0	106990	1-3,Butadiene	1	3.80E-03	1.27E-06	1
7	20	102	7	5	BV_N	0	0	100414	Ethylbenzene	1	8.06E-03	2.69E-06	1
7	20	103	7	6	BV_N	0	0	50000	Formaldehyde	1	1.09E-02	3.64E-06	1
7	20	104	7	7	BV_N	0	0	110543	Hexane	1	2.17E-02	7.23E-06	1
7	20	105	7	8	BV_N	0	0	67561	Methanol	1	8.28E-04	2.76E-07	1
7	20	106	7	9	BV_N	0	0	78933	Methyl Ethyl Ketone	1	1.38E-04	4.60E-08	1
7	20	107	7	10	BV_N	0	0	91203	Naphthalene	1	3.45E-04	1.15E-07	1
7	20	108	7	11	BV_N	0	0	115071	Propylene	1	2.11E-02	7.04E-06	1
7	20	109	7	12	BV_N	0	0	100425	Styrene	1	8.28E-04	2.76E-07	1
7	20	110	7	13	BV_N	0	0	108883	Toluene	1	5.15E-02	1.72E-05	1
7	20	111	7	14	BV_N	0	0	1330207	Xylenes	1	3.71E-02	1.24E-05	1
7	20	112	7	15	BV_N	0	0	9901	Diesel	1	5.34E-01	1.78E-04	1
8	22	98	8	1	BV_S	0	0	75070	Acetaldehyde	1	1.90E-03	6.35E-07	1
8	22	99	8	2	BV_S	0	0	107028	Acrolein	1	8.84E-04	2.95E-07	1
8	22	100	8	3	BV_S	0	0	71432	Benzene	1	1.92E-02	6.42E-06	1
8	22	101	8	4	BV_S	0	0	106990	1-3,Butadiene	1	3.74E-03	1.25E-06	1
8	22	102	8	5	BV_S	0	0	100414	Ethylbenzene	1	7.94E-03	2.65E-06	1
8	22	103	8	6	BV_S	0	0	50000	Formaldehyde	1	1.07E-02	3.58E-06	1
8	22	104	8	7	BV_S	0	0	110543	Hexane	1	2.14E-02	7.12E-06	1
8	22	105	8	8	BV_S	0	0	67561	Methanol	1	8.16E-04	2.72E-07	1
8	22	106	8	9	BV_S	0	0	78933	Methyl Ethyl Ketone	1	1.36E-04	4.53E-08	1
8	22	107	8	10	BV_S	0	0	91203	Naphthalene	1	3.40E-04	1.13E-07	1
8	22	108	8	11	BV_S	0	0	115071	Propylene	1	2.08E-02	6.94E-06	1
8	22	109	8	12	BV_S	0	0	100425	Styrene	1	8.16E-04	2.72E-07	1
8	22	110	8	13	BV_S	0	0	108883	Toluene	1	5.07E-02	1.69E-05	1
8	22	111	8	14	BV_S	0	0	1330207	Xylenes	1	3.66E-02	1.22E-05	1
8	22	112	8	15	BV_S	0	0	9901	Diesel	1	5.26E-01	1.75E-04	1
9	8	98	9	1	MISS_1	0	0	75070	Acetaldehyde	1	1.70E-05	5.65E-09	1
9	8	99	9	2	MISS_1	0	0	107028	Acrolein	1	7.87E-06	2.62E-09	1
9	8	100	9	3	MISS_1	0	0	71432	Benzene	1	1.71E-04	5.71E-08	1
9	8	101	9	4	MISS_1	0	0	106990	1-3,Butadiene	1	3.33E-05	1.11E-08	1
9	8	102	9	5	MISS_1	0	0	100414	Ethylbenzene	1	7.07E-05	2.36E-08	1
9	8	103	9	6	MISS_1	0	0	50000	Formaldehyde	1	9.56E-05	3.19E-08	1
9	8	104	9	7	MISS_1	0	0	110543	Hexane	1	1.90E-04	6.34E-08	1
9	8	105	9	8	MISS_1	0	0	67561	Methanol	1	7.26E-06	2.42E-09	1
9	8	106	9	9	MISS_1	0	0	78933	Methyl Ethyl Ketone	1	1.21E-06	4.04E-10	1
9	8	107	9	10	MISS_1	0	0	91203	Naphthalene	1	3.03E-06	1.01E-09	1
9	8	108	9	11	MISS_1	0	0	115071	Propylene	1	1.85E-04	6.17E-08	1
9	8	109	9	12	MISS_1	0	0	100425	Styrene	1	7.26E-06	2.42E-09	1
9	8	110	9	13	MISS_1	0	0	108883	Toluene	1	4.52E-04	1.51E-07	1
9	8	111	9	14	MISS_1	0	0	1330207	Xylenes	1	3.26E-04	1.09E-07	1
9	8	112	9	15	MISS_1	0	0	9901	Diesel	1	4.69E-03	1.56E-06	1
10	8	98	10	1	MISS_2	0	0	75070	Acetaldehyde	1	1.70E-05	5.65E-09	1
10	8	99	10	2	MISS_2	0	0	107028	Acrolein	1	7.87E-06	2.62E-09	1
10	8	100	10	3	MISS_2	0	0	71432	Benzene	1	1.71E-04	5.71E-08	1
10	8	101	10	4	MISS_2	0	0	106990	1-3,Butadiene	1	3.33E-05	1.11E-08	1
10	8	102	10	5	MISS_2	0	0	100414	Ethylbenzene	1	7.07E-05	2.36E-08	1
10	8	103	10	6	MISS_2	0	0	50000	Formaldehyde	1	9.56E-05	3.19E-08	1
10	8	104	10	7	MISS_2	0	0	110543	Hexane	1	1.90E-04	6.34E-08	1
10	8	105	10	8	MISS_2	0	0	67561	Methanol	1	7.26E-06	2.42E-09	1
10	8	106	10	9	MISS_2	0	0	78933	Methyl Ethyl Ketone	1	1.21E-06	4.04E-10	1
10	8	107	10	10	MISS_2	0	0	91203	Naphthalene	1	3.03E-06	1.01E-09	1
10	8	108	10	11	MISS_2	0	0	115071	Propylene	1	1.85E-04	6.17E-08	1

10	8	109	10	12	MISS_2	0	0	100425	Styrene	1	7.26E-06	2.42E-09	1
10	8	110	10	13	MISS_2	0	0	108883	Toluene	1	4.52E-04	1.51E-07	1
10	8	111	10	14	MISS_2	0	0	1330207	Xylenes	1	3.26E-04	1.09E-07	1
10	8	112	10	15	MISS_2	0	0	9901	Diesel	1	4.69E-03	1.56E-06	1
11	30	98	11	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
11	30	99	11	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
11	30	100	11	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
11	30	101	11	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
11	30	102	11	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
11	30	103	11	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
11	30	104	11	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
11	30	105	11	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
11	30	106	11	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
11	30	107	11	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
11	30	108	11	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
11	30	109	11	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
11	30	110	11	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
11	30	111	11	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
11	30	112	11	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
12	30	98	12	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
12	30	99	12	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
12	30	100	12	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
12	30	101	12	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
12	30	102	12	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
12	30	103	12	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
12	30	104	12	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
12	30	105	12	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
12	30	106	12	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
12	30	107	12	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
12	30	108	12	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
12	30	109	12	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
12	30	110	12	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
12	30	111	12	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
12	30	112	12	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	8	98	13	1	Idle	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	99	13	2	Idle	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	8	100	13	3	Idle	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	8	101	13	4	Idle	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	8	102	13	5	Idle	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	8	103	13	6	Idle	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	8	104	13	7	Idle	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	8	105	13	8	Idle	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	8	106	13	9	Idle	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	8	107	13	10	Idle	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	8	108	13	11	Idle	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	8	109	13	12	Idle	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	8	110	13	13	Idle	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	8	111	13	14	Idle	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	8	37	13	15	Idle	0	0	9901	Diesel	1	8.59E-02	0.00E+00	1
Idle	30	98	14	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	99	14	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	30	100	14	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	30	101	14	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	30	102	14	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	30	103	14	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	104	14	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	30	105	14	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	30	106	14	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	30	107	14	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	30	108	14	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	30	109	14	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	30	110	14	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	30	111	14	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	30	37	14	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	30	98	15	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	99	15	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	30	100	15	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	30	101	15	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	30	102	15	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	30	103	15	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	104	15	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	30	105	15	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	30	106	15	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	30	107	15	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	30	108	15	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	30	109	15	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	30	110	15	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	30	111	15	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	30	37	15	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	30	98	16	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	99	16	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	30	100	16	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	30	101	16	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	30	102	16	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	30	103	16	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	104	16	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	30	105	16	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	30	106	16	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	30	107	16	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	30	108	16	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	30	109	16	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	30	110	16	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	30	111	16	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	30	37	16	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	30	98	17	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	99	17	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	30	100	17	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	30	101	17	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	30	102	17	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	30	103	17	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	104	17	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	30	105	17	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	30	106	17	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	30	107	17	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	30	108	17	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	30	109	17	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	30	110	17	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	30	111	17	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	30	37	17	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
Idle	30	98	18	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	99	18	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
Idle	30	100	18	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
Idle	30	101	18	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
Idle	30	102	18	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
Idle	30	103	18	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
Idle	30	104	18	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
Idle	30	105	18	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
Idle	30	106	18	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
Idle	30	107	18	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
Idle	30	108	18	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
Idle	30	109	18	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
Idle	30	110	18	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
Idle	30	111	18	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
Idle	30	37	18	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	30	98	19	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	30	99	19	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	30	100	19	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	30	101	19	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	30	102	19	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	30	103	19	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	30	104	19	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	30	105	19	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
	30	106	19	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
	30	107	19	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
	30	108	19	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
	30	109	19	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
	30	110	19	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
	30	111	19	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
	30	112	19	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
	30	98	20	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
	30	99	20	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
	30	100	20	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
	30	101	20	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
	30	102	20	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
	30	103	20	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
	30	104	20	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
	30	105	20	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1

30	106	20	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	20	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	20	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	20	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	20	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	20	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	20	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	21	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	21	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	21	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	21	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	21	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	21	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	21	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	21	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	21	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	21	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	21	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	21	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	21	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	21	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	21	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	22	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	22	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	22	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	22	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	22	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	22	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	22	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	22	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	22	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	22	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	22	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	22	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	22	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	22	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	22	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	23	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	23	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	23	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	23	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	23	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	23	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	23	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	23	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	23	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	23	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	23	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	23	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	23	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	23	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	23	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	24	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	24	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	24	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	24	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	24	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	24	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	24	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	24	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	24	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	24	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	24	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	24	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	24	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	24	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	24	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	25	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	25	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	25	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	25	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	25	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	25	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	25	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	25	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	25	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	25	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	25	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	25	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	25	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	25	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	25	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	26	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	26	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	26	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	26	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	26	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	26	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	26	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	26	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	26	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	26	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	26	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	26	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	26	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	26	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	26	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	27	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	27	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	27	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	27	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	27	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	27	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	27	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	27	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	27	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	27	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	27	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	27	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	27	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	27	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	27	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	28	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	28	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	28	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	28	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	28	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	28	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	28	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	28	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	28	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	28	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	28	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	28	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	28	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	28	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	28	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	29	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	29	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	29	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	29	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	29	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	29	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	29	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	29	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	29	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	29	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	29	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	29	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	29	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	29	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	29	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	30	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	30	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	30	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	30	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	30	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1

30	103	30	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	30	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	30	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	30	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	30	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	30	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	30	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	30	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	30	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	30	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	31	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	31	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	31	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	31	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	31	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	31	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	31	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	31	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	31	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	31	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	31	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	31	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	31	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	31	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	31	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	32	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	32	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	32	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	32	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	32	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	32	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	32	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	32	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	32	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	32	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	32	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	32	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	32	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	32	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	32	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	33	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	33	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	33	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	33	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	33	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	33	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	33	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	33	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	33	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	33	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	33	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	33	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	33	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	33	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	33	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	34	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	34	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	34	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	34	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	34	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	34	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	34	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	34	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	34	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	34	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	34	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	34	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	34	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	34	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	34	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1
30	98	35	1	0	0	0	75070	Acetaldehyde	1	0.00E+00	0.00E+00	1
30	99	35	2	0	0	0	107028	Acrolein	1	0.00E+00	0.00E+00	1
30	100	35	3	0	0	0	71432	Benzene	1	0.00E+00	0.00E+00	1
30	101	35	4	0	0	0	106990	1-3,Butadiene	1	0.00E+00	0.00E+00	1
30	102	35	5	0	0	0	100414	Ethylbenzene	1	0.00E+00	0.00E+00	1
30	103	35	6	0	0	0	50000	Formaldehyde	1	0.00E+00	0.00E+00	1
30	104	35	7	0	0	0	110543	Hexane	1	0.00E+00	0.00E+00	1
30	105	35	8	0	0	0	67561	Methanol	1	0.00E+00	0.00E+00	1
30	106	35	9	0	0	0	78933	Methyl Ethyl Ketone	1	0.00E+00	0.00E+00	1
30	107	35	10	0	0	0	91203	Naphthalene	1	0.00E+00	0.00E+00	1
30	108	35	11	0	0	0	115071	Propylene	1	0.00E+00	0.00E+00	1
30	109	35	12	0	0	0	100425	Styrene	1	0.00E+00	0.00E+00	1
30	110	35	13	0	0	0	108883	Toluene	1	0.00E+00	0.00E+00	1
30	111	35	14	0	0	0	1330207	Xylenes	1	0.00E+00	0.00E+00	1
30	112	35	15	0	0	0	9901	Diesel	1	0.00E+00	0.00E+00	1

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM2.5_RUNEX	PM10_RUNEX
San Bernardino	2023	HHDT	Aggregate	5	Diesel	0.011583926	0.012107699
San Bernardino	2023	HHDT	Aggregate	10	Diesel	0.011861222	0.012397534
San Bernardino	2023	HHDT	Aggregate	15	Diesel	0.008971905	0.009377574
					Average	0.010805684	0.011294269
San Bernardino	2023	LDT1	Aggregate	5	Diesel	0.995952941	1.040985514
San Bernardino	2023	LDT1	Aggregate	10	Diesel	0.678651036	0.709336624
San Bernardino	2023	LDT1	Aggregate	15	Diesel	0.49261466	0.514888509
San Bernardino	2023	LDT2	Aggregate	5	Diesel	0.02172618	0.022708542
San Bernardino	2023	LDT2	Aggregate	10	Diesel	0.015701635	0.016411593
San Bernardino	2023	LDT2	Aggregate	15	Diesel	0.012393281	0.01295365
					Average	0.369506622	0.386214072
San Bernardino	2023	MHDT	Aggregate	5	Diesel	0.038188036	0.03991473
San Bernardino	2023	MHDT	Aggregate	10	Diesel	0.030692867	0.032080662
San Bernardino	2023	MHDT	Aggregate	15	Diesel	0.020091876	0.021000341
					Average	0.029657593	0.030998578

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Diesel %	Trips	PM2.5_RUNEX	PM10_RUNEX	TOG_RUNEX	TOG_RUNLOSS
San Bernardino	2023	LDA	Aggregate	Aggregate	Gasoline	773664.0019	33073440.07	33073440.07	0%	3594279.083	0.001215043	0.001321457	0.014546552	0.238651766
San Bernardino	2023	LDA	Aggregate	Aggregate	Diesel	2221.377014	77366.16142	77366.16142	66%	9541.620731	0.018899446	0.019753995	0.034363422	0
							33150806.23	67.9%						
San Bernardino	2023	LDT1	Aggregate	Aggregate	Gasoline	73981.30063	2503906.499	2503906.499	0%	318282.9673	0.002223713	0.002418354	0.068029965	0.768706396
San Bernardino	2023	LDT1	Aggregate	Aggregate	Diesel	29.71832479	424.1576698	424.1576698	0.4%	86.28629252	0.240668038	0.251549979	0.350404872	0
San Bernardino	2023	LDT2	Aggregate	Aggregate	Gasoline	323145.0561	13160212.62	13160212.62	0%	1508164.1	0.001244935	0.001353968	0.020137726	0.253569227
San Bernardino	2023	LDT2	Aggregate	Aggregate	Diesel	896.7674867	39572.03037	39572.03037	34%	4322.633894	0.006262919	0.0065461	0.016160828	0
							15704115.31	32.1%	117362			Gasoline Avg EF	0.034238081	0.42030913
								Diesel Wt EF	0.016138311					

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM10_RUNEX	PM10_IDLEX
San Bernardino	2023	HHDT	Aggregate	Aggregate	Diesel	26225.50302	4341337.171	4341337.171	468766.0938	0.030381381	0.038199519	0.031755092	0.039926732
San Bernardino	2023	MHDT	Aggregate	Aggregate	Diesel	17266.34205	797273.1639	797273.1639	214109.6493	0.011063512	0.024097548	0.011563755	0.025187133
San Bernardino	2023	LHDT1	Aggregate	Aggregate	Diesel	22607.19394	848721.5839	848721.5839	284370.06	0.029553458	0.026570826	0.030889734	0.027772241
San Bernardino	2023	LHDT2	Aggregate	Aggregate	Diesel	9499.536898	366079.7752	366079.7752	119492.2238	0.025872574	0.026291374	0.027042417	0.027480154
									Average	0.027713016	0.0264311	0.028966076	0.027626197

APPENDIX C

ENERGY CALCULATIONS

Construction Off-Road Equipment											
Phase	**Off-Road Equipment Type**	**Amount**	**Usage Hour/Day**	**Total Usage Days**	**Total Usage Hours/Equipment**	**Horsepower**	**Load Factor**	**Total Usage Hours/ Equipment**	**Horsepower-Hour**	**Fuel Usage (gallons)**	
Demolition	Concrete/Industrial saws	1	8	10	80	81	0.73	80	4730.4	242.19648	
	Excavators	3	8	10	240	158	0.38	240	14409.6	737.77152	
	Rubber Tired Dozers	2	8	10	160	247	0.4	160	15808	809.3696	
Site Preparation	Rubber Tired Dozers	3	8	10	240	247	0.4	240	23712	1214.0544	
	Tractors/Loaders/Backhoes	4	8	10	320	97	0.37	320	11484.8	588.02176	
Grading	Excavators	2	8	15	240	158	0.38	240	14409.6	737.77152	
	Graders	1	8	15	120	187	0.41	120	9200.4	471.06048	
	Rubber Tired Dozers	1	8	15	120	247	0.4	120	11856	607.0272	
	Scrapers	2	8	15	240	367	0.48	240	42278.4	2164.65408	
	Tractors/Loaders/Backhoes	2	8	15	240	97	0.37	240	8613.6	441.01632	
Building Construction	Cranes	1	7	290	2030	231	0.29	2030	135989.7	6962.67264	
	Forklifts	3	8	290	6960	89	0.2	6960	123888	6343.0656	
	Generator Sets	1	8	290	2320	84	0.74	2320	144211.2	7383.61344	
	Tractors/Loaders/Backhoes	3	7	290	6090	97	0.37	6090	218570.1	11190.78912	
	Welders	1	8	290	2320	46	0.45	2320	48024	2458.8288	
Paving	Pavers	2	8	10	160	130	0.42	160	8736	447.2832	
	Paving Equipment	2	8	10	160	132	0.36	160	7603.2	389.28384	
	Rollers	2	8	10	160	80	0.38	160	4864	249.0368	
Architectural Coating	Air Compressors	1	6	145	870	78	0.48	870	32572.8	1667.72736	
									Total	**45105.24416**	Diesel

Construction Truck and Construction Worker Vehicle Fuel Efficiency				
		EMFAC 2021 Outputs		
Vehicle Type	Vehicle Class	Fuel Consumption (1,000 gallons/day)	VMT (miles/ day)	Fuel Efficency (miles/gallon)
Construction Truck	MHDT	88.8	797273.2	9.0
	HHDT	711.5	4294976	6.0
	HHDT/MHDT	-	-	7.5
Construction Worker Vehicle	LDA	1140.9	33073440.0	29.0
	LDT1	104.7	2503906	23.9
	LDT2	561.9	13160213	23.4
	Worker Mix	-	-	26.3

Notes:

[1] For construction trucks assumes 50 percent HHDT and 50 percent MHDT vehicles, consistent with assumptions in CalEEMod for hauling trucks. For construction worker vehicles assumes 50 percent LDA, 25 percent LDT1, and 25 percent LDT2 vehicles, consistent with assumptions in CalEEMod for worker vehicles.

[2] EMFAC2021 was run for San Bernardino County for the construction year 2022. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Construction Vehicle Fuel Use - Diesel Vehicles						
Phase	Trip Type	Total Trips	Trip Length (miles)	Total VMT	Diesel Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Demolition	Hauling	353	20	7060	6.0	1176.7
Building Construction	Vendor	34220	6.9	236118	7.5	31482.4
					Total	**32659.1**

Diesel

[1] Assumes 100 percent HHDT vehicles for haul trucks and 50 percent HHDT/50 percent MHDT vehicles for MHDT, consistent with assumptions in CalEEMod.

[2] EMFAC2021 was run for San Bernardino County for the construction year 2022. Data was aggregated over all vehicle model years and speed bins.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Construction Worker Vehicle Fuel Use - Gasoline Vehicles							
Phase	Total One-Way Trips/Day	Total Days	Total Trips	Trip Length (miles)	Total VMT	Gasoline Fuel Effiency (miles/gallon)	Fuel Usage (gallons/year)
Demolition	15	10	300	14.7	4410	26.3	167.7
Site Preparation	18	10	360	14.7	5292	26.3	201.2
Grading	20	15	600	14.7	8820	26.3	335.4
Building Construction	151	290	87580	14.7	1287426	26.3	48951.6
Paving	15	10	300	14.7	4410	26.3	167.7
Architectural Coating	30	145	8700	14.7	127890	25.8	4957.0
						Total	**54612.8**

Gas

Total Construction Gasoline Usage	54612.8
Total Construction Diesel Usage	77764.3

Proposed Project Operational Trips - Warehouse			
Vehicle Class	CalEEMod	Total Project Trips	Total Trips per Vehicle Class
LDA	0.284283	329	93.5
LDT1	0.056059	329	18.4
LDT2	0.17268	329	56.8
MDV	0.136494	329	44.9
LHD1	0.026304	329	8.7
LHD2	0.007104	329	2.3
MHD	0.049	329	16.1
HHD	0.243	329	79.9
OBUS	0	329	0.0
UBUS	0	329	0.0
MCY	0.025076	329	8.3
SBUS	0	329	0.0
MH	0	329	0.0

Proposed Project Operational Trips - Light Industrial			
Vehicle Class	CalEEMod	Total Project Trips	Total Trips per Vehicle Class
LDA	0.347283	224	77.8
LDT1	0.056059	224	12.6
LDT2	0.17268	224	38.7
MDV	0.136494	224	30.6
LHD1	0.026304	224	5.9
LHD2	0.007104	224	1.6
MHD	0.057	224	12.8
HHD	0.172	224	38.5
OBUS	0	224	0.0
UBUS	0	224	0.0
MCY	0.025076	224	5.6
SBUS	0	224	0.0
MH	0	224	0.0

Proposed Project Operational Trips – Fuel Efficiency						
Fuel	Vehicle Class	EMFAC2021 Outputs1				
		Fleet Mix (%)2	Fuel Consumption (1,000 gallons/day)	VMT (miles/day)	Fuel Efficiency3 (miles/gallon)	
Gas	LDA	55%	1,118.2	33,024,788.0	29.5	16.1
	LDT1	4%	101.1	2,460,565.0	24.3	1.0
	LDT2	22%	565.3	13,590,074.0	24.0	5.4
	MDV	16%	511.4	9,933,878.0	19.4	3.2
	LHD1	2%	83.8	1,118,103.0	13.4	0.2
	MCY	0%	5.5	228,527.3	41.5	0.2
	MH	0%	11.8	56,940.1	4.8	0.0
	Fleet Mix	–	–	–	26.1	26.1
Diesel	LHD2	7%	21.5	367558.7935	17.1	1.1
	MHDT	15%	90.2	809,994.5	9.0	1.3
	HHDT	79%	716.5	4,383,825.3	6.1	4.8
	Fleet Mix	–	–	–	7.3	7.3

Notes:

[1] EMFAC2021 was run for San Bernardino County for the operational year 2024. Data was aggregated over all vehicle model years and speed bins.

[2] Fleet mix is based on assumptions made in CalEEMod for the proposed project.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Proposed Project Operational Trips – Fuel Usage						
Land Use	Total Annual VMT2 (miles/year)	Fuel Type	Portion of Fleet3 (%)	VMT by Fuel Type (miles/year)	Fleet Mix Efficiency4 (miles/gallon)	Fuel Usage (gallons/ year)
Warehouse	1,409,798.00	Gas	70%	988122	26.1	37792.1
		Diesel	30%	421676	7.3	58085.1
Light Industrial	993,964.00	Gas	76%	759285	26.1	29039.9
		Diesel	24%	234679	7.3	32326.6
					Total Gasoline/year	**66832.0**
					Total Diesel/year	**90411.7**

Notes:

[1] Calculated for operational year 2024 only. Future years will likely use less fuel due to more efficient cars.

[2] Total VMT is based on project's trip generation and trip lengths.

[3] Fleet distribution is based on EMFAC2021 output and CalEEMod assumptions.

[4] Fuel efficiency is based on fuel consumption and VMT data from EMFAC2021 for San Bernardino County and total VMT.

Proposed Project Electricity Usage	
Electricity by Land Use	**kWh/year**
Unrefrigerated Warehouse	446298
General Light Indsutry	457213
City Park	0
Parking Lot	20440
Total	**923,951**

Proposed Project Natural Gas Usage			
Natural Gas by Land Use	**kBTU/year**	**BTU/year**	**therms/year**
unrefrigerated warehouse	386,664	386,664,000	3,868
General Light Indsutry	1,490,090	1,490,090,000	14,904
City Park	0	0	0
Parking Lot	0	0	0
Total	**1,876,754**	**1,876,754,000**	**18,772**

Existing Uses Operational Trips			
Vehicle Class	CalEEMod	Total Project Trips	Total Trips per Vehicle Class
LDA	0.534251	15	8.0
LDT1	0.055593	15	0.8
LDT2	0.17199	15	2.6
MDV	0.141576	15	2.1
LHD1	0.027719	15	0.4
LHD2	0.007281	15	0.1
MHD	0.011628	15	0.2
HHD	0.017336	15	0.3
OBUS	0.000569	15	0.0
UBUS	0.000257	15	0.0
MCY	0.025522	15	0.4
SBUS	0.000954	15	0.0
MH	0.005323	15	0.1

Existing Uses Operational Trips – Fuel Efficiency						
Fuel	Vehicle Class	EMFAC2021 Outputs1				
		Fleet Mix (%)2	Consumption (1,000 gallons/day)	VMT (miles/day)	Fuel Efficiency3 (miles/gallon)	
Gas	LDA	56%	1,157.5	32,956,006.0	28.5	15.8
	LDT1	4%	108.0	2,538,748.0	23.5	1.0
	LDT2	21%	554.6	12,649,675.0	22.8	4.9
	MDV	16%	527.1	9,789,367.0	18.6	3.1
	LHD1	2%	88.0	1,109,722.0	12.6	0.2
	MCY	0%	5.6	228,447.3	41.0	0.2
	MH	0%	13.3	64,090.3	4.8	0.0
	Fleet Mix	–	–	–	25.1	25.1
Diesel	LHD2	7%	21.4	360,763.4	16.8	1.1
	MHDT	15%	87.3	783,257.2	9.0	1.3
	HHDT	79%	703.5	4,194,213.0	6.0	4.7
	Fleet Mix	–	–	–	7.1	7.1

Notes:

[1] EMFAC2021 was run for San Bernardino County for the operational year 2022. Data was aggregated over all vehicle model years and speed bins.

[2] Fleet mix is based on assumptions made in CalEEMod for the proposed project.

[3] The fuel efficiency was calculated by dividing the VMT (miles/day) by the fuel consumption (gallons/day).

Existing Uses Operational Trips – Fuel Usage						
Land Use	Total Annual VMT2 (miles/year)	Fuel Type	Portion of Fleet3 (%)	VMT by Fuel Type (miles/year)	Fleet Mix Efficiency4 (miles/gallon)	Fuel Usage (gallons/ year)
Warehouse	63,267.00	Gas	96%	60938	25.1	2423.5
		Diesel	4%	2293	7.1	321.2
					Total Gasoline/year	**2423.5**
					Total Diesel/year	**321.2**

Notes:

[1] Calculated for operational year 2022 only. Future years will likely use less fuel due to more efficient cars.

[2] Total VMT is based on project's trip generation and trip lengths.

[3] Fleet distribution is based on EMFAC2021 output and CalEEMod assumptions.

[4] Fuel efficiency is based on fuel consumption and VMT data from EMFAC2021 for San Bernardino County and total VMT.

Existing Uses Electricity Usage	
Electricity by Land Use	**kWh/year**
Unrefrigerated Warehouse	247073
City Park	0
Parking Lot	0
Total	**247,073**

Existing Uses Natural Gas Usage			
Natural Gas by Land Use	**kBTU/year**	**BTU/year**	**therms/year**
unrefrigerated warehouse	195,017	195,017,000	1,951
City Park	0	0	0
Parking Lot	0	0	0
Total	**195,017**	**195,017,000**	**1,951**

GENERAL BIOLOGICAL ASSESSMENT
FOR
ACCESSOR'S PARCEL NUMBERS
1049-181-04, 1049-181-06, and 1049-181-08
CITY OF ONTARIO
SAN BERNARDINO COUNTY, CALIFORNIA

Prepared for:

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JULY 2022

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APPENDICES

Appendix A – Species Observed
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Appendix D – Soils

1.0 Introduction

Hernandez Environmental Services (HES) was contracted to prepare a general biological assessment (GBA) for the project site located at 627 South Bon View Avenue, City of Ontario, San Bernardino County. The project site consists of approximately 10.05 acres consisting of Assessor's Parcel Number (APN) 1049-181-14. The project site is located south of Ontario Boulevard, north of East California Street, and east of South Bon View Avenue in San Bernardino County, California.

1.1 Project Site Location

The project site is located at 627 South Bon View Avenue, City of Ontario, San Bernardino County, California. The project site consists of San Bernardino County APN 1049-181-14. Specifically, the project site is located within Township 1 South, Range 7 West in Section 29, of the *Ontario* United States Geological Survey (USGS) 7.5' topographic quadrangle. The center point latitude and longitude for the project site is 34°03'25.7400" North and 117°38'06.2928" West (Figures 1 and 2).

1.2 Project Description

The project site encompasses a single parcel totaling approximately 10.05acres. The site is currently partially developed and occupied by light industrial tenants, including an RV and Boat Storage facility occupying a majority of the site. The proposed project will consist of demolishing the existing buildings, grading the site, and constructing two new warehouse buildings and related parking and other on-site improvements. Building 1 will be located on the northern portion of the site and will total 192,367 SF, inclusive of 4,000 SF of ground flood office space and 4,000 SF of mezzanine. Building 2 will be located on the southern portion of the site and will total 46,091 SF including 3,000 SF of office space. Refer to Figure 3.

2.0 Methodology

2.1 Literature Review

HES conducted a literature review and reviewed aerial photographs and topographic maps of the project site and surrounding areas. A five-mile radius was used to identify sensitive species with the California Natural Diversity Data Base (CNDDB), the U.S. Fish and Wildlife Service (USFWS) Endangered Species Lists, and the California Native Plant Society (CNPS) rare plant lists to obtain species information for the project area. The CNDDB and USFWS critical habitat databases were utilized, together with Geographic Information System (GIS) software, to locate the previously recorded locations of sensitive plant and wildlife occurrences and designated critical habitat and determine the distance from the project site

2.2 Field Survey

On May 20, 2022, HES conducted a field survey of the project site. The ambient temperature at 10:00 a.m. was 59 degrees Fahrenheit, cloudy, with winds ranging from zero to four miles per hour from the west. The purpose of the field survey was to document the existing habitat conditions, obtain plant and animal species information, view the surrounding land uses, assess the potential for state and federal waters, assess the potential for wildlife movement corridors, and assess the presence of constituent elements for critical habitat, if present.

Linear transects spaced approximately 50 to 100 feet apart were walked across the project site for 100 percent coverage. All species observed were recorded. Global Positioning System (GPS) waypoints were taken to delineate specific habitat types, species locations, state or federal waters, and any other information that would be useful for the assessment of the project site. A comprehensive list of all plant and wildlife species that were detected during the field survey within the project site is included in Appendix A. Sensitive plant and wildlife species with the potential to occur within the project area are listed in Appendix B. Representative site photographs were taken and are included within Appendix C.

3.0 Existing Conditions and Results

3.1 Environmental Setting

The project site consists of developed and disturbed land with large warehouses and shade structures that were previously used for RV and boat storage on the northern portion of the site and the southern portion consists of a disturbed dirt lot covered in gravel that is used for storage of large metal materials. The site is bordered by industrial development to the east and west, to the south is industrial and residential development, and vacant land, and to the north is Ontario Boulevard and railroad tracks. The site is relatively flat with onsite elevations ranging from 941 feet above mean sea-level (AMSL) to 971 feet AMSL.

3.2 Soils

According to the USDA Web Soil Survey, soils at the project site are classified as Tujunga loamy sand (TuB), 0 to 5 percent slopes (Appendix D).

3.3 Plant and Habitat Communities

The project site contains two different habitat types: developed and disturbed areas (Figure 4).

Developed

The project site contains approximately 8.12 acres of developed habitat. The developed habitat is located on the northern portion of the site. This habitat consists of paved areas with multiple

warehouse buildings, offices, and shade structures. The only vegetation in these areas is a few ornamental camphor trees (*Cinnamomum camphora*).

Disturbed

The project site contains approximately 1.93 acres of disturbed habitat. These areas are covered in gravel and are used to store heavy industrial materials. The vegetation in these areas is sparse and predominantly non-native or has species associated with disturbed areas. Plant species found in these areas include red-stemmed filaree (*Erodium cicutarium*), common sunflower (*Helianthus annus*), tree of heaven (*Ailanthus altissima*), Spanish clover (*Acmispon americanus*), shortpod mustard (*Hirschfeldia incana*) and Russian thistle (*Salsola tragus*)

3.4 Wildlife

General wildlife species documented on the project site or within the vicinity of the site include house sparrow (*Passer domesticus),* killdeer (*Charadrius vociferus*), and mourning dove (*Zenaida macroura*). The complete list of species observed is included in Appendix A.

3.5 Regional Connectivity/Wildlife Movement

Wildlife movement corridors link together areas of suitable habitat that are otherwise separated by rugged terrain, changes in vegetation, or human disturbances. The project area was evaluated for its function as a wildlife corridor that species use to move between wildlife habitat zones. The project site has no native habitats and consists of developed and disturbed areas. The project site is surrounded by human activity in the form of industrial uses, railways, and roadways. No wildlife movement corridors were found to be present on the project site.

3.6 Sensitive Biological Resources

According to the CNDDB, a total of 54 sensitive species of plants and 66 sensitive species of animals have the potential to occur on or within the vicinity of the project area. These include those species listed or candidates for listing by the USFWS, California Department of Fish and Wildlife (CDFW) and CNPS. All habitats with the potential to be used by sensitive species were evaluated during the site visit and a determination has been made for the presence or probability of presence within this report. This section will address those species listed as Candidate, Rare, Threatened, or Endangered under the state and federal endangered species laws. Sensitive species which have a potential to occur will also be discussed in this section. Other special status species are addressed within Appendix B.

3.6.1 Sensitive Plant Resources

A total of 14 plant species are listed as state and/or federal Threatened, Endangered, or Candidate species; are 1B.1 listed plants on the CNPS Rare Plan Inventory; or have been found to have a potential to exist on the project site. Below are descriptions of these species:

Chaparral sand-verbena
Chaparral sand-verbena (Abronia villosa var. aurita) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in sandy areas of chaparral, coastal scrub, and desert dunes habitats. No habitat for this species is present on the project site. **This species is not present.**

Braunton's milk-vetch
Braunton's milk-vetch (Astragalus brauntonii) is a federally listed Endangered species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is usually found in recently burned or disturbed areas, usually on sandstone with carbonate layers. It requires shallow soils to defeat pocket gophers and open areas, preferably on hilltops, saddles or bowls between hills. Its habitat includes chaparral, coastal scrub, valley, and foothill grassland. No habitat for this species is present on the project site. **This species is not present.**

Nevin's barberry
Nevin's barberry (*Berberis nevinii*) is a federally and state Endangered species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is typically found on steep, north facing slopes or in low grade sandy washes. Its habitat includes chaparral, cismontane woodland, coastal scrub, and riparian scrub. The project site consists of ruderal habitat, ornamental vegetation, and disturbed areas. No chaparral, cismontane woodland, coastal scrub, or riparian scrub occur on the site. No habitat for this species is present on the project site. **This species is not present.**

Thread-leaved brodiaea
The thread-leaved brodiaea (*brodiaea filifolia*) is a federally Threatened, state Endangered and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in chaparral, cismontane woodlands, coastal sage scrub, valley and foothill grasslands, vernal pools and wetland. The project site consists of ruderal habitat, ornamental vegetation, and disturbed areas. No chaparral, cismontane woodland, coastal scrub, valley and foothill grasslands, vernal pools or wetlands occur on the site. No habitat for this species is present on the project site. **This species is not present.**

Lucky morning-glory
Lucky morning-glory (Calystegia felix) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is often found in disturbed sites near the coast, at marsh edges. It is also found in alkaline soils and sometimes with saltgrass. This species is sometimes found on vernal pool margins. Its habitat includes meadows and seeps, and riparian scrub. No habitat for this species is present on the project site. **This species is not present.**

Mt. Gleason paintbrush
Mt. Gleason paintbrush (*Castilleja gleasoni*) is a state listed Rare species and is ranked 1B.2 in the CNPS Rare Plant Inventory. This species is restricted to the San Gabriel Mountains and is typically found on open flats or slopes in granitic soil. Its habitat includes lower montane coniferous forest, chaparral, and pinyon and juniper woodland. No habitat for this species is present on the project site. **This species is not present.**

Smooth tarplant
Smooth tarplant (*Centromadia pungens ssp. laevis*) is ranked 1B.1 in the CNPS Rare Plant Inventory. The species occurs in habitats that include alkali playa, chenopod scrub, meadows and seeps, riparian woodlands, wetlands, and valley and foothill grasslands. The project site consists of ruderal habitat, ornamental vegetation, and disturbed areas. No alkali playa, chenopod scrub, meadows and seeps, riparian woodlands, wetlands, or valley and foothill grasslands occur on the site. No habitat for this species is present on the project site. **This species is not present.**

Parry's spineflower
Parry's spineflower (*Chorizanthe parryi var. parryi*) is ranked 1B.1 in the CNPS Rare Plant Inventory. This species occurs in dry, sandy soils on dry slopes and flats, sometimes at the interface of two vegetations types, such as chaparral and oak woodland. Its habitat includes coastal scrub, chaparral, cismontane woodland, valley and foothill grassland. The project site consists of ruderal habitat, ornamental vegetation, and disturbed areas. No coastal scrub, chaparral, cismontane woodland, or valley and foothill grasslands occur on the site. Habitat for this species is not present on the project site. **This species is not present.**

Slender-horned spineflower
Slender - horned spineflower (*Dodecahema leptoceras*) is a federally and state listed Endangered species and is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes chaparral, cismontane woodland, and coastal scrub (alluvial fan sage scrub). The project site consists of ruderal habitat, ornamental vegetation, and disturbed areas. No chaparral, cismontane woodland, or coastal scrub occur on the site. No habitat for this species exists on the project site. **This species is not present.**

San Gabriel Mountains dudleya (Dudleya densiflora) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in crevices and on decomposed granite on cliffs and canyon walls. Its habitat includes chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, and riparian forest. No habitat for this species is present on the project site. **This species is not present.**

Santa Ana River woollystar
Santa Ana River woollystar (*Eriastrum densifolium ssp. sanctorum*) is a federally and state listed Endangered species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is typically found in sandy soils on river floodplains or terraced fluvial deposits. Its habitat includes chaparral and coastal scrub. The project site consists of ruderal habitat, ornamental vegetation, and disturbed areas. No chaparral or coastal scrub occur on the site. No habitat for this species is present on the project site. **This species is not present.**

Mesa horkelia
Mesa horkelia (*Horkelia cuneate var. puberula*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is typically found in sandy or gravelly sites. Its habitat includes chaparral, cismontane woodland, and coastal scrub. The project site consists of ruderal habitat, ornamental vegetation, and disturbed areas. No chaparral, cismontane woodland, or coastal scrub occur on the site. No habitat for this species is present on the project site. **This species is not present.**

Jokerst's monardella
Jokerst's monardella (Monardella australis ssp. jokerstii) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found on steep scree or talus slopes between breccia. Its habitat includes chaparral, and lower montane coniferous forest. No habitat for this species is present on the project site. **This species is not present.**

Brand's star phacelia
Brand's star phacelia (*Phacelia stellaris*) is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes coastal dunes and coastal scrub. No habitat for this species is present on the project site. **This species is not present.**

3.6.2 Sensitive Animal Resources

A total of 16 animal species are listed as state and/or federal Threatened, Endangered, Candidate will be reviewed in this section. Sensitive species which have a potential to occur will also be discussed in this section. All sensitive species within a 5-mile radius of project area were reviewed and a complete list of those species are discussed within Appendix B. Below are descriptions of these species:

Tricolored blackbird
Tricolored blackbird (*Agelaius tricolor)* is state listed as candidate Endangered and listed by the CDFW as a Species of Special Concern. The species occupies freshwater marshes with canopies of willows and other riparian trees. This species requires open accessible water and suitable foraging space. There is no habitat for this species on the project site. **The species is not present.**

Arroyo Toad

Arroyo Toad (*Anaxyrus californicus*) is a federally listed Endangered species and a CDFW Species of Special Concern. The most favorable breeding habitat for this species consists of slow-moving shallow pools, nearby sandbars, and adjacent stream terraces. Its habitat includes desert wash, riparian scrub, riparian woodland, south coast flowing waters, and south coast standing waters. There is no habitat for this species on the project site. **This species is not present.**

Burrowing owl

Burrowing owl (Athene cunicularia) is a CDFW Species of Special Concern. Its habitat includes coastal prairie, coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, and valley and foothill grassland. This species is typically found in open and dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. It is a subterranean nester and is dependent upon burrowing mammals, most notably the California ground squirrel. The project site consists of developed and disturbed areas. The disturbed areas on site consist of compacted dirt covered in gravel. The large industrial materials stored in this area would not be suitable to act as surrogate burrows for burrowing owls. No suitable burrows or ground squirrel activity were observed on site. The project site does not provide suitable habitat for this species. **This species is not present.**

Swainson's hawk

Swainson's hawk (*Buteo swainsoni*) is a state listed Threatened species. This species favors open grasslands for foraging but also occurs in agricultural settings. It relies on scattered stands of trees near agricultural fields and grasslands for nesting sites. Its habitats include great basin grassland, riparian forest, riparian woodland, and valley and foothill grassland. The project site does not contain suitable habitat for this species. **This species is not present.**

Santa Ana sucker

Santa Ana sucker (*Catostomus santaanae*) is a federally listed Threatened species. Its habitat includes aquatic and south coast flowing waters. This species prefers sand-rubble-boulder bottoms, cool and clear water, and algae. It is endemic to Los Angeles Basin south coastal streams. The project site does not contain suitable habitat for this species. **This species is not present.**

Western yellow-billed cuckoo

Western yellow-billed cuckoo (*Coccyzus americanus occidentalis*) is federally listed Threatened, and state listed Endangered species. This species typically nests in riparian jungles of willows, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape. It is found

in riparian forest habitat. The project site does not contain suitable habitat for this species. **This species is not present.**

San Bernardino kangaroo rat

San Bernardino kangaroo rat (*Dipodomys merriami parvus*) is a federally listed Endangered species, state listed Candidate Endangered, and a CDFW Species of Special Concern. It is found in coastal scrub habitat. This species is found in alluvial scrub vegetation on sandy loam substrates, characteristic of alluvial fans and flood plains. It needs early to intermediate seral stages. The project site does not contain suitable habitat for this species. **This species is not present.**

Stephen's kangaroo rat

Stephens' kangaroo rat (*Dipodomys stephensi*) is a federally listed Endangered and state listed Threatened species. This species is found in coastal sage scrub with sparse vegetation cover, and in valley and foothill grasslands. This species prefers buckwheat, chamise, brome grass, and filaree and will burrow into firm soil. The project site does not contain suitable habitat for this species. **This species is not present.**

Southwestern willow flycatcher

Southwestern willow flycatcher (*Empidonax traillii extimus*) is on both the federal and state Endangered list. It is commonly found in riparian woodland habitats in southern California. The project site does not contain suitable habitat for this species. **This species is not present.**

California black rail

California black rail (*Laterallus jamaicensis coturniculus*) is a state listed Threatened species and is a CDFW Fully Protected Species. It inhabits freshwater marshes, wet meadows, and shallow margins of saltwater marshes bordering larger bays. This species needs water depths of about one inch that do not fluctuate throughout the year and dense vegetation for nesting habitat. Its habitat includes brackish marsh, freshwater marsh, marsh and swamp, salt marsh, and wetland. The project site does not have suitable habitat for this species. **This species is not present**

Steelhead-southern California DPS

Steelhead-southern California DPS (*Oncorhynchus mykiss irideus pop. 10*) is a federally listed Endangered species. This species is likely to have greater physiological tolerances to warmer water and more variable conditions. Its habitats include aquatic and south coast flowing waters. The project site does not have suitable habitat for this species. **This species is not present.**

Coastal California gnatcatcher

Coastal California gnatcatcher (*Polioptila californica californica*) is a federally listed Threatened species and CDFW Species of Special Concern. This species is found in coastal bluff scrub and

coastal scrub habitat. This species is typically found in low, coastal sage scrub in arid washes, on mesas and slopes. The project site does not contain suitable habitat for this species. **This species is not present.**

Foothill yellow-legged frog
Foothill yellow-legged frog (*Rana boylii*) is a state listed Endangered species. It is found in aquatic habitat. This species is found in partley-shaded, shallow streams and riffles with a rocky substrate for egg-laying. It needs at least 15 weeks to attain metamorphosis. The project site does not contain suitable habitat for this species. **This species is not present.**

Southern mountain yellow-legged frog
Southern mountain yellow-legged frog (*Rana muscosa*) is a federally and state listed Endangered species. It is found in aquatic habitat. This species is always encountered within a few feet of water. Tadpoles may require two to four years to complete their aquatic development. The project site does not contain suitable habitat for this species. **This species is not present.**

Delhi Sands flower-loving fly
Delhi Sands flower-loving fly (*Rhaphiomidas terminates abdominalis*) is a federally listed Endangered species. It requires fine, sandy soils, often with wholly or partly consolidated dunes and sparse vegetation. It is found only in areas of the Delhi Sands formation in southwestern San Bernardino and northwestern Riverside counties. This species is found in interior dune habitat. The project site does not have suitable habitat for this species. **This species is not present.**

Least Bell's vireo
Least Bell's vireo (*Vireo bellii pusillus)* is a federal and state listed Endangered species. This species is found in riparian forest, riparian scrub, and riparian woodland. Nesting habitat of this species is restricted to willow and/or mulefat dominated riparian scrub along permanent or nearly permanent streams. No suitable habitat for this species is present on the project site. **This species is not present**

3.7 Nesting Birds

Migratory non-game native bird species are protected under the federal Migratory Bird Treaty Act. Additionally, Sections 3503, 3503.5, and 3513 of the California Fish and Game Code prohibit take of all birds and their active nests. The project site contains trees that can be utilized by nesting birds and raptors during the nesting bird season of February 1 through September 15.

3.8 Jurisdictional Waters

The project site does not contain any drainage, riparian, or riverine features. There are no CDFW, United States Army Corps of Engineers (USACE), or Regional Water Quality Control Board (RWQCB) jurisdictional waters within the project site boundaries.

4.0 Project Impacts

4.1 Impacts to Habitats

Implementation of the proposed project will impact the entire 10.05-acre project site, including 8.12 acres of developed areas and 1.93 acres of disturbed habitat (Figure 4).

4.2 Impacts to Sensitive Species

No sensitive species have the potential to occur on the project site. No impacts to sensitive species are expected.

4.3 Impacts to Nesting Birds

Potential impacts to nesting birds may occur if ground disturbing activities or vegetation removal occur during the bird nesting season of February 1 through September 15. Implementation of the measures identified in the Recommendations section of this report will ensure that potential impacts to nesting birds are less than significant.

4.4 Impacts to Critical Habitat

The project site is not located within or adjacent to designated federal critical habitat. No impact to critical habitat would occur.

4.5 Impacts to Wildlife Movement Corridors

No wildlife movement corridors were found to be present on the project site. No impacts are expected.

4.6 Conflict with Local Policies or Ordinances Protecting Biological Resources

Should the proposed project result in the removal of trees, it will be required to comply with the "Parkway Tree Regulations" of the City of Ontario (The City) which are outlined in Volume II, Title 10, Chapter 2, of The City's Municipal Code. The City defines Parkways as "that portion any public street right-of-way between the right-of-way boundary line and the curb line, and also the area enclosed within the curblines of a median divider." The removal or relocation of any parkway trees must receive prior authorization from the Public Works Agency of the City through a permitting process. Planting of a replacement parkway tree that is in accordance with the criteria outlined in Section 10-2.07 of The City's Municipal code shall be a condition

included in any removal permit issued by the City whenever feasible. If it is not feasible to plant a replacement parkway tree, the Public Facilities Manger establishes a fair value for the cash in-lieu deposit to be accepted by the City as an alternate. The routine maintenance, such as watering and trimming, of any parkway trees abutting a property is the responsibility of the abutting property owner.

County of San Bernardino's Plant Protection and Management Ordinances.

4.7 Conflict with the Provisions of an Adopted Habitat Conservation Plan, Natural Community Conservation Plan, or Other Approved Local, Regional, or State Habitat Conservation Plan

The Project would not be anticipated to conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.

4.8 State and Federal Drainages

The project site does not contain any state or federal drainages, therefore no impacts to any jurisdictional drainages are expected.

5.0 Recommendations

Based upon the findings of this report, it is recommended that the following studies or surveys be performed as part of the project.

Nesting Birds

- It is recommended that vegetation removal be conducted outside of the nesting season for migratory birds to avoid direct impacts.
- If vegetation removal will occur during the migratory bird nesting season, between February 1 and September 15, pre-construction nesting bird surveys shall be performed within three days prior to vegetation removal.
- If active nests are found during nesting bird surveys, they shall be flagged. A 250-foot buffer shall be fenced around song bird nests and a 500-foot buffer shall be fenced around raptor nests.

6.0 Certification

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this biological evaluation, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Date 07/29/2022 Signed _____

PROJECT MANAGER

Fieldwork Performed By:

Elizabeth Gonzalez

Associate Biologist

7.0 References

Burt, W. H., 1986. A Field Guide to the Mammals in North American North of Mexico. Houghton Mifflin Company, Boston,Massachusetts.

California Department of Fish and Wildlife (CDFW), Natural Diversity Database (CNDDB). Accessed January 2020 California Department of Fish and Wildlife, Sacramento, California.

Garrett, K. and J. Dunn, 1981. Birds of Southern California. Los Angeles Audubon Society. The Artisan Press, Los Angeles, California.

Grenfell, W. E., M. D. Parisi, and D. McGriff, 2003. A Check-list of the Amphibians, Reptiles, Birds and Mammals of California. California Wildlife Habitat Relationship System, California Department of Fish and Game, Sacramento, California.

Grinnell, J., 1933. Review of the Recent Mammal Fauna of California. University of California Publications in Zoology, 40:71-234.

Hall, E. R., 1981. The Mammals of North America, Volumes I and II. John Wiley and Sons, New York, New York.

Hickman, J. C., ed. 1993. The Jepson Manual: Higher Plants of California. University of California Press.

Ingles, L. G., 1965. Mammals of the Pacific States. Stanford University Press, Stanford, California.

Jameson, jr., E. W. and H. J. Peters. California Mammals. University of California Press, Berkeley, Los Angeles, London. 403 pp.

List of Vegetation Alliances and Associations. Vegetation Classification and Mapping Program, California Department of Fish and Game. Sacramento, CA. September 2010.

Meserve, P. 1976. Food relationships of a rodent fauna in a California coastal sage scrub community. Journal of Mammalogy, 57: 300-319.

Munz, P.A., 1974. A Flora of Southern California. University of California Press, Berkeley, California.

Peterson, R. 1990 *A Field Guide to Western Birds*. Houghton Mifflin Company, Boston, MA.

Sawyer, J.O., T. Keeler-Wolf, and J.M. Evens 2009 *A Manual of California Vegetation, 2nd edition*. California Native Plant Society Press, Sacramento, CA.

U.S. Fish and Wildlife Service, 1998b. Endangered and Threatened Wildlife and Plants; Final Rule to List the San Bernardino Kangaroo Rat as Endangered, Vol. 63, No. 185, pp. 51005 – 51017.

U.S Fish and Wildlife Service, 2014. Endangered and Threatened Wildlife and Plants. https://www.fws.gov/endangered/species/us-species.html. Accessed January 2020.

Web Soil Survey. Available online at http://websoilsurvey.nrcs.usda.gov/. Accessed January 2020.

Williams, D. F., 1986. Mammalian Species of Special Concern in California. Wildlife Management Division Administrative Report 86-1. Prepared for The Resources Agency, California Department of Fish and Game.

Zeiner, D. C., W. F. Laudenslayer, Jr., K. E. Mayer and M. White, 1990. California's Wildlife, Volume III Mammals, The Resources Agency, Department of Fish and Game, Sacramento, California.

FIGURE 1

Figure 1

Location Map
APN 1049-181-14
City of Ontario San Bernardino County, CA

Legend

Project Site Boundary

N

Hernandez Environmental Services

FIGURE 2

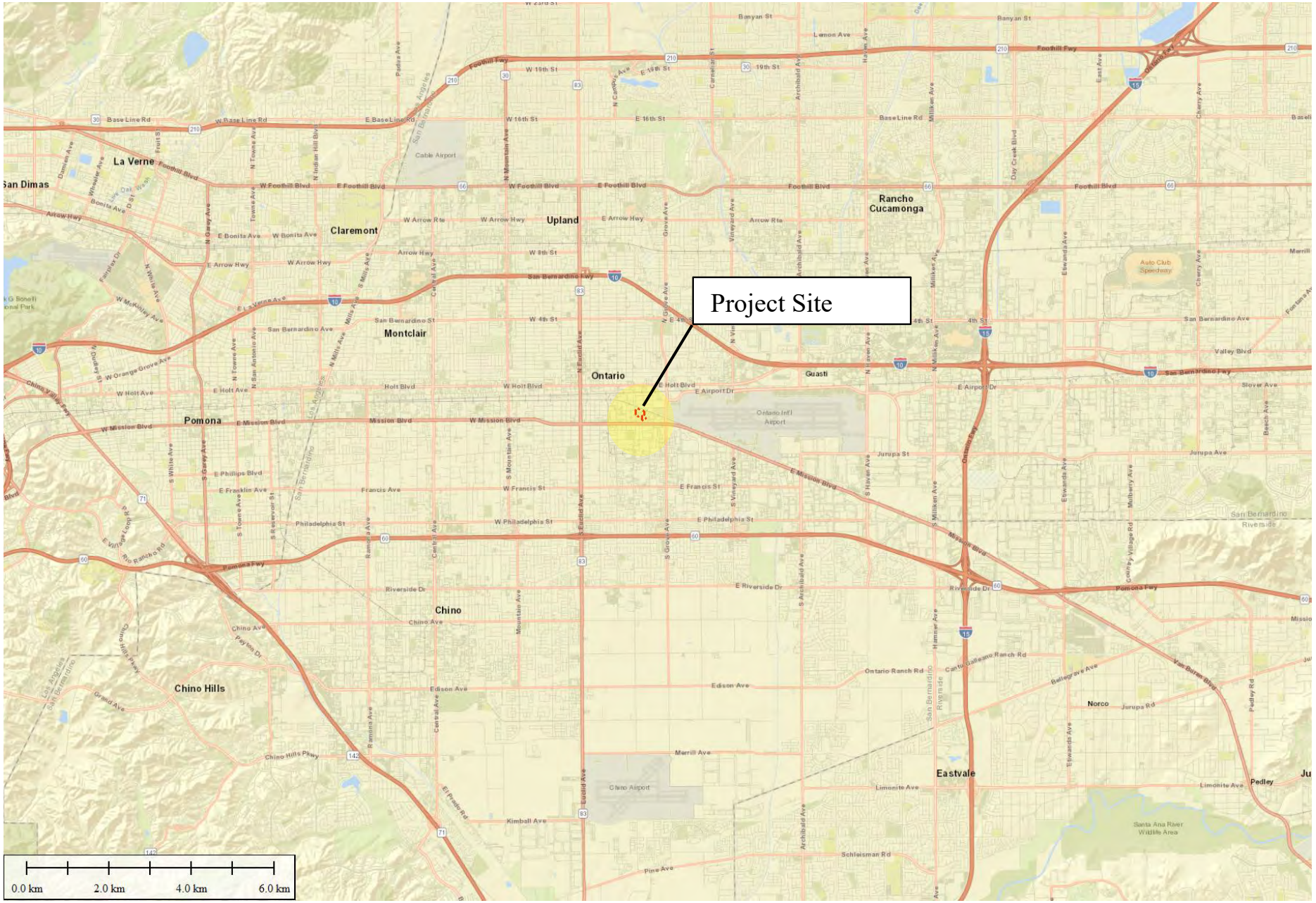


Figure 2

Vicinity Map
APN 1049-181-14
City of Ontario San Bernardino County, CA

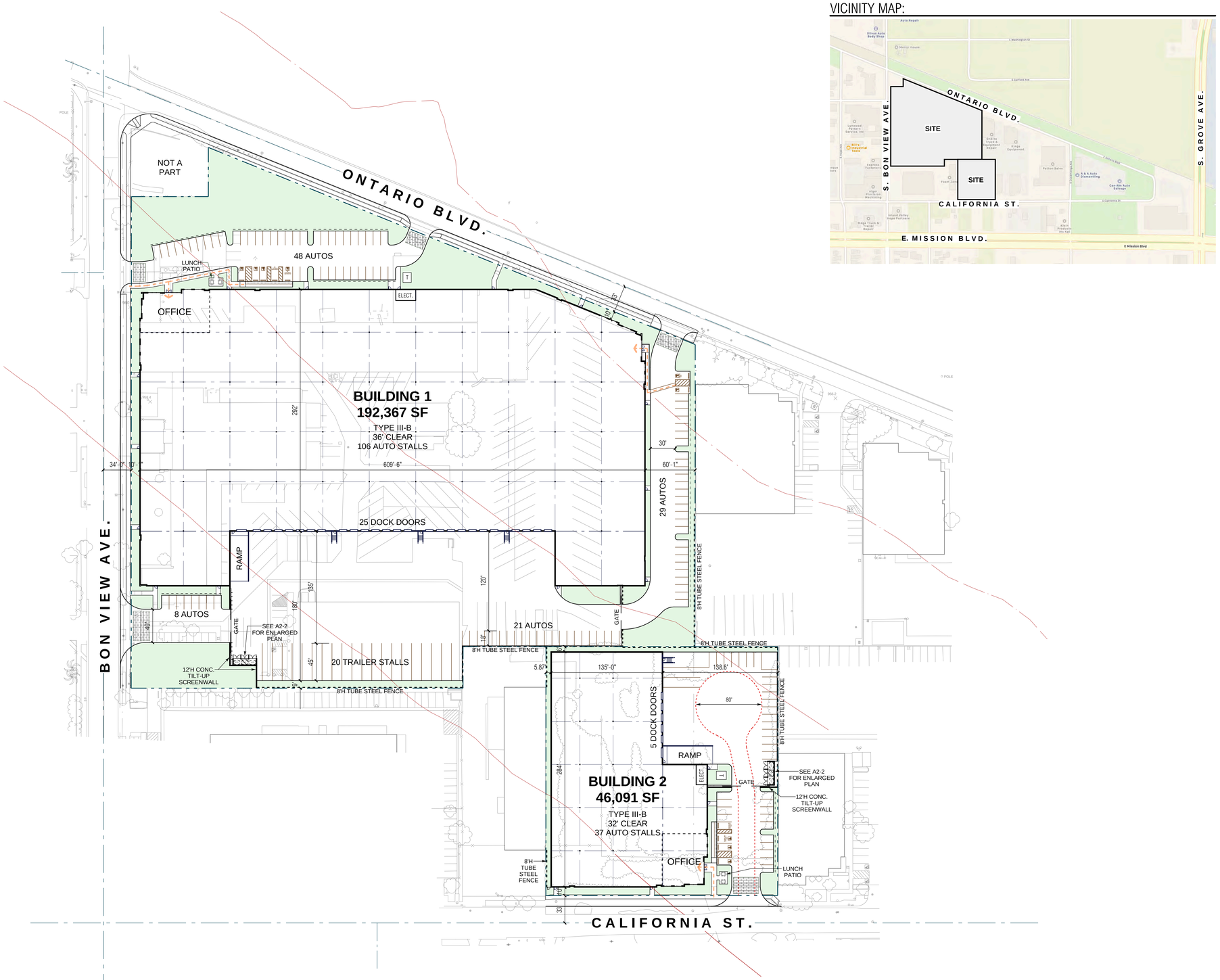
Legend

Project Site Boundary

N

Hernandez Environmental Services

FIGURE 3



VICINITY MAP:

PROJECT DATA

	BUILDING 1		BUILDING 2		TOTAL	
SITE AREA	353,752	SF	83,839	SF	437,591	SF
	8.12	AC	1.92	AC	10.05	AC
BUILDING AREA						
FOOTPRINT	188,367	SF	46,091	SF	234,458	SF
MEZZANINE	4,000	SF	0	SF	4,000	SF
TOTAL	192,367	SF	46,091	SF	238,458	SF
FLOOR AREA BY USE						
OFFICE	8,000	SF	3,000	SF	11,000	SF
WAREHOUSE	184,367	SF	43,091	SF	227,458	SF
TOTAL	192,367	SF	46,091	SF	238,458	SF
COVERAGE	53.25%		54.98%		53.58%	
F.A.R.	0.544		0.550		0.545	
PARKING REQUIRED						
OFFICE (N.A. < 10%)	0		0		0	
WAREHOUSE @ 1/1000	106		33		139	
TOTAL	106		33		139	
PARKING PROVIDED						
STANDARD STALLS	101		35		136	
ADA STALLS	5		2		7	
TOTAL	106		37		143	
LANDSCAPE AREA	53,500	SF	8,600	SF	62,100	SF
LANDSCAPE %	15.12%		10.26%		14.19%	
DOCK LOADING DOORS	25		5		30	
TRAILER PARKING REQUIRED	7		2		9	
TRAILER PARKING PROVIDED	20		2		22	

SITE INFORMATION:

APN'S: 1049-918-114

ZONE: IG (GENERAL INDUSTRIAL)

SETBACKS:
- ONTARIO BLVD. 10'
- BON VIEW AVE. 10'
- CALIFORNIA ST. 10'

LANDSCAPE REQUIRED: 15% (CORNER LOT - BLDG 1)
10% (INTERIOR LOT - BLDG 2)

SITE LEGEND:

- ADA PATH OF TRAVEL
- NEW 8'H BLACK TUBE STEEL FENCE
- LANDSCAPE AREA
- T — SCE PAD-MOUNT TRANSFORMER
- TYPICAL PARKING STALLS - 9' X 18' STRIPED PER CITY STANDARDS

PROJECT CONTACT LIST

OWNER / OWNER REP:
WPT INDUSTRIAL
PHONE: 310-977-2857
EMAIL:
CONTACT: JONAH CHODOSH

CIVIL ENGINEER:
STANTEC
735 E. CARNEGIE DR. #280
SAN BERNARDINO, CA 92408
PHONE: 909-255-8235
E-MAIL:
CONTACT: STEPEHN CREVOISERAT

ARCHITECT:
RGA, OFFICE OF ARCHITECTURAL DESIGN
15231 ALTON PARKWAY, SUITE 100
IRVINE, CA 92618
PHONE: 949-341-0920
E-MAIL: chris@rga-architects.com
CONTACT: CHRIS SAVAGE

LANDSCAPE ARCHITECT:
ENVIRONS LANDSCAPE
801 EL BERRO
SAN CLEMENTE, CA 92672
PHONE: 909-626-4663
E-MAIL:
CONTACT: BRETT FRENCH

GENERAL NOTES:

1. EXISTING CONSTRUCTION SITE DEBRIS TO BE REMOVED.
2. THE SITE CURRENTLY SLOPES +/- 2 %.
3. NO SIGNS ARE PROPOSED WITH THIS APPLICATION PACKAGE.
4. ALL PROPOSED NEW ON-SITE UTILITY SERVICES SHALL BE UNDERGROUNDED.
5. DRIVEWAYS SHALL BE CONSTRUCTED PER CITY STANDARD PLAN.
6. DAMAGED SECTIONS OF CURB & GUTTER ALONG PUBLIC RIGHT OF WAY SHALL BE REPAIRED.
7. "SITE PLAN SHALL MEET ALL ENGINEERING AND NPDES REQUIREMENTS".
8. ALL EXTERIOR LIGHT SHALL BE A 1 FC MIN.
9. ALL BACKFLOW DEVICES SHALL HAVE A SECURE LOCKABLE CAGE AROUND IT.
10. SLOPES GREATER THAN 3:1 WILL REQUIRE JUTE NETTING WITH GROUNDCOVER.
11. ALL OUT SWINGING DOORS TO HAVE NON-REMOVABLE HINGE PINS.

SCALE: 1" = 50'-0"

0' 10' 20' 50' 100'

PREPARED BY:
RGA
Office of Architectural Design
15231 Alton Parkway, Suite 100
Irvine, CA 92618
T 949-341-0920
FX 949-341-0922

OWNER / APPLICANT:
WPT CAPITAL ADVISORS
WPT CAPITAL ADVISORS, LLC
150 S. 5TH STREET SUITE 2675
MINNEAPOLIS, MN 55402
CONTACT: JONAH CHODOSH
310-977-2857
jchodosh@wptcapital.com

OWNER ADVISOR / CONTACT:
ECM MANAGEMENT LLC
818-919-5336
emily@ecm.llc

BON VIEW / ONTARIO BLVD. REDEVELOPMENT SITE

ONTARIO, CA

SCHEMATIC SITE PLAN

MARK	DATE	DESCRIPTION
	5/16/22	SCHEMATIC DESIGN

RGA PROJECT NO:	22080.00
CAD FILE NAME:	22080-00-A1-01
DRAWN BY:	CS
CHK'D BY:	CS
COPYRIGHT: RGA, OFFICE OF ARCHITECTURAL DESIGN	
SHEET TITLE	

A1-1-P

FIGURE 4

Figure 4

Habitat Map
APN 1049-181-14
City of Ontario San Bernardino County, CA

Legend

- Project Site Boundary
- Developed Areas (8.12 Acres)
- Disturbed Habitat (1.93 Acres)

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Hernandez Environmental Services

FIGURE 5

Figure 5

Impact Map
APN 1049-181-14
City of Ontario San Bernardino County, CA

Legend

- Project Site Boundary
- Impacts to Developed Areas (8.12 Acres)
- Impacts to Disturbed Habitat (1.93 Acres)

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Hernandez Environmental Services

APPENDIX A

Species List

Plant List

Ailanthus altissima	Tree of heaven
Avena barbata	Slim oat
Baccharis sarothroides	Desertbroom baccharis
Bromus sp.	Bromus sp.
Chenopodium album	White goosefoot
Cinnamomum camphora	Camphor tree
Cynosurus sp.	Dogtail grass
Erodium cicutarium	Red stemmed filaree
Helianthus annus	Common sunflower
Heterotheca grandiflora	Telegraph weed
Hirschfeldia incana	Mustard
Hordeum murinum	Foxtail barley
Lactuca serriola	Prickly lettuce
Lupinus bicolor	Miniature lupine
Malacothrix saxatilis	Cliff aster
Malva parviflora	Cheeseweed mallow
Nicotiana glauca	Tree tobacco
Oenothera laciniata	Cutleaf evening primrose
Pseudognaphalium californicum	Ladies' tobacco
Salsola tragus	Russian thistle

Animal List

Charadrius vociferus	Killdeer
Passer domesticus	House sparrow
Zenaida macroura	Mourning dove

APPENDIX B

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Abronia villosa var. aurita	chaparral sand-verbena	Dicots	None	None	1B.1	Chaparral | Coastal scrub | Desert dunes	Chaparral, coastal scrub, desert dunes.	Sandy areas. -60-1570 m.	No suitable habitat is present on site. **This species is not present.**
Arctostaphylos glandulosa ssp. gabrielensis	San Gabriel manzanita	Dicots	None	None	1B.2	Chaparral	Chaparral.	Rocky outcrops; can be dominant shrub where it occurs. 960-2015 m.	No suitable habitat is present on site. **This species is not present.**
Astragalus brauntonii	Braunton's milk-vetch	Dicots	Endangered	None	1B.1	Chaparral | Coastal scrub | Limestone | Valley & foothill grassland	Chaparral, coastal scrub, valley and foothill grassland.	Recent burns or disturbed areas; usually on sandstone with carbonate layers. Soil specialist; requires shallow soils to defeat pocket gophers and open areas, preferably on hilltops, saddles or bowls between hills. 3-640 m.	No suitable habitat is present on site. **This species is not present.**
Atriplex coulteri	Coulter's saltbush	Dicots	None	None	1B.2	Coastal bluff scrub | Coastal dunes | Coastal scrub | Valley & foothill grassland	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland.	Ocean bluffs, ridgetops, as well as alkaline low places. Alkaline or clay soils. 2-460 m.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Berberis nevinii	Nevin's barberry	Dicots	Endangered	Endangered	1B.1	Chaparral | Cismontane woodland | Coastal scrub | Riparian scrub	Chaparral, cismontane woodland, coastal scrub, riparian scrub.	On steep, N-facing slopes or in low grade sandy washes. 90-1590 m.	No suitable habitat is present on site. **This species is not present.**
Brodiaea filifolia	thread-leaved brodiaea	Monocots	Threatened	Endangered	1B.1	Chaparral | Cismontane woodland | Coastal scrub | Valley & foothill grassland | Vernal pool | Wetland	Chaparral (openings), cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools.	Usually associated with annual grassland and vernal pools; often surrounded by shrubland habitats. Occurs in openings on clay soils. 15-1030 m.	No suitable habitat is present on site. **This species is not present.**
California Walnut Woodland	California Walnut Woodland	Woodland	None	None		Cismontane woodland			**Not present.**
Calochortus clavatus var. gracilis	slender mariposa-lily	Monocots	None	None	1B.2	Chaparral | Coastal scrub | Valley & foothill grassland	Chaparral, coastal scrub, valley and foothill grassland.	Shaded foothill canyons; often on grassy slopes within other habitat. 210-1815 m.	No suitable habitat is present on site. **This species is not present.**
Calochortus plummerae	Plummer's mariposa-lily	Monocots	None	None	4.2	Chaparral | Cismontane woodland | Coastal scrub | Lower montane coniferous forest | Valley & foothill grassland	Coastal scrub, chaparral, valley and foothill grassland, cismontane woodland, lower montane coniferous forest.	Occurs on rocky and sandy sites, usually of granitic or alluvial material. Can be very common after fire. 60-2500 m.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Calochortus weedii var. intermedius	intermediate mariposa-lily	Monocots	None	None	1B.2	Chaparral | Coastal scrub | Valley & foothill grassland	Coastal scrub, chaparral, valley and foothill grassland.	Dry, rocky calcareous slopes and rock outcrops. 60-1575 m.	No suitable habitat is present on site. **This species is not present.**
Calystegia felix	lucky morning-glory	Dicots	None	None	1B.1	Meadow & seep | Riparian scrub	Meadows and seeps, riparian scrub.	Sometimes alkaline, alluvial. 9-205 m.	No suitable habitat is present on site. **This species is not present.**
Canyon Live Oak Ravine Forest	Canyon Live Oak Ravine Forest	Riparian	None	None		Riparian forest			**Not present.**
Castilleja gleasoni	Mt. Gleason paintbrush	Dicots	None	Rare	1B.2	Chaparral | Lower montane coniferous forest | Pinon & juniper woodlands	Lower montane coniferous forest, chaparral, pinyon and juniper woodland.	On open flats or slopes in granitic soil. Restricted to the San Gabriel Mountains. 975-1950 m.	No suitable habitat is present on site. **This species is not present.**
Centromadia pungens ssp. laevis	smooth tarplant	Dicots	None	None	1B.1	Alkali playa | Chenopod scrub | Meadow & seep | Riparian woodland | Valley & foothill grassland | Wetland	Valley and foothill grassland, chenopod scrub, meadows and seeps, playas, riparian woodland.	Alkali meadow, alkali scrub; also in disturbed places. 5-1170 m.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Chorizanthe parryi var. parryi	Parry's spineflower	Dicots	None	None	1B.1	Chaparral | Cismontane woodland | Coastal scrub | Valley & foothill grassland	Coastal scrub, chaparral, cismontane woodland, valley and foothill grassland.	Dry slopes and flats; sometimes at interface of 2 vegetation types, such as chaparral and oak woodland. Dry, sandy soils. 90-1220 m.	No suitable habitat is present on site. **This species is not present.**
Cladium californicum	California saw-grass	Monocots	None	None	2B.2	Alkali marsh | Freshwater marsh | Meadow & seep | Wetland	Meadows and seeps, marshes and swamps (alkaline or freshwater).	Freshwater or alkaline moist habitats. -40-2150 m.	No suitable habitat is present on site. **This species is not present.**
Claytonia peirsonii ssp. peirsonii	Peirson's spring beauty	Dicots	None	None	1B.2	Subalpine coniferous forest | Upper montane coniferous forest	Upper montane coniferous forest, subalpine coniferous forest.	Granitic scree slopes, often with a sandy or fine soil component and granitic cobbles. 1510-2745 m.	No suitable habitat is present on site. **This species is not present.**
Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	Marsh	None	None		Marsh & swamp | Wetland			**Not present.**
Dodecahema leptoceras	slender-horned spineflower	Dicots	Endangered	Endangered	1B.1	Chaparral | Cismontane woodland | Coastal scrub	Chaparral, cismontane woodland, coastal scrub (alluvial fan sage scrub).	Flood deposited terraces and washes; associates include Encelia, Dalea, Lepidospartum, etc. Sandy soils. 200-765 m.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Dudleya densiflora	San Gabriel Mountains dudleya	Dicots	None	None	1B.1	Chaparral | Cismontane woodland | Coastal scrub | Lower montane coniferous forest | Riparian forest	Chaparral, coastal scrub, cismontane woodland, lower montane coniferous forest, riparian forest.	In crevices and on decomposed granite on cliffs and canyon walls. 270-1100 m.	No suitable habitat is present on site. **This species is not present.**
Dudleya multicaulis	many-stemmed dudleya	Dicots	None	None	1B.2	Chaparral | Coastal scrub | Valley & foothill grassland	Chaparral, coastal scrub, valley and foothill grassland.	In heavy, often clayey soils or grassy slopes. 1-910 m.	No suitable habitat is present on site. **This species is not present.**
Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	Dicots	Endangered	Endangered	1B.1	Chaparral | Coastal scrub	Coastal scrub, chaparral.	In sandy soils on river floodplains or terraced fluvial deposits. 180-705 m.	No suitable habitat is present on site. **This species is not present.**
Eriogonum microthecum var. johnstonii	Johnston's buckwheat	Dicots	None	None	1B.3	Limestone | Subalpine coniferous forest | Upper montane coniferous forest	Subalpine coniferous forest, upper montane coniferous forest.	Slopes and ridges on granite or limestone. 1795-2865 m.	No suitable habitat is present on site. **This species is not present.**
Fimbristylis thermalis	hot springs fimbristylis	Monocots	None	None	2B.2	Meadow & seep | Wetland	Meadows and seeps (alkaline).	Near hot springs. 115-1585 m.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Horkelia cuneata var. puberula	mesa horkelia	Dicots	None	None	1B.1	Chaparral | Cismontane woodland | Coastal scrub	Chaparral, cismontane woodland, coastal scrub.	Sandy or gravelly sites. 15-1645 m.	No suitable habitat is present on site. **This species is not present.**
Imperata brevifolia	California satintail	Monocots	None	None	2B.1	Chaparral | Coastal scrub | Meadow & seep | Mojavean desert scrub | Riparian scrub | Wetland	Coastal scrub, chaparral, riparian scrub, mojavean desert scrub, meadows and seeps (alkali), riparian scrub.	Mesic sites, alkali seeps, riparian areas. 3-1495 m.	No suitable habitat is present on site. **This species is not present.**
Lepidium virginicum var. robinsonii	Robinson's pepper-grass	Dicots	None	None	4.3	Chaparral | Coastal scrub	Chaparral, coastal scrub.	Dry soils, shrubland. 4-1435 m.	No suitable habitat is present on site. **This species is not present.**
Lilium parryi	lemon lily	Monocots	None	None	1B.2	Lower montane coniferous forest | Meadow & seep | Riparian forest | Upper montane coniferous forest | Wetland	Lower montane coniferous forest, meadows and seeps, riparian forest, upper montane coniferous forest.	Wet, mountainous terrain; generally in forested areas; on shady edges of streams, in open boggy meadows and seeps. 625-2930 m.	No suitable habitat is present on site. **This species is not present.**
Linanthus concinnus	San Gabriel linanthus	Dicots	None	None	1B.2	Chaparral | Lower montane coniferous forest | Upper montane coniferous forest	Lower montane coniferous forest, upper montane coniferous forest, chaparral.	Dry rocky slopes, often in Jeffrey pine/canyon oak forest. 1310-2560 m.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Monardella australis ssp. jokerstii	Jokerst's monardella	Dicots	None	None	1B.1	Chaparral | Lower montane coniferous forest	Lower montane coniferous forest, chapparal.	Steep scree or talus slopes between breccia. Secondary alluvial benches along drainages and washes. 210-1740 m.	No suitable habitat is present on site. **This species is not present.**
Monardella macrantha ssp. hallii	Hall's monardella	Dicots	None	None	1B.3	Broadleaved upland forest | Chaparral | Cismontane woodland | Lower montane coniferous forest | Valley & foothill grassland	Broadleafed upland forest, chaparral, lower montane coniferous forest, cismontane woodland, valley and foothill grassland.	Dry slopes and ridges in openings. 700-1800 m.	No suitable habitat is present on site. **This species is not present.**
Muhlenbergia californica	California muhly	Monocots	None	None	4.3	Chaparral | Coastal scrub | Lower montane coniferous forest | Meadow & seep	Coastal scrub, chaparral, lower montane coniferous forest, meadows and seeps.	Usually found near streams or seeps. 100-2000 m.	No suitable habitat is present on site. **This species is not present.**
Muhlenbergia utilis	aparejo grass	Monocots	None	None	2B.2	Chaparral | Cismontane woodland | Coastal scrub | Marsh & swamp | Meadow & seep | Ultramafic	Meadows and seeps, marshes and swamps, chaparral, coastal scrub, cismontane woodland.	Sometimes alkaline, sometimes serpentinite. 25-2325 m.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Navarretia prostrata	prostrate vernal pool navarretia	Dicots	None	None	1B.2	Coastal scrub | Meadow & seep | Valley & foothill grassland | Vernal pool | Wetland	Coastal scrub, valley and foothill grassland, vernal pools, meadows and seeps.	Alkaline soils in grassland, or in vernal pools. Mesic, alkaline sites. 3-1235 m.	No suitable habitat is present on site. **This species is not present.**
Oreonana vestita	woolly mountain-parsley	Dicots	None	None	1B.3	Lower montane coniferous forest | Subalpine coniferous forest | Upper montane coniferous forest	Subalpine coniferous forest, upper montane coniferous forest, lower montane coniferous forest.	High ridges; on scree, talus, or gravel. 800-3370 m.	No suitable habitat is present on site. **This species is not present.**
Orobanche valida ssp. valida	Rock Creek broomrape	Dicots	None	None	1B.2	Chaparral | Pinon & juniper woodlands	Chaparral, pinyon and juniper woodland.	On slopes of loose decomposed granite; parasitic on various chaparral shrubs. 975-1985 m.	No suitable habitat is present on site. **This species is not present.**
Phacelia stellaris	Brand's star phacelia	Dicots	None	None	1B.1	Coastal dunes | Coastal scrub	Coastal scrub, coastal dunes.	Open areas. 3-370 m.	No suitable habitat is present on site. **This species is not present.**
Pseudognaphalium leucocephalum	white rabbit-tobacco	Dicots	None	None	2B.2	Chaparral | Cismontane woodland | Coastal scrub | Riparian woodland	Riparian woodland, cismontane woodland, coastal scrub, chaparral.	Sandy, gravelly sites. 35-515 m.	No suitable habitat is present on site. **This species is not present.**
Riversidian Alluvial Fan Sage Scrub	Riversidian Alluvial Fan Sage Scrub	Scrub	None	None		Coastal scrub			**Not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Sagittaria sanfordii	Sanford's arrowhead	Monocots	None	None	1B.2	Marsh & swamp | Wetland	Marshes and swamps.	In standing or slow-moving freshwater ponds, marshes, and ditches. 0-605 m.	No suitable habitat is present on site. **This species is not present.**
Senecio aphanactis	chaparral ragwort	Dicots	None	None	2B.2	Chaparral | Cismontane woodland | Coastal scrub	Chaparral, cismontane woodland, coastal scrub.	Drying alkaline flats. 20-1020 m.	No suitable habitat is present on site. **This species is not present.**
Sidalcea neomexicana	salt spring checkerbloom	Dicots	None	None	2B.2	Alkali playa | Chaparral | Coastal scrub | Lower montane coniferous forest | Mojavean desert scrub | Wetland	Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub.	Alkali springs and marshes. 3-2380 m.	No suitable habitat is present on site. **This species is not present.**
Southern California Arroyo Chub/Santa Ana Sucker Stream	Southern California Arroyo Chub/Santa Ana Sucker Stream	Inland Waters	None	None					**Not present.**
Southern Coast Live Oak Riparian Forest	Southern Coast Live Oak Riparian Forest	Riparian	None	None		Riparian forest			**Not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	Riparian	None	None		Riparian forest			**Not present.**
Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	Riparian	None	None		Riparian woodland			**Not present.**
Southern Willow Scrub	Southern Willow Scrub	Riparian	None	None		Riparian scrub			**Not present.**
Streptanthus bernardinus	Laguna Mountains jewelflower	Dicots	None	None	4.3	Chaparral | Lower montane coniferous forest | Upper montane coniferous forest	Chaparral, lower montane coniferous forest.	Clay or decomposed granite soils; sometimes in disturbed areas such as streamsides or roadcuts. 1440-2500 m.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Symphyotrichum defoliatum	San Bernardino aster	Dicots	None	None	1B.2	Cismontane woodland | Coastal scrub | Lower montane coniferous forest | Marsh & swamp | Meadow & seep | Valley & foothill grassland	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland.	Vernally mesic grassland or near ditches, streams and springs; disturbed areas. 3-2045 m.	No suitable habitat is present on site. **This species is not present.**
Symphyotrichum greatae	Greata's aster	Dicots	None	None	1B.3	Broadleaved upland forest | Chaparral | Cismontane woodland | Lower montane coniferous forest | Riparian woodland	Chaparral, cismontane woodland, broadleafed upland forest, lower montane coniferous forest, riparian woodland.	Mesic canyons. 335-2015 m.	No suitable habitat is present on site. **This species is not present.**
Thelypteris puberula var. sonorensis	Sonoran maiden fern	Ferns	None	None	2B.2	Meadow & seep | Wetland	Meadows and seeps.	Along streams, seepage areas. 60-930 m.	No suitable habitat is present on site. **This species is not present.**
Thysanocarpus rigidus	rigid fringepod	Dicots	None	None	1B.2	Pinon & juniper woodlands	Pinyon and juniper woodland.	Dry, rocky slopes and ridges of oak and pine woodland in arid mountain ranges. 425-2165.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Viola pinetorum ssp. grisea	grey-leaved violet	Dicots	None	None	1B.2	Meadow & seep | Subalpine coniferous forest | Upper montane coniferous forest	Subalpine coniferous forest, upper montane coniferous forest, meadows and seeps.	Dry mountain peaks and slopes. 1580-3700 m.	No suitable habitat is present on site. **This species is not present.**
Walnut Forest	Walnut Forest	Forest	None	None		Broadleaved upland forest			**Not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Accipiter cooperii	Cooper's hawk	Birds	None	None	CDFW_WL-Watch List | IUCN_LC-Least Concern	Cismontane woodland | Riparian forest | Riparian woodland | Upper montane coniferous forest	Woodland, chiefly of open, interrupted or marginal type.	Nest sites mainly in riparian growths of deciduous trees, as in canyon bottoms on river flood-plains; also, live oaks.	No suitable habitat is present on site. **This species is not present.**
Agelaius tricolor	tricolored blackbird	Birds	None	Threatened	BLM_S-Sensitive | CDFW_SSC-Species of Special Concern | IUCN_EN-Endangered | NABCI_RWL-Red Watch List | USFWS_BCC-Birds of Conservation Concern	Freshwater marsh | Marsh & swamp | Swamp | Wetland	Highly colonial species, most numerous in Central Valley and vicinity. Largely endemic to California.	Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.	No suitable habitat is present on site. **This species is not present.**
Aimophila ruficeps canescens	southern California rufous-crowned sparrow	Birds	None	None	CDFW_WL-Watch List	Chaparral | Coastal scrub	Resident in Southern California coastal sage scrub and sparse mixed chaparral.	Frequents relatively steep, often rocky hillsides with grass and forb patches.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Ammodramus savannarum	grasshopper sparrow	Birds	None	None	CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern	Valley & foothill grassland	Dense grasslands on rolling hills, lowland plains, in valleys and on hillsides on lower mountain slopes.	Favors native grasslands with a mix of grasses, forbs and scattered shrubs. Loosely colonial when nesting.	No suitable habitat is present on site. **This species is not present.**
Anaxyrus californicus	arroyo toad	Amphibians	Endangered	None	CDFW_SSC-Species of Special Concern | IUCN_EN-Endangered	Desert wash | Riparian scrub | Riparian woodland | South coast flowing waters | South coast standing waters	Semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, desert wash, etc.	Rivers with sandy banks, willows, cottonwoods, and sycamores; loose, gravelly areas of streams in drier parts of range.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Anniella stebbinsi	Southern California legless lizard	Reptiles	None	None	CDFW_SSC-Species of Special Concern | USFS_S-Sensitive	Broadleaved upland forest | Chaparral | Coastal dunes | Coastal scrub	Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County.	Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Antrozous pallidus	pallid bat	Mammals	None	None	BLM_S-Sensitive | CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern | USFS_S-Sensitive | WBWG_H-High Priority	Chaparral | Coastal scrub | Desert wash | Great Basin grassland | Great Basin scrub | Mojavean desert scrub | Riparian woodland | Sonoran desert scrub | Upper montane coniferous forest | Valley & foothill grassland	Deserts, grasslands, shrublands, woodlands and forests. Most common in open, dry habitats with rocky areas for roosting.	Roosts must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Aquila chrysaetos	golden eagle	Birds	None	None	BLM_S-Sensitive | CDF_S-Sensitive | CDFW_FP-Fully Protected | CDFW_WL-Watch List | IUCN_LC-Least Concern	Broadleaved upland forest | Cismontane woodland | Coastal prairie | Great Basin grassland | Great Basin scrub | Lower montane coniferous forest | Pinon & juniper woodlands | Upper montane coniferous forest | Valley & foothill grassland	Rolling foothills, mountain areas, sage-juniper flats, and desert.	Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Arizona elegans occidentalis	California glossy snake	Reptiles	None	None	CDFW_SSC-Species of Special Concern		Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California.	Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils.	No suitable habitat is present on site. **This species is not present.**
Artemisiospiza belli belli	Bell's sage sparrow	Birds	None	None	CDFW_WL-Watch List	Chaparral | Coastal scrub	Nests in chaparral dominated by fairly dense stands of chamise. Found in coastal sage scrub in south of range.	Nest located on the ground beneath a shrub or in a shrub 6-18 inches above ground. Territories about 50 yds apart.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Asio otus	long-eared owl	Birds	None	None	CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern | USFWS_BCC-Birds of Conservation Concern	Cismontane woodland | Great Basin scrub | Riparian forest | Riparian woodland | Upper montane coniferous forest	Riparian bottomlands grown to tall willows and cottonwoods; also, belts of live oak paralleling stream courses.	Require adjacent open land, productive of mice and the presence of old nests of crows, hawks, or magpies for breeding.	No suitable habitat is present on site. **This species is not present.**
Aspidoscelis hyperythra	orange-throated whiptail	Reptiles	None	None	CDFW_WL-Watch List | IUCN_LC-Least Concern | USFS_S-Sensitive	Chaparral | Cismontane woodland | Coastal scrub	Inhabits low-elevation coastal scrub, chaparral, and valley-foothill hardwood habitats.	Prefers washes and other sandy areas with patches of brush and rocks. Perennial plants necessary for its major food: termites.	No suitable habitat is present on site. **This species is not present.**
Aspidoscelis tigris stejnegeri	coastal whiptail	Reptiles	None	None	CDFW_SSC-Species of Special Concern		Found in deserts and semi-arid areas with sparse vegetation and open areas. Also found in woodland and riparian areas.	Ground may be firm soil, sandy, or rocky.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Athene cunicularia	burrowing owl	Birds	None	None	BLM_S-Sensitive | CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern | USFWS_BCC-Birds of Conservation Concern	Coastal prairie | Coastal scrub | Great Basin grassland | Great Basin scrub | Mojavean desert scrub | Sonoran desert scrub | Valley & foothill grassland	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation.	Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	No suitable habitat is present on site. **This species is not present.**
Atractelmis wawona	Wawona riffle beetle	Insects	None	None		Aquatic	Aquatic; found in riffles of rapid, small to medium clear mountain streams; 2000-5000 ft elev.	Strong preference for inhabiting submerged aquatic mosses.	No suitable habitat is present on site. **This species is not present.**
Batrachoseps gabrieli	San Gabriel slender salamander	Amphibians	None	None	IUCN_DD-Data Deficient | USFS_S-Sensitive	Talus slope	Known only from the San Gabriel Mtns. Found under rocks, wood, and fern fronds, and on soil at the base of talus slopes.	Most active on the surface in winter and early spring.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Bombus crotchii	Crotch bumble bee	Insects	None	None			Coastal California east to the Sierra-Cascade crest and south into Mexico.	Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum.	No suitable habitat is present on site. **This species is not present.**
Buteo swainsoni	Swainson's hawk	Birds	None	Threatened	BLM_S-Sensitive | IUCN_LC-Least Concern	Great Basin grassland | Riparian forest | Riparian woodland | Valley & foothill grassland	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees.	Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	No suitable habitat is present on site. **This species is not present.**
Callophrys mossii hidakupa	San Gabriel Mountains elfin butterfly	Insects	None	None	USFS_S-Sensitive	Lower montane coniferous forest	San Gabriel and San Bernardino mountains at elevations of 3,000 to approximately 5,500 ft.	Foodplant is Sedum spathulifolium. Type locality is southern mixed evergreen forest.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	Birds	None	None	CDFW_SSC-Species of Special Concern | USFS_S-Sensitive | USFWS_BCC-Birds of Conservation Concern	Coastal scrub	Southern California coastal sage scrub.	Wrens require tall opuntia cactus for nesting and roosting.	No suitable habitat is present on site. **This species is not present.**
Catostomus santaanae	Santa Ana sucker	Fish	Threatened	None	AFS_TH-Threatened | IUCN_VU-Vulnerable	Aquatic | South coast flowing waters	Endemic to Los Angeles Basin south coastal streams.	Habitat generalists, but prefer sand-rubble-boulder bottoms, cool, clear water, and algae.	No suitable habitat is present on site. **This species is not present.**
Chaetodipus fallax fallax	northwestern San Diego pocket mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Chaparral | Coastal scrub	Coastal scrub, chaparral, grasslands, sagebrush, etc. in western San Diego County.	Sandy, herbaceous areas, usually in association with rocks or coarse gravel.	No suitable habitat is present on site. **This species is not present.**
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Birds	Threatened	Endangered	BLM_S-Sensitive | NABCI_RWL-Red Watch List | USFS_S-Sensitive	Riparian forest	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems.	Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Coleonyx variegatus abbotti	San Diego banded gecko	Reptiles	None	None	CDFW_SSC-Species of Special Concern	Chaparral | Coastal scrub	Coastal and cismontane Southern California.	Found in granite or rocky outcrops in coastal scrub and chaparral habitats.	No suitable habitat is present on site. **This species is not present.**
Coturnicops noveboracensis	yellow rail	Birds	None	None	CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern | NABCI_RWL-Red Watch List | USFS_S-Sensitive | USFWS_BCC-Birds of Conservation Concern	Freshwater marsh | Meadow & seep	Summer resident in eastern Sierra Nevada in Mono County.	Freshwater marshlands.	No suitable habitat is present on site. **This species is not present.**
Crotalus ruber	red-diamond rattlesnake	Reptiles	None	None	CDFW_SSC-Species of Special Concern | USFS_S-Sensitive	Chaparral | Mojavean desert scrub | Sonoran desert scrub	Chaparral, woodland, grassland, and desert areas from coastal San Diego County to the eastern slopes of the mountains.	Occurs in rocky areas and dense vegetation. Needs rodent burrows, cracks in rocks or surface cover objects.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Cypseloides niger	black swift	Birds	None	None	CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern | NABCI_YWL-Yellow Watch List | USFWS_BCC-Birds of Conservation Concern		Coastal belt of Santa Cruz and Monterey counties; central and southern Sierra Nevada; San Bernardino and San Jacinto mountains.	Breeds in small colonies on cliffs behind or adjacent to waterfalls in deep canyons and sea-bluffs above the surf; forages widely.	No suitable habitat is present on site. **This species is not present.**
Diplectrona californica	California diplectronan caddisfly	Insects	None	None		Aquatic			No suitable habitat is present on site. **This species is not present.**
Dipodomys merriami parvus	San Bernardino kangaroo rat	Mammals	Endangered	Candidate Endangered	CDFW_SSC-Species of Special Concern	Coastal scrub	Alluvial scrub vegetation on sandy loam substrates characteristic of alluvial fans and flood plains.	Needs early to intermediate seral stages.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Dipodomys stephensi	Stephens' kangaroo rat	Mammals	Endangered	Threatened	IUCN_EN-Endangered	Coastal scrub | Valley & foothill grassland	Primarily annual and perennial grasslands, but also occurs in coastal scrub and sagebrush with sparse canopy cover.	Prefers buckwheat, chamise, brome grass and filaree. Will burrow into firm soil.	No suitable habitat is present on site. **This species is not present.**
Elanus leucurus	white-tailed kite	Birds	None	None	BLM_S-Sensitive | CDFW_FP-Fully Protected | IUCN_LC-Least Concern	Cismontane woodland | Marsh & swamp | Riparian woodland | Valley & foothill grassland | Wetland	Rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland.	Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.	No suitable habitat is present on site. **This species is not present.**
Empidonax traillii extimus	southwestern willow flycatcher	Birds	Endangered	Endangered	NABCI_RWL-Red Watch List	Riparian woodland	Riparian woodlands in Southern California.		No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Emys marmorata	western pond turtle	Reptiles	None	None	BLM_S-Sensitive | CDFW_SSC-Species of Special Concern | IUCN_VU-Vulnerable | USFS_S-Sensitive	Aquatic | Artificial flowing waters | Klamath/North coast flowing waters | Klamath/North coast standing waters | Marsh & swamp | Sacramento/San Joaquin flowing waters | Sacramento/San Joaquin standing waters | South coast flowing waters | South coast stan	A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation.	Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	No suitable habitat is present on site. **This species is not present.**
Ensatina eschscholtzii klauberi	large-blotched salamander	Amphibians	None	None	CDFW_WL-Watch List | USFS_S-Sensitive		Found in conifer and woodland associations.	Found in leaf litter, decaying logs and shrubs in heavily forested areas.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Eremophila alpestris actia	California horned lark	Birds	None	None	CDFW_WL-Watch List | IUCN_LC-Least Concern	Marine intertidal & splash zone communities | Meadow & seep	Coastal regions, chiefly from Sonoma County to San Diego County. Also main part of San Joaquin Valley and east to foothills.	Short-grass prairie, "bald" hills, mountain meadows, open coastal plains, fallow grain fields, alkali flats.	No suitable habitat is present on site. **This species is not present.**
Eumops perotis californicus	western mastiff bat	Mammals	None	None	BLM_S-Sensitive | CDFW_SSC-Species of Special Concern | WBWG_H-High Priority	Chaparral | Cismontane woodland | Coastal scrub | Valley & foothill grassland	Many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral, etc.	Roosts in crevices in cliff faces, high buildings, trees and tunnels.	No suitable habitat is present on site. **This species is not present.**
Falco columbarius	merlin	Birds	None	None	CDFW_WL-Watch List | IUCN_LC-Least Concern	Estuary | Great Basin grassland | Valley & foothill grassland	Seacoast, tidal estuaries, open woodlands, savannahs, edges of grasslands and deserts, farms and ranches.	Clumps of trees or windbreaks are required for roosting in open country.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Gila orcuttii	arroyo chub	Fish	None	None	AFS_VU-Vulnerable | CDFW_SSC-Species of Special Concern | USFS_S-Sensitive	Aquatic | South coast flowing waters	Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mojave and San Diego river basins.	Slow water stream sections with mud or sand bottoms. Feeds heavily on aquatic vegetation and associated invertebrates.	No suitable habitat is present on site. **This species is not present.**
Glyptostoma gabrielense	San Gabriel chestnut	Mollusks	None	None			Terrestrial.		No suitable habitat is present on site. **This species is not present.**
Gonidea angulata	western ridged mussel	Mollusks	None	None		Aquatic	Primarily creeks and rivers and less often lakes. Originally in most of state, now extirpated from Central and Southern California.		No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Icteria virens	yellow-breasted chat	Birds	None	None	CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern	Riparian forest | Riparian scrub | Riparian woodland	Summer resident; inhabits riparian thickets of willow and other brushy tangles near watercourses.	Nests in low, dense riparian, consisting of willow, blackberry, wild grape; forages and nests within 10 ft of ground.	No suitable habitat is present on site. **This species is not present.**
Lasiurus cinereus	hoary bat	Mammals	None	None	IUCN_LC-Least Concern | WBWG_M-Medium Priority	Broadleaved upland forest | Cismontane woodland | Lower montane coniferous forest | North coast coniferous forest	Prefers open habitats or habitat mosaics, with access to trees for cover and open areas or habitat edges for feeding.	Roosts in dense foliage of medium to large trees. Feeds primarily on moths. Requires water.	No suitable habitat is present on site. **This species is not present.**
Lasiurus xanthinus	western yellow bat	Mammals	None	None	CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern | WBWG_H-High Priority	Desert wash	Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats.	Roosts in trees, particularly palms. Forages over water and among trees.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Laterallus jamaicensis coturniculus	California black rail	Birds	None	Threatened	BLM_S-Sensitive | CDFW_FP-Fully Protected | IUCN_NT-Near Threatened | NABCI_RWL-Red Watch List	Brackish marsh | Freshwater marsh | Marsh & swamp | Salt marsh | Wetland	Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays.	Needs water depths of about 1 inch that do not fluctuate during the year and dense vegetation for nesting habitat.	No suitable habitat is present on site. **This species is not present.**
Lepus californicus bennettii	San Diego black-tailed jackrabbit	Mammals	None	None		Coastal scrub	Intermediate canopy stages of shrub habitats and open shrub / herbaceous and tree / herbaceous edges.	Coastal sage scrub habitats in Southern California.	No suitable habitat is present on site. **This species is not present.**
Myotis yumanensis	Yuma myotis	Mammals	None	None	BLM_S-Sensitive | IUCN_LC-Least Concern | WBWG_LM-Low-Medium Priority	Lower montane coniferous forest | Riparian forest | Riparian woodland | Upper montane coniferous forest	Optimal habitats are open forests and woodlands with sources of water over which to feed.	Distribution is closely tied to bodies of water. Maternity colonies in caves, mines, buildings or crevices.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Neolarra alba	white cuckoo bee	Insects	None	None			Known only from localities in Southern California.	Cleptoparasitic in the nests of perdita bees.	No suitable habitat is present on site. **This species is not present.**
Neotoma lepida intermedia	San Diego desert woodrat	Mammals	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Coastal scrub of Southern California from San Diego County to San Luis Obispo County.	Moderate to dense canopies preferred. They are particularly abundant in rock outcrops, rocky cliffs, and slopes.	No suitable habitat is present on site. **This species is not present.**
Nyctinomops femorosaccus	pocketed free-tailed bat	Mammals	None	None	CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern | WBWG_M-Medium Priority	Joshua tree woodland | Pinon & juniper woodlands | Riparian scrub | Sonoran desert scrub	Variety of arid areas in Southern California; pine-juniper woodlands, desert scrub, palm oasis, desert wash, desert riparian, etc.	Rocky areas with high cliffs.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Nyctinomops macrotis	big free-tailed bat	Mammals	None	None	CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern | WBWG_MH-Medium-High Priority		Low-lying arid areas in Southern California.	Need high cliffs or rocky outcrops for roosting sites. Feeds principally on large moths.	No suitable habitat is present on site. **This species is not present.**
Oncorhynchus mykiss irideus pop. 10	steelhead - southern California DPS	Fish	Endangered	None	AFS_EN-Endangered	Aquatic | South coast flowing waters	Federal listing refers to populations from Santa Maria River south to southern extent of range (San Mateo Creek in San Diego County).	Southern steelhead likely have greater physiological tolerances to warmer water and more variable conditions.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Ovis canadensis nelsoni	desert bighorn sheep	Mammals	None	None	BLM_S-Sensitive | CDFW_FP-Fully Protected | USFS_S-Sensitive	Alpine | Alpine dwarf scrub | Chaparral | Chenopod scrub | Great Basin scrub | Mojavean desert scrub | Montane dwarf scrub | Pinon & juniper woodlands | Riparian woodland | Sonoran desert scrub	Widely distributed from the White Mtns in Mono Co. to the Chocolate Mts in Imperial Co.	Open, rocky, steep areas with available water and herbaceous forage.	No suitable habitat is present on site. **This species is not present.**
Perognathus longimembris brevinasus	Los Angeles pocket mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Lower elevation grasslands and coastal sage communities in and around the Los Angeles Basin.	Open ground with fine, sandy soils. May not dig extensive burrows, hiding under weeds and dead leaves instead.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Phrynosoma blainvillii	coast horned lizard	Reptiles	None	None	BLM_S-Sensitive | CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern	Chaparral | Cismontane woodland | Coastal bluff scrub | Coastal scrub | Desert wash | Pinon & juniper woodlands | Riparian scrub | Riparian woodland | Valley & foothill grassland	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes.	Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.	No suitable habitat is present on site. **This species is not present.**
Polioptila californica californica	coastal California gnatcatcher	Birds	Threatened	None	CDFW_SSC-Species of Special Concern | NABCI_YWL-Yellow Watch List	Coastal bluff scrub | Coastal scrub	Obligate, permanent resident of coastal sage scrub below 2500 ft in Southern California.	Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Rana boylii	foothill yellow-legged frog	Amphibians	None	Endangered	BLM_S-Sensitive | CDFW_SSC-Species of Special Concern | IUCN_NT-Near Threatened | USFS_S-Sensitive	Aquatic | Chaparral | Cismontane woodland | Coastal scrub | Klamath/North coast flowing waters | Lower montane coniferous forest | Meadow & seep | Riparian forest | Riparian woodland | Sacramento/San Joaquin flowing waters	Partly-shaded, shallow streams and riffles with a rocky substrate in a variety of habitats.	Needs at least some cobble-sized substrate for egg-laying. Needs at least 15 weeks to attain metamorphosis.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Rana muscosa	southern mountain yellow-legged frog	Amphibians	Endangered	Endangered	CDFW_WL-Watch List | IUCN_EN-Endangered | USFS_S-Sensitive	Aquatic	Disjunct populations known from southern Sierras (northern DPS) and San Gabriel, San Bernardino, and San Jacinto Mtns (southern DPS). Found at 1,000 to 12,000 ft in lakes and creeks that stem from springs and snowmelt. May overwinter under frozen lakes.	Often encountered within a few feet of water. Tadpoles may require 2 - 4 yrs to complete their aquatic development.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	Insects	Endangered	None		Interior dunes	Found only in areas of the Delhi Sands formation in southwestern San Bernardino and northwestern Riverside counties.	Requires fine, sandy soils, often with wholly or partly consolidated dunes and sparse vegetation. Oviposition req. shade.	No suitable habitat is present on site. **This species is not present.**
Rhinichthys osculus ssp. 8	Santa Ana speckled dace	Fish	None	None	AFS_TH-Threatened | CDFW_SSC-Species of Special Concern | USFS_S-Sensitive	Aquatic | South coast flowing waters	Headwaters of the Santa Ana and San Gabriel rivers. May be extirpated from the Los Angeles River system.	Requires permanent flowing streams with summer water temps of 17-20 C. Usually inhabits shallow cobble and gravel riffles.	No suitable habitat is present on site. **This species is not present.**
Salvadora hexalepis virgultea	coast patch-nosed snake	Reptiles	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Brushy or shrubby vegetation in coastal Southern California.	Require small mammal burrows for refuge and overwintering sites.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Setophaga petechia	yellow warbler	Birds	None	None	CDFW_SSC-Species of Special Concern	Riparian forest | Riparian scrub | Riparian woodland	Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada.	Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	No suitable habitat is present on site. **This species is not present.**
Spea hammondii	western spadefoot	Amphibians	None	None	BLM_S-Sensitive | CDFW_SSC-Species of Special Concern | IUCN_NT-Near Threatened	Cismontane woodland | Coastal scrub | Valley & foothill grassland | Vernal pool | Wetland	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands.	Vernal pools are essential for breeding and egg-laying.	No suitable habitat is present on site. **This species is not present.**
Taricha torosa	Coast Range newt	Amphibians	None	None	CDFW_SSC-Species of Special Concern		Coastal drainages from Mendocino County to San Diego County.	Lives in terrestrial habitats and will migrate over 1 km to breed in ponds, reservoirs and slow moving streams.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Taxidea taxus	American badger	Mammals	None	None	CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern	Alkali marsh | Alkali playa | Alpine | Alpine dwarf scrub | Bog & fen | Brackish marsh | Broadleaved upland forest | Chaparral | Chenopod scrub | Cismontane woodland | Closed-cone coniferous forest | Coastal bluff scrub | Coastal dunes | Coastal prairie |	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils.	Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.	No suitable habitat is present on site. **This species is not present.**
Thamnophis hammondii	two-striped gartersnake	Reptiles	None	None	BLM_S-Sensitive | CDFW_SSC-Species of Special Concern | IUCN_LC-Least Concern | USFS_S-Sensitive	Marsh & swamp | Riparian scrub | Riparian woodland | Wetland	Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 ft elevation.	Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	No suitable habitat is present on site. **This species is not present.**

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absesence
Vireo bellii pusillus	least Bell's vireo	Birds	Endangered	Endangered	IUCN_NT-Near Threatened | NABCI_YWL-Yellow Watch List	Riparian forest | Riparian scrub | Riparian woodland	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft.	Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.	No suitable habitat is present on site. **This species is not present.**

APPENDIX C

View of developed areas on the northern portion of the project site.

View of disturbed habitat along the eastern boundary of the southern portion of the project site. Facing south from the north.

View of gravel covered ground and large metal materials stored on the southern portion of the site.

Hernandez Environmental Services

View of disturbed habitat along the western boundary of the southern portion of the project site. Facing north.

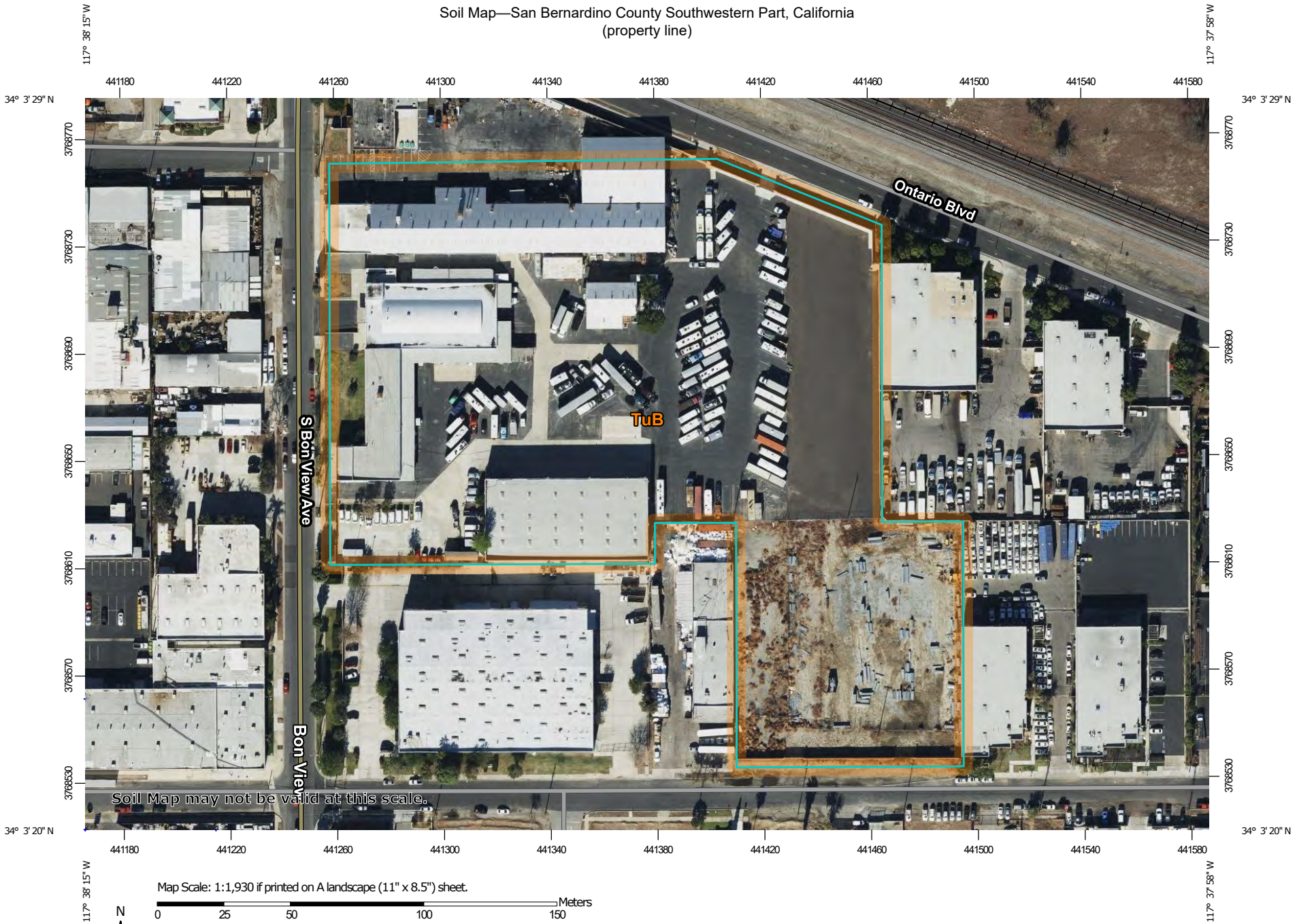
View of trash piled in southwest corner of the project site.

View of disturbed habitat along southern boundary of the southern portion of the project site. Facing west.

Hernandez Environmental Services

APPENDIX D

Soil Map—San Bernardino County Southwestern Part, California
(property line)



Map Scale: 1:1,930 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 25 50 100 150

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Bernardino County Southwestern Part, California
Survey Area Data: Version 13, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 5, 2020—Feb 6, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
TuB	Tujunga loamy sand, 0 to 5 percent slopes	9.1	100.0%
Totals for Area of Interest		**9.1**	**100.0%**

CULTURAL RESOURCES STUDY FOR THE 627 BON VIEW PROJECT

ONTARIO, CALIFORNIA

APN 1049-181-14

Lead Agency:

City of Ontario
303 East B Street
Ontario, California 91764

Preparer:

Brian F. Smith and Associates, Inc.
14010 Poway Road, Suite A
Poway, California 92064

Signature

Project Proponent:

EPD Solutions
2355 Main Street, Suite 100
Irvine, California 92614

August 4, 2022

Archaeological Database Information

Authors:	Andrew J. Garrison M.A., RPA and Brian F. Smith, M.A.
Consulting Firm:	Brian F. Smith and Associates, Inc. 14010 Poway Road, Suite A Poway, California 92064 (858) 679-8218
Client/Project Proponent:	EPD Solutions 2355 Main Street, Suite 100 Irvine, California 92614
Report Date:	August 4, 2022
Report Title:	Cultural Resources Study for the 627 Bon View Project, Ontario, San Bernardino County, California
Type of Study:	Phase I Cultural Resources Survey
USGS Quadrangle:	Section 29, Township 1 South, Range 7 West of the *San Bernardino South, California* (7.5-minute) USGS Quadrangle
Acreage:	10.06 acres
Key Words:	Survey; positive for historic-period structures; additional study of historic-period structures recommended.

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**Deleted for public review and bound separately in the Confidential Appendix*

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MANAGEMENT SUMMARY/ABSTRACT

In response to a request from EPD Solutions, a cultural resources study was conducted by Brian F. Smith and Associates, Inc. (BFSA) for the proposed 627 Bon View Project located within the city of Ontario, in San Bernardino County, California. The project is situated northeast of the intersection of East California Street and South Bon View Avenue at 627 South Bon View Avenue. The project consists of 10.06 acres which includes Assessor's Parcel Number (APN) 1049-181-14. Further, the project is located within Section 29, Township 1 South, Range 7 West as shown on the U.S. Geological Survey (7.5-minute), 1:24,000-scale *Ontario, California* topographic quadrangle map. The property currently contains former industrial/commercial buildings along with open storage yards. The project proposes to clear the property of all existing improvements for the construction of two warehouse buildings, with associated parking, landscaping, and green/open space areas.

The purpose of this investigation was to locate and record any cultural resources within the project, and subsequently evaluate any resources as part of the City's environmental review process conducted in compliance with the California Environmental Quality Act (CEQA). The archaeological investigation of the project also includes the review of an archaeological records search performed at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton (CSU Fullerton) in order to assess previous archaeological studies and identify recorded archaeological sites within the project or in the immediate vicinity. The records search identified 19 previously recorded resources (all historic) within one mile of the project. A Sacred Lands File (SLF) search was also requested from the Native American Heritage Commission (NAHC) which did not identify any potential sites or location of Native American importance within the project vicinity.

During the survey, ground visibility was fair to poor due to previous development and the current industrial use of the property. According to the aerial photographs and cursory research, the property likely contained an ancillary structure as early as 1946; however, development within the property began in earnest in 1947 with the construction of a new factory for the local Bestile Manufacturing Co. Subsequent aerial photographs show the steady addition of structures and the continued industrial use of the property throughout the twentieth century. During the survey, no archaeological resources were identified; however, four historic-period structures were noted.

Based upon the results of the current investigation, additional study of the historic-period structures identified during the survey is recommended to fully document and evaluate them under CEQA criteria for California Register of Historic Resource (CRHR) eligibility. The goal of the evaluation study is to determine if any of the structures are individually or collectively eligible for listing on the CRHR, and if that is the case, what mitigation measures are needed to reduce the level of impacts associated with the proposed development. A copy of this report will be permanently filed with the SCCIC at CSU Fullerton. All notes, photographs, and other materials related to this project will be curated at the offices of BFSA in Poway, California.

1.0 INTRODUCTION

1.1 Project Description

The archaeological survey program for the proposed 627 Bon View Project was conducted in order to comply with the CEQA and City of Ontario environmental compliance procedures. The property is located in the city of Ontario, in San Bernardino County, California (Figure 1.1–1), northeast of the intersection of East California Street and South Bon View Avenue at 627 South Bon View Avenue. The project consists of 10.06 acres (APN 1049-181-14), which is located within Section 29, Township 1 South, Range 7 West as shown on the U.S. Geological Survey (7.5-minute), 1:24,000-scale *Ontario, California* topographic quadrangle map (Figure 1.1–2). At present, the subject property contains multiple commercial/industrial structures and storage yards most recently utilized by Fleet RV & Boat Storage. The project proposes to clear the property of all existing improvements for the construction of two warehouse buildings, with associated parking, landscaping, and green/open space areas (Figure 1.1–3).

The decision to request this investigation was based upon cultural resource sensitivity of the locality as suggested by known site density and predictive modeling. Sensitivity for prehistoric cultural resources in a given area is usually indicated by known settlement patterns, which in southwestern San Bernardino County were focused around freshwater resources and a food supply. Within the city of Ontario, historic resources tend to be associated with the historic agricultural, industrial, or residential development of the region.

1.2 Environmental Setting

The 627 Bon View Project is situated in the Peninsular Ranges Geologic Province of southern California. The project lies within the Pomona Valley. This area is a relatively flat alluvial plain formed from sediments deposited by the Santa Ana River and its tributaries, such as Chino Creek and Cucamonga Creek, within the Perris Block of the Peninsular Ranges Geomorphic Province of southern California. The Peninsular Ranges are a series of northwest- to southeast-trending mountain ranges separated by similarly trending valleys, which make up the southernmost segment of a chain of North American Mesozoic batholiths that extend from Alaska to the southern tip of Baja California.

Geologically the project is is covered by middle Holocene-aged young alluvial-fan deposits (Morton and Miller 2006). These deposits are composed of slightly to moderately consolidated sandy deposits having slightly to moderately dissected surfaces. Slightly older, Holocene to late Pleistocene-aged, alluvial-fan deposits are east of the project, while artificial fill deposits indicate the area of the Ontario International Airport farther east (Wirths 2022). The specific soil type found within the project is the Tujunga loamy sand, 0 to 5 percent slopes (TuB). Elevations within the subject property range between approximately 950 and 965 feet above mean sea level.

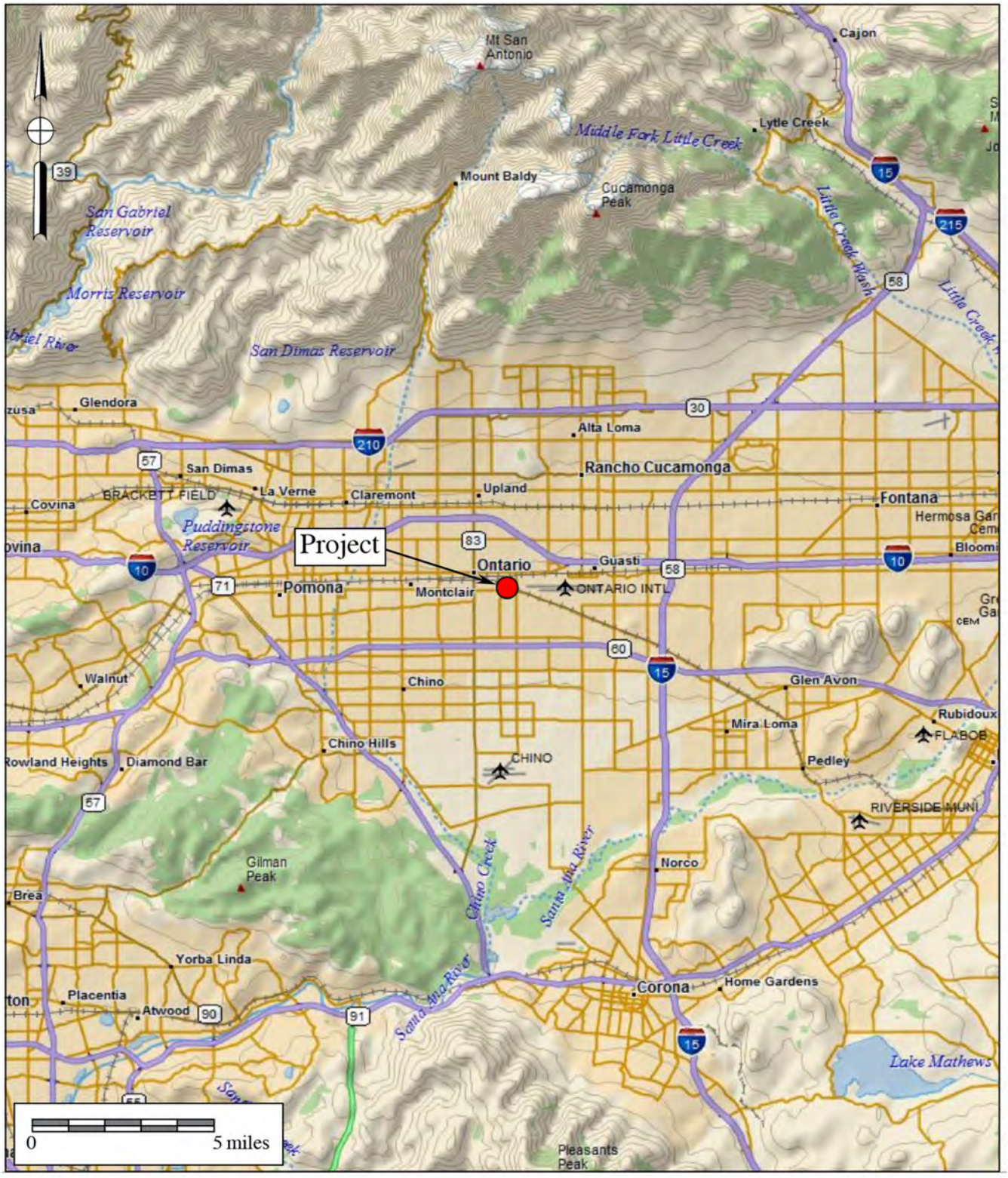


Figure 1.1–1

General Location Map

The 627 Bon View Project

DeLorme World Base Map Service (1:250,000 series)

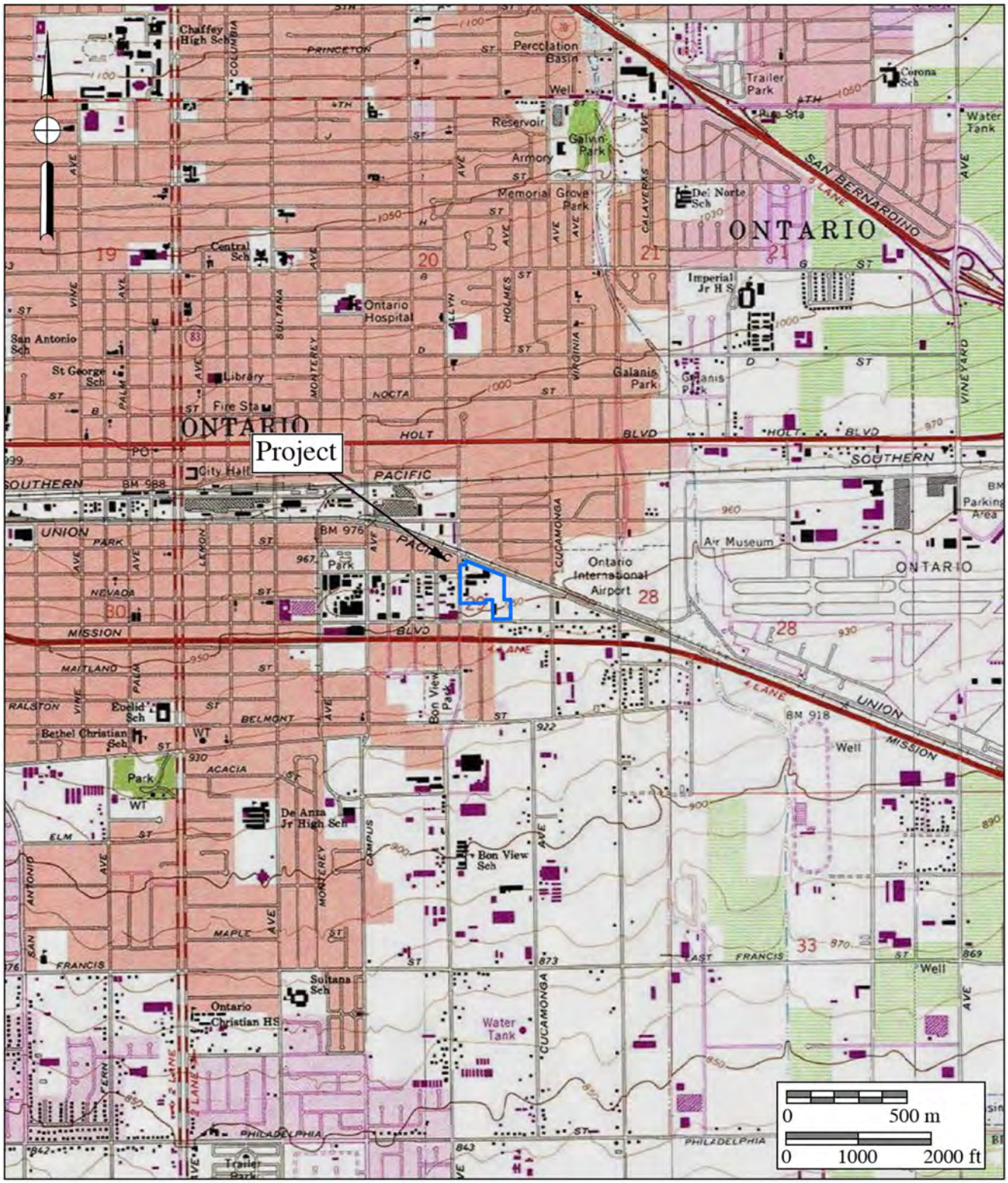
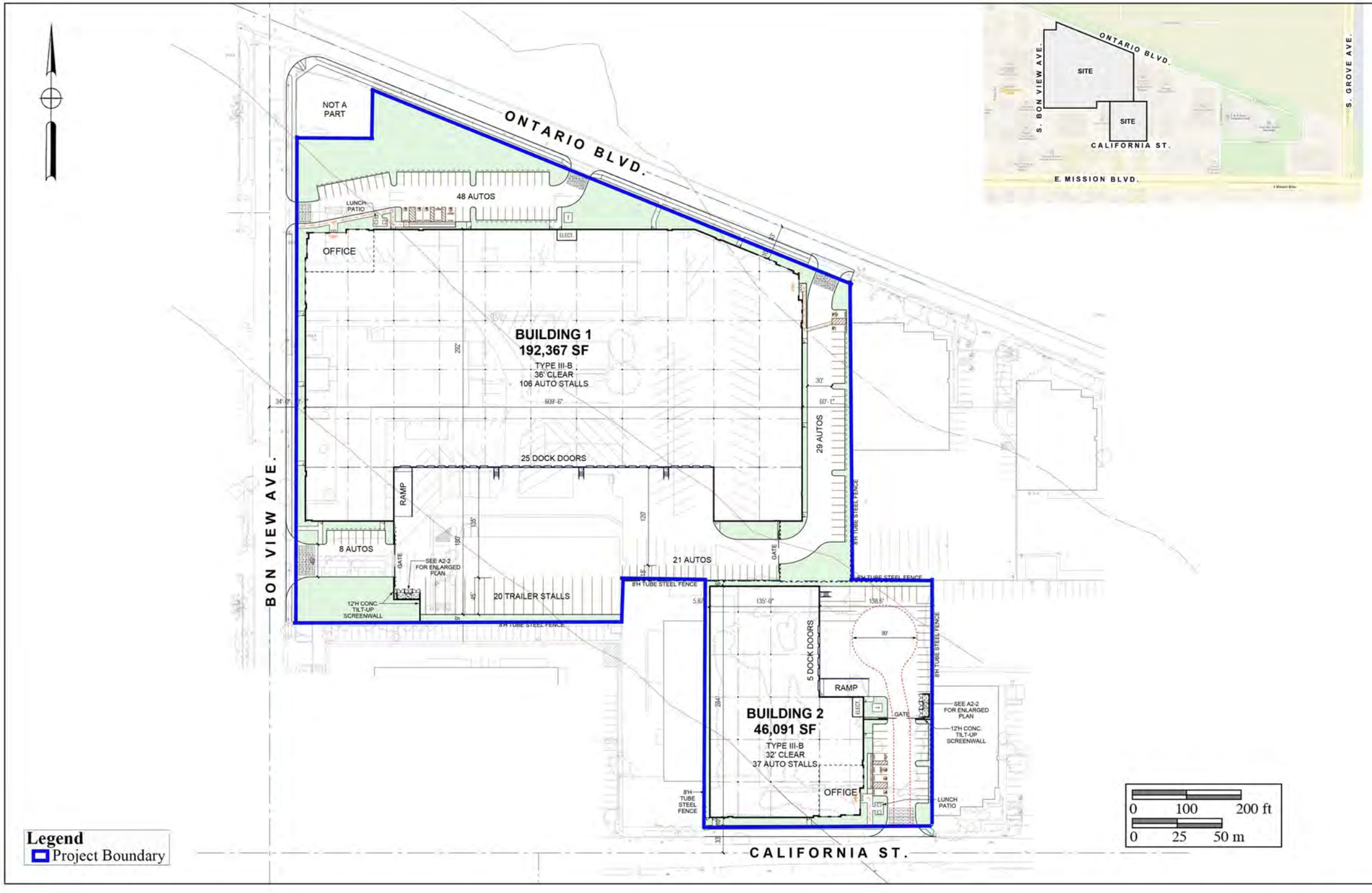


Figure 1.1–2

Project Location Map

The 627 Bon View Project

USGS *Ontario* Quadrangle (7.5-minute series)



BUILDING AREA				
FOOTPRINT	188,367	SF	46,091 SF	234,
MEZZANINE	4,000	SF	0 SF	4,
TOTAL	192,367	SF	46,091 SF	238,
FLOOR AREA BY USE				
OFFICE	8,000	SF	3,000 SF	11,
WAREHOUSE	184,367	SF	43,091 SF	227,
TOTAL	192,367	SF	46,091 SF	238,
COVERAGE	53.25%		54.98%	53.5
F.A.R.	0.544		0.550	0.
PARKING REQUIRED				
OFFICE (N.A. < 10%)	0		0	
WAREHOUSE @ 1/1000	106		33	
TOTAL	106		33	
PARKING PROVIDED				
STANDARD STALLS	101		35	
ADA STALLS	5		2	
TOTAL	106		37	
LANDSCAPE AREA	53,500	SF	8,600 SF	62,
LANDSCAPE %	15.12%		10.28%	14.1
DOCK LOADING DOORS	25		5	
TRAILER PARKING REQUIRED	7		2	
TRAILER PARKING PROVIDED	20		2	

SITE INFORMATION:

APN'S: 1049-918-114

ZONE: IG (GENERAL INDUSTRIAL)

SETBACKS:
ONTARIO BLVD. 10'
BON VIEW AVE. 10'
CALIFORNIA ST. 10'

LANDSCAPE REQUIRED: 15% (CORNER LOT - BLDG 1)
10% (INTERIOR LOT - BLDG 2)

SITE LEGEND:

ADA PATH OF TRAVEL

NEW 6'H BLACK TUBE STEEL FENCE

LANDSCAPE AREA

1 SCE PAD-MOUNT TRANSFORMER

TYPICAL PARKING STALLS - 9' X 18' STRIPED PER CITY STANDARDS

PROJECT CONTACT LIST

OWNER / OWNER REP:
WPT INDUSTRIAL
PHONE: 310-977-2857
EMAIL:
CONTACT: JONAH CHODOSH

CIVIL ENGINEER:
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GENERAL NOTES:

1. EXISTING CONSTRUCTION SITE DEBRIS TO BE REMOVED.
2. THE SITE CURRENTLY SLOPES +/- 2 %.
3. NO SIGNS ARE PROPOSED WITH THIS APPLICATION PACKAGE.
4. ALL PROPOSED NEW ON-SITE UTILITY SERVICES SHALL BE UNDERGROUNDED.
5. DRIVEWAYS SHALL BE CONSTRUCTED PER CITY STANDARD PLAN.
6. DAMAGED SECTIONS OF CURB & GUTTER ALONG PUBLIC RIGHT OF WAY SHALL BE REPAIRED.
7. "SITE PLAN SHALL MEET ALL ENGINEERING AND NPDES REQUIREMENTS".
8. ALL EXTERIOR LIGHT SHALL BE A 1 FC MIN.
9. ALL BACKFLOW DEVICES SHALL HAVE A SECURE LOCKABLE CAGE AROUND IT.
10. SLOPES GREATER THAN 3:1 WILL REQUIRE JUTE NETTING WITH GROUNDCOVER
11. ALL OUT SWINGING DOORS TO HAVE NON-REMOVABLE HINGE PINS.

Figure 1.1–3
Site Plan
The 627 Bon View Project

1.3 Cultural Setting

1.3.1 Prehistoric Period

Paleo Indian, Archaic Period Milling Stone Horizon, and the Late Prehistoric Shoshonean groups are the three general cultural periods represented in San Bernardino County. The following discussion of the cultural history of San Bernardino County references the San Dieguito Complex, the Encinitas Tradition, the Milling Stone Horizon, the La Jolla Complex, the Pauma Complex, and the San Luis Rey Complex, since these culture sequences have been used to describe archaeological manifestations in the region. The Late Prehistoric component in the southwestern area of San Bernardino County was represented by the Gabrielino and Serrano Indians. According to Kroeber (1976), the Serrano probably owned a stretch of the Sierra Madre from Cucamonga east to above Mentone and halfway up to San Timoteo Canyon, including the San Bernardino Valley and just missing Riverside County. However, Kroeber (1976) also states that this area has been assigned to the Gabrielino, "which would be a more natural division of topography, since it would leave the Serrano pure mountaineers."

Absolute chronological information, where possible, will be incorporated into this discussion to examine the effectiveness of continuing to use these terms interchangeably. Reference will be made to the geologic framework that divides the culture chronology of the area into four segments: late Pleistocene (20,000 to 10,000 years before the present [YBP]), early Holocene (10,000 to 6,650 YBP), middle Holocene (6,650 to 3,350 YBP), and late Holocene (3,350 to 200 YBP).

Paleo Indian Period (Late Pleistocene: 11,500 to circa 9,000 YBP)

The Paleo Indian Period is associated with the terminus of the late Pleistocene (12,000 to 10,000 YBP). The environment during the late Pleistocene was cool and moist, which allowed for glaciation in the mountains and the formation of deep, pluvial lakes in the deserts and basin lands (Moratto 1984). However, by the terminus of the late Pleistocene, the climate became warmer, which caused glaciers to melt, sea levels to rise, greater coastal erosion, large lakes to recede and evaporate, extinction of Pleistocene megafauna, and major vegetation changes (Moratto 1984; Martin 1967, 1973; Fagan 1991). The coastal shoreline at 10,000 YBP, depending upon the particular area of the coast, was near the 30-meter isobath, or two to six kilometers further west than its present location (Masters 1983).

Paleo Indians were likely attracted to multiple habitat types, including mountains, marshlands, estuaries, and lakeshores. These people likely subsisted using a more generalized hunting, gathering, and collecting adaptation, utilizing a variety of resources including birds, mollusks, and both large and small mammals (Erlandson and Colten 1991; Moratto 1984; Moss and Erlandson 1995).

Archaic Period (Early and Middle Holocene: circa 9000 to 1300 YBP)

The Archaic Period of prehistory began with the onset of the Holocene around 9,000 YBP.

The transition from the Pleistocene to the Holocene was a period of major environmental change throughout North America (Antevs 1953; Van Devender and Spaulding 1979). The general warming trend caused sea levels to rise, lakes to evaporate, and drainage patterns to change. In southern California, the general climate at the beginning of the early Holocene was marked by cool/moist periods and an increase in warm/dry periods and sea levels. The coastal shoreline at 8,000 YBP, depending upon the particular area of the coast, was near the 20-meter isobath, or one to four kilometers further west than its present location (Masters 1983).

The rising sea level during the early Holocene created rocky shorelines and bays along the coast by flooding valley floors and eroding the coastline (Curray 1965; Inman 1983). Shorelines were primarily rocky with small littoral cells, as sediments were deposited at bay edges but rarely discharged into the ocean (Reddy 2000). These bays eventually evolved into lagoons and estuaries, which provided a rich habitat for mollusks and fish. The warming trend and rising sea levels generally continued until the late Holocene (4,000 to 3,500 YBP).

At the beginning of the late Holocene, sea levels stabilized, rocky shores declined, lagoons filled with sediment, and sandy beaches became established (Gallegos 1985; Inman 1983; Masters 1994; Miller 1966; Warren and Pavesic 1963). Many former lagoons became saltwater marshes surrounded by coastal sage scrub by the late Holocene (Gallegos 2002). The sedimentation of the lagoons was significant in that it had profound effects upon the types of resources available to prehistoric peoples. Habitat was lost for certain large mollusks, namely *Chione* and *Argopecten,* but habitat was gained for other small mollusks, particularly *Donax* (Gallegos 1985; Reddy 2000). The changing lagoon habitats resulted in the decline of larger shellfish, the loss of drinking water, and the loss of Torrey Pine nuts, causing a major depopulation of the coast as people shifted inland to reliable freshwater sources and intensified their exploitation of terrestrial small game and plants, including acorns (originally proposed by Rogers 1929; Gallegos 2002).

The Archaic Period in southern California is associated with a number of different cultures, complexes, traditions, and horizons, including San Dieguito, La Jolla, Encinitas, Milling Stone, and Pauma, as well as the Intermediate Period.

Late Prehistoric Period (Late Holocene: 1,300 YBP to 1790)

Approximately 1,350 YBP, a Shoshonean-speaking group from the Great Basin region moved into San Bernardino County, marking the transition to the Late Prehistoric Period. This period has been characterized by higher population densities and elaborations in social, political, and technological systems. Economic systems diversified and intensified during this period, with the continued elaboration of trade networks, the use of shell-bead currency, and the appearance of more labor-intensive, yet effective, technological innovations. Technological developments during this period included the introduction of the bow and arrow between A.D. 400 and 600 and the introduction of ceramics. Atlatl darts were replaced by smaller arrow darts, including the Cottonwood series points. Other hallmarks of the Late Prehistoric Period include extensive trade networks as far reaching as the Colorado River Basin and cremation of the dead.

Protohistoric Period (Late Holocene: 1790 to Present)

Gabrielino

At the time of Spanish contact, the territory of the Gabrielino, also known ethnographically as the Tongva, covered much of present-day Los Angeles and Orange counties. The southern extent of this culture area is bounded by Aliso Creek, the eastern extent is located east of present-day San Bernardino along the Santa Ana River, the northern extent includes the San Fernando Valley, and the western extent includes portions of the Santa Monica Mountains. The Gabrielino also occupied several Channel Islands including Santa Barbara Island, Santa Catalina Island, San Nicholas Island, and San Clemente Island. Because of their access to certain resources, including a steatite source from Santa Catalina Island, this group was among the wealthiest and most populous aboriginal groups in all of southern California. Trade of materials and resources controlled by the Gabrielino extended as far north as the San Joaquin Valley, as far east as the Colorado River, and as far south as Baja California (Bean and Smith 1978a; Kroeber 1976).

The Gabrielino lived in permanent villages and smaller resource gathering camps occupied at various times of the year depending upon the seasonality of the resource. Larger villages were comprised of several families or clans, while smaller, seasonal camps typically housed smaller family units. The coastal area between San Pedro and Topanga Canyon was the location of primary subsistence villages, while secondary sites were located near inland sage stands, oak groves, and pine forests. Permanent villages were located along rivers and streams, as well as in sheltered areas along the coast. As previously mentioned, the Channel Islands were also the locations of relatively large settlements (Bean and Smith 1978a; Kroeber 1976).

Resources procured along the coast and on the islands were primarily marine in nature and included tuna, swordfish, ray and shark, California sea lion, Stellar sea lion, harbor seal, northern elephant seal, sea otter, dolphin and porpoise, various waterfowl species, numerous fish species, purple sea urchin, and mollusks such as rock scallop, California mussel, and limpet. Inland resources included oak acorn, pine nut, Mohave yucca, cacti, sage, grass nut, deer, rabbit, hare, rodent, quail, duck, and a variety of reptiles such as western pond turtle and several different species of snakes (Bean and Smith 1978a; Kroeber 1976).

The social structure of the Gabrielino is little known; however, there appears to have been at least three social classes: 1) the elite, which included the rich, chiefs, and their immediate family; 2) a middle class, which included people of relatively high economic status or long-established lineages; and 3) a class of people that included most other individuals in the society. Villages were politically autonomous units comprised of several lineages. During times of the year when certain seasonal resources were available, the village would divide into lineage groups and move out to exploit them, returning to the village between forays (Bean and Smith 1978a; Kroeber 1976).

Each lineage had its own leader, with the village chief coming from the dominant lineage. Several villages might be allied under a paramount chief. Chiefly positions were of an ascribed status, most often passed to the eldest son. Chiefly duties included providing village cohesion, leading warfare and peace negotiations with other groups, collecting village tributes, and

arbitrating disputes within the village(s). The status of the chief was legitimized by safekeeping of the sacred bundle, a representation of the link between the material and spiritual realms and the embodiment of power (Bean and Smith 1978a; Kroeber 1976).

Shamans were leaders in the spirit realm. The duties of the shaman included conducting healing and curing ceremonies, guarding the sacred bundle, locating lost items, identifying and collecting poisons for arrows, and making rain (Bean and Smith 1978a; Kroeber 1976).

Marriages were made between individuals of equal social status and, in the case of powerful lineages, marriages were arranged to establish political ties between the lineages (Bean and Smith 1978a; Kroeber 1976).

Men conducted the majority of the heavy labor, hunting, fishing, and trading with other groups. Women's duties included gathering and preparing plant and animal resources, and making baskets, pots, and clothing (Bean and Smith 1978a; Kroeber 1976).

Gabrielino houses were domed, circular structures made of thatched vegetation. Houses varied in size and could house from one to several families. Sweathouses (semicircular, earth-covered buildings) were public structures used in male social ceremonies. Other structures included menstrual huts and a yuvar, an open-air, ceremonial structure built near the chief's house (Bean and Smith 1978a; Kroeber 1976).

Clothing was minimal; men and children most often went naked, while women wore deerskin or bark aprons. In cold weather, deerskin, rabbit fur, or bird skin (with feathers intact) cloaks were worn. Island and coastal groups used sea otter fur for cloaks. In areas of rough terrain, yucca fiber sandals were worn. Women often used red ochre on their faces and skin for adornment or protection from the sun. Adornment items included feathers, fur, shells, and beads (Bean and Smith 1978a; Kroeber 1976).

Hunting implements included wood clubs, sinew-backed bows, slings, and throwing clubs. Maritime implements included rafts, harpoons, spears, hook and line, and nets. A variety of other tools included deer scapulae saws, bone and shell needles, bone awls, scrapers, bone or shell flakers, wedges, stone knives and drills, metates, mullers, manos, shell spoons, bark platters, and wooden paddles and bowls. Baskets were made from rush, deer grass, and skunkbush. Baskets were fashioned for hoppers, plates, trays, and winnowers for leaching, straining, and gathering. Baskets were also used for storing, preparing, and serving food, and for keeping personal and ceremonial items (Bean and Smith 1978a; Kroeber 1976).

The Gabrielino had exclusive access to soapstone, or steatite, procured from Santa Catalina Island quarries. This highly prized material was used for making pipes, animal carvings, ritual objects, ornaments, and cooking utensils. The Gabrielino profited well from trading steatite since it was valued so much by groups throughout southern California (Bean and Smith 1978a; Kroeber 1976).

Serrano

Aboriginally, the Serrano occupied an area east of present-day Los Angeles. According to Bean and Smith (1978b), definitive boundaries are difficult to place for the Serrano due to their sociopolitical organization and a lack of reliable data:

> The Serrano were organized into autonomous localized lineages occupying definite, favored territories, but rarely claiming any territory far removed from the lineage's home base. Since the entire dialectical group was neither politically united nor amalgamated into supralineage groups, as many of their neighbors were, one must speak in terms of generalized areas of usage rather than pan-tribal holdings. (Strong [1971] in Bean and Smith 1978b)

However, researchers place the Serrano in the San Bernardino Mountains east of Cajon Pass and at the base of and north of the mountains near Victorville, east to Twentynine Palms, and south to the Yucaipa Valley (Bean and Smith 1978b). Serrano has been used broadly for languages in the Takic family including Serrano, Kitanemuk, Vanyume, and Tataviam.

The Serrano were part of "exogamous clans, which in turn were affiliated with one of two exogamous moieties, *tuk^{w}utam* (Wildcat) and *wahiʔiam* (Coyote)" (Bean and Smith 1978b). According to Strong (1971), details such as number, structure, and function of the clans are unknown. Instead, he states that clans were not political, but were rather structured based upon "economic, marital, or ceremonial reciprocity, a pattern common throughout Southern California" (Bean and Smith 1978b). The Serrano formed alliances amongst their own clans and with Cahuilla, Chemehuevi, Gabrielino, and Cupeño clans (Bean and Smith 1978b). Clans were large, autonomous political and landholding units formed patrilineally, with all males descending from a common male ancestor, including all wives and descendants of the males. However, even after marriage, women would still keep their original lineage, and would still participate in those ceremonies (Bean and Smith 1978b).

According to Bean and Smith (1978b), the cosmogony and cosmography of the Serrano are very similar to those of the Cahuilla:

> There are twin creator gods, a creation myth told in "epic poem" style, each local group having its own origin story, water babies whose crying foretells death, supernatural beings of various kinds and on various hierarchically arranged power-access levels, an Orpheus-like myth, mythical deer that no one can kill, and tales relating the adventures (and misadventures) of Coyote, a tragicomic trickster-transformer culture hero. (Bean [1962-1972] and Benedict [1924] in Bean and Smith 1978b)

The Serrano had a shaman who acquired powers through dreams, which were induced through

ingestion of the hallucinogen datura. The shaman was mostly a curer/healer, using herbal remedies and "sucking out the disease-causing agents" (Bean and Smith 1978b).

Serrano village locations were typically located near water sources. Individual family dwellings were likely circular, domed structures. Daily household activities would either take place outside of the house out in the open, or under a ramada constructed of a thatched willow pole roof held up by four or more poles inserted into the ground. Families could consist of a husband, wife/wives, unmarried female children, married male children, the husband's parents, and/or widowed aunts and uncles. Rarely, an individual would occupy his own house, typically in the mountains. Serrano villages also included a large ceremonial house where the lineage leader would live, which served as the religious center for lineages or lineage-sets, granaries, and sweathouses (Bean and Smith 1978b).

The Serrano were primarily hunter/gatherers. Vegetal staples varied with locality. Acorns and piñon nuts were found in the foothills, and mesquite, yucca roots, cacti fruits, and piñon nuts were found in or near the desert regions. Diets were supplemented with other roots, bulbs, shoots, and seeds (Heizer 1978). Deer, mountain sheep, antelopes, rabbits, and other small rodents were among the principal food packages. Various game birds, especially quail, were also hunted. The bow and arrow was used for large game, while smaller game and birds were killed with curved throwing sticks, traps, and snares. Occasionally, game was hunted communally, often during mourning ceremonies (Benedict 1924; Drucker 1937; Heizer 1978). Earth ovens were used to cook meat, bones were boiled to extract marrow, and blood was either drunk cold or cooked to a thicker consistency and then eaten. Some meat and vegetables were sun-dried and stored. Food acquisition and processing required the manufacture of additional items such as knives, stone or bone scrapers, pottery trays and bowls, bone or horn spoons, and stirrers. Mortars, made of either stone or wood, and metates were also manufactured (Strong 1971; Drucker 1937; Benedict 1924).

The Serrano were very similar technologically to the Cahuilla. In general, manufactured goods included baskets, some pottery, rabbit-skin blankets, awls, arrow straighteners, sinew-backed bows, arrows, fire drills, stone pipes, musical instruments (rattles, rasps, whistles, bull-roarers, and flutes), feathered costumes, mats for floor and wall coverings, bags, storage pouches, cordage (usually comprised of yucca fiber), and nets (Heizer 1978).

1.3.2 Historic Period

Traditionally, the history of the state of California has been divided into three general periods: the Spanish Period (1769 to 1821), the Mexican Period (1822 to 1846), and the American Period (1848 to present) (Caughey 1970). The American Period is often further subdivided into additional phases: the nineteenth century (1848 to 1900), the early twentieth century (1900 to 1950), and the Modern Period (1950 to present). From an archaeological standpoint, all of these phases can be referred to together as the Ethnohistoric Period. This provides a valuable tool for archaeologists, as ethnohistory is directly concerned with the study of indigenous or non-Western peoples from a combined historical/anthropological viewpoint, which employs written documents,

oral narrative, material culture, and ethnographic data for analysis.

European exploration along the California coast began in 1542 with the landing of Juan Rodriguez Cabrillo and his men at San Diego Bay. Sixty years after the Cabrillo expeditions, an expedition under Sebastian Viscaíno made an extensive and thorough exploration of the Pacific coast. Although the voyage did not extend beyond the northern limits of the Cabrillo track, Viscaíno had the most lasting effect upon the nomenclature of the coast. Many of his place names have survived, whereas practically every one of the names created by Cabrillo have faded from use. For instance, Cabrillo named the first (now) United States port he stopped at "San Miguel"; 60 years later, Viscaíno changed it to "San Diego" (Rolle 1969). The early European voyages observed Native Americans living in villages along the coast but did not make any substantial, long-lasting impact. At the time of contact, the Luiseño population was estimated to have ranged from 4,000 to as many as 10,000 individuals (Bean and Shipek 1978; Kroeber 1976).

The historic background of the project area began with the Spanish colonization of Alta California. The first Spanish colonizing expedition reached southern California in 1769 with the intention of converting and civilizing the indigenous populations, as well as expanding the knowledge of and access to new resources in the region (Brigandi 1998). As a result, by the late eighteenth century, a large portion of southern California was overseen by Mission San Luis Rey (San Diego County), Mission San Juan Capistrano (Orange County), and Mission San Gabriel (Los Angeles County), who began colonizing the region and surrounding areas (Chapman 1921).

Native Californians may have first coalesced with Europeans around 1769 when the first Spanish mission was established in San Diego. In 1771, Friar Francisco Garces first searched the Californian desert for potential mission sites. Interactions between local tribes and Franciscan priests occurred by 1774 when Juan Bautista De Anza made an exploration of Alta California.

Serrano contact with the Europeans may have occurred as early as 1771 or 1772, but it was not until approximately 1819 that the Spanish directly influenced the culture. The Spanish established asistencias in San Bernardino, Pala, and Santa Ysabel. Between the founding of the asistencia and secularization in 1834, most of the Serranos in the San Bernardino Mountains were removed to the nearby missions (Beattie and Beattie 1951:366) while the Cahuilla maintained a high level of autonomy from Spain (Bean 1978).

Each mission gained power through the support of a large, subjugated Native American workforce. As the missions grew, livestock holdings increased and became increasingly vulnerable to theft. In order to protect their interests, the southern California missions began to expand inland to try and provide additional security (Beattie and Beattie 1939; Caughey 1970). In order to meet their needs, the Spaniards embarked upon a formal expedition in 1806 to find potential locations within what is now the San Bernardino Valley. As a result, by 1810, Father Francisco Dumetz of Mission San Gabriel had succeeded in establishing a religious site, or capilla, at a Cahuilla rancheria called Guachama (Beattie and Beattie 1939). San Bernardino Valley received its name from this site, which was dedicated to San Bernardino de Siena by Father Dumetz. The Guachama rancheria was located in present-day Bryn Mawr in San Bernardino

County.

These early colonization efforts were followed by the establishment of estancias at Puente (circa 1816) and San Bernardino (circa 1819) near Guachama (Beattie and Beattie 1939). These efforts were soon mirrored by the Spaniards from Mission San Luis Rey, who in turn established a presence in what is now Lake Elsinore, Temecula, and Murrieta (Chapman 1921). The indigenous groups who occupied these lands were recruited by missionaries, converted, and put to work in the missions (Pourade 1961). Throughout this period, the Native American populations were decimated by introduced diseases, a drastic shift in diet resulting in poor nutrition, and social conflicts due to the introduction of an entirely new social order (Cook 1976).

Mexico achieved independence from Spain in 1822 and became a federal republic in 1824. As a result, both Baja and Alta California became classified as territories (Rolle 1969). Shortly thereafter, the Mexican Republic sought to grant large tracts of private land to its citizens to begin to encourage immigration to California and to establish its presence in the region. Part of the establishment of power and control included the desecularization of the missions circa 1832. These same missions were also located on some of the most fertile land in California and, as a result, were considered highly valuable. The resulting land grants, known as "ranchos," covered expansive portions of California and by 1846, more than 600 land grants had been issued by the Mexican government. Rancho Jurupa was the first rancho to be established and was issued to Juan Bandini in 1838. Although Bandini primarily resided in San Diego, Rancho Jurupa was located in what is now Riverside County (Pourade 1963). A review of Riverside County place names quickly illustrates that many of the ranchos in Riverside County lent their names to present-day locations, including Jurupa, El Rincon, La Sierra, El Sobrante de San Jacinto, La Laguna (Lake Elsinore), Santa Rosa, Temecula, Pauba, San Jacinto Nuevo y Potrero, and San Jacinto Viejo (Gunther 1984). As was typical of many ranchos, these were all located in the valley environments within western Riverside County.

The treatment of Native Americans grew worse during the Rancho Period. Most of the Native Americans were forced off of their land or put to work on the now privately-owned ranchos, most often as slave labor. In light of the brutal ranchos, the degree to which Native Americans had become dependent upon the mission system is evident when, in 1838, a group of Native Americans from Mission San Luis Rey petitioned government officials in San Diego to relieve suffering at the hands of the rancheros:

> We have suffered incalculable losses, for some of which we are in part to be blamed for because many of us have abandoned the Mission … We plead and beseech you … to grant us a Rev. Father for this place. We have been accustomed to the Rev. Fathers and to their manner of managing the duties. We labored under their intelligent directions, and we were obedient to the Fathers according to the regulations, because we considered it as good for us. (Brigandi 1998:21)

Native American culture had been disrupted to the point where they could no longer rely upon prehistoric subsistence and social patterns. Not only does this illustrate how dependent the Native Americans had become upon the missionaries, but it also indicates a marked contrast in the way the Spanish treated the Native Americans as compared to the Mexican and United States ranchers. Spanish colonialism (missions) is based upon utilizing human resources while integrating them into their society. The ranchers, both Mexican and American, did not accept Native Americans into their social order and used them specifically for the extraction of labor, resources, and profit. Rather than being incorporated, they were either subjugated or exterminated (Cook 1976).

By 1846, tensions between the United States and Mexico had escalated to the point of war (Rolle 1969). In order to reach a peaceful agreement, the Treaty of Guadalupe Hidalgo was put into effect in 1848, which resulted in the annexation of California to the United States. Once California opened to the United States, waves of settlers moved in searching for gold mines, business opportunities, political opportunities, religious freedom, and adventure (Rolle 1969; Caughey 1970). By 1850, California had become a state and was eventually divided into 27 separate counties. While a much larger population was now settling in California, this was primarily in the central valley, San Francisco, and the Gold Rush region of the Sierra Nevada mountain range (Rolle 1969; Caughey 1970). During this time, southern California grew at a much slower pace than northern California and was still dominated by the cattle industry that was established during the earlier rancho period.

Although the first orange trees were planted in Riverside County circa 1871, it was not until a few years later when a small number of Brazilian navel orange trees were established that the citrus industry truly began in the region (Patterson 1971). The Brazilian navel orange was well suited to the climate of Riverside County and thrived with assistance from several extensive irrigation projects. At the close of 1882, an estimated half a million citrus trees were present in California, nearly half of which were estimated to be in Riverside County. Population growth and 1880s tax revenue from the booming citrus industry prompted the official formation of Riverside County in 1893 out of portions of what was once San Bernardino County (Patterson 1971).

General History of the City of Ontario

In late 1881, Canadian brothers George and William Chaffey (Plates 1.3–1 and 1.3–2) purchased 6,218 acres of land in the Cucamonga Desert known as the "San Antonio lands." The Chaffey brothers soon expanded to the Southern Pacific Railroad tracks on the south and into the San Antonio Canyon to the north (City of Ontario n.d.). The Chaffey brothers intended to establish a "model colony" for migrants coming to the region and named the area "Ontario" after their hometown. Before the land could be used, however, water had to be found and brought into the town. Because of this, George Chaffey laid miles of cement pipe leading from San Antonio Canyon, which was later tapped into by the San Antonio Water Company. The need for electric power to lift the water from the deep wells in San Antonio Canyon led to the establishment of the

first commercially successful hydroelectric plant in the country, the Ontario Power Company (City of Ontario n.d.).

Plate 1.3–1: George Chaffey. ***(Photograph courtesy of Ontario City Library, Robert E. Ellingwood Model Colony History Room)***

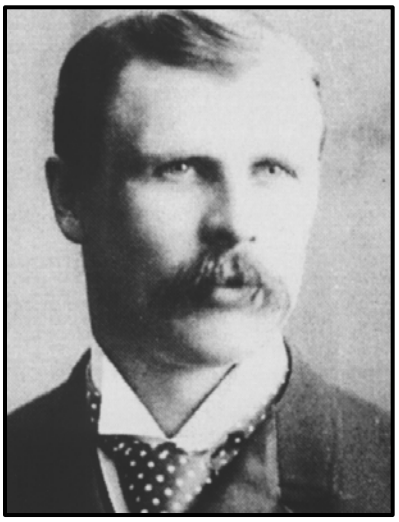


Plate 1.3–2: William Chaffey. ***(Photograph courtesy of the City of Ontario 2013)***

During the late nineteenth century, anyone purchasing land within the Ontario Colony automatically received shares in the water company, which ensured that water would be pumped to their property. This development aided in establishing agricultural properties, primarily citrus groves, within Ontario (Plate 1.3–3). The Ontario Colony was officially incorporated as a city in 1891 and continued to grow throughout the twentieth century (City of Ontario n.d.). The city became known for air flight after Judge Archie Mitchell, Waldo Waterman, and other airplane enthusiasts established Latimer Field in 1923. Urban growth pushed the airfield further and further east until it reached its present location, which currently functions as the Ontario International Airport. During World War II, the airport served as a busy training center for fighter jet pilots (City of Ontario n.d.).

Plate 1.3–1: 1887 view of the town of Ontario drawn by H.S. Crocker Co.
(Illustration courtesy of Vintage City Maps)

The dairy industry flourished in the agricultural areas surrounding Ontario from the 1950s through the 1980s. Concerned with what many viewed as a decline in suitable agricultural land, the County of San Bernardino Board of Supervisors designated 14,000 acres of agricultural land south and west of the city of Ontario as an "agricultural preserve" (City of Ontario 2006). With the dairy-friendly zoning in the southwest corner of San Bernardino County, many Dutch, Basque, and Portuguese families relocated to the region and became the cornerstone of the dairy industry. By the 1980s, the area was recognized as having more cows per acre and higher milk yields than anywhere else in the world (City of Ontario 2006). Starting in the late twentieth century, much of the preserve began to be annexed by neighboring cities due to a housing boom and increased operating costs for dairies. In 1999, 8,200 acres were annexed by the City of Ontario with the remaining land annexed by the either the City of Chino or Chino Hills. The portion annexed by the City of Ontario was labeled the "New Model Colony," creating a connection with the Chaffey brothers' original "Model Colony of Ontario" (Galvin and Associates 2004; City of Ontario 2006).

1.4 Results of the Archaeological Records Search

An archaeological records search was conducted by BFSA at the SCCIC at CSU Fullerton on May 18, 2022. Based on the records search results, 19 resources (all historic) have been recorded within one mile of the project (Table 1.4–1). These resources consist of the Southern Pacific Railroad alignment, the Euclid Avenue Railroad grade separation, a segment of Euclid

Avenue, six single-family residences, one restaurant, one ancillary structures, one motel, three commercial structures, one post office, one automotive repair garage, a 1980s marker for the historic DeAnza trail, and a mule car.

Table 1.4–1
Cultural Resources Within a One-Mile Radius of the Project

Site Number	Site Type
P-36-010330	Historic Southern Pacific Railroad
P-36-015979	Historic Euclid Avenue Railroad grade separation
P-36-015982	Historic Euclid Avenue
P-36-013937, P-36-013938, P-36-013940, P-36-013941, P-36-013944, and P-36-016233	Historic single-family residence
P-36-013939	Historic restaurant
P-36-013942	Historic ancillary structure
P-36-013943	Historic motel
P-36-016083, P-36-016223, and P-36-016226	Historic commercial structure
P-36-016288	Historic post office.
P-36-015862	Historic automotive repair garage
P-36-015980	1980s DeAnza Park Marker of the historic DeAnza Trail
P-36-015983	Historic mule car

The records search also identified 17 previous studies conducted within one mile of the project, none of which included the current project parcel. The complete SCCIC records search results can be found within Appendix B.

BFSA also requested a SLF search from the NAHC to search for the presence of any recorded Native American sacred sites or locations of religious or ceremonial importance within one mile of the project. This request is not part of any Assembly Bill (AB) 52 Native American consultation. The results of the search did not identify any potential sites or location of Native American importance within the project vicinity. All correspondence is provided in Appendix C.

The following historic sources were also reviewed by BFSA:

- The NRHP Index
- The Office of Historic Preservation (OHP), Archaeological Determinations of Eligibility (ADOE)
- The OHP, Built Environment Resources Directory (BERD)
- Historic USGS topographic maps (1897 through 1982)
- Historic aerial photographs (1938 through 2022)
- San Bernardino County Property Information Management System (PIMS) data.

The NRHP index, ADOE, and BERD did not identify any potential resources within the subject property. However, the historic maps and aerial photographs do show structures within the project possibly as early 1946, with structures associated with the current industrial/commercial development visible by within the property by 1949. The historic aerial photographs show that, in 1938, the property was primarily comprised of an agricultural field. At this time, what appears to be a driveway for a rural ranch complex situated adjacent to the northwest, extended through the northwest corner of the project. The subsequent aerial photograph shows that, in 1946, the property was still being utilized for agriculture. However, it appears the adjacent ranch complex buildings may have expanded into the subject property, with what appears to be an ancillary shed situated just within the far northwestern corner of the project. By 1949, an industrial building is located within the western portion of the project along South Bon View Avenue (Structure 1). Data from the San Bernardino County Property Information Management System (PIMS) indicates this structure was constructed in 1947. The next available aerial photograph from 1953 shows that the ancillary shed associated with the northwest adjacent complex had been removed from the project, while an "L-shaped" southern addition to Structure 1 is visible. By 1959, three additional structures are visible on the aerial photograph (Structures 2 through 4). According to the San Bernardino County PIMS data, Structures 2 and 3 were constructed in 1956 and Structure 4 was constructed sometime before 1960. The San Bernardino County PIMS also shows one additional structure was constructed on the property in 1959 within the northwest corner of the property at 621 South Bon View Avenue, which is visible on the 1960 aerial photograph (Structure 5). As such, by 1960, the property contained five structures (Plate 1.4–1). Subsequent photographs show an addition to Structure 2 between 1960 and 1966 and an addition to Structure 5 between 1966 and 1980. The San Bernardino County PIMS also indicates one additional structure (Structure 6) was constructed on the property in 2000. More recent aerial photographs show that between 2009 and 2011, Structure 4 was removed from the property.

A search of online newspaper databases shows that the property was originally associated with the Bestile Manufacturing Co. (Plate 1.4–2), with Structure 1 identified as the first building of a "new factory" for the company (*San Bernardino Sun* 1949). By 1949, the company had been in business in the Ontario region for 20 years, originally located at 419 South Sultana Avenue, approximately one-half-mile northwest of the current project. The company specialized in various products for the manufacture and maintenance of buildings specializing in plastic coated panels. The company had two trademarked nationally recognized brands and was described in 1949 as "a pioneer in developing the plastic panels or wall tiles" (*San Bernardino Sun* 1949). The United States Patent Office documentation shows a 1947 trademark application by the Bestile Manufacturing Co. for the "Alumiwall" brand and a 1964 trademark application for the "Theme Line" brand (USPTO 2022). Based upon the trademarked brands, Bestile Manufacturing Co. manufactured plastic-coated wall coverings, primarily made of aluminum, under the Alumiwall brand and various construction materials under the Theme Line brand (USPTO 2022).

Plate 1.4–1

1960 Aerial Photograph

The 627 Bon View Project

Plate 1.4–2: 1949 view of the Bestile Manufacturing Co. plant building (Structure 1).
(Photograph courtesy of San Bernardino County Sun 1949)

1.5 Applicable Regulations

Resource importance is assigned to districts, sites, buildings, structures, and objects that possess exceptional value or quality illustrating or interpreting the heritage of San Bernardino County in history, architecture, archaeology, engineering, and culture. A number of criteria are used in demonstrating resource importance. Specifically, the criteria outlined in CEQA, provide the guidance for making such a determination. The following sections detail the criteria that a resource must meet in order to be determined important.

1.5.1 California Environmental Quality Act

According to CEQA (§15064.5a), the term "historical resource" includes the following:

1) A resource listed in or determined to be eligible by the State Historical Resources Commission for listing in the California Register of Historic Resources (CRHR) (Public Resources Code SS5024.1, Title 14 CCR. Section 4850 et seq.).
2) A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code, or identified as significant in a historical resource survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
3) Any object, building, structure, site, area, place, record, or manuscript, which a lead agency determines to be historically significant or significant in the architectural,

engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered a historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the CRHR (Public Resources Code SS5024.1, Title 14, Section 4852) including the following:

a) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
b) Is associated with the lives of persons important in our past;
c) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
d) Has yielded, or may be likely to yield, information important in prehistory or history.

4) The fact that a resource is not listed in, or determined eligible for listing in the CRHR, not included in a local register of historical resources (pursuant to Section 5020.1[k] of the Public Resources Code), or identified in a historical resources survey (meeting the criteria in Section 5024.1(g) of the Public Resources Code) does not preclude a lead agency from determining that the resource may be a historical resource as defined in Public Resources Code Section 5020.1(j) or 5024.1.

According to CEQA (§15064.5b), a project with an effect that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment. CEQA defines a substantial adverse change as:

1) Substantial adverse change in the significance of a historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of a historical resource would be materially impaired.
2) The significance of a historical resource is materially impaired when a project:

a) Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in the CRHR; or
b) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the Public Resources Code or its

identification in a historical resources survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or,

c) Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the CRHR as determined by a lead agency for purposes of CEQA.

Section 15064.5(c) of CEQA applies to effects on archaeological sites and contains the following additional provisions regarding archaeological sites:

1) When a project will impact an archaeological site, a lead agency shall first determine whether the site is a historical resource, as defined in subsection (a).
2) If a lead agency determines that the archaeological site is a historical resource, it shall refer to the provisions of Section 21084.1 of the Public Resources Code, Section 15126.4 of the guidelines, and the limits contained in Section 21083.2 of the Public Resources Code do not apply.
3) If an archaeological site does not meet the criteria defined in subsection (a), but does meet the definition of a unique archaeological resource in Section 21083.2 of the Public Resources Code, the site shall be treated in accordance with the provisions of Section 21083.2. The time and cost limitations described in Public Resources Code Section 21083.2 (c-f) do not apply to surveys and site evaluation activities intended to determine whether the project location contains unique archaeological resources.
4) If an archaeological resource is neither a unique archaeological nor historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment. It shall be sufficient that both the resource and the effect on it are noted in the Initial Study or Environmental Impact Report, if one is prepared to address impacts on other resources, but they need not be considered further in the CEQA process.

Section 15064.5(d) and (e) contain additional provisions regarding human remains. Regarding Native American human remains, paragraph (d) states:

(d) When an Initial Study identifies the existence of, or the probable likelihood of, Native American human remains within the project, a lead agency shall work with the appropriate Native Americans as identified by the NAHC as provided in Public Resources Code SS5097.98. The applicant may develop an agreement for treating or disposing of, with appropriate dignity, the human remains and any items associated

with Native American burials with the appropriate Native Americans as identified by the NAHC. Action implementing such an agreement is exempt from:

1) The general prohibition on disinterring, disturbing, or removing human remains from any location other than a dedicated cemetery (Health and Safety Code Section 7050.5).
2) The requirements of CEQA and the Coastal Act.

2.0 RESEARCH DESIGN

The primary goal of the research design is to attempt to understand the way in which humans have used the land and resources within the project through time, as well as to aid in the determination of resource significance. For the current project, the study area under investigation is southwestern San Bernardino County. The scope of work for the cultural resources study conducted for the 627 Bon View Project included the survey of a 10.06-acre study area. Given the area involved, the research design for this project was focused upon realistic study options. Since the main objective of the investigation was to identify the presence of and potential impacts to cultural resources, the goal here is not necessarily to answer wide-reaching theories regarding the development of early southern California, but to investigate the role and importance of identified resources. The assessment of the significance of a resource must take into consideration a variety of factors, as well as the ability of a resource to address regional research topics and issues.

Although elementary resource evaluation programs are limited in terms of the amount of information available, several specific research questions were developed that could be used to guide the initial investigations of any observed cultural resources. The following research questions consider the small size and location of the project discussed above.

Research Questions:

- Can located cultural resources be associated with a specific time period, population, or individual?
- Do the types of any located cultural resources allow a site activity/function to be determined from a preliminary investigation? What are the site activities? What is the site function? What resources were exploited?
- How do located sites compare to others reported from different surveys conducted in the area?
- How do located sites fit existing models of settlement and subsistence for mountainous environments of the region?

Data Needs

At the survey level, the principal research objective is a generalized investigation of changing settlement patterns in both the prehistoric and historic periods within the study area. The overall goal is to understand settlement and resource procurement patterns of the project occupants. Therefore, adequate information on site function, context, and chronology from an archaeological perspective is essential for the investigation. The fieldwork and archival research were undertaken with the following primary research goals in mind:

1) To identify cultural resources occurring within the project;
2) To determine, if possible, site type and function, context of the resource(s), and chronological placement of each cultural resource identified;
3) To place each cultural resource identified within a regional perspective; and
4) To provide recommendations for the treatment of each cultural resources identified.

3.0 ANALYSIS OF PROJECT EFFECTS

The cultural resources study of the project site consisted of an institutional records search, archival research, an intensive cultural resource survey of the 10.06-acre study area, and the preparation of this technical report. This study was conducted in conformance with Section 21083.2 of the California Public Resources Code, and CEQA. Statutory requirements of CEQA (Section 15064.5) were followed for the identification and evaluation of resources. Specific definitions for archaeological resource type(s) used in this report are those established by the State Historic Preservation Office (SHPO 1995).

3.1 Survey Methods

The survey methodology employed during the current investigation followed standard archaeological field procedures and was sufficient to accomplish a thorough assessment of the project. The field methodology employed for the project included walking evenly spaced survey transects set approximately 10-meters apart while visually inspecting the ground surface. All potentially sensitive areas where cultural resources might be located were closely inspected. Photographs documenting survey areas and overall survey conditions were taken frequently.

3.2 Results of the Field Survey

Staff archaeologist David Grabski conducted the archaeological survey for 627 Bon View Project on May 10, 2022. At the time of the survey, the property was primarily characterized as previously developed with structures noted throughout the project. Further, although the property had most recently been utilized as a commercial/industrial storage yard for boats and recreational vehicles, at the time of the survey, most of the property appeared vacant (Plate 3.2–1). The project primarily was covered in hardscape, commercial landscaping, and other ground covering, which limited visibility of the natural ground surface; however, an open storage yard containing various non-native weeds was noted in the southeastern corner of the project (Plate 3.2–2).

During the survey, no archaeological resources were identified. However, four historic buildings (Structures 1 to 3 and 5 on Plate 1.4–1) were noted during the survey (Figure 3.2–1; Plates 3.2–3 to 3.2–6). The field survey confirmed that the structure shown as Structure 4 on Plate 1.1–4 had been demolished (see Plate 3.2–5). One additional building (Structure 6) was noted during the survey (Plate 3.2–7); however, this building was constructed in 2000 according to aerial photographs and is therefore not considered historic.

Plate 3.2–1: Overview of the project, facing north.

Plate 3.2–2: Overview of the southeastern storage area, facing north.

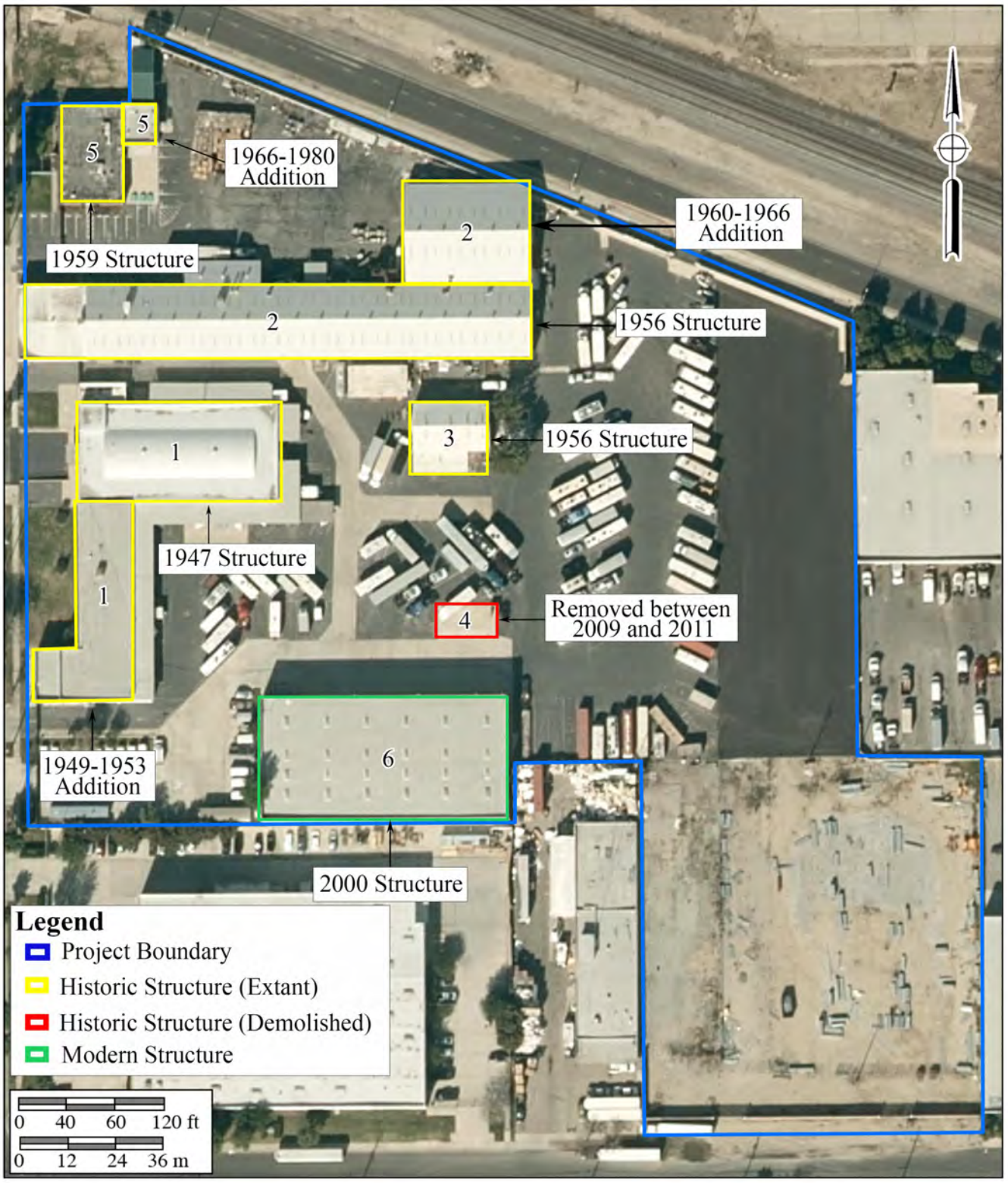


Figure 3.2–1

Historic-Period Structure Location Map

The 627 Bon View Project

Plate 3.2–3: View of Structure 1, facing northeast.

Plate 3.2–4: View of Structure 2, facing east.

Plate 3.2–5: Overview of Structure 1 (left), Structure 2 (behind), and Structure 3 (right), with the former location of Structure 4 in the foreground, facing northwest.

Plate 3.2–6: View of Structure 5, facing north.

Plate 3.2–7: Overview of Structure 6 (modern), facing east.

The field survey identified multiple historic period structures which appear to originally be associated the Bestile Manufacturing Company. Collectively, the structures comprise one historic-era resouce associated with this business oprtation. The evaluation of the structures was not undertaken as part of this cultural resources survey. Whether or not the structures individually or collectively represent significant historic structures or resources eligible for the CRHR would require a historical assessment report.

4.0 RECOMMENDATIONS

The Phase I archaeological assessment for the 627 Bon View Project identified four historic-period structures within the project. Cursory research has revealed these buildings are associated with the Bestile Manufacturing Co. Further, the preliminary research has shown that the Bestile Manufacturing Co was viewed as an important local company in the late 1940s when the current property began to be developed (*San Bernardino Sun* 1949). While these buildings meet the age threshold to be historic, it is not yet determined whether the structures are historically significant. In order to determine if the proposed project constitutes a potential impact to historical resources, as defined by CEQA, the historic-era structures must be evaluated to determine if they are significant or eligible for the CRHR.

In order to accurately evaluate the structures within the 627 Bon View Project and to assess the project development's potential impacts on them, additional study is required to augment the level of work currently completed. Because the structures meet the age threshold (50 years) to be identified as potentially historic, the resource evaluation process should focus on more in-depth historic research and structure evaluations in the form of a Historic Structure Assessment (HSA). The scope of the HSA should provide the dates of construction of the structures and any major modification, better trace the ownership and different uses of the structures, conduct thorough photo documentation, and prepare an architectural description of each historic-era structure, evaluate the structures for inclusion in the CRHR, and formally record the structures with the SCCIC. As such, the goal of the evaluation study is to determine if any of the structures are individually or collectively eligible for listing on the CRHR, and if that is the case, what mitigation measures are needed to reduce the level of impacts associated with the proposed development.

5.0 LIST OF PREPARERS AND ORGANIZATIONS CONTACTED

The archaeological survey program for the 627 Bon View Project was directed by Principal Investigator Brian F. Smith. The archaeological fieldwork was conducted by staff archaeologist David Grabski. The archaeological records search was conducted by Project Archaeologist Andrew Garrison at the SCCIC at CSU Fullerton on May 18, 2022. The report text was prepared by Andrew Garrison and Brian Smith. Report graphics were provided by Emily Soong. Technical editing and report production were conducted by Courtney McNair.

6.0 REFERENCES CITED

Antevs, Ernst
1953 The Postpluvial or the Neothermal. *University of California Archaeological Survey Reports* 22:9–23. Berkeley, California.

Bean, Lowell John
1978 Cahuilla. In *California*, edited by R.F. Heizer, pp. 575–587. Handbook of North American Indians, Vol. 8. William C. Sturtevant, general editor, Smithsonian Institution, Washington, D.C.

Bean, Lowell John and Charles R. Smith
1978 Serrano. In *California,* edited by R.F. Heizer, pp. 570–574. Handbook of North American Indians, Vol. 8. William C. Sturtevant, general editor, Smithsonian Institution, Washington, D.C.

Bean, Lowell John and Florence C. Shipek
1978 Luiseño. In *California*, edited by Robert F. Heizer, pp. 550–563. Handbook of North American Indians, Vol. 8. William C. Sturtevant, general editor, Smithsonian Institution, Washington, D.C.

Beattie, George W. and Helen P. Beattie
1951 *Heritage of the Valley: San Bernardino's First Century*. Biobooks, Oakland, California.

Benedict, Ruth Fulton
1924 A Brief Sketch of Serrano Culture. *American Anthropologist* 26(3).

Brigandi, Phil
1998 *Temecula: At the Crossroads of History*. Heritage Media Corporation, Encinitas, California.

Caughey, John W.
1970 *California: A Remarkable State's Life History.* 3rd ed. Prentice-Hall, Englewood Cliffs, New Jersey.

Chapman, Charles E.
1921 *A History of California: The Spanish Period*. The Macmillan Company, New York

City of Ontario
N.d. Facts &History. Electronic document, https://www.ontarioca.gov/FactsAndHistory, accessed February 8, 2021.

2006 Environmental Impact Report for Subarea 29 (Hettinga) Specific Plan, City of Ontario, San Bernardino County, California. City of Ontario with Albert A. Webb Associates.

Unpublished report on file at the City of Ontario, California.

Cook, Sherburne F.
1976 *The Conflict Between the California Indian and White Civilization*. University of California Press, Berkeley and Los Angeles, California.

Curray, Joseph R.
1965 Late Quaternary History: Continental Shelves of the United States. *Quaternary of the United States*, edited by H.E. Wright Jr. and D.G. Frey, pp. 723–735. Princeton University Press, New Jersey.

Drucker, Philip
1937 Culture Element Distributions: V. Southern California. *Anthropological Records* 1(1):1–52. University of California, Berkeley.

Erlandson, John M. and Roger H. Colten (editors)
1991 An Archaeological Context for Archaeological Sites on the California Coast. In *Hunter-Gatherers of Early Holocene Coastal California*, edited by J.M. Erlandson and R.H. Colten. Perspectives in California Archaeology, Volume 1, Institute of Archaeology, University of California, Los Angeles.

Fagan, Brian M.
1991 *Ancient North America: The Archaeology of a Continent*. Thames and Hudson, London.

Gallegos, Dennis
1985 Batiquitos Lagoon Revisited. In *Cultural Resource Management Casual Papers* 2(1). Department of Anthropology, San Diego State University.

2002 Southern California in Transition: Late Holocene Occupation of Southern San Diego County. In *Catalysts to Complexity: Late Holocene Societies of the California Coast*, edited by Jon M. Erlandson and Terry Jones. Cotsen Institute of Archaeology, University of California, Los Angeles.

Galvin and Associates
2004 The City of Ontario's Historic Context for the New Model Colony Area. Unpublished report on file at the City of Ontario, Ontario, California.

Gunther, Jane Davies
1984 *Riverside County, California, Place Names: Their Origins and Their Stories.* Rubidoux Printing, Riverside, California.

Heizer, Robert F.
1978 Trade and Trails. In *California*, edited by Robert F. Heizer, pp. 690–693. Handbook of North American Indians, Vol. 8. William C. Sturtevant, general editor, Smithsonian

Institution, Washington, D.C.

Inman, Douglas L.
1983 Application of Coastal Dynamics to the Reconstruction of Paleocoastlines in the Vicinity of La Jolla, California. *Quaternary Coastlines and Marine Archaeology*, edited by Patricia M. Masters and N.C. Flemming, pp. 1–49. Academic Press, Inc., Orlando, Florida.

King, Chester DeWitt and Thomas C. Blackburn
1978 Tataviam. In *California*, edited by Robert F. Heizer. Handbook of North American Indians, Vol. 8. William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

Kroeber, Alfred L.
1976 *Handbook of the Indians of California*. Reprinted. Dover Editions, Dover Publications, Inc., New York. Originally published 1925, Bulletin No. 78, U.S. Government Printing Office, Washington, D.C.

Martin, Paul S.
1967 Prehistoric Overkill. In *Pleistocene Extinctions: The Search for a Cause*, edited by Paul S. Martin and H.E. Wright. Yale University Press, New Haven, Connecticut.

Masters, Patricia M.
1983 Detection and Assessment of Prehistoric Artifact Sites off the Coast of Southern California. In *Quaternary Coastlines and Marine Archaeology: Towards the Prehistory of Land Bridges and Continental Shelves*, edited by Patricia M. Masters and Nicholas C. Fleming, pp. 189–213. Academic Press, London.

1994 *Archaeological Investigations at Five Sites on the Lower San Luis Rey River, San Diego County, California*, edited by Michael Moratto, pp. A1-A19. INFOTEC Research, Inc., Fresno, California and Gallegos and Associates, Pacific Palisades, California.

Miller, Jaquelin Neva
1966 *The Present and Past Molluscan Faunas and Environments of Four Southern California Coastal Lagoons.* Master's thesis, Scripps Institution of Oceanography, University of California at San Diego.

Moratto, Michael J.
1984 *California Archaeology*. Academic Press, New York.

Morton, D.M. and F.K. Miller
2006 Geologic map of the San Bernardino and Santa Ana 30' x 60' quadrangles, California: U.S. Geological Survey Open-File Report 06-1217, scale 1:100,000.

Moss, Madonna L. and Jon M. Erlandson
1995 Reflections on North American Pacific Coast Prehistory. *Journal of World Prehistory*

Patterson, Tom
1971 *A Colony for California: Riverside's First Hundred Years.* Press-Enterprise, Riverside, California.

Pourade, Richard F.
1961 *Time of the Bells*. The History of San Diego Volume 2. Union-Tribune Publishing Company, San Diego, California.

1963 The Silver Dons. In *The History of San Diego* (Volume 3). Union-Tribune Publishing Company, San Diego, California.

Reddy, Seetha
2000 Settling the Highlands: Late Holocene Highland Adaptations on Camp Pendleton, San Diego County California. Prepared for the Army Corps of Engineers by ASM Affiliates. Manuscript on file at South Coastal Information Center at San Diego State University, San Diego, California.

Rogers, Malcolm
1929 Archaeological Field Work in North America During 1928, California. *American Anthropologist* 31(2):340–341.

Rolle, Andrew F.
1969 *California: A History*. 2nd ed. Thomas Y. Crowell Company, New York.

San Bernardino County Sun
1949 Bestile Manufacturing Co. Completes 20 Years of Making Plastic Wall Panels for Homes and Commercial Buildings. 27 March: 28. San Bernardino, California.

Smith, Francesca
1978 Archaeological Site Form: CA-SBR-7168H. On file at the Eastern Information Center at the University of California at Riverside, Riverside, California.

State Historic Preservation Office (SHPO)
1995 *Instructions for Recording Historical Resources*. Office of Historic Preservation, Sacramento.

Strong, William Duncan
1971 Aboriginal Society in Southern California. Reprint of 1929 *Publications in American Archaeology and Ethnology* No. 26, University of California, Berkeley.

United States Patent and Trademark Office (USPTO)
2022 Bestile Manufacturing Company Theme Line Application #72199531. Electronic

document, https://uspto.report/TM/72199531, accessed August 3, 2022.

Van Devender, Thomas R. and W. Geoffrey Spaulding

1979 Development of Vegetation and Climate in the Southwestern United States. *Science* 204(4394):701–710.

Warren, Claude N. and M.G. Pavesic

1963 Shell Midden Analysis of Site SDI-603 and Ecological Implications for Cultural Development of Batiquitos Lagoon, San Diego County, Los Angeles. *University of California, Los Angeles, Archaeological Survey Annual Report* 1960-1961:246–338.

Wirths, Todd A.

2022 Paleontological Assessment for the 627 Bon View Project, City of Ontario, San Bernardino County, California. Brian F. Smith and Associates, Inc. Report in progress.

APPENDIX A

Resumes of Key Personnel

Brian F. Smith, MA

Owner, Principal Investigator

Brian F. Smith and Associates, Inc.
14010 Poway Road • Suite A •
Phone: (858) 679-8218 • Fax: (858) 679-9896 • E-Mail: bsmith@bfsa-ca.com

Education

Master of Arts, History, University of San Diego, California	1982
Bachelor of Arts, History, and Anthropology, University of San Diego, California	1975

Professional Memberships

Society for California Archaeology

Experience

Principal Investigator — 1977–Present
Brian F. Smith and Associates, Inc. — Poway, California

Brian F. Smith is the owner and principal historical and archaeological consultant for Brian F. Smith and Associates. Over the past 32 years, he has conducted over 2,500 cultural resource studies in California, Arizona, Nevada, Montana, and Texas. These studies include every possible aspect of archaeology from literature searches and large-scale surveys to intensive data recovery excavations. Reports prepared by Mr. Smith have been submitted to all facets of local, state, and federal review agencies, including the US Army Corps of Engineers, the Bureau of Land Management, the Bureau of Reclamation, the Department of Defense, and the Department of Homeland Security. In addition, Mr. Smith has conducted studies for utility companies (Sempra Energy) and state highway departments (CalTrans).

Professional Accomplishments

These selected major professional accomplishments represent research efforts that have added significantly to the body of knowledge concerning the prehistoric life ways of cultures once present in the southern California area and historic settlement since the late 18th century. Mr. Smith has been principal investigator on the following select projects, except where noted.

Downtown San Diego Mitigation and Monitoring Reporting Programs: Large numbers of downtown San Diego mitigation and monitoring projects, some of which included Broadway Block (2019), 915 Grape Street (2019), 1919 Pacific Highway (2018), Moxy Hotel (2018), Makers Quarter Block D (2017), Ballpark Village (2017), 460 16th Street (2017), Kettner and Ash (2017), Bayside Fire Station (2017), Pinnacle on the Park (2017), IDEA1 (2016), Blue Sky San Diego (2016), Pacific Gate (2016), Pendry Hotel (2015), Cisterra Sempra Office Tower (2014), 15th and Island (2014), Park and G (2014), Comm 22 (2014), 7th and F Street Parking (2013), Ariel Suites (2013), 13th and Marker (2012), Strata (2008), Hotel Indigo (2008), Lofts at 707 10th Avenue Project (2007), Breeza (2007), Bayside at the Embarcadero (2007), Aria (2007), Icon (2007), Vantage Pointe (2007), Aperture (2007), Sapphire Tower (2007), Lofts at 655 Sixth Avenue (2007), Metrowork (2007), The Legend (2006), The Mark (2006), Smart Corner (2006), Lofts at 677 7th Avenue (2005), Aloft on Cortez Hill (2005), Front and Beech Apartments (2003), Bella Via Condominiums (2003), Acqua Vista Residential Tower (2003), Northblock Lofts (2003), Westin Park Place Hotel (2001), Parkloft

Apartment Complex (2001), Renaissance Park (2001), and Laurel Bay Apartments (2001).

1900 and 1912 Spindrift Drive: An extensive data recovery and mitigation monitoring program at the Spindrift Site, an important prehistoric archaeological habitation site stretching across the La Jolla area. The project resulted in the discovery of over 20,000 artifacts and nearly 100,000 grams of bulk faunal remains and marine shell, indicating a substantial occupation area (2013-2014).

San Diego Airport Development Project: An extensive historic assessment of multiple buildings at the San Diego International Airport and included the preparation of Historic American Buildings Survey documentation to preserve significant elements of the airport prior to demolition (2017-2018).

Citracado Parkway Extension: A still-ongoing project in the city of Escondido to mitigate impacts to an important archaeological occupation site. Various archaeological studies have been conducted by BFSA resulting in the identification of a significant cultural deposit within the project area.

Westin Hotel and Timeshare (Grand Pacific Resorts): Data recovery and mitigation monitoring program in the city of Carlsbad consisted of the excavation of 176 one-square-meter archaeological data recovery units which produced thousands of prehistoric artifacts and ecofacts, and resulted in the preservation of a significant prehistoric habitation site. The artifacts recovered from the site presented important new data about the prehistory of the region and Native American occupation in the area (2017).

The Everly Subdivision Project: Data recovery and mitigation monitoring program in the city of El Cajon resulted in the identification of a significant prehistoric occupation site from both the Late Prehistoric and Archaic Periods, as well as producing historic artifacts that correspond to the use of the property since 1886. The project produced an unprecedented quantity of artifacts in comparison to the area encompassed by the site, but lacked characteristics that typically reflect intense occupation, indicating that the site was used intensively for food processing (2014-2015).

Ballpark Village: A mitigation and monitoring program within three city blocks in the East Village area of San Diego resulting in the discovery of a significant historic deposit. Nearly 5,000 historic artifacts and over 500,000 grams of bulk historic building fragments, food waste, and other materials representing an occupation period between 1880 and 1917 were recovered (2015-2017).

Archaeology at the Padres Ballpark: Involved the analysis of historic resources within a seven-block area of the "East Village" area of San Diego, where occupation spanned a period from the 1870s to the 1940s. Over a period of two years, BFSA recovered over 200,000 artifacts and hundreds of pounds of metal, construction debris, unidentified broken glass, and wood. Collectively, the Ballpark Project and the other downtown mitigation and monitoring projects represent the largest historical archaeological program anywhere in the country in the past decade (2000-2007).

4S Ranch Archaeological and Historical Cultural Resources Study: Data recovery program consisted of the excavation of over 2,000 square meters of archaeological deposits that produced over one million artifacts, containing primarily prehistoric materials. The archaeological program at 4S Ranch is the largest archaeological study ever undertaken in the San Diego County area and has produced data that has exceeded expectations regarding the resolution of long-standing research questions and regional prehistoric settlement patterns.

Charles H. Brown Site: Attracted international attention to the discovery of evidence of the antiquity of man in North America. Site located in Mission Valley, in the city of San Diego.

Del Mar Man Site: Study of the now famous Early Man Site in Del Mar, California, for the San Diego Science Foundation and the San Diego Museum of Man, under the direction of Dr. Spencer Rogers and Dr. James R. Moriarty.

Old Town State Park Projects: Consulting Historical Archaeologist. Projects completed in the Old Town State Park involved development of individual lots for commercial enterprises. The projects completed in Old Town include Archaeological and Historical Site Assessment for the Great Wall Cafe (1992), Archaeological Study for the Old Town Commercial Project (1991), and Cultural Resources Site Survey at the Old San Diego Inn (1988).

Site W-20, Del Mar, California: A two-year-long investigation of a major prehistoric site in the Del Mar area of the city of San Diego. This research effort documented the earliest practice of religious/ceremonial activities in San Diego County (circa 6,000 years ago), facilitated the projection of major non-material aspects of the La Jolla Complex, and revealed the pattern of civilization at this site over a continuous period of 5,000 years. The report for the investigation included over 600 pages, with nearly 500,000 words of text, illustrations, maps, and photographs documenting this major study.

City of San Diego Reclaimed Water Distribution System: A cultural resource study of nearly 400 miles of pipeline in the city and county of San Diego.

Master Environmental Assessment Project, City of Poway: Conducted for the City of Poway to produce a complete inventory of all recorded historic and prehistoric properties within the city. The information was used in conjunction with the City's General Plan Update to produce a map matrix of the city showing areas of high, moderate, and low potential for the presence of cultural resources. The effort also included the development of the City's Cultural Resource Guidelines, which were adopted as City policy.

Draft of the City of Carlsbad Historical and Archaeological Guidelines: Contracted by the City of Carlsbad to produce the draft of the City's historical and archaeological guidelines for use by the Planning Department of the City.

The Mid-Bayfront Project for the City of Chula Vista: Involved a large expanse of undeveloped agricultural land situated between the railroad and San Diego Bay in the northwestern portion of the city. The study included the analysis of some potentially historic features and numerous prehistoric

Cultural Resources Survey and Test of Sites Within the Proposed Development of the Audie Murphy Ranch, Riverside County, California: Project manager/director of the investigation of 1,113.4 acres and 43 sites, both prehistoric and historic—included project coordination; direction of field crews; evaluation of sites for significance based on County of Riverside and CEQA guidelines; assessment of cupule, pictograph, and rock shelter sites, co-authoring of cultural resources project report. February- September 2002.

Cultural Resources Evaluation of Sites Within the Proposed Development of the Otay Ranch Village 13 Project, San Diego County, California: Project manager/director of the investigation of 1,947 acres and 76 sites, both prehistoric and historic—included project coordination and budgeting; direction of field crews; assessment of sites for significance based on County of San Diego and CEQA guidelines; co-authoring of cultural resources project report. May-November 2002.

Cultural Resources Survey for the Remote Video Surveillance Project, El Centro Sector, Imperial County: Project manager/director for a survey of 29 individual sites near the U.S./Mexico Border for proposed video surveillance camera locations associated with the San Diego Border barrier Project—project coordination and budgeting; direction of field crews; site identification and recordation; assessment of potential impacts to cultural resources; meeting and coordinating with U.S. Army Corps of Engineers, U.S. Border Patrol, and other government agencies involved; co-authoring of cultural resources project report. January, February, and July 2002.

Cultural Resources Survey and Test of Sites Within the Proposed Development of the Menifee West GPA, Riverside County, California: Project manager/director of the investigation of nine sites, both prehistoric and historic—included project coordination and budgeting; direction of field crews; assessment of sites

for significance based on County of Riverside and CEQA guidelines; historic research; co-authoring of cultural resources project report. January-March 2002.

Cultural Resources Survey and Test of Sites Within the Proposed French Valley Specific Plan/EIR, Riverside County, California: Project manager/director of the investigation of two prehistoric and three historic sites—included project coordination and budgeting; survey of project area; Native American consultation; direction of field crews; assessment of sites for significance based on CEQA guidelines; cultural resources project report in prep. July-August 2000.

Cultural Resources Survey and Test of Sites Within the Proposed Development of the Menifee Ranch, Riverside County, California: Project manager/director of the investigation of one prehistoric and five historic sites—included project coordination and budgeting; direction of field crews; feature recordation; historic structure assessments; assessment of sites for significance based on CEQA guidelines; historic research; co-authoring of cultural resources project report. February-June 2000.

Salvage Mitigation of a Portion of the San Diego Presidio Identified During Water Pipe Construction for the City of San Diego, California: Project archaeologist/director—included direction of field crews; development and completion of data recovery program; management of artifact collections cataloging and curation; data synthesis and authoring of cultural resources project report in prep. April 2000.

Enhanced Cultural Resource Survey and Evaluation for the Tyrian 3 Project, La Jolla, California: Project manager/director of the investigation of a single-dwelling parcel—included project coordination; assessment of parcel for potentially buried cultural deposits; authoring of cultural resources project report. April 2000.

Enhanced Cultural Resource Survey and Evaluation for the Lamont 5 Project, Pacific Beach, California: Project manager/director of the investigation of a single-dwelling parcel—included project coordination; assessment of parcel for potentially buried cultural deposits; authoring of cultural resources project report. April 2000.

Enhanced Cultural Resource Survey and Evaluation for the Reiss Residence Project, La Jolla, California: Project manager/director of the investigation of a single-dwelling parcel—included project coordination; assessment of parcel for potentially buried cultural deposits; authoring of cultural resources project report. March-April 2000.

Salvage Mitigation of a Portion of Site SDM-W-95 (CA-SDI-211) for the Poinsettia Shores Santalina Development Project and Caltrans, Carlsbad, California: Project archaeologist/ director—included direction of field crews; development and completion of data recovery program; management of artifact collections cataloging and curation; data synthesis and authoring of cultural resources project report in prep. December 1999-January 2000.

Survey and Testing of Two Prehistoric Cultural Resources for the Airway Truck Parking Project, Otay Mesa, California: Project archaeologist/director—included direction of field crews; development and completion of testing recovery program; assessment of site for significance based on CEQA guidelines; authoring of cultural resources project report, in prep. December 1999-January 2000.

Cultural Resources Phase I and II Investigations for the Tin Can Hill Segment of the Immigration and Naturalization Services Triple Fence Project Along the International Border, San Diego County, California: Project manager/director for a survey and testing of a prehistoric quarry site along the border—NRHP eligibility assessment; project coordination and budgeting; direction of field crews; feature recordation; meeting and coordinating with U.S. Army Corps of Engineers; co-authoring of cultural resources project report. December 1999-January 2000.

Mitigation of a Prehistoric Cultural Resource for the Westview High School Project for the City of San Diego, California: Project archaeologist/ director—included direction of field crews; development and completion of data recovery program including collection of material for specialized faunal and botanical analyses; assessment of sites for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; co-authoring of cultural resources project report, in prep. October 1999-January 2000.

Mitigation of a Prehistoric Cultural Resource for the Otay Ranch SPA-One West Project for the City of Chula Vista, California: Project archaeologist/director—included direction of field crews; development of data recovery program; management of artifact collections cataloging and curation; assessment of site for significance based on CEQA guidelines; data synthesis; authoring of cultural resources project report, in prep. September 1999-January 2000.

Monitoring of Grading for the Herschel Place Project, La Jolla, California: Project archaeologist/ monitor—included monitoring of grading activities associated with the development of a single- dwelling parcel. September 1999.

Survey and Testing of a Historic Resource for the Osterkamp Development Project, Valley Center, California: Project archaeologist/ director—included direction of field crews; development and completion of data recovery program; budget development; assessment of site for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; authoring of cultural resources project report. July-August 1999.

Survey and Testing of a Prehistoric Cultural Resource for the Proposed College Boulevard Alignment Project, Carlsbad, California: Project manager/director —included direction of field crews; development and completion of testing recovery program; assessment of site for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; authoring of cultural resources project report, in prep. July-August 1999.

Survey and Evaluation of Cultural Resources for the Palomar Christian Conference Center Project, Palomar Mountain, California: Project archaeologist—included direction of field crews; assessment of sites for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; authoring of cultural resources project report. July-August 1999.

Survey and Evaluation of Cultural Resources at the Village 2 High School Site, Otay Ranch, City of Chula Vista, California: Project manager/director —management of artifact collections cataloging and curation; assessment of site for significance based on CEQA guidelines; data synthesis; authoring of cultural resources project report. July 1999.

Cultural Resources Phase I, II, and III Investigations for the Immigration and Naturalization Services Triple Fence Project Along the International Border, San Diego County, California: Project manager/director for the survey, testing, and mitigation of sites along border—supervision of multiple field crews, NRHP eligibility assessments, Native American consultation, contribution to Environmental Assessment document, lithic and marine shell analysis, authoring of cultural resources project report. August 1997- January 2000.

Phase I, II, and II Investigations for the Scripps Poway Parkway East Project, Poway California: Project archaeologist/project director—included recordation and assessment of multicomponent prehistoric and historic sites; direction of Phase II and III investigations; direction of laboratory analyses including prehistoric and historic collections; curation of collections; data synthesis; coauthorship of final cultural resources report. February 1994; March-September 1994; September-December 1995.

Andrew J. Garrison, MA, RPA

Project Archaeologist

Brian F. Smith and Associates, Inc.
14010 Poway Road • Suite A •
Phone: (858) 679-8218 • Fax: (858) 679-9896 • E-Mail: agarrison@bfsa-ca.com

Education

Master of Arts, Public History, University of California, Riverside	2009
Bachelor of Science, Anthropology, University of California, Riverside	2005
Bachelor of Arts, History, University of California, Riverside	2005

Professional Memberships

Register of Professional Archaeologists
Society for California Archaeology
Society for American Archaeology
California Council for the Promotion of History
Society of Primitive Technology
Lithic Studies Society
California Preservation Foundation
Pacific Coast Archaeological Society

Experience

Project Archaeologist — June 2017–Present
Brian F. Smith and Associates, Inc. — Poway, California

Project management of all phases of archaeological investigations for local, state, and federal agencies including National Register of Historic Places (NRHP) and California Environmental Quality Act (CEQA) level projects interacting with clients, sub-consultants, and lead agencies. Supervise and perform fieldwork including archaeological survey, monitoring, site testing, comprehensive site records checks, and historic building assessments. Perform and oversee technological analysis of prehistoric lithic assemblages. Author or co-author cultural resource management reports submitted to private clients and lead agencies.

Senior Archaeologist and GIS Specialist — 2009–2017
Scientific Resource Surveys, Inc. — Orange, California

Served as Project Archaeologist or Principal Investigator on multiple projects, including archaeological monitoring, cultural resource surveys, test excavations, and historic building assessments. Directed projects from start to finish, including budget and personnel hours proposals, field and laboratory direction, report writing, technical editing, Native American consultation, and final report submittal. Oversaw all GIS projects including data collection, spatial analysis, and map creation.

Preservation Researcher — 2009
City of Riverside Modernism Survey — Riverside, California

Completed DPR Primary, District, and Building, Structure and Object Forms for five sites for a grant-funded project to survey designated modern architectural resources within the City of Riverside.

Information Officer — 2005, 2008–2009
Eastern Information Center (EIC), University of California, Riverside — Riverside, California

Processed and catalogued restricted and unrestricted archaeological and historical site record forms. Conducted research projects and records searches for government agencies and private cultural resource firms.

Reports/Papers

2019 A Class III Archaeological Study for the Tuscany Valley (TM 33725) Project National Historic Preservation Act Section 106 Compliance, Lake Elsinore, Riverside County, California. Contributing author. Brian F. Smith and Associates, Inc.

2019 A Phase I and II Cultural Resources Assessment for the Jack Rabbit Trail Logistics Center Project, City of Beaumont, Riverside County, California. Brian F. Smith and Associates, Inc.

2019 A Phase I Cultural Resources Assessment for the 10575 Foothill Boulevard Project, Rancho Cucamonga, California. Brian F. Smith and Associates, Inc.

2019 Cultural Resources Study for the County Road and East End Avenue Project, City of Chino, San Bernardino County, California. Brian F. Smith and Associates, Inc.

2019 Phase II Cultural Resource Study for the McElwain Project, City of Murrieta, California. Contributing author. Brian F. Smith and Associates, Inc.

2019 A Section 106 (NHPA) Historic Resources Study for the McElwain Project, City of Murrieta, Riverside County, California. Brian F. Smith and Associates, Inc.

2018 Cultural Resource Monitoring Report for the Sewer Group 818 Project, City of San Diego. Brian F. Smith and Associates, Inc.

2018 Phase I Cultural Resource Survey for the Stone Residence Project, 1525 Buckingham Drive, La Jolla, California 92037. Brian F. Smith and Associates, Inc.

2018 A Phase I Cultural Resources Assessment for the Seaton Commerce Center Project, Riverside County, California. Brian F. Smith and Associates, Inc.

2017 A Phase I Cultural Resources Assessment for the Marbella Villa Project, City of Desert Hot Springs, Riverside County, California. Brian F. Smith and Associates, Inc.

2017 Phase I Cultural Resources Survey for TTM 37109, City of Jurupa Valley, County of Riverside. Brian F. Smith and Associates, Inc.

2017 A Phase I Cultural Resources Assessment for the Winchester Dollar General Store Project, Riverside County, California. Brian F. Smith and Associates, Inc.

2016 John Wayne Airport Jet Fuel Pipeline and Tank Farm Archaeological Monitoring Plan. Scientific Resource Surveys, Inc. On file at the County of Orange, California.

2016 Historic Resource Assessment for 220 South Batavia Street, Orange, CA 92868 Assessor's Parcel Number 041-064-4. Scientific Resource Surveys, Inc. Submitted to the City of Orange as part of

Mills Act application.

2015 Historic Resource Report: 807-813 Harvard Boulevard, Los Angeles. Scientific Resource Surveys, Inc. On file at the South Central Coastal Information Center, California State University, Fullerton.

2015 Exploring a Traditional Rock Cairn: Test Excavation at CA-SDI-13/RBLI-26: The Rincon Indian Reservation, San Diego County, California. Scientific Resource Surveys, Inc.

2014 Archaeological Monitoring Results: The New Los Angeles Federal Courthouse. Scientific Resource Surveys, Inc. On file at the South Central Coastal Information Center, California State University, Fullerton.

2012 Bolsa Chica Archaeological Project Volume 7, Technological Analysis of Stone Tools, Lithic Technology at Bolsa Chica: Reduction Maintenance and Experimentation. Scientific Resource Surveys, Inc.

Presentations

2017 "Repair and Replace: Lithic Production Behavior as Indicated by the Debitage Assemblage from CA-MRP-283 the Hackney Site." Presented at the Society for California Archaeology Annual Meeting, Fish Camp, California.

2016 "Bones, Stones, and Shell at Bolsa Chica: A Ceremonial Relationship?" Presented at the Society for California Archaeology Annual Meeting, Ontario, California.

2016 "Markers of Time: Exploring Transitions in the Bolsa Chica Assemblage." Presented at the Society for California Archaeology Annual Meeting, Ontario, California.

2016 "Dating Duress: Understanding Prehistoric Climate Change at Bolsa Chica." Presented at the Society for California Archaeology Annual Meeting, Ontario, California.

2014 "New Discoveries from an Old Collection: Comparing Recently Identified OGR Beads to Those Previously Analyzed from the Encino Village Site." Presented at the Society for California Archaeology Annual Meeting, Visalia, California.

2012 Bolsa Chica Archaeology: Part Seven: Culture and Chronology. Lithic demonstration of experimental manufacturing techniques at the April meeting of The Pacific Coast Archaeological Society, Irvine, California.

APPENDIX B

Archaeological Records Search Results

(Deleted for Public Review; Bound Separately)

APPENDIX C

NAHC Sacred Lands File Search Results

(Deleted for Public Review; Bound Separately)

URBANA PRESERVATION & PLANNING LLC

Southern California
7705 El Cajon Boulevard, #1
La Mesa, CA 91942
619-543-0693/P

Northern California
248 3rd Street, #841
Oakland, CA 94607
510-663-7443/P

www.urbanapreservation.com

September 27, 2022

Attn: Heather Roberts
2355 Main Street | Suite 100
Irvine, CA 92614

RE: Historical Resource Summary | 627 S. Bon View Avenue, Ontario, California.

Urbana Preservation & Planning, LLC (Urbana) has evaluated the industrial-use buildings located at 627 S. Bon View Avenue in Ontario, California, for eligibility under the Ontario Local Register and California Register of Historical Resources (CRHR) to identify whether the building meets the definition of an historical resource under the CRHR and pursuant to § 15064.5 of the CEQA Guidelines. Urbana concludes that the property is not eligible for inclusion on the Local Register and the CRHR. The property does not meet the definition of an historical resource under the CRHR or pursuant to CEQA Guidelines § 15064.5. The property is documented and evaluated on Department of Parks and Recreation (DPR) 523 series forms (attached) with our findings summarized below.

The 627 S. Bon View Avenue property does not qualify for designation under Local Register and CRHR criteria. The property was initially improved by the Bestile Manufacturing Company during the early suburbanization of the City of Ontario. During the 1950s, agricultural lands were gradually replaced by new residential and commercial use properties to accommodate the population boom that occurred following World War II. Developers bought up prime agricultural lands, which were then replaced by subdivisions, commercial, and industrial developments. New industries were established in that area that contributed to the economic expansion of Ontario. The Bestile Manufacturing Company was just one of several industries that created much needed job opportunities for Ontario's growing population. By the 1970s, many of the area's agricultural lands were replaced with the construction of residential, commercial, and industrial-use properties. Although the buildings were constructed during the early suburbanization of the city, no specific information was identified to indicate that the subject property, in and of itself, exemplified or represents a special element of Ontario or California's history under CRHR / Local Register Criterion A. The property was not identified with persons or events significant in local, state, or national history under CRHR / Local Register Criterion B. The buildings do not embody the distinctive characteristics of a type, period, or method of construction, nor does it represent the work of an important creative individual under CRHR / Local Register Criterion 3 / C, D, E, F. The buildings do not have a unique location or represent an established and familiar visual feature of a neighborhood, community or the City nor is it one of the few remaining examples in the City, region, state, or nation possessing distinguishing characteristics of an architectural or historical type or specimen under Local Register Criterion G and H. Lastly, further research and analysis of the subject property is unlikely to yield information important in prehistory or history under CRHR Criterion 4.

The subject buildings remain in their original location and have not been moved since that time; therefore, the property retains integrity of **location.** The buildings were constructed at time when the City of Ontario was transitioning from an agricultural community into a suburban neighborhood. Today, the property is surrounded by both historic-era and contemporary period commercial, residential, and multi-family units that have changed the surrounding context and visual characteristics of the area; therefore, the property no longer retains integrity of **feeling and setting**. Over the years, as the Bestile Manufacturing Company flourished, new additions and modifications were made to the subject property in support of tile manufacturing operations. While the additions made reflect the historical evolution of the property, the buildings have been heavily altered and no longer retain sufficient integrity of **materials**, **design**, and **workmanship, or association**.

Refer to the attached DPR forms for additional property history and contact the office with any questions or comments.

Respectfully Submitted,

Alexia Landa

Alexia Landa, BA

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI # _____
Trinomial: _____
CRHR Status Code: 6Z
Other Listings: _____

Review Code _____ **Reviewer** _____ **Date**
Resource Name or #: 627 S. Bon View Avenue

P1. Other Identifier: 621 S. Bon View Avenue
***P2. Location:** ☐ **Not for Publication** ☒ **Unrestricted**
- ***a. County** San Bernardino **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
- ***b. USGS 7.5' Quad** Ontario; Guasti **Date** 2021 **T** 1S ; **R** 7W ; ☐ **of** ☐ **of Sec** 29 ; S.B. **B.M.**
- c. Address 627 S. Bon View Avenue City Ontario Zip 91761
- d. UTM: (Give more than one for large and/or linear resources) Zone 11, 441295 mE/ 3768701 mN
- e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate)

The subject property is sited south of E. Ontario Boulevard and east of S. Bon View Avenue on Lot 14 of the Revised 2004 Hanson & Company Addition. Identified as San Bernardino County Assessor's Parcel Number 104-918-114, the property is located towards the northwest end of the City of Ontario, California.

***P3a. Description:** The evaluated property is located on a parcel identified as 104-918-114 and consists of five detached commercial-use buildings addressed as 627 S. Bon View Avenue. The buildings are sited on an irregular parcel, approximately 10.06 acres in size, located on the south side of E. Ontario Blvd and east of S. Bon View Avenue. The surrounding area is composed of light commercial and industrial-use properties, with buildings of similar construction. Surface parking surrounds the property. **See Continuation Sheet for additional description.**

***P3b. Resource Attributes:** (List attributes and codes) (HP6) Commercial Bldg.
***P4. Resources Present:** ☒ Building ☒ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5b. Description of Photo: View east of 627 S. Bon View Ave west elevation.
***P6. Date Constructed/Age and Source:**
☒-Historic: 1948; ca.1956; ca. 1959; ca.1960; ca.2002/ HistoricAerials.com
***P7. Owner and Address:**
Fleet RV & Boat Storage, LLC.
627 S. Bon View Ave., CA. 91761
***P8. Recorded by:**
Alexia Landa, B.A.
Urbana Preservation & Planning, LLC
www.urbanapreservation.com
***P9. Date Recorded:** September 2022

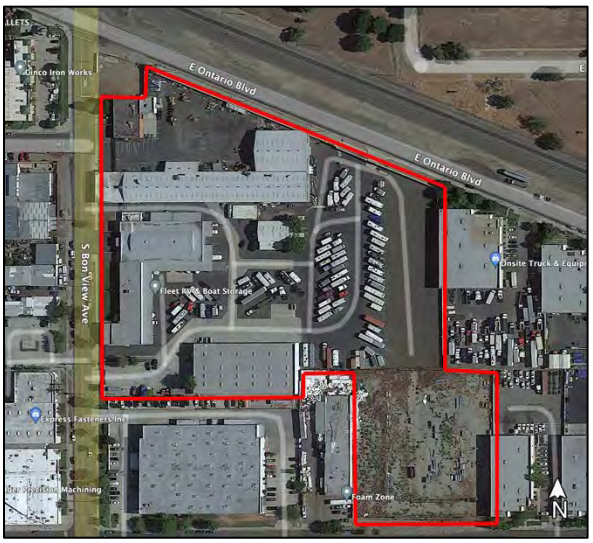
***P10. Survey Type:** Historical Resource Assessment
***P11. Report Citation:** (Cite survey report and other sources or enter "none.") Urbana Preservation & Planning, LLC, *Historical Resource Assessment Memorandum 627 S. Bon View Avenue, Ontario, CA*, September 2022.
***Attachments:** ☐ NONE ☒ Location Map ☒ Continuation Sheet ☒ Building, Structure, and Object Record ☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐ Other (List):

B1. Historic Name: Bestile Manufacturing Company Plant
B2. Common Name: 627 S. Bon View Ave.
B3. Original Use: Commercial-Use B4. Present Use: Commercial-Use
***B5. Architectural Style:** Utilitarian of Reinforced Concrete / Precast Concrete Construction and Prefabricated
***B6. Construction History:** Construction history is based on historic newspapers and historic and current aerial photography. Building permits were not provided by the City of Ontario's Building Department.

In 1948, the subject property was initially improved with the construction of a reinforced concrete building constructed by the Hanawalt Brothers construction company for the Bestile Manufacturing Company. The project was valued at $35,000 and was one of five buildings that would be constructed on the property. Based on historic images, the approximately 13,000 sq ft building featured a mostly symmetrical facade with reinforced concrete panel walls, a rectilinear floorplan, a barrel roof, industrial overhead doors and multi-pane windows. In 1953, a one-story addition was appended to the building's south elevation, altering the original floorplan of the building. The addition was constructed in the precast concrete method by the Bob Magnusen, a general contractor from Pomona. By 1960, a second story was added to the northwest corner of the building and by 1968 a one-story office addition was appended to the northwest corner of the existing building. **See Continuation Sheet for additional construction history.**

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** _____ **Original Location:**
***B8. Related Features:** No related features.
B9a. Architect: Not Identified b. Builder: Hanawalt Brothers; Bob Magnusen
***B10. Significance: Theme** N/A **Area** N/A **Period of Significance** N/A **Property Type** Commercial
Applicable Criteria Local Register / CRHR Ineligible

The 627 S. Bon View Avenue property has not been found individually significant under the eligibility criterion of the CRHR and City of Ontario. The subject property was not found individually eligible under **CRHR / Local Register Criterion 1 / A** as the property does not exemplify or reflect special elements of the City of Ontario or California's history. The property was not identified with persons or events significant in local, state, or national history under **CRHR / Local Register Criterion 2 / B.** The property does not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of an important individual under **CRHR / Local Register Criterion 3 /C, D, E, F.** The property is not located in a unique location or singular physical characteristic representing an established or familiar visual feature of a neighborhood, community or the City nor is it one of the few remaining examples in the City, region, state, or nation possessing distinguishing characteristics of an architectural or historical type or specimen under **Local Register Criterion G and H.** Lastly, further research and analysis of the subject property is unlikely to yield information important in prehistory or history under **CRHR Criterion 4**. **See Continuation Sheet for additional information.**



B11. Additional Resource Attributes: N/A
***B12. References:** See Continuation Sheet for References
B13. Remarks: None
***B14. Evaluator:** Alexia Landa, B.A.
Urbana Preservation & Planning, LLC
***Date of Evaluation:** September 2022

(This space reserved for official comments)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

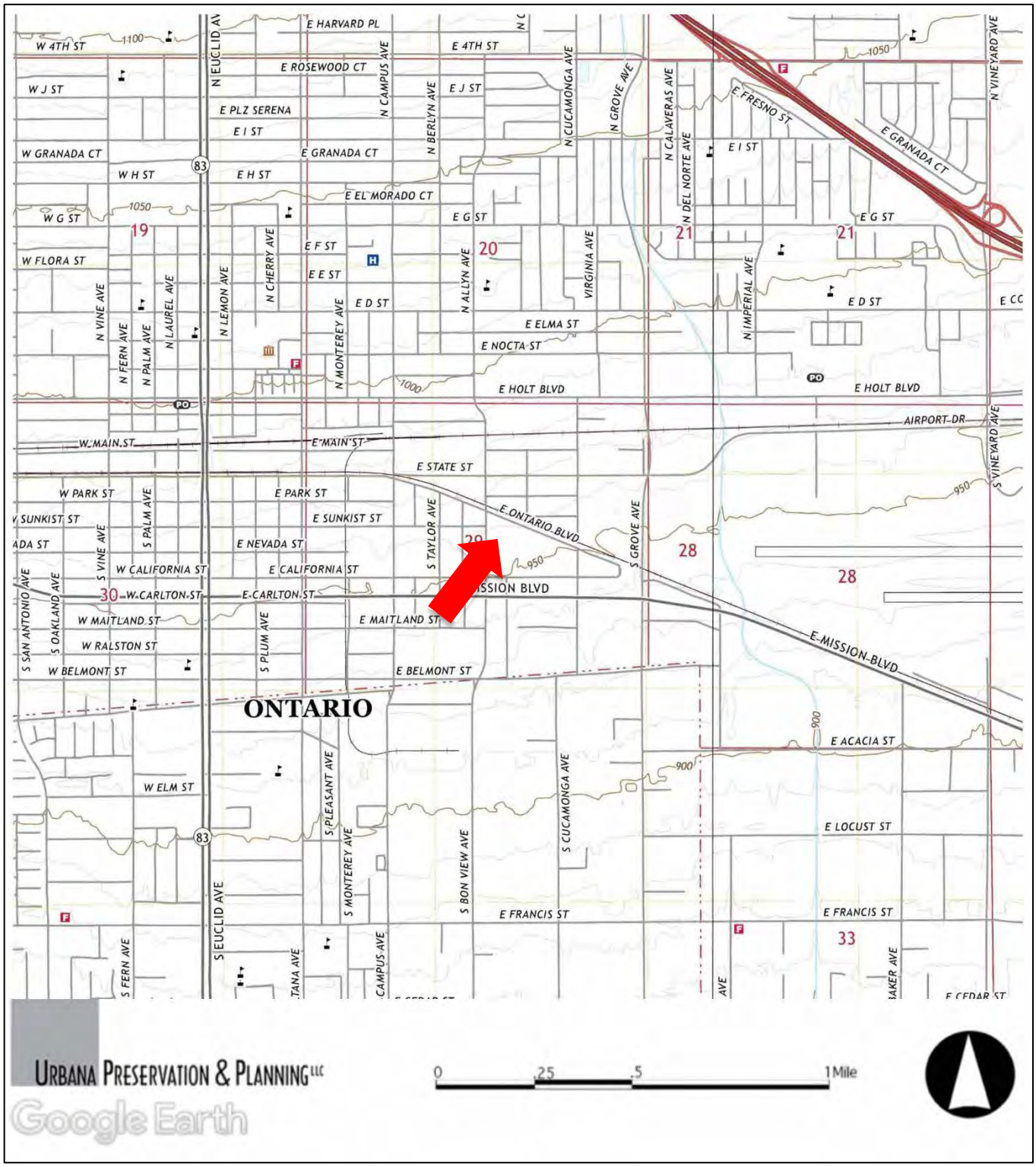
LOCATION MAP

Primary# _____
HRI# _____
Trinomial# _____

*NRHP Status Code: 6Z

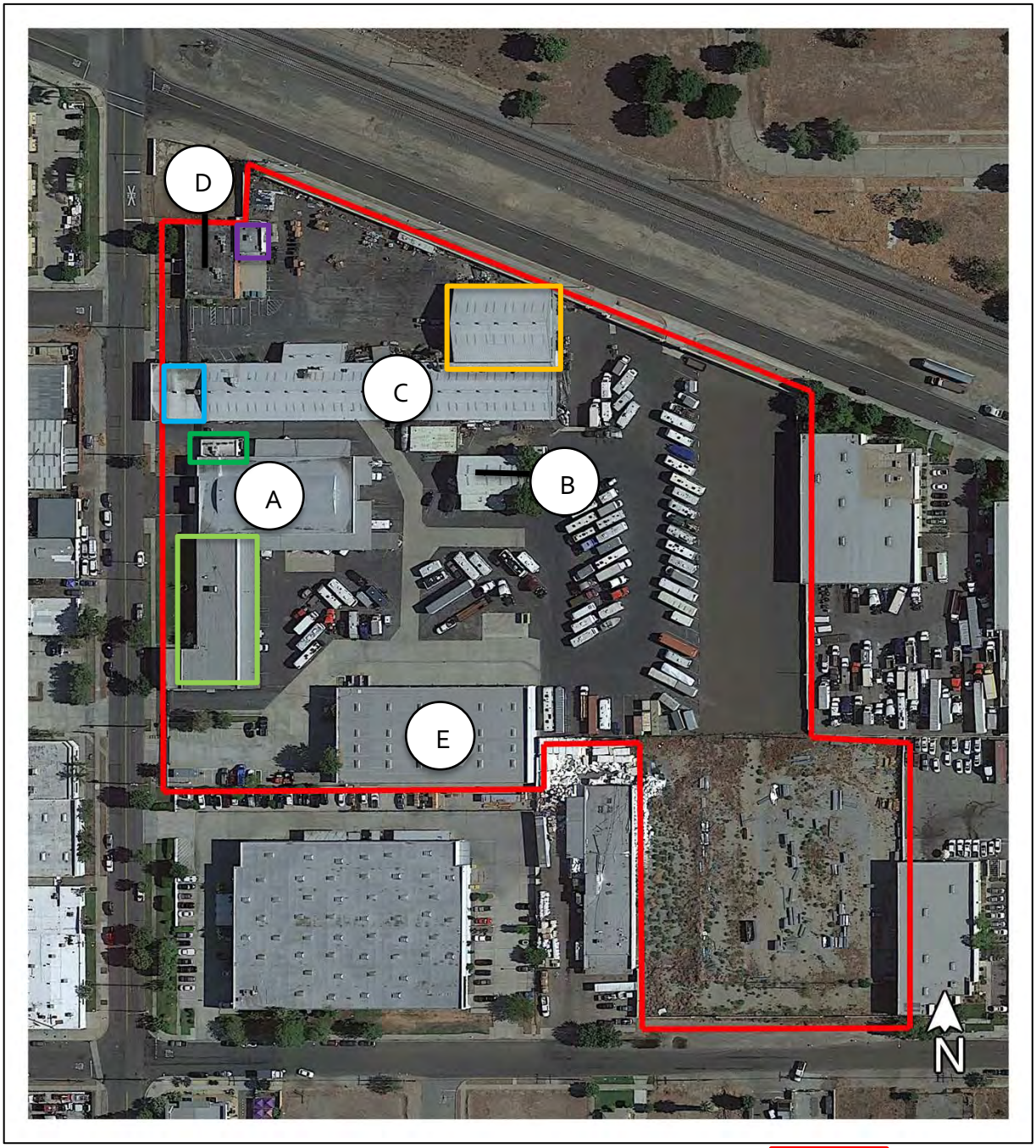
*Resource Name or # (Assigned by recorder) 627 S. Bon View Avenue

*Map Name: Ontario; Guasti USGS Quadrangle Maps *Date: 2021 *Scale: 1:24,000



*Required information

Site Plan



Building A: Constructed in 1948
Building B: Constructed ca.1956
Building C: Constructed ca.1959
Building D: Constructed ca.1960
Building E: Constructed ca.2002

Parcel Boundary:
ca.1953 addition:
ca.1964 addition:
ca.1968 addition
ca.1980 addition:
ca. 2002 addition:

P3a. Description (Continued from page 1)

627 S. Bon View Avenue Current Description
The subject property consists of five detached industrial / commercial-use buildings that were constructed during five different building campaigns under the ownership of the Bestile Manufacturing Company. A brief description of each building is listed below. See site plan on page 4 for reference.

Building A, ca.1948
Constructed in 1948**,** Building A is a split level one-and- two story reinforced concrete building that was constructed by the Hanawalt Brothers of La Verne, California. The building fronts S. Bon View Avenue and is sited between Building C and Building E. The south end of the building is a precast concrete addition that was appended to the original building's south elevation in 1953. As a result, the building has an L-shaped floorplan, an asymmetrical facade and features two different rooflines: the 1948 portion has a barrel roof, and the 1953 addition has a flat roof (see site plan). The building is painted white and features rectangular metal multi-pane windows of various sizes, metal single-hung and sliding sash windows, large industrial overhead doors, flush metal doors, and a shed roof extension supported by red metal beams located on the east and north elevations. The building measures 260ft x 161ft and encompasses approximately 21,450 sq ft.

Building B, ca.1956
Constructed ca.1956, Building B is a two-story prefabricated warehouse. The building is sited towards the rear portion of the parcel between Building C and D. The warehouse has an asymmetrical facade, a rectilinear floorplan, and has minimal architectural detailing throughout. The building features a front gable roof, a corrugated sheet metal facade, metal multi-pane windows, a single-hung window, half-lite wood doors, two large industrial sliding doors on the west elevation, two large industrial doors on the south elevation, and a small open storage shed appended to the south elevation. The building measures 60ft x 40ft and encompasses approximately. 2,600 sq ft.

Building C, ca.1959
Constructed ca.1959, Building C is a one-story prefabricated warehouse. The building fronts S. Bon View Avenue and is sited between Building A and Building B to the south and Building D to the north. The warehouse has an asymmetrical facade, an irregular floorplan, and has minimal architectural detailing throughout. The building features two additions: a ca.1964 addition appended to the far northeast corner of the original building; and a ca.1980 addition appended to the west elevation of the original building. As a result, the building has two different rooflines and facades. The majority of the building is clad in corrugated sheet metal and features a gable roof, large industrial overhead doors and sliding doors, metal multi-pane and sliding sash windows, and wood paneled and flush metal doors. The ca.1980 addition features a reinforced concrete facade painted white and a flat roof. The building measures 412ft x 135ft and encompasses approximately 34,000 sq ft. A small open storage shed is located towards the south elevation.

Building D, ca.1960
Constructed ca.1960, Building D is a reinforced concrete office building that was constructed by an unidentified builder. The building fronts S. Bon View Avenue and is located north of Building C. The office building has an asymmetrical facade, a rectilinear floorplan, and has minimal architectural detailing throughout. The building features mostly a brick veneer facade, glass industrial doors on the west elevation, and is void of windows on the west, east, north and south elevations. A ca.2002 reinforced concrete addition painted white was appended to the northeast corner of the original building and features a portico entryway and four small rectangular fixed windows. The building measures 80ft x 78ft and encompasses approximately 4,900 sq ft.

Building E, ca. 2002

Constructed ca.2002, Building E is a reinforced concrete building that was constructed by an unidentified builder. The building is sited towards the southwest end of the parcel and neighbors the adjacent parcel, 921 E. California Street. The two-story building has a mostly symmetrical facade, a rectilinear floorplan, and minimal architectural detailing throughout. The building features large industrial overhead doors located on the north elevation, metal sliding sash and ribbon windows located on the west elevation, a recessed main entryway, and flush doors painted in red. The building measures 100ft x 195ft and encompasses approximately 20,000 sq ft.

Current views of the subject property are included below and in the following pages.

Building A, 1948, Current Views

View of the east from S. Bon View Avenue of building's west elevation. The building is a partial two-story reinforced concrete building, that features rectangular metal multi-pane windows of various sizes, metal single-hung and sliding sash windows, large industrial overhead doors, and flush metal doors.

View of southeast from S. Bon View Avenue of the building's west elevation.

View south of the west elevation. The ca.1953 addition is visible in the background.

View of south of the building's west elevation. The view is of the ca.1953 precast concrete addition.

View northeast of the building's west elevation. The view is of the ca.1953 precast concrete addition.

View northeast of the building's west and south elevation. The view is of the ca.1953 precast concrete addition.

View northwest of the building's south and east elevation. The view is of the ca.1953 precast concrete addition. A shed roof extension supported by red metal poles is located on the east and partial north elevation.

View west of the rear elevation. The original 1948 construction and the ca.1953 addition is visible. The original building features a barrel roof and the addition has a flat roof.

View west of the rear elevation. The ca.1953 addition is visible.

View north of the rear elevation. The view is of the original 1948 building. Building B and C is visible in the background.

View north of the rear elevation of the original 1948 building. The barrel roof is visible.

View west of the north elevation. A shed roof supported by metal beams partially spans the elevation.

View east of the west elevation.

View southwest of the north elevation.

View southwest of the north elevation.

Building B, ca.1953, Current Views

View east of the west elevation. The building features a front gable roof, corrugated sheet metal facade, metal multi-pane windows, a single-hung window, half-lite wood doors, two large industrial sliding doors on the west elevation, two large industrial doors on the south elevation, and a small open storage shed appended to the south elevation.

View northeast of the west and south elevation. The small open storage shed appended to the south elevation is visible.

View northwest of the south and east elevation. The small open storage shed appended to the south elevation is visible.

View west of the east elevation.

View southwest of the north and partial east elevation.

Building C, ca. 1959, Current Views

View south of the north elevation. The view is of the ca.1980 addition. The addition features a reinforced concrete facade painted in white and a flat roof. The majority of the building is clad in corrugated sheet metal and features a gable roof, large industrial overhead doors and sliding doors, metal multi-pane and sliding sash windows, and wood paneled and flush metal doors.

View southeast of the north and partial west elevation.

View east of the north elevation. The ca.1964 addition appended to the far northeast corner is visible in the background.

View northeast of the ca.1980 addition's south elevation.

View west of the south elevation. The original ca.1959 portion of the building and the ca.1980 addition is visible.

View east of the south elevation. The view is of the original ca.1959 buidling.

View northwest of the south elevation.

View northeast of the south elevation. The small open shed is visible in the background.

View north of the small open shed located on the south elevation.

View northwest of the south elevation.

View west of the south and partial east elevation. Building B is visible in the foreground.

View west of the east elevation. The ca.1964 addition appended to the far northeast end of the building is visible. The original building and addition features a gable roof.

Building D, ca.1960, Current Views

View east of the west elevation. The building features a brick veneer facade, glass industrial doors on the west elevation, and is void of windows on the west, east, north and south elevations. A ca.2002 reinforced concrete addition painted in white was appended to the northeast corner of the original building and features a portico entryway and four small rectangular fixed windows.

View northeast of the west elevation.

Building E, ca.2002, Current Views

View southeast of the west elevation. The two-story building has a mostly symmetrical facade, a rectilinear floorplan, and minimal architectural detailing throughout. The building features large industrial overhead doors located on the north elevation, metal sliding sash and ribbon windows located on the west elevation, a recessed main entryway, and flush doors painted in red.

View south of the north elevation.

B6. Construction History (Continued from page 2)

In ca.1956, a prefabricated factory building (Building B) was added to the subject property, east of the 1948 building (Building A).[1] The project was valued at $20,000.[2] Based on historic research and aerial imagery, the structure measured approximately 40ft x 60ft and featured a rectilinear floorplan, a front gabled roof, corrugated sheet metal facade, and a small open shed appended to the south elevation.[3]

In ca.1959, a prefabricated warehouse building (Building C) was added to the subject property, north of the 1948 and ca.1956 buildings. The structure originally measured approximately 360ft x 65ft and encompassed approximately 19,000 sq ft. Based on historic imagery, the building featured a rectilinear floorplan, a front gabled roof, corrugated sheet metal facade and multi-pane windows. The building first appears on a 1959 aerial of the surrounding area.[4] In ca.1964, an addition was appended to the far northeast corner of the building. The project was valued at $25,000.[5] The addition featured a front gabled roof, corrugated sheet metal, multi-pane windows, and large industrial sliding doors. In ca.1980, a second addition was appended to the west elevation of the existing building. The addition featured reinforced concrete walls painted in white, sliding sash windows, flush doors, and a flat roof. The addition first appears on a 1980 aerial of the surrounding area.[6]

In ca.1960, a reinforced concrete office building (Building D) was added to the subject property, north of the ca.1959 building. The building originally measured approximately 80ft x 50ft and encompassed approximately 3,800 sq ft. Based on historic imagery, the building featured a rectilinear floorplan and a flat roof. The building first appears on a 1960 aerial of the surrounding area.[7] In ca.2002, an addition was appended to the northeast corner of the existing building. The addition featured a portico entryway and four small rectangular fixed windows.

In ca.2002, a reinforced concrete office building (Building E) was added to the subject property, towards the southwest corner of the parcel. The two-story building was constructed with a mostly symmetrical facade, a rectilinear floorplan, and minimal architectural detailing throughout. The building featured large industrial overhead doors located on the north elevation, metal sliding sash and ribbon windows located on the west elevation, a recessed main entryway, and flush doors painted in red. The building first appears on a 2002 aerial of the surrounding area.[8]

[1] "Mastic Plant To Be Built," *San Bernardino Sun,* May 16, 1956.
[2] Ibid.
[3] HistoricAerials.com
[4] HistoricAerials.com
[5] "Ontario Building Permits," *Progress Bulletin,* January 3, 1964
[6] EarthExplorer.com, ID # 1VEZS00010238.
[7] UC Santa Barbara Frame Finder, ID # c-23870_2501.
[8] HistoricAerials.com.

B10. Significance (Continued from page 2)

Historic Overview of Ontario

Founded in September of 1882 by brothers George and William B. Chaffey, the Ontario Township was named after the brothers' hometown of Ontario, Canada. They purchased the "San Antonio lands," which consisted of 6,218 acres with water rights and set aside 640 acres for the new city. Half of the initial 640 acres were deeded to the Chaffey Agricultural College as an endowment.

The Chaffey's established four principles for the colony that had social and economic implications including a mutual water company concept, a prohibition of intoxicating liquors, a grand thoroughfare through the city, and an agricultural college for general education. On December 10, 1891, Ontario was incorporated as a city, covering roughly .38 square miles, under the California Constitution with a City Council-City Manager form of government. Census records disclose that the City's population was approximately 683 in 1890 and 722 in 1900, indicating slow growth in the first decade.[9]

In 1903, Ontario was proclaimed a "Model Irrigation Colony" by an Act of Congress. The Ontario planned community had many modern innovations, many of which still show merit today. An impressive two-hundred feet wide and eight miles long, Euclid Avenue (listed on the National Register of Historic Places) was the stately back-bone of the colony. Provisions for an electric railway, water rights for each landowner, a local educational institution, electric lights, one of the first long distance telephone lines, and access to water and transportation set a new standard for rural communities and irrigation practices and ensured the success of the Model Colony.[10] Population boomed; by 1910 Ontario was home to approximately 4,274 residents, and by 1920, population nearly doubled to 7,280. By 1930, Census data indicates that the city had again nearly doubled in size to a population of 13,583. This continuous growth is attributed to expanded land uses and industries.

Ontario first developed as an agricultural community, largely, but not exclusively, devoted to the citrus industry. In addition to oranges, the production of peaches, walnuts, lemons, olives, and grapes were also important to the growth of Ontario and the neighboring city of Upland. In 1923, airplane enthusiasts Waldo Waterman and Archie Mitchell established Latimer Field. From that point on, Ontario became an aviation town. Urban growth pushed the fliers east until they took up their permanent residence located at the Ontario World Airport. During WWII, this airport was a busy training facility for pilots. In the interwar period and post-WWII, manufacturing facilities were increasingly established in the city. The uptick is attributed to the availability of reasonably priced land roughly 35 miles east of Los Angeles.[11] Early factories included iron manufacturer Hotpoint Electric Heating Company (ca. 1903-1915 when it merged with General Electric), the Karakul Fur Farm, one of the nation's largest fur coat production farms, along with various fruit processing companies including Sunkist. By 1940, reflective of the Great Depression, the city's population plateaued at a little more than 14,000.[12] Growth, however, is reflected via the expanded municipal boundaries, which by the 1940s roughly had increased to roughly 12.5 square miles.

In the post-WWII period, population continued to increase, resultant from continuous outward residential growth and the availability of land for non-residential uses. Population was recorded at 22,872 in 1950; 46,617 in 1960; 64,118 in 1970; 88,820 in 1980; 133,179 in 1990; 158,007 in 2000; and 173,000 in 2015.

[99] City of Ontario, *Cultural Resources Study for the Merrill Commerce Center* (CA: City of Ontario, 2019).
[10] Ibid.
[11] City of Ontario, "Article 26: Historic Preservation," *City of Ontario Development* (CA: City of Ontario, 2011).
[12] City, *Cultural,* 2019.

Although the City boundaries have been extended from 0.38 square miles in 1891 to almost 50 square miles today, Ontario's Historic Downtown still retains the original irrigation system and land subdivision pattern established by the Chaffey brothers. Current development trends include conversion of agricultural lands to new residential, commercial, and industrial uses, marking the continued evolution of this Model Irrigation Colony.[13]

Reinforced Concrete Construction

The subject property features four reinforced concrete industrial-use buildings (Building A, C, D, E). Reinforced concrete construction can be classified as precast or cast-in-place concrete. The process of reinforcing concrete consists of embedding steel reinforcing bars, also known as rebar, in concrete before it sets, in order to support the concrete from tensile stresses.[14] "Reinforced concrete is low cost, weather resistant, fire resistant, and durable. The process of making concrete consists of "blending gravel, sand, cement, and water to create a liquid medium that can be poured into place, where it then hardens or cures, to achieve a solid mass of great compressive, but little tensile strength."[15] Concrete is one of the most common building materials that has been used prolifically throughout the course of history.

In the United States, the use of concrete commenced in the 19th century and was initially employed in the construction of canals, tunnels, and bridge abutments.[16] Inspired by the materials strength and durability, engineers utilized it in the construction of piers, walls, footings, and paving. Additionally, concrete was found to be a valuable material for fireproofing structural steel, since it was less expensive than other established building methods.[17] By the mid-1800s, builders began reinforcing concrete with rebar and other metals, a method widely used among American builders.[18]

The first landmark residential building in the United States constructed utilizing reinforced concrete was built by American mechanical engineer, William E. Ward in Port Chester, New York in 1875.[19] The building is cited as the first successful attempt to craft an entire building of reinforced concrete. In the 1870s, the method was utilized in commercial-use construction by French engineer Francois Hennebique. He developed a system for rapidly producing reinforced concrete floor slabs. In 1892, Hennebique patented the process of bending reinforced bars to better resist the tension that occurred in concrete and opened a consulting firm that trained and licensed contractors in his innovative techniques.[20] Hennebique's innovative designs inspired other builders of the era and had a significant impact on American building methods. While Hennebique was the first to patent the method, he wasn't the first to notice the benefits of utilizing reinforced concrete.

In 1877, American engineer Thaddeus Hyatt described the principle that reinforced concrete had in resisting outside stressors. Hyatt's research led to a better understanding and control of reinforcement in slabs, beams, and columns. Although Hyatt is lauded as an inventor and a theorist, historians give credit to builders for the practical development of reinforced concrete in America.[21] Ernest Ransome is among one of the most

[13] City of Ontario, "Ontario's History, n.d. https://www.ontarioca.gov/Planning/HistoricPreservation. Accessed September 2022. State of California, "California Historic Population Figures" n.d. (From Urbana's in-house library). Robert Glover and Herbert Swinney, *Police And Peace Officers' Journal* "Ontario, California and Its Police Department" September 1947.
[14] "History of Reinforced Concrete," *BN Products,* (2014) Website: BN Products-USA. https://www.bnproducts.com/blog/the-history-of-reinforced-concrete/.
[15] Amy E. Slaton, *Reinforced Concrete and the Modernization of American Building, 1900-1930* (MD: John Hopkins University Press, 2001).
[16] Slaton, *Reinforced*, 2001.
[17] Slaton, *Reinforced*, 2001.
[18] Slaton, *Reinforced*, 2001.
[19] Slaton, *Reinforced*, 2001.
[20] Slaton, *Reinforced*, 2001.
[21] Slaton, *Reinforced*, 2001.

frequently cited builders who began his career in California during the 1870s. His buildings addressed the need for earthquake resistant buildings, popularizing the method in California. In 1884, he patented a type of twisted rod that was both inexpensive to produce and extremely effective as a reinforcement. During the late 1880s, Ransome marketed his services as a consultant and licensor and inspired related innovations by competing engineering firms.

By the early 20th century, reinforced concrete construction dominated the American industrial and commercial landscape. Concrete became a favored medium for large building projects, in particular for massive utilitarian buildings.[22] The spread of standardized reinforced concrete factory buildings in the United States after 1900, set the aesthetic and material styles for commercial and industrial building for at least a century.[23] Many of these buildings featured an indistinguishable profile, were similar in overall size, surface treatment, and devoid of individualized decoration.[24] While other buildings were constructed in the popular architectural styles of the era, such as Colonial Revival, Mission Revival, Italianate, and Spanish Revival. In 1905, the first reinforced concrete building in Southern California was the Laughlin Annex in downtown Los Angeles.[25] The commercial-use building featured characteristics in the Italianate architectural style and was designed by Architect Harrison Albright. The following year, 16 building permits were reportedly issued for reinforced concrete buildings in Los Angeles and included the Temple Auditorium and Hayward Hotel.[26] At the time of its construction, the Temple Auditorium was known as the largest reinforced concrete building in California.[27] The Hayward Hotel was one of Los Angeles' earliest reinforced concrete high-rises and was designed by Charles Whittlesey.

By the 1960s, concrete was a material that epitomized modernity and modernization and was utilized by prominent architects of the era. The most significant examples of reinforced concrete, precast concrete, tilt-up, and modular construction generally originate from the Brutalist style. From the French phrase *béton brut*, meaning "raw concrete," Brutalist architecture peaked in the 1960s and 1970s, but the style began several decades earlier, following World War II as Europe was in a state of rebuilding. The word "brutalism" in relation to architecture was coined in 1950 by Swedish architect Hans Asplund in reference to a home called Villa Göth. The style was designed for function and utilitarianism and was primarily used in social and institutional buildings.

Precast Concrete Construction

The subject property features a precast concrete addition constructed in ca.1953 (Building A). Precast concrete construction is a "method in which a structure is assembled of precast elements which have been cast and fabricated in a location which is not its final destination."[28] Precast sections are transported to the job site and hoisted into position by a large crane and welded together with steel inserts embedded into the concrete. When suitably connected, they form a three-dimensional framework capable of withstanding gravitation, high winds, and even earthquakes.[29] The distinguishing characteristic of the precast framework is that the beam and column connections are semi-rigid, rather than fully rigid, allowing the building to be more structurally resilient. In addition to being structurally resilient, the precast method is cost-effective, fast to erect, and fireproof. The method is commonly utilized in the construction of office buildings, retail units, car parks, schools, stadia, and other buildings requiring minimal internal obstruction and multifunctional leasable space.

[22] Slaton, *Reinforced*, 2001.
[23] Slaton, *Reinforced*, 2001.
[24] Ibid.
[25] Ibid.
[26] David Williams Company, *Carpentry and Building: Volume 29* (US: Harvard University, 1909).
[27] "California's Largest Reinforced Concrete Building," *Washington Edu.*
[28] Kim S. Elliot, *Precast Concrete Structures* (CA: CRC Press, 2019).
[29] Ibid.

The first precast concrete paneled buildings were initially constructed in Liverpool, England in 1905.[30] The man credited with inventing the precast concrete panels is John Alexander Brodie, a civil engineer who is most notably recognized for his contribution in the construction of the Mersey Tunnel, in Liverpool and for the invention of the football (soccer) goal-net, first used in 1890.[31] Following their invention, precast concrete panels expanded across the globe and became a staple of modern construction following World War II.

The post-WWII construction boom created a demand for more efficient construction methods, creating inroads for the precast concrete industry. The advent of high-capacity mobile cranes, portable welders (for rebar), custom lifting devices, structural wall bracing, and ready-mix concrete trucks enabled builders to erect precast and tilt-up buildings quickly. As the precast construction industry grew, organizations were established and were essential to provide unity of purpose in the industry. In 1954, the Precast / Prestressed Concrete Institute (PCI) was established to address building code requirements and to increase efficiency for design of structural precast concrete structures. In 1965, the National Precast Concrete Association (NPCA) was founded to represent and connect manufacturers of plant produced precast concrete products and companies that provide equipment, supplies, and services to make these products. Through the 1970s, engineers began developing designs to use precast and tilt-up concrete walls as load-bearing structural elements. The proliferation of microcomputers enabled more sophisticated architectural treatments and complex panel shapes. These methods and systems were employed throughout the United States, including in Southern California where commercial and industrial-use buildings were constructed in isolated settings and along auto corridors radiating through cities between connecting highways. By the 1970s, precast concrete construction was widely recognized by builders and commercial real estate owners as durable, with less opportunity for leaks, and an efficient construction process. This made it one of the primary methods of industrial and commercial buildings constructed in the 1970s and beyond, secondarily resulting in a monotonous horizontal landscape throughout Southern California's commercial-industrial zones.

Bestile Manufacturing Company

The Bestile Manufacturing Company is a tile manufacturing company that was established in 1928 by brothers Harry and Maurice Grossman in the City of Ontario.[32] Between 1929 and the 1990s, the company manufactured aluminum wall tiles for residential and commercial use and distributed their product throughout the west coast. The company's main headquarters was once located at 419 South Sultana Avenue, in Ontario and featured a Mission Revival style factory.[33] As the company grew, a second industrial-use plant was constructed at the subject property in 1948 (Building A), then identified as 621 S. Bon View Avenue.[34] The factory was constructed in proximity to the Union Pacific Railroad to facilitate distribution of their product.[35] By the 1960s, the company was listed as one of the largest employers in the City of Ontario by the Association of Commerce and Industry with a total of 125 employees, the first being the Lockheed Aircraft Service with 1,500 employees.[36] Local newspapers continue to advertise the Bestile Manufacturing Company until the 1990s. In 2009, the subject property, now identified as 627 S. Bon View Avenue, was acquired by the Fleet RV & Boat Storage, LLC.

[30] "Precast Concrete Enters the Modern Age," *Del Zotto Steel and Concrete,* Website: 2018. Accessed September 2022.
[31] "Obituary: John Alexander Brodie," *ICE Publishing,* November 1934.
[32] "Permit Is Issued For New Industrial Plant," *San Bernardino Sun,* October 19, 1947.
[33] Doug White, "H1.1-Heavy Duty Industrial Misc. Bestile Mfg. Co." Courtesy of the *Huntington Library.* 1939. Photo.
[34] Permit Is Issued For New Industrial Plant," *San Bernardino Sun,* October 19, 1947.
[35] Ibid.
[36] "LAS Biggest Employer in Ontario," *Progress Bulletin,* October 10, 1960.

Hanawalt Brothers, General Contractors

The Hanawalt Brothers was a local building company that was established in 1930 by Harvey M. Hanawalt and Samuel E. Hanawalt in La Verne, California.[37] The brothers initiated their partnership as a rock and gravel distribution company in 1919.[38] The Hanawalt Brothers were originally from Pennsylvania and relocated to California during the 1910s.[39] Following their arrival, the brothers went into the rock crushing business, distributing gravel that was utilized in the construction of local roads and commercial-use properties.[40] The company's main headquarters was once located at 2151 D Street in La Verne.[41] By 1930, the company branched out into the building industry, constructing several residential, commercial, and industrial-use properties primarily in the Los Angeles County area. Properties associated with the company include the Chino Walnut Growers Packing House (built in 1937), the Claremont Laundry in La Verne (built in 1937), the Penfield tract in Pomona (developed in 1938), and the Bestile Manufacturing Co. Plant in Ontario (built in 1948).[42] The subject property was one of the last projects the company undertook before the company was dissolved in the early 1950s. No further information was identified.

Bob Magnusen, Pomona General Contractor (Sigurd Robert "Bob" Magnusen)

Bob Magnusen was a local building company that was established in 1948 by Sigurd Robert Magnusen in Pomona, California. The company's main office was located 1435 S. San Antonio Street in Pomona.[43] Between the late 1940s and early 1960s, the company constructed several residential, commercial, and industrial-use properties primarily in the Los Angeles County area. Throughout the years, Magnusen collaborated with local architects in the renovation and construction of commercial and industrial-use buildings, such as B. H. Anderson, Melvin Crum, Amos W. Randall, and Don L. Yinger.[44] Properties associated with the Bob Magnusen company include the Pomona First Federal Savings and Loan Building (built in 1950), the First Baptist Church Bible School addition in Pomona (built in 1951), the Budget Ranch Market in Pomona (built in 1951), and the Bestile Manufacturing Company addition (built in ca.1953).[45] Newspaper advertisements for the company continue to appear until 1964 and cease to appear after 1965. On January 8, 1984, Sigurd Robert Magnusen passed away at the age of 85 and was buried at Forest Lawn Memorial Park in Los Angeles, California.[46]

Property Ownership History

Between 1947 and 1994, the property was under the ownership of the Bestile Manufacturing Company.[47] The company was a tile manufacturing business that was established in 1928 by Harry and Maurice Grossman of Cleveland, Ohio. The brothers were born to Louis and Amelia Grossman, Hungarian immigrants who emigrated to the United States in the 1880s.[48] During the late 1920s, the brothers relocated to California, where they established the Bestile Manufacturing Company in the City of Ontario in 1928. Between 1929 and

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[37] "Fictitious Firm Name," *Pomona Progress Bulletin,* October 25, 1930.
[38] "S. E. Hanawalt Passes Away in La Verne," *Pomona Progress Bulletin,* June 18, 1947.
[39] Ibid.
[40] "Local Materials and Labor for U.S. Bldg," *Pomona Progress Bulletin,* February 13, 1931. ; *Pomona Progress Bulletin,* July 28, 1938.
[41] "Fictitious Firm Name," *Pomona Progress Bulletin,* October 25, 1930.
[42] *Pomona Progress Bulletin,* October 9, 1937.; "Work Is Begun In New Tract," *Pomona Progress Bulletin,* September 24, 1938.
[43] "Bob Magnusen," *Pomona Progress Bulletin,* June 3, 1958.; Ancestry.com. *U.S., City Directories, 1822-1995* [database on-line]. Lehi, UT, USA: Ancestry.com Operations, Inc., 2011.
[44] "Restaurant Installing New Front," *Pomona Progress Bulletin,* January 13, 1950.; "First Federal to Building New Modern Front," *Pomona Progress Bulletin,* August 14, 1951.; "Budget Ranch Market Being Remodeled," *Pomona Progress Bulletin,* August 22, 1951.; "Woolworth Co. Store," *Progress Bulletin,* August 13, 1959.
[45] "First Federal to Build New Modern Front," *Pomona Progress Bulletin,* August 14, 1950.; "Groundbreaking For New Bible School Set," *Pomona Progress Bulletin,* March 12, 1951.; "Budget Ranch Market Being Remodeled," *Pomona Progress Bulletin,* August 22, 1951.; "Local Dentist Moves Into Own Building," *Pomona Progress Bulletin,* January 23, 1953.
[46] Ancestry.com. *U.S., Find a Grave Index, 1600s-Current* [database on-line]. Lehi, UT, USA: Ancestry.com Operations, Inc., 2012.
[47] *Los Angeles Times,* May 2, 1974.
[48] Year: *1900*; Census Place: *Cleveland Ward 25, Cuyahoga, Ohio*; Roll: *1256*; Page: *18*; Enumeration District: *0125*; FHL microfilm: *1241256.*

the 1990s, the company manufactured aluminum tiles and distributed their product throughout the west coast. Their main office and factory located at 419 South Sultana Avenue in Ontario. As their company grew, a second plant was constructed at 627 S. Bon View Avenue in 1948, then identified as 621 S. Bon View Avenue.[49] The location was strategically selected within proximity to the Union Pacific Railroad to facilitate the distribution of their products.[50] Harry Grossman continued to work at the company until he retired at age of 68.[51] His brother Maurice continued to oversee the company, alongside his nephew Robert Grossman. On February 6, 1985, Maurice Grossman passed away at the age of 89.[52] Following his death, the property was likely transferred to his two sons, Sherwin and David Grossman and his nephew Robert Grossman.[53] Company advertisements continue to appear in local newspapers until 1994.

Property ownership was not identified between 1995 and 2008.

In 2009, the property was acquired by Fleet RV & Boat Storage, LLC and continues under their ownership to this day.

[49] "Permit is Issued for New Industrial Plant," *San Bernardino Sun,* October 19, 1947.
[50] Ibid.
[51] "Harry Grossmans Are Fetted on Wedding Anniversary," *Progressive Bulletin,* July 1964.
[52] Place: *San Bernardino*; Date: *6 Feb 1985*; Social Security: *555425651*
[53] United States of America, Bureau of the Census; Washington, D.C.; *Seventeenth Census of the United States, 1950*; Record Group: *Records of the Bureau of the Census, 1790-2007*; Record Group Number: *29*; Residence Date: *1950*; Home in 1950: *Ontario, San Bernardino, California*; Roll: *774*; Sheet Number: *5*; Enumeration District: *36-150.*

B10. Significance (Continued from page 2):

Local Register Criterion A: It exemplifies or reflects special elements of the City's history.
Under Criterion A, the buildings do not qualify for listing in the City of Ontario's Register of Historic Landmarks. The buildings were constructed at a time when the City of Ontario was transitioning from a primarily agricultural community to a suburban development. During the 1950s, the area experienced increased residential, commercial, and industrial development to accommodate the population boom that occurred following World War II. Developers bought up prime agricultural lands, which were then replaced by subdivisions, commercial, and industrial developments. Additionally, new industries were established in the area that contributed to the economic expansion of Ontario. The Bestile Manufacturing Company was just one of several industries that provided much needed jobs for the growing population in the area.

Although the subject buildings were constructed during the early suburbanization of the city, no specific information was identified to indicate that the property, in and of itself, exemplifies or represents a special element of Ontario or California's history. Additionally, the subject property was the Bestile Manufacturing Company's secondary plant, their primary plant located at 419 South Sultana Avenue in Ontario. For this reason, Urbana determined the property is not individually eligible under Criterion A.

Local Register Criterion B: It is identified with persons or events significant in local, state, or national history.
Research does not indicate that the subject property qualifies for designation under Criterion B. The property was previously owned by Harry and Maurice Grossman. The brothers were originally from Cleveland, Ohio and first generation Hungarian Americans. During the 1920s, the brothers relocated to California where they established the Bestile Manufacturing Company in 1928. Between 1929 and the 1990s, the company manufactured and distributed aluminum tiles for residential and commercial properties. The company's primary factory was once located at 419 South Sultana Avenue in Ontario. As the company grew, a second plant was constructed at the 627 S. Bon View Avenue, then identified as 621 S. Bon View Avenue. Additional buildings / additions were constructed over the years in support of tile manufacturing operations. In 1960, the company was listed as one of the largest employers in the City of Ontario by the Association of Commerce and Industry.

Although, the Grossman brothers contributed to the economic development of Ontario through their company, they were one of many who created much needed jobs for the growing population of the area following World War II. The Grossman brothers do not appear to rise to a level of importance such that the property would be eligible under Criterion B. For this reason, Urbana has not opined eligibility under Criterion B.

Local Register Criterion C: It is representative of the work of a notable builder, designer, architect, or artist.
Under Criterion C, the subject property was not identified as the work of a notable builder or architect. The buildings were constructed by local builders that are not regarded as notable. Therefore, the subject property has not been found eligible under Criterion C.

Local Register Criterion D: It embodies distinguishing architectural characteristics of a style, type, period, or method of construction.
Under Criterion D, the subject buildings have not been identified as embodying the distinctive or distinguishing characteristics of a style, type, period, or method of construction. The buildings located at the subject property are examples of reinforced / precast concrete or prefabricated structures clad in corrugated sheet metal, a common material and construction method visible in many post-WWII commercial and industrial-use buildings. The buildings are standard industrial-use buildings, with minimal architectural

detailing throughout. For this reason, the property is not eligible for designation under Criterion D.

Local Register Criterion E: It is a noteworthy example of the use of indigenous materials or craftsmanship.
The subject property is not a noteworthy example of the use of indigenous materials or craftsmanship. Therefore, the property is not eligible under Criterion E.

Local Register Criterion F: It embodies elements that represent a significant structural, engineering, or architectural achievement or innovation.
Under Criterion F, the subject buildings do not embody elements that represent a significant structural, engineering, architectural, or innovative achievement. The subject buildings are examples of reinforced / precast concrete construction or prefabricated structures clad in corrugated sheet metal. Both are considered common methods of construction, that were intended to be quick and easy to assemble and low-cost. For this reason, the subject buildings are not eligible under Criterion F.

Local Register Criterion G: It has a unique location, a singular physical characteristic, or is an established and familiar visual feature of a neighborhood, community or the City.
The subject property is not located within a unique location or singular physical characteristic representing an established or familiar visual feature of the neighborhood, community, or the City. Therefore, the property is not eligible under Criterion G.

Local Register Criterion H: It is one of the few remaining examples in the City, region, state, or nation possessing distinguishing characteristics of an architectural or historical type or specimen.
The buildings located at the subject property are examples of reinforced / precast concrete construction, a common material and construction method visible in many post-WWII commercial and industrial-use buildings. Reinforced concrete is considered low cost, weather resistant, fire resistant, and durable. For this reason, it became one of the primary methods of industrial and commercial buildings constructed in the 1970s and beyond, secondarily resulting in a monotonous horizontal landscape throughout Southern California's commercial-industrial zones. The subject buildings are one of many industrial and commercial buildings constructed utilizing this method in the City of Ontario. For this reason, the property is not eligible under Criterion H.

CALIFORNIA REGISTER OF HISTORICAL RESOURCES (CRHR) ELIGIBILTY REVIEW

CRHR Criterion 1: Association with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
This is equivalent to Local Register Criterion A. Research does not indicate that the subject property qualifies for designation under Criterion 1. The property is one of several industrial-use properties that were constructed at a time when the City of Ontario was transitioning from primarily agricultural region into a suburban neighborhood. During the 1950s, the area experienced exponential growth and development due to a population boom that occurred following World War II. As a result, new industries were established in the area contributing to the economic development of the City. Industries such as the Bestile Manufacturing Company provided new job opportunities for the growing population. Although the subject property contributed to the economic development of Ontario, it was one of several commercial / industrial-use properties constructed in the area during this period. The property does not appear to be individually significant, nor did it make a significant contribution to the broad patterns of California's history and cultural heritage. For this reason, Urbana determined the property is not individually eligible under Criterion 1.

CRHR Criterion 2: Association with the lives of persons important in California's past.
This is equivalent to Local Register Criterion B. Research does not indicate that the subject property qualifies for designation under Criterion B. The 627 S. Bon View Avenue property is not associated with the lives of persons important to local or California history. Therefore, the subject property does not qualify under Criterion B.

CRHR Criterion 3: Embodies the distinctive characteristics of a type, period, or method of construction, or represent the work of an important creative individual or possess high artistic values.
This is equivalent to Local Register Criterion C, D, E, and F. Under Criterion 3, the buildings are not the work of a master and does not possess high artistic values and does not rise to a level beyond the ordinary. For this reason, Urbana determined the property is not individually eligible under Criterion 3.

CRHR Criterion 4: Potential to yield information important in prehistory or history.
The subject property is not eligible under Criterion 4 as it is unlikely to yield information important in prehistory or history.

Integrity

Integrity is the ability to physically convey significance. Evaluation of integrity must always be grounded in an understanding of a resource's physical features and how they relate to its significance. To retain historic integrity, a resource will possess several, and usually most of the following seven aspects of integrity: location, materials, design, setting, workmanship, feeling, and association. If it is determined that a resource is eligible for designation because it meets one or more of the adopted designation criteria, the integrity of the resource must be evaluated. Integrity is the ability to convey its significance. Only after the historic significance of the resource is fully established can the issue of integrity be addressed.

The 627 S. Bon View Avenue property has not been found by Urbana to be individually eligible for designation under any of the criteria. Further integrity analysis is not merited.

***B12. References (Continued from page 2):**

Ancestry.com. A variety of records were accessed online in July 2022 at: http://home.ancestry.com/. These include city directories, voter registration records, military records, and United States Census Data.

California Office of Historic Preservation. *California Register and National Register:* A Copmarison. Technical Assistance Series 6. (1999). Office of Historic Preservation, Sacramento.

City of Ontario, *Historic Preservation*. Website: (n.d.). Accessed September 2022. https://www.santa-ana.org/historic-preservation/.

County of Ontario, *Historic Preservation.* Website: (n.d.). Accessed September 2022. https://www.ontarioca.gov/Planning/HistoricPreservation.

National Register Bulletin 16A. "*How to Complete the National Register Registration Form*." Washington DC: National Register Branch, National Park Services, US Dept. of the Interior, 1991.

Nationwide Environmental Title Research. *Historic Aerials*. Website, (1999). Accessed September 2022. https://www.historicaerials.com/.

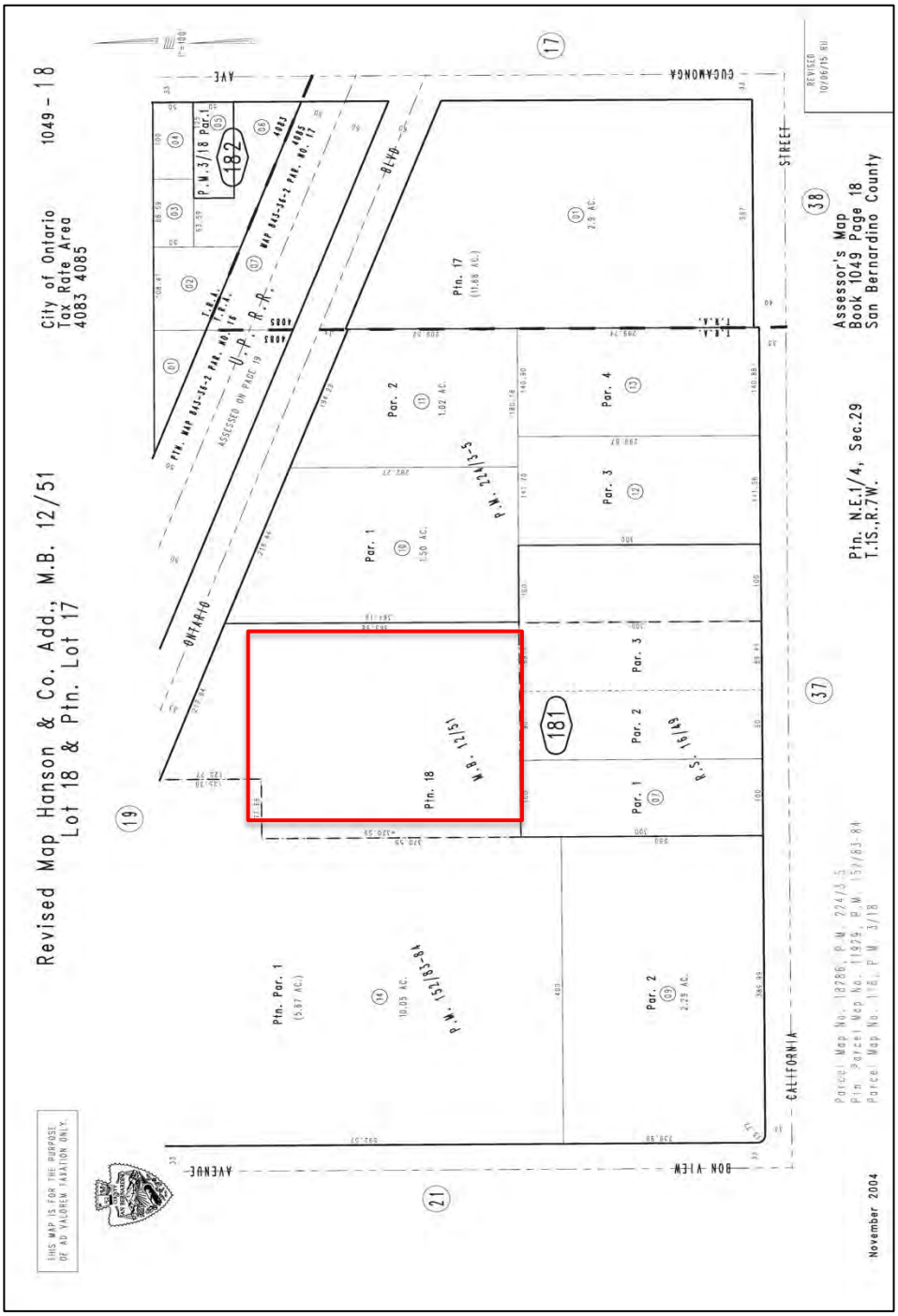
Office of Historic Preservation. "Instruction for Recording Historical Resources." Sacramento: March 1995.

Ontario City Library. *Images of America: Early Ontario.* SC: Arcadia Publishing, 2011.

University of California Santa Barbara Library. *Frame Finder*. Website (n.d.). Accessed September 2022. https://mil.library.ucsb.edu/ap_indexes/FrameFinder/.

U.S. Department of the Interior. *Earth Explorer*. Website (n.d.) Accessed September 2022. https://earthexplorer.usgs.gov/.

Assessor Parcel Map



Source: Assessor's Map Book 1-88, County of Orange Assessor's Office.

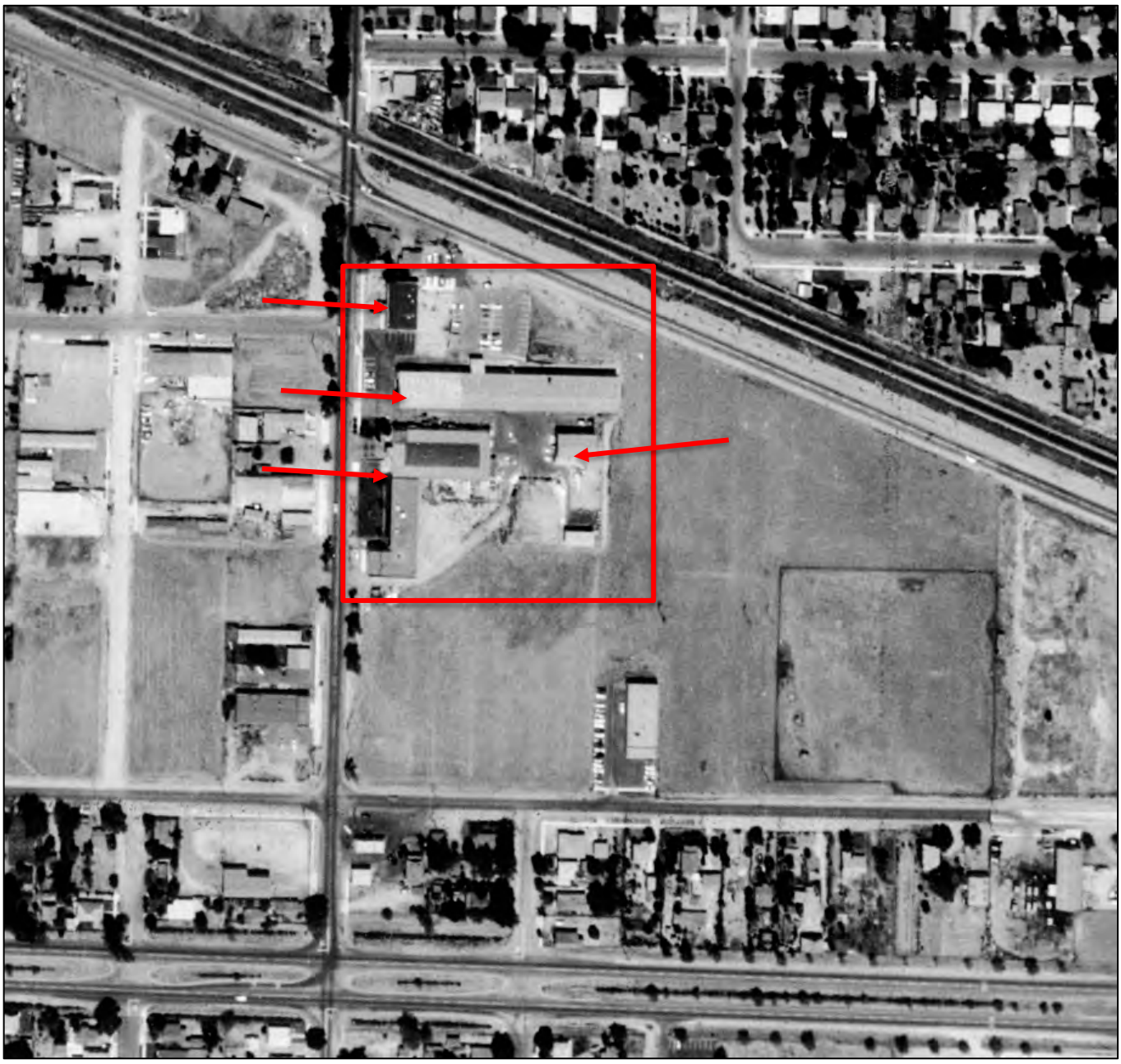
Historic Aerials

1935 aerial of the subject property and surrounding area. No structures are visible on the parcel. Source: Frame Finder, UC Santa Barbara Library.

1947 aerial of the evaluated property and surrounding area. No structures are visible on the property. The property was not improved until 1948.
Source: Frame Finder, UC Santa Barbara Library.

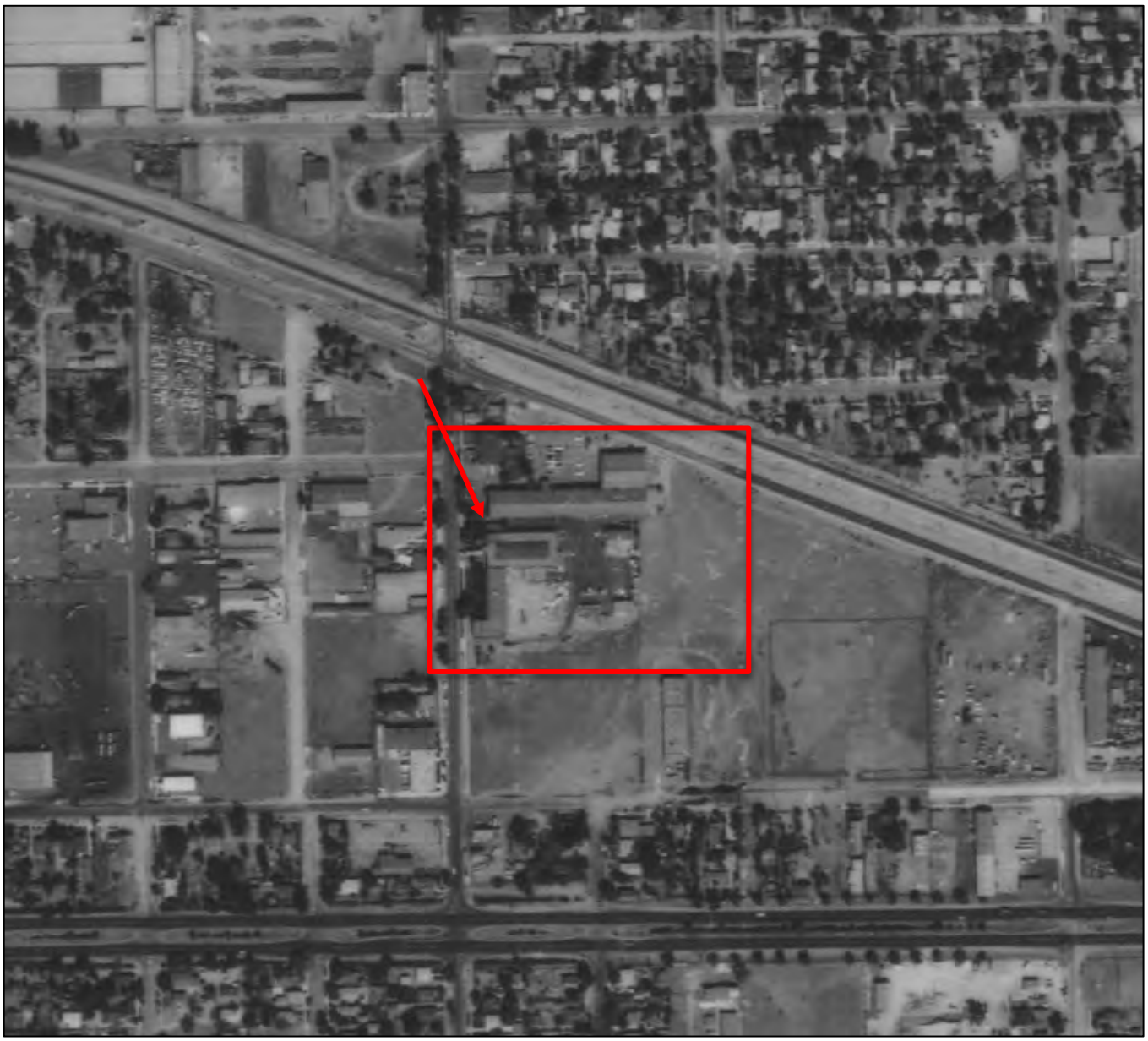
1948 aerial of the evaluated property and the surrounding area. The first of the five buildings were constructed on the property. The one-story building featured a barrel roof, a rectangular floorplan, industrial overhead doors, and multi-pane windows.
Source: Frame Finder, UC Santa Barbara Library.

1952 aerial of the evaluated property and the surrounding area. The building continues to appear in its original footprint. In 1953, an addition was constructed appended to the south elevation of the existing building. Source: Frame Finder, UC Santa Barbara Library.



1960 aerial of the evaluated property and the surrounding area. In 1953, an addition was added to the 1948 building, altering the original footprint of the building. During the 1950s, additional ancillary buildings were constructed on the subject property including: a prefabricated warehouse constructed in ca.1956 and an additional prefabricated warehouse constructed in ca.1959. A small storage shed is also visible in the photo south of the ca.1956 warehouse. In ca. 1960, an additional office building was added to the property.
Source: Frame Finder, UC Santa Barbara Library.

1966 aerial of the evaluated property and the surrounding area. During the 1960s, two additions were made to two of the subject buildings: in ca. 1964, an addition was appended to the northeast corner of the prefabricated warehouse constructed in ca.1959 and an office addition was appended to the northwest corner of the 1948 building in ca.1968.
Source: Frame Finder, UC Santa Barbara Library.



1968 aerial of the evaluated property and the surrounding area. The office addition was appended to the northwest corner of the 1948 building is faintly visible in the aerial.
Source: Frame Finder, UC Santa Barbara Library.

1980 aerial of the evaluated property and the surrounding area. In ca.1980, a reinforced concrete addition was appended to the ca.1959 building's west elevation.
Source: Frame Finder, UC Santa Barbara Library.

1994 aerial of the evaluated property and the surrounding area.
Source: Frame Finder, UC Santa Barbara Library.

Newspaper and Genealogical Database Search Results for Owners and Occupant

The Bestile Manufacturing Company's main headquarters was located at 419 S. Sultana Avenue in Ontario. In 1948, the company constructed a second plant at 627 S. Bon View Avenue.
Source: 1939, Doug White, "H1.1-Heavy Duty Industrial Misc. Bestile Mfg. Co." Courtesy of the *Huntington Library.*

PERMIT IS ISSUED FOR NEW INDUSTRIAL PLANT

ONTARIO, Oct. 18 — Ontario took another big step forward industrially yesterday when City Building inspector M. G. Riddle issued a permit to the Bestile Manufacturing Co. authorizing an expenditure of $35,000, for the first unit of the long-contemplated new plant.

The structure, covering an area 81 by 161 feet, will be of reinforced concerte construction and, standing at 621 Bon View avenue, will serve chiefly as a warehouse.

It is to be so constructed that it may easily be added to and the plant will eventually cover an area of 30,000 square feet and entail an expenditure of $100,000.

Harry Grossman, who with his brother, Maurice Grossman, owns the concern, said that plans call for covering their entire plant site north to California boulevard. Negotiations are now under way to secure a spur line from the Union Pacific railroad direct to the new plant, plans for the initial unit calling for a loading dock.

Started in a small way in 1928, the Bestile company, specializing in the manufacture of tile for interior construction, has grown steadily during the past 19 years. With headquarters at 419 South Sultana avenue, which they expect to retain at least for the present. The concern does a large business throughout the 13 western states of the Union. It now gives employment to 70 men and women.

Hanawalt Brothers of LaVerne have the contract for construction of the initial unit. Harry Grossman said it was expected the structure will be completed in four months.

The subject property was initially improved in 1948 with the construction of a one-story reinforced concrete structure built by the Hanawalt Brothers building company. The factory was the second constructed for the Bestile Manufacturing Company in the City of Ontario.
Source: *San Bernardino Sun,* October 19, 1947.

BESTILE MANUFACTURING—The upper two pictures show steps in making aluminum and plastic wall tile, respectively, in the Bestile Manufacturing Co. plant at Ontario. The scene at the top left shows Galie Pearce, Marian Sicosky and Ruth Reccardi dunking baskets of aluminum tile in chemical baths prior to enamel coating. At the top right Alfonso Gonzales runs a sheet of fiber board through a scoring machine as Edward Weed inspects the operation. In the lower left view Maurice Grossman views a sample case of the company's products. The picture directly above is the first unit of the new Bestile factory.

Photo of the 1948 factory's original appearance. In ca.1953, an addition was added to the existing buildings south elevation.
Source: *San Bernardino Sun,* March 27, 1949.

BESTILE PLANT ADDITION—Workmen are shown welding steel inserts imbedded in pre-cast concrete sections of a third unit of the Bestile Manufacturing Company's plant on Bob View Avenue, Ontario, which is currently being constructed. New unit will house an addition to the plant's assembly line for aluminum tile and wallboard. (P-B photo)

In 1953, a precast concrete addition was appended to the south elevation of the existing 1948 building. Source: *Pomona Progress,* March 9, 1953.

Mastic Plant To Be Built

ONTARIO—Construction of a new mastic plant for the Bestile Manufacturing Co. at 621 S. Bon View Ave., is now under way, Maurice Grossman, president, announced Tuesday.

The prefabricated building of latest design, measuring 40x60 feet is being built to accommodate the manufacture of mastic products for use in conjunction with Bestile's aluminum and plastic wall tiles.

Completion is expected by June 15, and production will begin shortly thereafter. Pascoe Steel Corp. of Pomona is the general contractor.

Construction of the building and purchase of the necessary manufacturing equipment is expected to cost in excess of $20,000, Grossman added.

In ca.1956, a prefabricated warehouse clad in corrugated sheet metal was added to the subject property.
Source: *San Bernardino Sun,* May 16, 1956.

Church Gets Permit for Building

ONTARIO—The city has issued a building permit to the Church of Jesus Christ of Latter-day Saints for construction of an $85,000 Sunday school building.

The building will be one story high and will have a basement. The structure will connect with the present church building.

The city also issued permits to Mr. and Mrs. Mateo Pacillas, 817 S. Oaks Ave., for a 12 bed resthome valued at $46,560 and to Bestile Manufacturing Co., 621 S. Bon View Ave., for a $25,000 extension to its tile board manufacturing plant.

Source: *Progressive Bulletin,* January 3, 1964.

LAS Biggest Employer In Ontario

ONTARIO — Lockheed Aircraft Service, with 1,500 employees, is the largest of the 102 manufacturing plants in Ontario.

This is one of the facts listed in the bi-annual industrial survey report published by the Association of Commerce and Industry and outlined by the statewide industrial development committee of the California Chamber of Commerce.

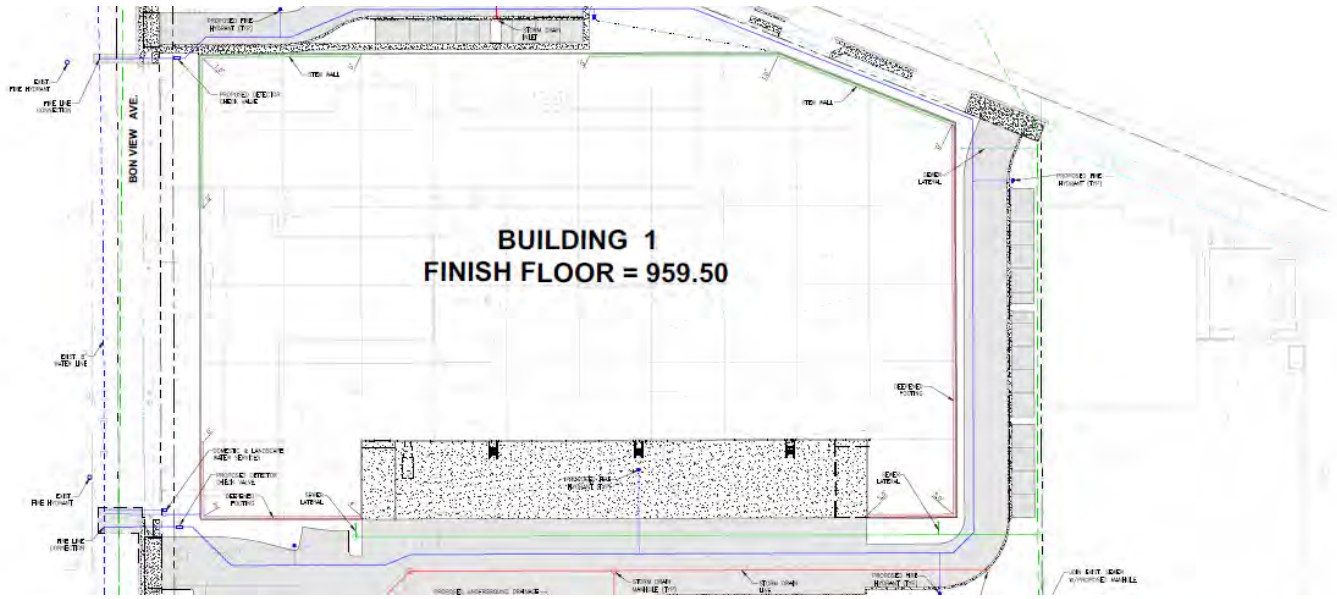
Following LAS in employment are General Electric, with 1,000 workers; Exchange Orange Products, 650; Fruehauf Trailers, 200; Bestile Manufacturing Co., 125; and Barbara Jane Sportswear, 100.

Among the nonmanufacturing firms the leaders are Southern California Edison, with 136 employes; General Telephone, 125; the Daily Report, 118; and Butler Bros. department store, 90.

Source: *Progressive Bulletin,* October 10, 1960.

GEOTECHNICAL INVESTIGATION

Proposed Industrial Development
Bon View Avenue and California Street,
Ontario, California



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NOVA Project No. 3022016
May 16, 2022

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May 16, 2022
NOVA Project No. 3022016

Subject: Geotechnical Investigation
Proposed Industrial Development
Bon View Avenue and California Street, Ontario, CA

Dear Jonah,

NOVA Services, Inc. (NOVA) is pleased to present this report describing the geotechnical investigation and storm water infiltration testing performed for the proposed industrial development located at Bon View Avenue and California Street in Ontario, California. The geotechnical investigation was conducted in general conformance with the scope of work presented in our proposal dated April 18, 2022 and authorized April 19, 2022.

This site is considered geotechnically suitable for the proposed development provided the recommendations in this report are followed.

NOVA appreciates the opportunity to be of service to WPT on this project. If you have any questions regarding this report, please do not hesitate to call us at 949.388.7710.

Sincerely,
NOVA Services, Inc.

Jesse Bearfield, PE
Senior Engineer

REGISTERED PROFESSIONAL ENGINEER
JESSE D. BEARFIELD
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Chelsea Jaeger, CEG
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CERTIFIED ENGINEERING GEOLOGIST
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GEOTECHNICAL INVESTIGATION

Proposed Industrial Development

Bon View Avenue and California Street, California

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1. INTRODUCTION

This report presents the results of the geotechnical investigation NOVA performed for the proposed industrial development at the site located near Bon View Avenue and California Street in Ontario, California. The site corresponds to APN: 1049-181-14-0000. NOVA understands that the project will consist of the design and construction of two at-grade, industrial buildings and associated improvements. The purpose of NOVA's work is to provide conclusions and recommendations regarding the geotechnical aspects of the project. Figure 1-1 shows the approximate location of the proposed building site.

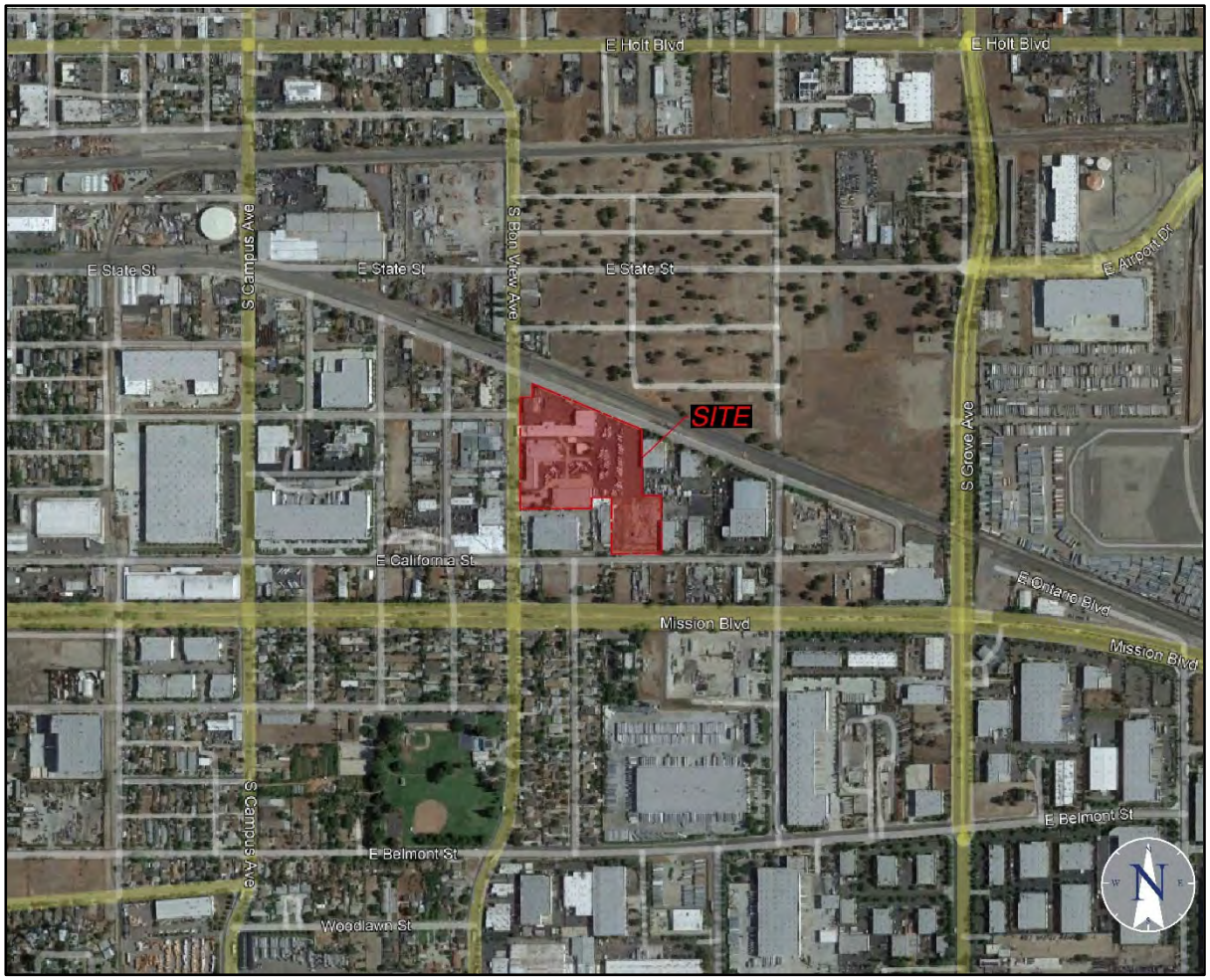


Figure 1-1. Site Location

2. SCOPE OF WORK

2.1. Previous Field Investigation

In 2021 Aragon Geotechnical, Inc. performed a preliminary geotechnical investigation for the proposed development. Their field work consisted of drilling seven (7) geotechnical borings to depths between about 18 and 50 feet below the ground surface (bgs) using a truck mounted hollow-stem auger drill rig. The borings were logged and sampled for laboratory testing. The locations of the borings by others are presented on figure 2-1 and the Geotechnical Map. The logs are presented in Appendix B.

2.2. Supplemental Field Investigation

NOVA's field investigation consisted of drilling six (6) borings (B-1, B-2, and P-1 through P-4) to depths up to about 26.5 feet below ground surface (bgs) using a truck-mounted drill rig equipped with a hollow stem auger. Four (4) of the borings were converted to percolation test wells (P-1 through P-4) to evaluate stormwater infiltration feasibility. Figure 2-1 presents the approximate subsurface exploration locations. The Geotechnical Map, Plate 1, depicts the boring locations on a scaled drawing.

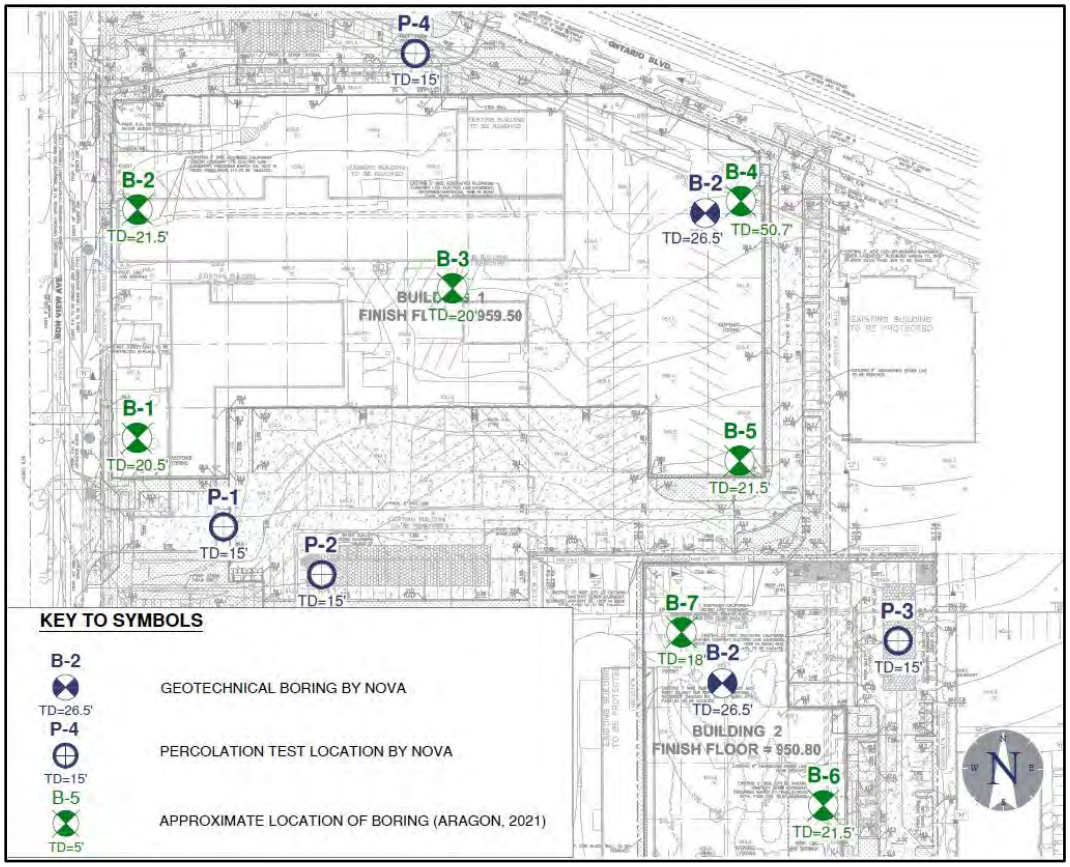


Figure 2-1. Subsurface Exploration Locations

The NOVA geologist maintained a log of all sampling that included descriptions of subsurface materials. Soil was described in accordance with the Unified Soil Classification System (USCS).

Both disturbed and relatively undisturbed samples were recovered from the borings, sampling soils as outlined below.

1. The Standard Penetration Test sampler ('SPT', after ASTM D1586) was driven using a 140-pound hammer falling for 30 inches with a total penetration of 18 inches. Blow counts were recorded for each 6 inches of penetration. SPT blow counts for the final 12 inches of penetration were used to calculate the SPT N value, which is used as an index of soil consistency.
2. The Modified California sampler ('ring sampler', after ASTM D3550) was driven in the same manner as the SPT sampler.
3. Bulk samples were recovered from both near surface soils and distinct soil type changes at depth to provide composite samples for index testing.

The recovered samples were transferred to NOVA's geotechnical laboratory for visual inspection and laboratory testing.

Upon completion, the borings were backfilled with cuttings. The area of each boring was cleaned and left as close to the original condition as feasible. Table 2-1 abstracts the location and depths of the engineering borings. Logs of the borings are presented in Appendix B. Soils are classified according to the Unified Soil Classification System.

Table 2-1. Abstract of the Engineering Borings

Boring Reference	Approx. Ground Surface Elev. (feet, msl)[1]	Total Depth Below Ground Surface (feet)	Elevation at Completion (feet, msl) [1]	Approx. Depth to Groundwater (feet)
B-1	+943	25	+918	Not encountered
B-2	+950	25	+925	Not encountered
P-1	+948	15	+933	Not encountered
P-2	+949	15	+934	Not encountered
P-3	+942	15	+927	Not encountered
P-4	+953	15	+938	Not encountered

Note 1: Elevations are approximate.

2.3. Laboratory Testing

NOVA tested selected samples to evaluate soil classification and engineering properties and develop geotechnical conclusions and recommendations. The laboratory tests consisted of in-situ moisture and density, particle-size distribution, consolidation, laboratory compaction, R-value, corrosivity, and direct shear. Brief descriptions of the test procedures and the results of the

laboratory tests are presented in Appendix C. Laboratory results from previous consultants are also presented.

2.4. Infiltration Testing

Four (4) of the engineering borings, P-1 through P-4, were converted into percolation test wells following the recommendations for infiltration testing presented in the San Bernadino County Technical Guidance Document for Water Quality Management Plans (SD, 2013).

2.5. Analysis and Report Preparation

The results of the field and laboratory testing were evaluated to develop conclusions and recommendations regarding the geotechnical aspects of the proposed construction. This report presents our findings, conclusions, and recommendations.

3. SITE AND PROJECT DESCRIPTION

3.1. Site Description

The site is located northeast of the intersection of Bon View Avenue and California Street in Ontario California. The site corresponds to APN: 1049-181-14-0000. The site is bounded by Ontario Boulevard to the north, industrial developments to the east, Bon View Avenue to the west, and an industrial building and California Street to the south. The site currently supports three large industrial buildings, two smaller structures, RV storage, and associated improvements. The site is relatively level with elevations ranging from about +940 to +950 feet mean sea level (msl).

Review of historic aerial photography of the site vicinity indicates that Bon View Avenue, California Street, and Ontario Avenue were developed prior to 1938. The site was used for agriculture purposes and a structure was built on the site near Bon View Avenue by 1946. Additional buildings were constructed on the site by 1959 and the site remained in this configuration until 2002 when additional structures and parking areas were added.

3.2. Proposed Construction

Based on discussions with the design team and review of the provided grading plan (Stantec, 2022), NOVA understands the project will consist of the design and development of two industrial buildings, parking areas, and associated improvements. Below-grade levels are not anticipated. As currently planned, Building No. 1 will have a finished floor elevation of 959.5 feet msl and Building No. 2 will have a finished floor elevation of 950.8 feet msl. The lower level of the parking structure will generally follow existing grades. A retaining wall will be constructed along the southern portion of the parking structure with a height of approximately 20 feet. Three underground drainage chambers will be constructed for stormwater management.

3.3. Anticipated Earthwork

No grading plan was available at the time of this report. NOVA anticipates that minor amounts of fills and cuts will be required to achieve the proposed elevations. Other anticipated earthwork includes remedial grading, underground utility excavation and backfill, and subgrade preparation. Figure 3-1 (following page) depicts the preliminary construction plan.

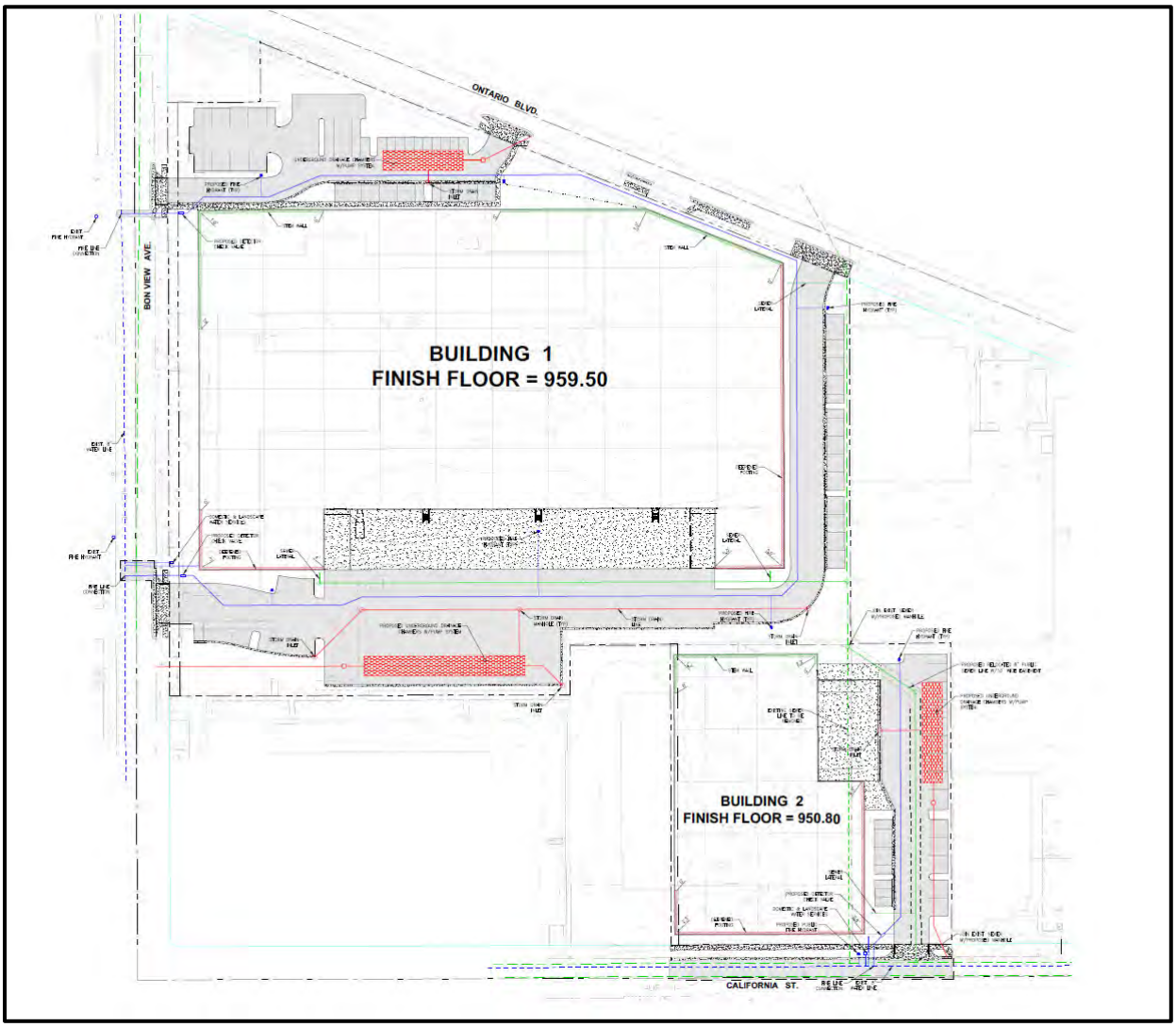


Figure 3-1. Preliminary Construction Plan

4. GEOLOGY AND SUBSURFACE CONDITIONS

The project site lies within the Peninsular Ranges Geomorphic Province of California, which stretches from the Los Angeles basin to the tip of Baja California in Mexico (CGS, 2002). More specifically, the site is located within the broad San Bernardino Basin that is bounded on the north by the San Gabriel Mountains. The site is located on a large alluvial fan deposit generated by the San Antonio Creek watershed that emanates from the San Gabriel Range (CGS 2003). Regional topography is dominated by the presence of the faults that define the mountains and hills of the Southern California region, including the Cucamonga Fault that locally defines the southern boundary of the San Gabriel Range, the Chino Fault that bounds the Chino Hills west of the site, and the San Jacinto and San Andreas Faults to the east of the site. The Santa Ana River is located several miles south of the site where it flows to the southwest through the Prado dam area.

NOVA's subsurface investigation indicates that the site is underlain by Quaternary Young Alluvial Fan Deposits (map symbol - Qyf). Minor amounts of older artificial fill may be present from previous development at the site. Descriptions of the materials encountered are presented below. Figure 4-1 (following page) presents the regional geology in the vicinity of the site. Plate 1 following the text of the report provides a geotechnical map and cross-section.

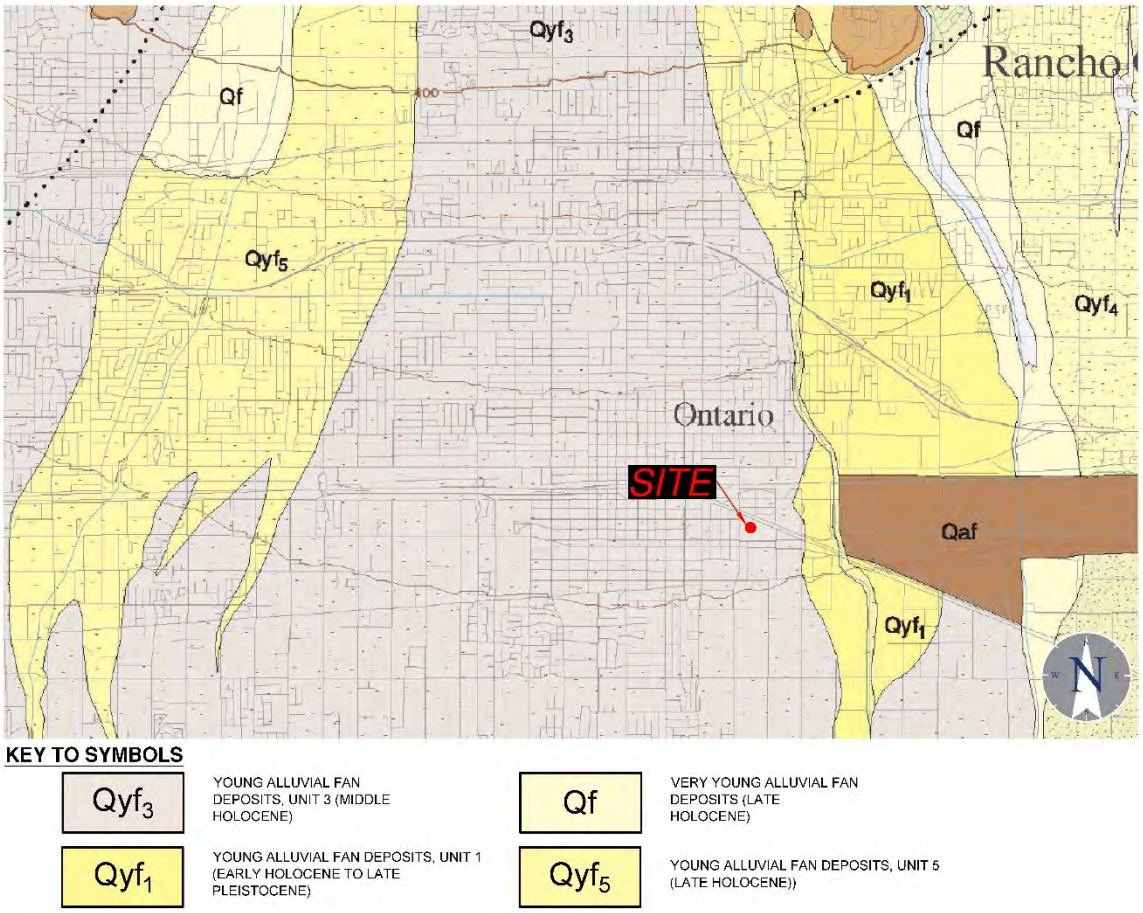


Figure 4-1. Regional Geology Map

Quaternary Young Alluvial Fan Deposits (Qyf): Young alluvial fan deposits were encountered in all of the borings and others to the maximum explored depth of 50 feet below the ground surface. The alluvial fan deposits primarily consisted of loose to dense, slightly moist sand, gravel, and cobbles.

Figure 4-2. Young Alluvial Fan Deposits in Boring B-1

Groundwater: Groundwater was not encountered in the borings. Groundwater is not expected to be a constraint to development. Groundwater and/or groundwater seepage conditions may occur in the future due to changes in land use and/or following periods of heavy rain. Seasonal fluctuations of groundwater elevations should be expected over time. In general, groundwater levels fluctuate with the seasons and local zones of perched groundwater may be present within the near-surface deposits due to local landscape irrigation or precipitation, especially during rainy seasons.

5. GEOLOGIC HAZARDS

5.1. Faulting and Surface Rupture

California is known to contain active faults that can potentially cause significant damage during earthquakes. The Alquist-Priolo Earthquake Fault Zoning Act was implemented in 1972 to prevent the development over the surface trace of active faults. California Geologic Survey Special Publication 42 was created to provide guidance for following and implementing the law requirements. Special Publication 42 was most recently revised in 2018 (CGS, 2018). The State Geologist defines an “active” fault as one which has had surface rupture within recent geologic time (i.e., Holocene time, <11,700 years b.p.). Earthquake Fault Zones have been delineated to encompass traces of known, Holocene-active faults to address hazards associated with fault surface rupture within California. Where developments for human occupation are proposed within these zones, the state requires detailed fault evaluations be performed so that engineering geologists can identify the locations of active faults and recommend setbacks from locations of possible surface fault rupture.

The site is not located within an Earthquake Fault Zone. No faults were identified on the site during the site evaluation. The possibility of damage due to surface rupture is considered low since no active faults are known to cross the site. The closest known active faults are the Cucamonga section of the Sierra Madre Fault Zone, located approximately 6.4 miles north of the site, and the Chino section of the Elsinore Fault Zone, located approximately 7.0 miles southwest of the site. Figure 5-1 (following page) shows the locations regional faulting in the general site area.

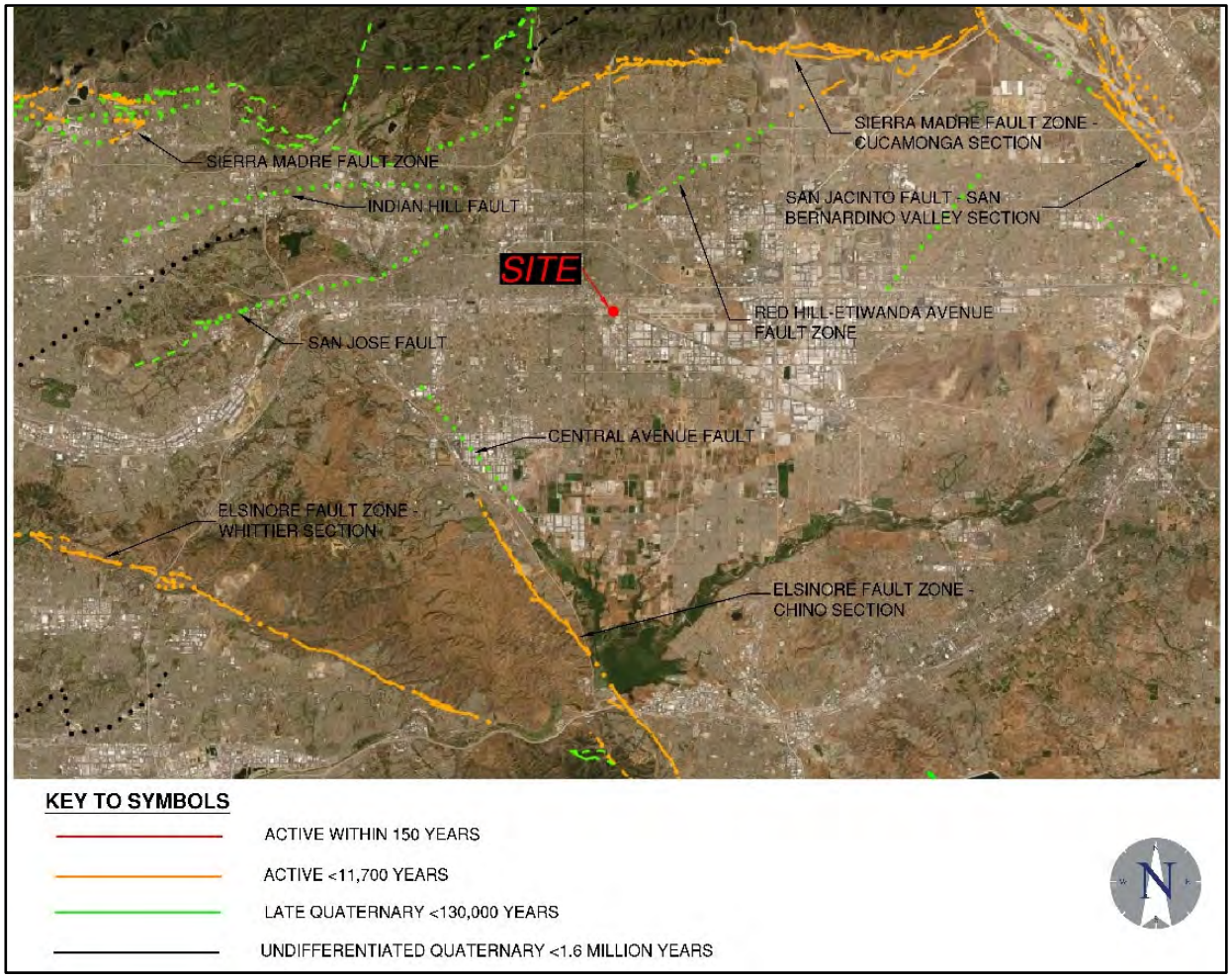


Figure 5-1. Faulting in the Site Vicinity

5.2. CBC Seismic Design Parameters

A geologic hazard likely to affect the project is ground shaking as a result of movement along an active fault zone in the vicinity of the subject site. The site coefficients and maximum considered earthquake (MCE_R) spectral response acceleration parameters in accordance with the 2019 CBC and ASCE 7-16 are presented in Table 5-1 (following page).

Table 5-1. 2019 CBC and ASCE 7-16 Seismic Design Parameters

Site Coordinates	
Latitude: 34.057681°	Longitude: -117.634331°
Site Coefficients and Spectral Response Acceleration Parameters	**Value**
Site Class	D
Site Coefficients, F_a	1.0
Site Coefficients, F_v	1.7
Mapped Spectral Response Acceleration at Short Period, S_s	1.5
Mapped Spectral Response Acceleration at 1-Second Period, S_1	0.582
Mapped Design Spectral Acceleration at Short Period, S_{DS}	1.0
Design Spectral Acceleration at 1-Second Period, S_{D1}	0.667
Site Peak Ground Acceleration, PGA_M	0.594

5.3. Landslides and Slope Stability

Evidence of landslides, deep-seated landslides, or slope instabilities were not observed at the time of NOVA's field evaluation. Additionally, there are no mapped landslides in the vicinity of the project site. Due to the flat topography of the site, the potential for landslides or slope instabilities to occur at the site is considered negligible.

5.4. Liquefaction and Dynamic Settlement

Liquefaction occurs when loose, saturated, generally fine sands and silts are subjected to strong ground shaking. The soils lose shear strength and become liquid, resulting in large total and differential ground surface settlements, as well as possible lateral spreading during an earthquake. Due to the lack of shallow groundwater and given the dense nature of the materials beneath the site, the potential for liquefaction and dynamic settlement to occur is considered low.

5.5. Flooding, Tsunamis, and Seiches

The site is mapped within an area of minimal flood hazard (FEMA, 2015). The site is not located within a mapped area on the State of California Tsunami Inundation Maps (Cal EMA, 2009); therefore, damage due to tsunamis is considered low. Seiches are periodic oscillations in large bodies of water such as lakes, harbors, bays, or reservoirs. The site is not located adjacent to any lakes or confined bodies of water; therefore, the potential for a seiche to affect the site is considered negligible.

5.6. Subsidence

The site is located in an area of known subsidence associated with fluid withdrawal (groundwater or petroleum). The site is located within the Chino Groundwater Basin which has experienced regional subsidence since the early 1900s. Earth fissures related to subsidence were documented

around 4 miles southeast. However, the subsidence in the Ontario area has occurred gradually over a broad area. There are no areas of sharp, differential settlement that would indicate a threat of earth fissures (WE 2013). The site will likely experience regional subsidence but it should not effect the proposed construction.

5.7. Hydro-Consolidation

Hydro-consolidation can occur in recently deposited sediments (less than 10,000 years old) that were deposited in a semi-arid environment. Examples of such sediments are eolian sands, alluvial fan deposits, and mudflow sediments deposited during flash floods. The pore spaces between the particle grains can re-adjust when inundated by groundwater, causing the material to consolidate. The existing near surface fine-grained sands may be considered moderately susceptible to hydro-consolidation. The potential for hydro-consolidation will be reduced by over-excavation and compaction of the near surface soils. Remedial grading recommendations addressing this concern are provided in subsequent sections of this report.

6. CONCLUSIONS

Based on the results of NOVA's investigation, we consider the proposed construction feasible from a geotechnical standpoint provided the recommendations contained in this report are followed. Geotechnical conditions exist that should be addressed prior to construction. Geotechnical design and construction considerations include the following.

- There are no known active faults underlying the site. The primary seismic hazard at the site is the potential for moderate to severe ground shaking in response to large-magnitude earthquakes generated during the lifetime of the proposed construction. The risk of strong ground motion is common to all construction in southern California and is typically mitigated through building design in accordance with the CBC. While strong ground motion could affect the site, the risk of liquefaction or dynamic settlement is considered negligible.
- The site is underlain by Quaternary Younger Alluvial Fan Deposits that are generally considered generally suitable for support of fill or structural loads. However, the upper, weathered and fine sands portions are considered potentially compressible and unsuitable for support of the proposed structure. Remedial grading recommendations are provided in this report.
- The on-site silty sand is anticipated to have a very low expansion potential. These soils are suitable for reuse as compacted fill.
- In general, excavations at the site are anticipated to be achievable using standard heavy earthmoving equipment in good-working order with experienced operators.
- Oversize materials (rocks larger than 6 inches in maximum dimension) will require reduction in size or hauling off-site. If feasible, crushing oversized materials on-site may be considered.
- The proposed buildings can be supported on shallow spread footings with bottom levels bearing entirely on compacted fill. Recommendations for foundations are provided in this report.
- Groundwater was not encountered in the borings. The groundwater table is expected to be below a depth (>100 feet bgs) that could influence the planned construction. However, perched groundwater commonly occurs where permeable material overlies less permeable materials. Groundwater seepage may occur in the future due to rainfall, irrigation, broken pipes, or changes in site drainage. Because groundwater seepage is difficult to predict, such conditions are typically mitigated if and when they occur.
- Field testing resulted in infiltration rates between 12.2 and 70.2 inches per hour. These infiltration rates do not include any factor of safety which is required for the design infiltration rate. Infiltration is discussed further in Section 8 of this report.

7. RECOMMENDATIONS

The remainder of this report presents recommendations regarding earthwork construction as well as preliminary geotechnical recommendations for the design of the proposed improvements. These recommendations are based on empirical and analytical methods typical of the standard-of-practice in southern California. If these recommendations appear not to address a specific feature of the project, please contact NOVA for additions or revisions to the recommendations. The recommendations presented herein may need to be updated once final plans are developed.

7.1. Earthwork

Grading and earthwork should be conducted in accordance with the CBC and the recommendations of this report. The following recommendations are provided regarding specific aspects of the proposed earthwork construction. These recommendations should be considered subject to revision based on field conditions observed by a NOVA field representative during grading.

7.1.1 Site Preparation

Site preparation should begin with the removal of existing improvements, vegetation, and debris. Subsurface improvements that are to be abandoned should be removed, and the resulting excavations should be backfilled and compacted in accordance with the recommendations of this report. Pipeline abandonment can consist of capping or rerouting at the project perimeter and removal within the project perimeter. If appropriate, abandoned pipelines can be filled with grout or slurry as recommended by and observed by the geotechnical consultant.

7.1.2 Remedial Grading – Building Pad

The proposed buildings should not be underlain by cut/fill transitions or transitions from shallow fill to deep fill. To mitigate such transitions and reduce the potential for differential settlement, buildings should be supported entirely on a relatively uniform thickness of compacted fill. Recommendations are provided below.

Beneath the proposed building pads, any existing fill and near surface fine sands should be excavated to expose competent bottom and replaced with compacted fill to provide a relatively uniform thickness of compacted fill beneath the entire building and reduce the potential for differential settlement. The excavation depth should be at least 4 to 5 feet below finished pad grade, and at least 2 feet below the deepest footing bottom elevation. Deeper removals and excavation may be necessary if loose, soft, or wet soils are encountered at the excavation bottom. Deeper excavation is anticipated near NOVA Boring B-2 located at the northeastern portion of Building No. 1. The depth of deepened removal is this area is anticipated to be a maximum of about 10 feet, but should be evaluated by a NOVA engineer or geologist during remedial grading operations.

Horizontally, excavations should extend at least 5 feet outside the planned perimeter building foundations or up to existing improvements, whichever is less. The resulting excavation should then be filled to the finished pad grade with compacted fill having an expansion index of 50 or less.

7.1.3 Remedial Grading – Pedestrian Hardscape

Beneath proposed pedestrian hardscape areas, the existing fill should be excavated to a depth of at least 2 feet below existing grade or planned subgrade elevation, whichever is deeper. Horizontally, excavations should extend at least 2 feet outside the planned hardscape or up to existing improvements, whichever is less. NOVA should observe the conditions exposed in the bottom of excavations to evaluate whether additional excavation is recommended. The resulting surface should then be scarified to a depth of 6 to 8 inches, moisture conditioned to slightly above optimum moisture content, and compacted to at least 90% relative compaction. The excavation should be filled with compacted fill having an expansion index of 50 or less.

7.1.4 Remedial Grading – Vehicular Pavements

Beneath proposed vehicular pavement areas, the existing fill should be excavated to a depth of at least 2 feet below existing grade or planned subgrade elevation, whichever is deeper. Horizontally, excavations should extend at least 2 feet outside the planned pavement or up to existing improvements, whichever is less. NOVA should observe the conditions exposed at the bottom of excavations to evaluate whether additional excavation is recommended. The resulting surface should then be scarified to a depth of 6 to 8 inches, moisture conditioned to slightly above optimum moisture content, and compacted to at least 90% relative compaction. The excavation should be filled with material suitable for reuse as compacted fill.

7.1.5 Remedial Grading – Site Walls and Retaining Walls

Beneath proposed site walls and retaining walls not connected to buildings, the existing fill should be excavated to a depth of at least 2 feet below bottom of footing. Horizontally, excavations should extend at least 2 feet outside the planned wall footing, or up to existing improvements, whichever is less. NOVA should observe the conditions exposed at the bottom of excavations to evaluate whether additional excavation is recommended. Any required fill should have an expansion index of 50 or less.

7.1.6 Geologic Mapping

Excavation bottoms and backcuts should be geologically mapped by the geotechnical consultant during earthwork construction to confirm the anticipated conditions. The grading contractor should trim the backcuts with a slope board to remove loose material to allow for confirmation mapping. Updated and/or revised geotechnical recommendations may be required based on observed conditions.

7.1.7 Expansive Soil

On-site soils were tested by others to have an expansion index of 10, classified as very low expansion potential. To reduce the potential for expansive heave, the top 2 feet of material beneath building footings, concrete slabs-on-grade, hardscape, and site and retaining wall footings should have an expansion index of 50 or less. Horizontally, the soils having an expansion index of 50 or less should extend at least 5 feet outside the planned perimeter building foundations, at least 2 feet outside hardscape and site/retaining wall footings, or up to existing improvements, whichever is less. NOVA anticipates that the on-site silty sand will meet the expansion index criteria.

7.1.8 Compacted Fill

Excavated material, except for soil containing roots, debris, and rocks greater than 6 inches, can be used as compacted fill. Fill and backfill should be placed in 6- to 8-inch-thick loose lifts, moisture conditioned to near optimum moisture content, and compacted to at least 90% relative compaction. The maximum density and optimum moisture content for the evaluation of relative compaction should be determined in accordance with ASTM D1557. Utility trench backfill beneath structures, pavements, and hardscape should be compacted to at least 90% relative compaction. The top 12 inches of subgrade beneath pavements should be compacted to at least 95% relative compaction.

7.1.9 Imported Soil

Imported soil should consist of predominately granular soil, free of organic matter and rocks greater than 6 inches. Imported soil should be observed and, if appropriate, tested by NOVA prior to transport to the site to evaluate suitability for the intended use.

7.1.10 Subgrade Stabilization

Excavation bottoms should be firm and unyielding prior to placing fill. If areas of saturated or yielding subgrade are encountered during remedial grading, a reinforcing geogrid such as Tensar® Triax® TX-5 or equivalent can be placed on the excavation bottom, and then at least 12 inches of aggregate base placed and compacted. Once the surface of the aggregate base is firm enough to achieve compaction, then the remaining excavation should be filled to finished pad grade with suitable material.

7.1.11 Excavation Characteristics

It is anticipated that excavations within the onsite soils can be achieved with conventional earthwork equipment in good working order. Gravel, cobbles, and potentially boulders should also be anticipated.

7.1.12 Oversized Material

Excavations are anticipated to generate oversized material, particularly excavations below 10 feet in depth. Oversized material is defined as rocks or cemented clasts greater than 6 inches in

largest dimension. Due to the size of the planned fills, on-site disposal of oversized material is not considered feasible. Oversized material should be broken down to no greater than 6 inches in largest dimension for use in fill, used as landscape material, or disposed of off-site.

7.1.13 Temporary Excavations

Temporary excavations 4 feet deep or less can be made vertically. Deeper temporary excavations in fill should be laid back no steeper than 1:1 (horizontal:vertical).

The faces of temporary slopes should be inspected daily by the contractor's Competent Person before personnel are allowed to enter the excavation. Any zones of potential instability, sloughing, or raveling should be brought to the attention of the engineer and corrective action implemented before personnel begin working in the excavation. Excavated soils should not be stockpiled behind temporary excavations within a distance equal to the depth of the excavation. NOVA should be notified if other surcharge loads are anticipated so that lateral load criteria can be developed for the specific situation. If temporary slopes are to be maintained during the rainy season, berms are recommended along the tops of slopes to prevent runoff water from entering the excavation and eroding the slope faces.

Slopes steeper than those described above will require shoring. Additionally, temporary excavations that extend below a plane inclined at 1½:1 (h:v) downward from the outside bottom edge of existing structures or improvements will require shoring. Soldier piles and lagging, internally braced shoring, or trench boxes could be used. If trench boxes are used, the soil immediately adjacent to the trench box is not directly supported. Ground surface deformations immediately adjacent to the pit or trench could be greater where trench boxes are used compared to other methods of shoring.

7.1.14 Temporary Shoring

While the need for shoring is not anticipated, the following provides recommendations for temporary shoring. For design of cantilevered shoring with level backfill, an active earth pressure equal to a fluid weighing 35 pcf can be used. An additional 20 pcf should be added for 2:1 (h:v) sloping ground. The surcharge loads on shoring from traffic and construction equipment working adjacent to the excavation can be modeled by assuming an additional 2 feet of soil behind the shoring. For design of soldier piles, an allowable passive pressure of 250 pounds per square foot (psf) per foot of embedment can be used, over two times the pile diameter up to a maximum of 3,500 psf. Soldier piles should be spaced at least three pile diameters, center to center. Continuous lagging will be required throughout. The soldier piles should be designed for the full anticipated lateral pressure; however, the pressure on the lagging will be less due to arching in the soils. For design of lagging, the earth pressure can be limited to a maximum of 400 psf.

7.1.15 Slopes

Permanent slopes should be constructed no steeper than 2:1 (h:v). Faces of fill slopes should be compacted either by rolling with a sheepsfoot roller or other suitable equipment, or by overfilling and cutting back to design grade. Fills should be benched into sloping ground inclined steeper

than 5:1 (h:v). In NOVA's opinion, slopes constructed no steeper than 2:1 (h:v) will possess an adequate factor of safety. An engineering geologist should observe cut slopes during grading to ascertain that no unforeseen adverse geologic conditions are encountered that require revised recommendations. Slopes are susceptible to surficial slope failure and erosion. Water should not be allowed to flow over the top of slope. Additionally, slopes should be planted with vegetation that will reduce the potential for erosion.

7.1.16 Surface Drainage

Final surface grades around structures should be designed to collect and direct surface water away from structures, including retaining walls, and toward appropriate drainage facilities. The ground around the structure should be graded so that surface water flows rapidly away from the structure without ponding. In general, we recommend that the ground adjacent to the structure slope away at a gradient of at least 2%. Densely vegetated areas where runoff can be impaired should have a minimum gradient of at least 5% within the first 5 feet from the structure. Roof gutters with downspouts that discharge directly into a closed drainage system are recommended on structures. Drainage patterns established at the time of fine grading should be maintained throughout the life of the proposed structures. Site irrigation should be limited to the minimum necessary to sustain landscape growth. Should excessive irrigation, impaired drainage, or unusually high rainfall occur, saturated zones of perched groundwater can develop.

7.1.17 Grading Plan Review

NOVA should review the grading plans and earthwork specifications to ascertain whether the intent of the recommendations contained in this report have been implemented, and that no revised recommendations are needed due to changes in the development scheme.

7.2. Foundations

The foundation recommendations provided herein are considered generally consistent with methods typically used in southern California. Other alternatives may be available. NOVA's recommendations are only minimum criteria based on geotechnical factors and should not be considered a structural design, or to preclude more restrictive criteria of governing agencies or by the structural engineer. The design of the foundation system should be performed by the project structural engineer, incorporating the geotechnical parameters described herein and the requirements of applicable building codes.

The proposed buildings can be supported on shallow spread footings with bottom levels bearing entirely on compacted fill. Site walls and retaining walls not connected to buildings can be supported on spread footings with bottom levels bearing on compacted fill.

7.2.1 Spread Footings

Footings should extend at least 24 inches below lowest adjacent finished grade. A minimum width of 18 inches is recommended for continuous footings and 24 inches for isolated or wall footings. An allowable bearing capacity of 2,500 psf can be used for footings supported on compacted fill.

The bearing value can be increased by ⅓ when considering the total of all loads, including wind or seismic forces. Footings located adjacent to or within slopes should be extended to a depth such that a minimum horizontal distance of 10 feet exists between the lower outside footing edge and the face of the slope.

Lateral loads will be resisted by friction between the bottoms of footings and passive pressure on the faces of footings and other structural elements below grade. An allowable coefficient of friction of 0.35 can be used. An allowable passive pressure of 250 psf per foot of depth below the ground surface can be used for level ground conditions. The allowable passive pressure should be reduced for sloping ground conditions. The passive pressure can be increased by ⅓ when considering the total of all loads, including wind or seismic forces. The upper 1 foot of soil should not be relied on for passive support unless the ground is covered with pavements or slabs.

7.2.2 Settlement Characteristics

Total foundation settlements are estimated to be less than about ½ to ¾-inch. Differential settlements between adjacent columns and across continuous footings are estimated to be less than ½-inch over a distance of 40 feet. Settlements should be completed shortly after structural loads are applied.

7.2.3 Foundation Plan Review

NOVA should review the foundation plans to ascertain that the intent of the recommendations in this report has been implemented and that revised recommendations are not necessary as a result of changes after this report was completed.

7.2.4 Foundation Excavation Observations

A representative from NOVA should observe the foundation excavations prior to forming or placing reinforcing steel.

7.3. Interior Slabs-On-Grade

Interior concrete slabs-on-grade should be underlain by at least 2 feet of material with an expansion index of 50 or less. We recommend that conventional concrete slab-on-grade floors be at least 5 inches thick and reinforced with at least No. 4 bars at 18 inches on center each way. To reduce the potential for excessive cracking, concrete slabs-on-grade should be provided with construction or ‘weakened plane’ joints at frequent intervals. The project structural engineer should design on-grade building slabs and joint spacing.

Moisture protection should be installed beneath slabs where moisture sensitive floor coverings will be used. The project architect should review the tolerable moisture transmission rate of the proposed floor covering and specify an appropriate moisture protection system. Typically, a plastic vapor barrier is used. Minimum 15-mil plastic is recommended. The plastic should comply with ASTM E1745. The vapor barrier installation should comply with ASTM E1643. The slab can be placed directly on the vapor barrier.

7.4. Hardscape

Hardscape should be underlain by at least 2 feet of material with an expansion index of 50 or less. Exterior slabs should be at least 4 inches in thickness and reinforced with at least No. 3 bars at 18 inches on center each way. Slabs should be provided with weakened plane joints. Joints should be placed in accordance with the American Concrete Institute (ACI) guidelines. The project architect should select the final joint patterns. A 1-inch maximum size aggregate mix is recommended for concrete for exterior slabs. The corrosion potential of on-site soils with respect to reinforced concrete will need to be taken into account in concrete mix design. Coarse and fine aggregate in concrete should conform to the “Greenbook” Standard Specifications for Public Works Construction.

7.5. Conventional Retaining Walls

Conventional retaining walls can be supported on spread footings. The recommendations for spread footings provided in the foundation section of this report are also applicable to conventional retaining walls.

The active earth pressure for the design of unrestrained retaining walls with level backfill can be taken as equivalent to the pressure of a fluid weighing 35 pcf. The at-rest earth pressure for the design of restrained retaining wall with level backfill can be taken as equivalent to the pressure of a fluid weighing 55 pcf. These values assume a granular and drained backfill condition. Higher lateral earth pressures would apply if walls retain clay soils. An additional 20 pcf should be added to these values for walls with 2:1 (h:v) sloping backfill. An increase in earth pressure equivalent to an additional 2 feet of retained soil can be used to account for surcharge loads from light traffic. The above values do not include a factor of safety. Appropriate factors of safety should be incorporated into the design. If any other surcharge loads are anticipated, NOVA should be contacted for the necessary increase in soil pressure.

If required, the seismic earth pressure can be taken as equivalent to the pressure of a fluid pressure weighing 15 pcf. This value is for level backfill and does not include a factor of safety. Appropriate factors of safety should be incorporated into the design. This pressure is in addition to the un-factored, active earth pressure. The total equivalent fluid pressure can be modeled as a triangular pressure distribution with the resultant acting at a height of H/3 up from the base of the wall, where H is the retained height of the wall. The passive pressure and bearing capacity can be increased by ⅓ in determining the seismic stability of the wall.

Retaining walls should be provided with a backdrain to reduce the accumulation of hydrostatic pressures or be designed to resist hydrostatic pressures. Backdrains can consist of a 2-foot-wide zone of ¾-inch crushed rock. The crushed rock should be separated from the adjacent soils using a non-woven filter fabric, such as Mirafi 140N or equivalent. A perforated pipe should be installed at the base of the backdrain and sloped to discharge to a suitable storm drain facility, or weep holes should be provided. As an alternative, a geocomposite drainage system such as Miradrain 6000 or equivalent placed behind the wall and connected to a suitable storm drain facility can be used. The project architect should provide dampproofing/waterproofing specifications and details.

Figure 7-1 presents typical conventional retaining wall backdrain details. Note that the guidance provided on Figure 7-1 is conceptual. A variety of options are available to drain retaining walls.

Wall backfill should consist of granular, free-draining material having an expansion index of 20 or less. The backfill zone is defined by a 1:1 plane projected upward from the heel of the wall. Expansive or clayey soil should not be used. Additionally, backfill within 3 feet from the back of the wall should not contain rocks greater than 3 inches in dimension. Backfill should be compacted to at least 90% relative compaction. Backfill should not be placed until walls have achieved adequate structural strength. Compaction of wall backfill will be necessary to minimize settlement of the backfill and overlying settlement sensitive improvements. However, some settlement should still be anticipated. Provisions should be made for some settlement of concrete slabs and pavements supported on backfill. Additionally, any utilities supported on backfill should be designed to tolerate differential settlement.

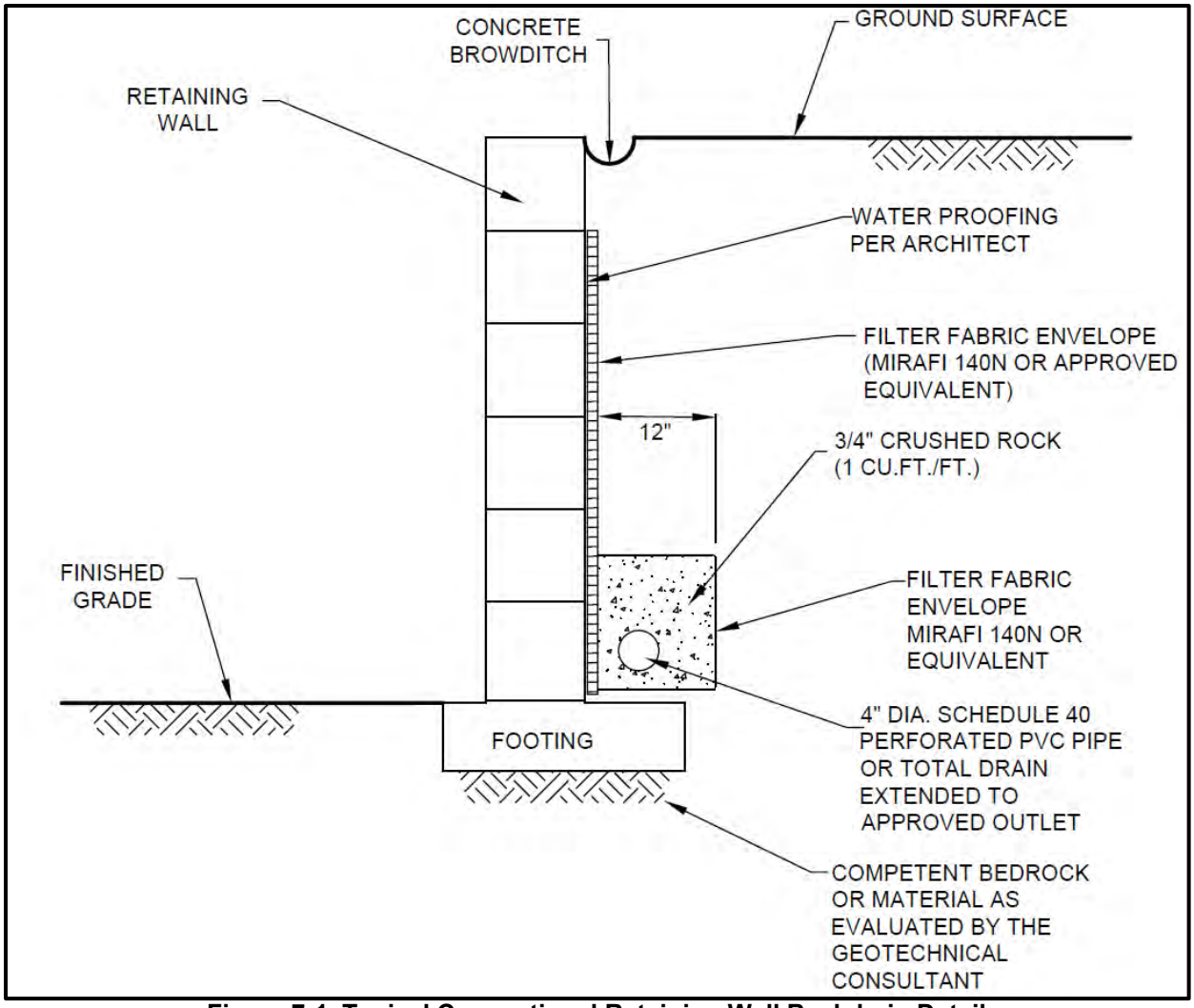


Figure 7-1. Typical Conventional Retaining Wall Backdrain Detail

7.6. Pipelines

For level ground conditions, a passive earth pressure of 250 psf per foot of depth below the lowest adjacent final grade can be used to compute allowable thrust block resistance. A value of 150 psf per foot should be used below groundwater level, if encountered.

A modulus of soil reaction (E') of 1,500 psi can be used to evaluate the deflection of buried flexible pipelines. This value assumes that granular bedding material is placed adjacent to the pipe and is compacted to at least 90% relative compaction.

Pipe bedding as specified in the "Greenbook" Standard Specifications for Public Works Construction can be used. Bedding material should consist of clean sand having a sand equivalent not less than 20 and should extend to at least 12 inches above the top of pipe. Alternative materials meeting the intent of the bedding specifications are also acceptable. Samples of materials proposed for use as bedding should be provided to the engineer for inspection and testing before the material is imported for use on the project. The on-site materials are not expected to meet "Greenbook" bedding specifications. The pipe bedding material should be placed over the full width of the trench. After placement of the pipe, the bedding should be brought up uniformly on both sides of the pipe to reduce the potential for unbalanced loads. No voids or uncompacted areas should be left beneath the pipe haunches. Ponding or jetting the pipe bedding should not be allowed.

Where pipeline inclinations exceed 15%, cutoff walls are recommended in trench excavations. Additionally, we do not recommend that open graded rock be used for pipe bedding or backfill because of the potential for piping erosion. The recommended bedding is clean sand having a sand equivalent not less than 20 or 2-sack sand/cement slurry. If sand/cement slurry is used for pipe bedding to at least 1 foot over the top of the pipe, cutoff walls are not considered necessary. The need for cutoff walls should be further evaluated by the project civil engineer designing the pipeline.

7.7. Corrosivity

Representative samples of the on-site soils were tested to evaluate corrosion potential. The test results are presented in Appendix C. The project design engineer can use the sulfate results in conjunction with ACI 318 to specify the water/cement ratio, compressive strength, and cementitious material types for concrete exposed to soil. A corrosion engineer should be contacted to provide specific corrosion control recommendations.

7.8. Pavement Section Recommendations

The pavement support characteristics of the soils encountered during NOVA's investigation are considered high. An R-value of 65 was assumed for design of preliminary pavement sections. The actual R-value of the subgrade soils should be determined after grading, and the final pavement sections should be provided. Based on an R-value of 50, the following preliminary pavement structural sections are provided for the assumed Traffic Indexes on Table 7-1.

Table 7-1. AC and PCC Pavement Sections

Traffic Type	Traffic Index	Asphalt Concrete (inches)	Portland Cement Concrete (inches)
Parking Stalls	4.5	3 AC / 4 AB	6 PCC
Driveways	6.0	4 AC / 4 AB	6½ PCC
Fire Lanes	7.5	5 AC / 4 AB	7 PCC

AC: Asphalt Concrete
AB: Aggregate Base
PCC: Portland Cement Concrete

Subgrade preparation should be performed immediately prior to placement of the pavement section. The upper 12 inches of subgrade should be scarified, moisture conditioned to near optimum moisture content, and compacted to at least 95% relative compaction. All soft or yielding areas should be stabilized or removed and replaced with compacted fill or aggregate base. Aggregate base and asphalt concrete should conform to the Caltrans Standard Specifications or the "Greenbook" and should be compacted to at least 95% relative compaction. Aggregate base should have an R-value of not less than 78. All materials and methods of construction should conform to good engineering practices and the minimum local standards.

8. INFILTRATION FEASIBILITY

NOVA understands that the project will consist of three underground drainage chambers for stormwater management. Four (4) of the engineering borings, P-1 through P-4, were converted into percolation test wells following the recommendations for infiltration testing presented in the San Bernadino County Technical Guidance Document for Water Quality Management Plans (SB, 2013).

8.1. General

Four (4) of the engineering borings, P-1 through P-4, were converted into percolation test wells following the recommendations for infiltration testing presented in the San Bernadino County Technical Guidance Document for Water Quality Management Plans.

8.2. Drilling

The borings for the percolation tests were each drilled with an 8-inch hollow-stem auger to depths of 15 feet below ground surface (bgs). The borings were logged by a NOVA geologist, who observed and recorded exposed soil cuttings and the boring conditions.

8.3. Conversion to Percolation Tests

Once the borings were drilled to the desired depths, the borings were converted to percolation test wells by placing an approximately 2-inch layer of ¾-inch gravel on the bottom, then extending a 3-inch diameter Schedule 40 perforated PVC pipe to the ground surface. The ¾-inch gravel was used to partially fill the annular space around the perforated pipe below the existing finish grade to minimize the potential of soil caving.

8.4. Percolation Testing

The percolation test wells were pre-soaked by filling the holes with water to the ground surface level and testing commenced within a 26-hour window. On the day of testing, two 25-minute pre-test trials were conducted in each well.

In the percolation borings, the pre-soak water percolated at least 6 inches into the soil unit within 25 minutes. Based on the results of the pretrials, water levels were recorded every 10 minutes for a minimum of six readings. At the beginning of each test interval, the water level was raised to approximately the same level as the previous tests.

8.5. Percolation Test Results

The percolation rate of a soil profile is not the same as its infiltration rate (‘I’). Therefore, the field-measured percolation rate was converted to an estimated infiltration rate utilizing the Porchet Method. Table 8-1 (following page) provides a summary of the percolation testing and related infiltration rates.

Table 8-2 provides a summary of the factors of safety for design infiltration rates.

Table 8-1. Abstract of the Percolation Testing

Boring Reference	Approximate Elevation (feet, msl) [1]	Total Depth (feet)	Approximate Percolation Test Elevation (feet, msl) [1]	Infiltration Rate (in/hr)[2]
P-1	+948	14.5	+935.5	70.2
P-2	+949	15	+936.5	12.2
P-3	+942	15	+929.5	14.4
P-4	+953	15	+940.5	16.1

Note 1: Elevations are Approximate
Note 2: No 'Factor of Safety' Included
Note 3: Data from P-1 should not be utilized for determination of average rates. P-2 through P-4 were considered representative values for infiltration potential at the site.

Table 8-2. Geotechnical Factors of Safety for Design Infiltration Rate

A: Site Suitability Considerations (From Table VII.3)	
Consideration	**Factor of Safety (FS)**
Soil Assessment Methods	2
Texture Class	1
Site Soil Variability	1
Depth to Groundwater / Impervious Later	1
Calculated Suitability Assessment Factor of Safety	**1.25**
B: Design Related Considerations (From Table VII.4)	
Consideration	**Factor of Safety (FS)**
Tributary Size Area	TBD by Infiltration Designer
Level of Pretreatment	TBD by Infiltration Designer
Redundancy of Treatment	TBD by Infiltration Designer
Compaction during Construction	TBD by Infiltration Designer
Calculated Design Factor of Safety	**TBD by Infiltration Designer**
Combined FS = Suitability FS X Design FS	**TBD by Infiltration Designer**

The combined factor of safety used to determine the design infiltration rate is determined by multiplying the calculated suitability assessment factor of safety of 1.5 by the design factor of safety, which is to be determined by the infiltration system designer. The combined factor of safety must be a minimum of 2.0 but need not exceed 9.0. The design infiltration rate is equal to the observed flow rate divided by the combined factor of safety.

8.6. Modifying Geotechnical Criteria

Overview

This subsection provides review of modifying geotechnical criteria that have been considered by NOVA in its assessment of the feasibility of developing stormwater infiltration BMPs at the subject parcels. These factors are listed below.

- Soil and Groundwater Conditions
- Slope Stability
- Utility Considerations
- Groundwater Mounding

The above geotechnical feasibility criteria are reviewed in the following subsections.

Soil and Groundwater Conditions

The engineering borings and percolation tests borings completed for this assessment disclose that moderately permeable, naturally occurring sands underlie the entire site. Extensive gradation testing of the sands shows that this mass of soil characteristically includes less than 10% fines (i.e., silt and clay-sized particles). As such, the soils may be expected to be of moderate to high permeability.

Groundwater was not encountered in borings and soundings that were advanced by previous consultants to 50 feet below ground surface (bgs). Based on NOVA's review of recently published literature, the groundwater elevation in the site vicinity is approximately 350 feet bgs. As such, seasonally high groundwater levels will not affect stormwater infiltration.

Slope Stability

The site does not include areas with descending slopes. Stormwater infiltration will not affect the stability of slopes and embankments.

Utilities

Stormwater infiltration BMPs should not be sited within 10 feet of underground utilities. By virtue of the preliminary nature of current planning, NOVA is not aware of any utility trenches within 10 feet of the locations of perspective BMPs. Accordingly, NOVA sees no constraint to the feasibility of stormwater BMPs by this consideration.

Groundwater Mounding

Stormwater infiltration can result in damaging groundwater mounding during wet periods. Mounded water would not be considered damaging to utilities, development infrastructure (pavements, flatwork, etc.), and building foundations and retaining walls, due to the design and location of the proposed basins.

The infiltration testing reported herein indicates that calculated infiltration rates are moderate to high. The groundwater elevation in the site vicinity is reported at approximately 350 feet bgs. As such, the implementation of stormwater infiltration BMPs should not result in groundwater mounding near individual BMPs.

8.7. Suitability of the Site for Stormwater Infiltration

In consideration of the site evaluation - particularly the moderately high measured infiltration rates and the relatively homogenous granular soils encountered across the site - it is the opinion of NOVA that with planning to avoid the potential geotechnical impacts, the site is suitable for application of stormwater infiltration BMPs.

8.8. Recommendations

The following should be considered for design of any required infiltration system.

- Water discharge from any infiltration systems should not occur shallower than 5 feet below the ground surface and be discharged into native deposits.
- Water discharge from any infiltration systems should not occur within the zone of influence of foundation footings (column and load-bearing wall locations). For preliminary purposes, we recommend a minimum setback of 15 feet from the structural improvements.
- An adequate setback distance between any infiltration facility and adjacent private property should be maintained.
- It may be prudent to provide an overflow directly connected to the storm drain system in order to prevent failure of the infiltration system, either as a result of lower than anticipated infiltration and/or very high flow volumes. It should be noted that if pretreatment of runoff to remove debris, soil particles, etc., cannot be performed, design infiltration rates may need to be further reduced. Over time, siltation and plugging may reduce the infiltration rate and subsequent effectiveness of the infiltration system.
- Any designed infiltration system will require routine periodic maintenance.
- As with any systems that are designed to concentrate the surface flow and direct the water into the subsurface soils, some type of nuisance water and/or other water-related issues should be expected.

8.9. Considerations and Limitations

Note that the infiltration values reported herein are for native materials only and are not for compacted fill. Infiltration shall not be permitted directly on or into compacted fill soils. The infiltration values provided are based on clean water and this requires the removal of trash, debris, soil particles, and on-going maintenance. Over time, siltation and plugging may clog the system and reduce the infiltration rate and effectiveness of the infiltration system. It should be noted that

methods to prevent this shall be the sole responsibility of the infiltration designer and are not the purview of the geotechnical consultant. If adequate measures cannot be incorporated into the design and maintenance of the system, then the infiltration rates may need to be further reduced. These and other factors should be considered in selecting a design infiltration rate.

9. CLOSURE

NOVA should review project plans and specifications prior to bidding and construction to check that the intent of the recommendations in this report has been incorporated. Observations and tests should be performed during construction. If the conditions encountered during construction differ from those anticipated based on the subsurface exploration program, the presence of personnel from NOVA during construction will enable an evaluation of the exposed conditions and modifications of the recommendations in this report or development of additional recommendations in a timely manner.

NOVA should be advised of changes in the project scope so that the recommendations contained in this report can be evaluated with respect to the revised plans. Changes in recommendations will be verified in writing. The findings in this report are valid as of the date of this report. Changes in the condition of the site can, however, occur with the passage of time, whether they are due to natural processes or work on this or adjacent areas. In addition, changes in the standards of practice and government regulations can occur. Thus, the findings in this report may be invalidated wholly or in part by changes beyond NOVA's control. This report should not be relied upon after a period of two years without a review by NOVA verifying the suitability of the conclusions and recommendations to site conditions at that time.

In the performance of professional services, NOVA exercises the level of care and skill ordinarily exercised by members of the geotechnical profession currently practicing under similar conditions and in the same locality. The client recognizes that subsurface conditions may vary from those encountered at the boring locations and that the data, interpretations, and recommendations reported herein are based solely on the information obtained by NOVA. NOVA will be responsible for those data, interpretations, and recommendations, but shall not be responsible for interpretations by others of the information developed. Our services consist of professional consultation and observation only, and no warranty whatsoever, express or implied, is made or intended in connection with the work performed or to be performed by us, or by our proposal for consulting or other services, or by our furnishing of oral or written reports or findings.

10. REFERENCES

American Concrete Institute (ACI), 2014, Building Code Requirements for Structural Concrete (ACI 318-14) and Commentary, August.

ACI, 2015, Guide to Concrete Floor and Slab Construction, ACI 302.1R-15.

ASCE, Minimum Design Load for Buildings and Other Structures, ASCE 7-16.

APWA,2018, Standard Specifications for Public Works Construction ('Greenbook').

California Code of Regulations, Title 24, 2019 California Building Standards Code.

California Department of Transportation Caltrans, 2003, Corrosion Guidelines, Version 1.0, http://www.dot.ca.gov/hq/esc/ttsb/corrosion/pdf/2012-11-19-Corrosion-Guidelines.pdf.

California Department of Transportation (Caltrans), 2018, Standard Specifications.

_____, 2014, Division of Design, Office of Stormwater Management, *Pervious Pavement Design Guidance*, dated August.

California Emergency Management Agency (Cal EMA), 2009, California Geological Survey, University of Southern California, *Tsunami Inundation Map for Emergency Planning, Website:* https://conservation.ca.gov/cgs/tsunami/maps*,* accessed May 2022.

California State Water Resources Control Board, GeoTracker website: https://geotracker.waterboards.ca.gov/, accessed May 2022.

California Geological Survey (CGS), 2002, *California Geomorphic Provinces Note 36, Electronic Copy*, Revised December 2002.

_____, 2003a, *Preliminary Geologic Map of the San Bernardino 30' x 60' Quadrangle, California, Version 1.0*, scale – 1:100,000, Open-File Report 03-293.

_____, 2003b, *Preliminary Geologic Map of the San Bernardino 30' x 60' Quadrangle- Faults, California,* Version 1.0, scale – 1:100,000, Open-File Report 03-293.

_____, 2008, Guidelines for Evaluating and Mitigating Seismic Hazards in California, Special Publication 117A.

_____, 2010, *Fault Activity Map of California*, California Geologic Data Map Series, Map No. 6.

_____, 2011, Susceptibility to Deep-Seated Landslides in California.

_____, 2018, Earthquake Fault Zones, Special Publication 42, Revised 2018.

County of San Bernardino (SB), 2010, *San Bernardino County Land Use Plan, General Plan, Geologic Hazards Overlays, San Bernardino South Quadrangle, FH27C,* Scale 1:14,400.

_____, 2013*, Technical Guidance Document for Water Quality Management Plans*, June 7, 2013.

Stantec, 2022, Construction Plan, Scheme 8, WPT – Bon View Avenue, Ontario, CA, February 2022.

Federal Emergency Management Agency (FEMA), 2015, FIRM Flood Insurance Rate Map, San Bernardino County, Firm Panel 06071C8617J, https://msc.fema.gov/portal/search, accessed in May 2022.

Google Earth® Pro, 2022, Version 7.3.2.5776.

Historic Aerials, 2022, www.historicaerials.com: accessed May 2022.

Norris, R. M. and Webb, R. W.,1990, Geology of California, Second Edition: John Wiley & Sons, Inc.

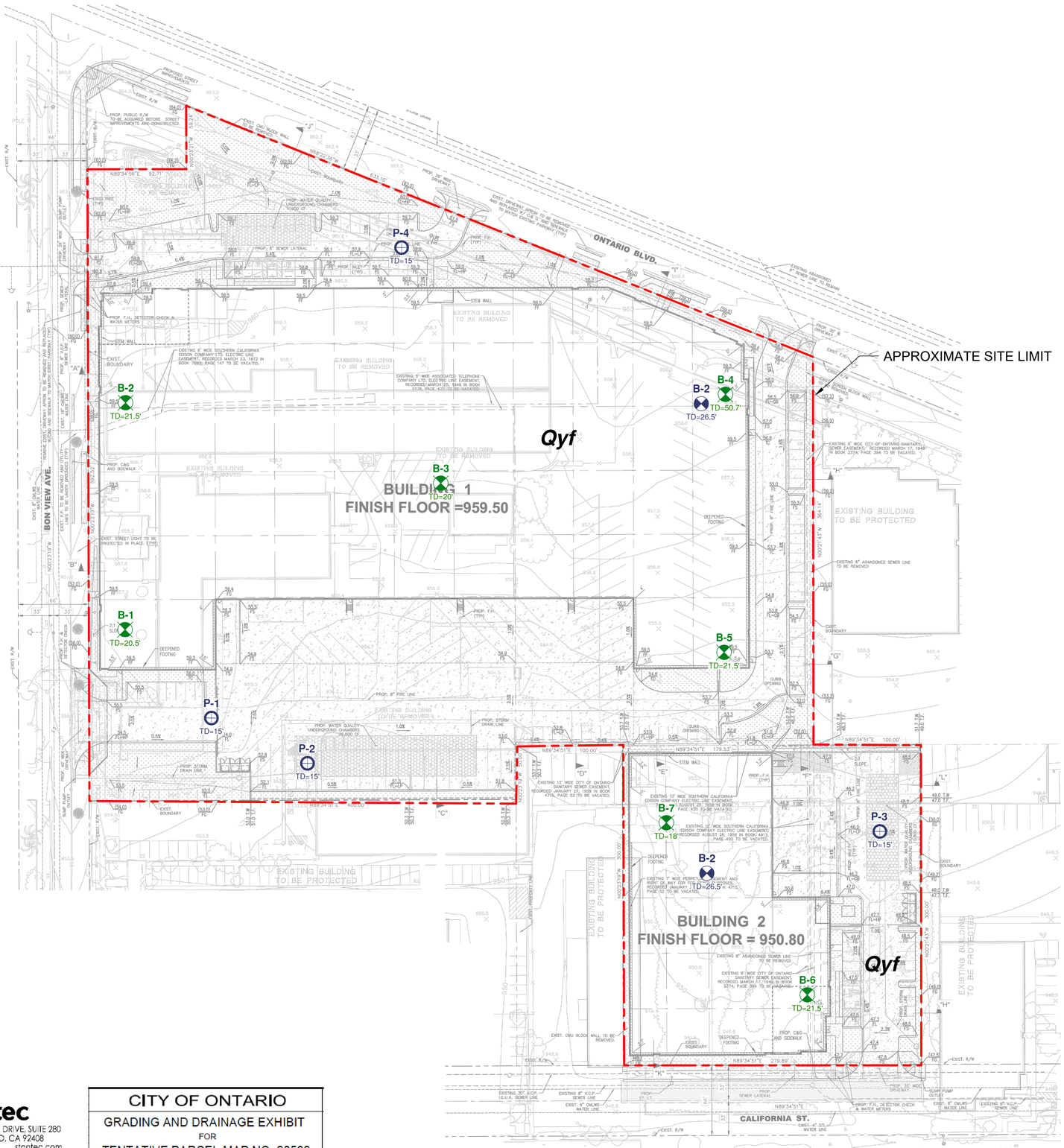
Public Works Standards, Inc., 2021, "Greenbook" Standard Specifications for Public Works Construction, 2018 Edition.

Structural Engineers Association of California (SEAC) and Office of Statewide Health Planning and Development (OSHPD), Seismic Design Map, accessed October 2021 at https://seismicmaps.org/.

Wildermuth Environmental, Inc. (WE), 2013, *2012 Annual Report of the Land Subsidence Committee*, December 2013.

United States Geological Survey (USGS), 2022 U.S. Quaternary Faults https://usgs.maps.arcgis.com/apps/webappviewer/, accessed May 2022.

PLATES



KEY TO SYMBOLS

Qyf	QUATERNARY YOUNGER ALLUVIAL FAN DEPOSITS
B-2 TD=26.5'	GEOTECHNICAL BORING BY NOVA
P-4 TD=15'	PERCOLATION TEST LOCATION BY NOVA
B-5 TD=5'	APPROXIMATE LOCATION OF BORING (ARAGON, 2021)

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PROPOSED INDUSTRIAL DEVELOPMENT

BON VIEW AVENUE AND CALIFORNIA STREET
ONTARIO, CALIFORNIA

PROJECT NO.:	3022016
DATE:	MAY 2022
DRAWN BY:	SMH
REVIEWED BY:	CNJ
SCALE:	1"=50'
DRAWING TITLE:	

GEOTECHNICAL MAP

PLATE NO. 1 OF 1

PREPARED BY:
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SAN BERNARDINO, CA 92408
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CITY OF ONTARIO
GRADING AND DRAINAGE EXHIBIT
FOR
TENTATIVE PARCEL MAP NO. 20582

APPENDIX A
USE OF THE GEOTECHNICAL REPORT

Important Information About Your

Geotechnical Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

The following information is provided to help you manage your risks.

Geotechnical Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical engineering study conducted for a civil engineer may not fulfill the needs of a construction contractor or even another civil engineer. Because each geotechnical engineering study is unique, each geotechnical engineering report is unique, prepared *solely* for the client. No one except you should rely on your geotechnical engineering report without first conferring with the geotechnical engineer who prepared it. *And no one — not even you* — should apply the report for any purpose or project except the one originally contemplated.

Read the Full Report

Serious problems have occurred because those relying on a geotechnical engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

A Geotechnical Engineering Report Is Based on A Unique Set of Project-Specific Factors

Geotechnical engineers consider a number of unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, do not rely on a geotechnical engineering report that was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical engineering report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light industrial plant to a refrigerated warehouse,
- elevation, configuration, location, orientation, or weight of the proposed structure,
- composition of the design team, or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes—even minor ones—and request an assessment of their impact. *Geotechnical engineers cannot accept responsibility or liability for problems that occur because their reports do not consider developments of which they were not informed.*

Subsurface Conditions Can Change

A geotechnical engineering report is based on conditions that existed at the time the study was performed. *Do not rely on a geotechnical engineering report* whose adequacy may have been affected by: the passage of time; by man-made events, such as construction on or adjacent to the site; or by natural events, such as floods, earthquakes, or groundwater fluctuations. *Always* contact the geotechnical engineer before applying the report to determine if it is still reliable. A minor amount of additional testing or analysis could prevent major problems.

Most Geotechnical Findings Are Professional Opinions

Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ—sometimes significantly—from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide construction observation is the most effective method of managing the risks associated with unanticipated conditions.

A Report's Recommendations Are *Not* Final

Do not overrely on the construction recommendations included in your report. *Those recommendations are not final,* because geotechnical engineers develop them principally from judgment and opinion. Geotechnical engineers can finalize their recommendations only by observing actual

subsurface conditions revealed during construction. *The geotechnical engineer who developed your report cannot assume responsibility or liability for the report's recommendations if that engineer does not perform construction observation.*

A Geotechnical Engineering Report Is Subject to Misinterpretation

Other design team members' misinterpretation of geotechnical engineering reports has resulted in costly problems. Lower that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Contractors can also misinterpret a geotechnical engineering report. Reduce that risk by having your geotechnical engineer participate in prebid and preconstruction conferences, and by providing construction observation.

Do Not Redraw the Engineer's Logs

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical engineering report should *never* be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

Give Contractors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can make contractors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give contractors the complete geotechnical engineering report, *but* preface it with a clearly written letter of transmittal. In that letter, advise contractors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A prebid conference can also be valuable. *Be sure contractors have sufficient time* to perform additional study. Only then might you be in a position to give contractors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.

Read Responsibility Provisions Closely

Some clients, design professionals, and contractors do not recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic expectations that have led to disappointments, claims, and disputes. To help reduce the risk of such outcomes, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes labeled "limitations" many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The equipment, techniques, and personnel used to perform a *geoenvironmental* study differ significantly from those used to perform a *geotechnical* study. For that reason, a geotechnical engineering report does not usually relate any geoenvironmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures.* If you have not yet obtained your own geoenvironmental information, ask your geotechnical consultant for risk management guidance. *Do not rely on an environmental report prepared for someone else.*

Obtain Professional Assistance To Deal with Mold

Diverse strategies can be applied during building design, construction, operation, and maintenance to prevent significant amounts of mold from growing on indoor surfaces. To be effective, all such strategies should be devised for the *express purpose* of mold prevention, integrated into a comprehensive plan, and executed with diligent oversight by a professional mold prevention consultant. Because just a small amount of water or moisture can lead to the development of severe mold infestations, a number of mold prevention strategies focus on keeping building surfaces dry. While groundwater, water infiltration, and similar issues may have been addressed as part of the geotechnical engineering study whose findings are conveyed in this report, the geotechnical engineer in charge of this project is not a mold prevention consultant; ***none of the services performed in connection with the geotechnical engineer's study were designed or conducted for the purpose of mold prevention. Proper implementation of the recommendations conveyed in this report will not of itself be sufficient to prevent mold from growing in or on the structure involved.***

Rely, on Your ASFE-Member Geotechncial Engineer for Additional Assistance

Membership in ASFE/The Best People on Earth exposes geotechnical engineers to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a construction project. Confer with you ASFE-member geotechnical engineer for more information.

ASFE
The Best People on Earth

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IIGER06045.0M

APPENDIX B
BORING LOGS

LOG OF BORING B-1

DATE DRILLED: APRIL 21, 2022 **EQUIPMENT:** GTECHDRILL GT-16

METHOD: 8-INCH DIAMETER HOLLOW STEM AUGER **SAMPLING:** 30 INCH DROP, 140 POUND AUTO HAMMER

GROUNDWATER DEPTH: NOT ENCOUNTERED **ELEVATION:** 943 FEET

LAB TEST ABBREVIATIONS

CR	CORROSIVITY
MD	MAXIMUM DENSITY
DS	DIRECT SHEAR
EI	EXPANSION INDEX
AL	ATTERBERG LIMITS
SA	SIEVE ANALYSIS
RV	RESISTANCE VALUE
CN	CONSOLIDATION
SE	SAND EQUIVALENT
HA	HYDROMETER ANALYSIS
CO	COLLAPSE POTENTIAL

DEPTH (FT)	BULK SAMPLE	CAL/SPT SAMPLE	BLOWS PER 12-INCHES	N_{60}	MOISTURE (%)	DRY DENSITY (pcf)	SOIL CLASS. (USCS)	SOIL DESCRIPTION *SUMMARY OF SUBSURFACE CONDITIONS* *(USCS; COLOR, MOISTURE, DENSITY, GRAIN SIZE, OTHER)*	LAB TESTS
0	☒						SP	**QUATERNARY YOUNG ALLUVIAL FAN DEPOSITS (Qyf):** *SAND WITH GRAVEL; LIGHT BROWN, DRY, LOOSE*	RV CR
		☒	4	5				*SAND; DARK BROWN, SLIGHTLY MOIST, LOOSE, SOME SILT*	
5		■	19	14	7.1	112.9		*SAND; OLIVE BROWN, MOIST, MEDIUM DENSE, SOME SILT*	
		☒	9	11				*SAND; GRAY BROWN, SLIGHTLY MOIST, MEDIUM DENSE, TRACE GRAVEL UP TO 1 INCH DIAMETER*	
10		■	47	35	4.5	96.8		*SAND; GRAY BROWN, SLIGHTLY MOIST, DENSE*	
15		☒	36	42			GP	*GRAVEL WITH SAND; GRAY BROWN, SLIGHTLY MOIST, DENSE, GRAVEL UP TO 1.5 INCH DIAMETER*	
20		■	26	19			SP	*SAND; MEDIUM BROWN, SLIGHTLY MOIST, MEDIUM DENSE*	
25		☒	26	30			SP-SM	*SAND WITH SILT; MEDIUM BROWN, SLIGHTLY MOIST, DENSE*	
30								*BORING TERMINATED AT 26.5 FEET BELOW GROUND SURFACE. GROUNDWATER NOT ENCOUNTERED. NO CAVING. BORING BACKFILLED WITH CUTTINGS.*	

KEY TO SYMBOLS

▼/▽	GROUNDWATER / STABILIZED	*	NO SAMPLE RECOVERY
☒	BULK SAMPLE	———	GEOLOGIC CONTACT
☒	SPT SAMPLE (ASTM D1586)	– – –	SOIL TYPE CHANGE
■	MOD. CAL. SAMPLE (ASTM D3550)		

PROPOSED INDUSTRIAL DEVELOPMENT

BON VIEW AVENUE AND CALIFORNIA STREET

ONTARIO, CALIFORNIA

LOGGED BY:	SH	DATE:	MAY 2022
REVIEWED BY:	CNJ	PROJECT NO.:	3022016

NOVA GEOTECHNICAL MATERIALS SPECIAL INSPECTION

DVBE • SBE • SDVOSB

LOG OF BORING B-2

DATE DRILLED: APRIL 21, 2022 **EQUIPMENT:** GTECHDRILL GT-16

METHOD: 8-INCH DIAMETER HOLLOW STEM AUGER **SAMPLING:** 30 INCH DROP, 140 POUND AUTO HAMMER

GROUNDWATER DEPTH: NOT ENCOUNTERED **ELEVATION:** 950 FEET

LAB TEST ABBREVIATIONS

CR	CORROSIVITY
MD	MAXIMUM DENSITY
DS	DIRECT SHEAR
EI	EXPANSION INDEX
AL	ATTERBERG LIMITS
SA	SIEVE ANALYSIS
RV	RESISTANCE VALUE
CN	CONSOLIDATION
SE	SAND EQUIVALENT
HA	HYDROMETER ANALYSIS
CO	COLLAPSE POTENTIAL

DEPTH (FT)	BULK SAMPLE	CAL/SPT SAMPLE	BLOWS PER 12-INCHES	N_{60}	MOISTURE (%)	DRY DENSITY (pcf)	SOIL CLASS. (USCS)	SOIL DESCRIPTION *SUMMARY OF SUBSURFACE CONDITIONS* *(USCS; COLOR, MOISTURE, DENSITY, GRAIN SIZE, OTHER)*	LAB TESTS
0	X						SM	**QUATERNARY YOUNG ALLUVIAL FAN DEPOSITS (Qyf):** *ASPHALT CONCRETE, 2", SILTY SAND; DARK BROWN, MOIST, LOOSE*	RV
	X	☒	4	5				*SILTY SAND; DARK BROWN, MOIST, LOOSE, MICACEOUS*	
5		☒	6	7				*SILTY SAND; DARK BROWN, SLIGHTLY MOIST, LOOSE*	
		■	14	10	11.1	101.9	SM/ML	*SILTY SAND TO SANDY SILT; OLIVE BROWN, MOIST, MEDIUM DENSE TO STIFF, MICACEOUS*	DS
10		■	10	7			SM	*SILTY SAND; OLIVE BROWN, SLIGHTLY MOIST, LOOSE*	CN
		■	19	14			SP	*SAND; MEDIUM BROWN, SLIGHTLY MOIST, MEDIUM DENSE, SOME GRAVEL UP TO 0.5 INCH DIAMETER*	
15		☒	7	8			SP-SM	*SAND WITH SILT; MEDIUM BROWN, SLIGHTLY MOIST, LOOSE*	
20		☒	9	11			SP	*SAND; MEDIUM RED BROWN, SLIGHTLY MOIST, MEDIUM DENSE*	
25		☒	28	33				*SAND; MEDIUM BROWN, SLIGHTLY MOIST, MEDIUM DENSE*	
30								*BORING TERMINATED AT 26.5 FEET BELOW GROUND SURFACE. GROUNDWATER NOT ENCOUNTERED. BORING BACKFILLED WITH CUTTINGS. PATCHED WITH AC COLD PATCH.*	

KEY TO SYMBOLS

- ▼/▽ GROUNDWATER / STABILIZED
- ☒ BULK SAMPLE
- ☒ SPT SAMPLE (ASTM D1586)
- ■ MOD. CAL. SAMPLE (ASTM D3550)
- * NO SAMPLE RECOVERY
- ——— GEOLOGIC CONTACT
- – – – SOIL TYPE CHANGE

PROPOSED INDUSTRIAL DEVELOPMENT

BON VIEW AVENUE AND CALIFORNIA STREET

ONTARIO, CALIFORNIA

LOGGED BY:	SH	DATE:	MAY 2022
REVIEWED BY:	CNJ	PROJECT NO.:	3022016

NOVA GEOTECHNICAL MATERIALS SPECIAL INSPECTION

DVBE • SBE • SDVOSB

LOG OF BORING P-1

DATE DRILLED: APRIL 21, 2022 **EQUIPMENT:** GTECHDRILL GT-16

METHOD: 8-INCH DIAMETER HOLLOW STEM AUGER **SAMPLING:** NOT SAMPLED

GROUNDWATER DEPTH: NOT ENCOUNTERED **ELEVATION:** 948 FEET

LAB TEST ABBREVIATIONS

CR	CORROSIVITY
MD	MAXIMUM DENSITY
DS	DIRECT SHEAR
EI	EXPANSION INDEX
AL	ATTERBERG LIMITS
SA	SIEVE ANALYSIS
RV	RESISTANCE VALUE
CN	CONSOLIDATION
SE	SAND EQUIVALENT
HA	HYDROMETER ANALYSIS
CO	COLLAPSE POTENTIAL

DEPTH (FT)	BULK SAMPLE	CAL/SPT SAMPLE	BLOWS PER 12-INCHES	N_{60}	MOISTURE (%)	DRY DENSITY (pcf)	SOIL CLASS. (USCS)	SOIL DESCRIPTION *SUMMARY OF SUBSURFACE CONDITIONS* *(USCS; COLOR, MOISTURE, DENSITY, GRAIN SIZE, OTHER)*	LAB TESTS
0							SM	**QUATERNARY YOUNG ALLUVIAL FAN DEPOSITS (Qyf):** *SILTY SAND; BROWN, SLIGHTLY MOIST TO MOIST, MEDIUM DENSE*	
5							GP	*GRAVEL; GRAY BROWN, SLIGHTLY MOIST, VERY DENSE, WITH SAND AND COBBLES UP TO 3 INCHES IN DIAMETER*	
10	☒							*COBBLES UP TO 4 INCHES IN DIAMETER*	SA
								COBBLES UP TO 5 INCHES IN DIAMETER	
15								*BORING TERMINATED AT 15 FEET BELOW GROUND SURFACE. GROUNDWATER NOT ENCOUNTERED. NO CAVING. INSTALLED 3-INCH DIAMETER PERFORATED PIPE WITH FILTER SOCK, SURROUNDED WITH GRAVEL AND PRESOAKED ON 04/21/2022. PIPE REMOVED AND BACKFILLED WITH CUTTINGS ON 04/22/2022.*	
20									
25									
30									

KEY TO SYMBOLS

▼/▽	GROUNDWATER / STABILIZED	*	NO SAMPLE RECOVERY
☒	BULK SAMPLE	———	GEOLOGIC CONTACT
☒	SPT SAMPLE (ASTM D1586)	– – –	SOIL TYPE CHANGE
■	MOD. CAL. SAMPLE (ASTM D3550)		

PROPOSED INDUSTRIAL DEVELOPMENT

BON VIEW AVENUE AND CALIFORNIA STREET

ONTARIO, CALIFORNIA

LOGGED BY:	SH	DATE:	MAY 2022
REVIEWED BY:	CNJ	PROJECT NO.:	3022016

NOVA GEOTECHNICAL MATERIALS SPECIAL INSPECTION

DVBE • SBE • SDVOSB

LOG OF BORING P-2

DATE DRILLED: APRIL 21, 2022 **EQUIPMENT:** GTECHDRILL GT-16

METHOD: 8-INCH DIAMETER HOLLOW STEM AUGER **SAMPLING:** NOT SAMPLED

GROUNDWATER DEPTH: NOT ENCOUNTERED **ELEVATION:** 949 FEET

LAB TEST ABBREVIATIONS

CR	CORROSIVITY
MD	MAXIMUM DENSITY
DS	DIRECT SHEAR
EI	EXPANSION INDEX
AL	ATTERBERG LIMITS
SA	SIEVE ANALYSIS
RV	RESISTANCE VALUE
CN	CONSOLIDATION
SE	SAND EQUIVALENT
HA	HYDROMETER ANALYSIS
CO	COLLAPSE POTENTIAL

DEPTH (FT)	BULK SAMPLE	CAL/SPT SAMPLE	BLOWS PER 12-INCHES	N_{60}	MOISTURE (%)	DRY DENSITY (pcf)	SOIL CLASS. (USCS)	SOIL DESCRIPTION *SUMMARY OF SUBSURFACE CONDITIONS* *(USCS; COLOR, MOISTURE, DENSITY, GRAIN SIZE, OTHER)*	LAB TESTS
0							SM	**QUATERNARY YOUNG ALLUVIAL FAN DEPOSITS (Qyf):** *SILTY SAND; BROWN, SLIGHTLY MOIST TO MOIST, MEDIUM DENSE, ROOTS*	
5							SP	*SAND; GRAY BROWN, SLIGHTLY MOIST, DENSE, WITH GRAVEL UP TO 2 INCHES IN DIAMETER*	
								GRAVEL AND COBBLES UP TO 3 INCHES IN DIAMETER	
10	☒						SP-SM	*SAND WITH SILT; GRAY BROWN, DRY TO SLIGHTLY MOIST, VERY DENSE, WITH SAND AND COBBLES UP TO 4 INCHES IN DIAMETER, WITH GRAVEL*	SA
							GP	*GRAVEL; GRAY BROWN, SLIGHTLY MOIST, VERY DENSE, WITH SAND AND COBBLES UP TO 4 INCHES IN DIAMETER*	
15								*BORING TERMINATED AT 15 FEET BELOW GROUND SURFACE. GROUNDWATER NOT ENCOUNTERED. NO CAVING. INSTALLED 3-INCH DIAMETER PERFORATED PIPE WITH FILTER SOCK, SURROUNDED WITH GRAVEL AND PRESOAKED ON 04/21/2022. PIPE REMOVED AND BACKFILLED WITH CUTTINGS ON 04/22/2022.*	
20									
25									
30									

KEY TO SYMBOLS

▼/▽	GROUNDWATER / STABILIZED	*	NO SAMPLE RECOVERY
☒	BULK SAMPLE	———	GEOLOGIC CONTACT
☒	SPT SAMPLE (ASTM D1586)	– – –	SOIL TYPE CHANGE
■	MOD. CAL. SAMPLE (ASTM D3550)		

PROPOSED INDUSTRIAL DEVELOPMENT

BON VIEW AVENUE AND CALIFORNIA STREET

ONTARIO, CALIFORNIA

LOGGED BY:	SH	DATE:	MAY 2022
REVIEWED BY:	CNJ	PROJECT NO.:	3022016

NOVA GEOTECHNICAL MATERIALS SPECIAL INSPECTION

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LOG OF BORING P-3

DATE DRILLED: APRIL 21, 2022 **EQUIPMENT:** GTECHDRILL GT-16

METHOD: 8-INCH DIAMETER HOLLOW STEM AUGER **SAMPLING:** NOT SAMPLED

GROUNDWATER DEPTH: NOT ENCOUNTERED **ELEVATION:** 942 FEET

LAB TEST ABBREVIATIONS

CR	CORROSIVITY
MD	MAXIMUM DENSITY
DS	DIRECT SHEAR
EI	EXPANSION INDEX
AL	ATTERBERG LIMITS
SA	SIEVE ANALYSIS
RV	RESISTANCE VALUE
CN	CONSOLIDATION
SE	SAND EQUIVALENT
HA	HYDROMETER ANALYSIS
CO	COLLAPSE POTENTIAL

DEPTH (FT)	BULK SAMPLE	CAL/SPT SAMPLE	BLOWS PER 12-INCHES	N_{60}	MOISTURE (%)	DRY DENSITY (pcf)	SOIL CLASS. (USCS)	SOIL DESCRIPTION *SUMMARY OF SUBSURFACE CONDITIONS* *(USCS; COLOR, MOISTURE, DENSITY, GRAIN SIZE, OTHER)*	LAB TESTS
0							SP	**QUATERNARY YOUNG ALLUVIAL FAN DEPOSITS (Qyf):** *SAND; LIGHT BROWN, DRY, DENSE, WITH GRAVEL*	
							SM	*SILTY SAND; MEDIUM BROWN, DRY, DENSE, WITH GRAVEL*	
5							GP	*GRAVEL; GRAY BROWN, DRY, VERY DENSE, WITH SAND AND COBBLES UP TO 6 INCHES IN DIAMETER*	
10	☒							*GRAVEL; GRAY BROWN, SLIGHTLY MOIST, VERY DENSE, WITH SAND*	SA
	☒							*GRAVEL; GRAY BROWN, VERY DENSE, DRY, WITH SAND AND COBBLES UP TO 6 INCHES IN DIAMETER*	
15								*BORING TERMINATED AT 15 FEET BELOW GROUND SURFACE. GROUNDWATER NOT ENCOUNTERED. NO CAVING. INSTALLED 3-INCH DIAMETER PERFORATED PIPE WITH FILTER SOCK, SURROUNDED WITH GRAVEL AND PRESOAKED ON 04/21/2022. PIPE REMOVED AND BACKFILLED WITH CUTTINGS ON 04/22/2022.*	
20									
25									
30									

KEY TO SYMBOLS

▼/▽	GROUNDWATER / STABILIZED	*	NO SAMPLE RECOVERY
☒	BULK SAMPLE	———	GEOLOGIC CONTACT
☒	SPT SAMPLE (ASTM D1586)	– – –	SOIL TYPE CHANGE
■	MOD. CAL. SAMPLE (ASTM D3550)		

PROPOSED INDUSTRIAL DEVELOPMENT

BON VIEW AVENUE AND CALIFORNIA STREET

ONTARIO, CALIFORNIA

LOGGED BY:	SH	DATE:	MAY 2022
REVIEWED BY:	CNJ	PROJECT NO.:	3022016

NOVA GEOTECHNICAL MATERIALS SPECIAL INSPECTION

DVBE • SBE • SDVOSB

LOG OF BORING P-4

DATE DRILLED: APRIL 21, 2022 **EQUIPMENT:** GTECHDRILL GT-16

METHOD: 8-INCH DIAMETER HOLLOW STEM AUGER **SAMPLING:** NOT SAMPLED

GROUNDWATER DEPTH: NOT ENCOUNTERED **ELEVATION:** 953 FEET

LAB TEST ABBREVIATIONS

CR	CORROSIVITY
MD	MAXIMUM DENSITY
DS	DIRECT SHEAR
EI	EXPANSION INDEX
AL	ATTERBERG LIMITS
SA	SIEVE ANALYSIS
RV	RESISTANCE VALUE
CN	CONSOLIDATION
SE	SAND EQUIVALENT
HA	HYDROMETER ANALYSIS
CO	COLLAPSE POTENTIAL

DEPTH (FT)	BULK SAMPLE	CAL/SPT SAMPLE	BLOWS PER 12-INCHES	N_{60}	MOISTURE (%)	DRY DENSITY (pcf)	SOIL CLASS. (USCS)	SOIL DESCRIPTION *SUMMARY OF SUBSURFACE CONDITIONS* *(USCS; COLOR, MOISTURE, DENSITY, GRAIN SIZE, OTHER)*	LAB TESTS
0							SM	**QUATERNARY YOUNG ALLUVIAL FAN DEPOSITS (Qyf):** *ASPHALT CONCRETE, 2", SILTY SAND; MEDIUM BROWN, DRY, DENSE*	
							SM	**QUATERNARY YOUNG ALLUVIAL FAN DEPOSITS (Qyf):** *SILTY SAND; MEDIUM BROWN, DRY, DENSE*	
5							GP	*GRAVEL; GRAY BROWN, DRY, VERY DENSE, WITH SAND AND COBBLES UP TO 3 INCHES IN DIAMETER*	
10	☒						GP-GM	*SANDY GRAVEL WITH SILT; GRAY BROWN, SLIGHTLY MOIST, VERY DENSE, GRAVEL UP TO 1 INCH IN DIAMETER*	SA
								COBBLES UP TO 6 INCHES IN DIAMETER	
15								*BORING TERMINATED AT 15 FEET BELOW GROUND SURFACE. GROUNDWATER NOT ENCOUNTERED. NO CAVING. INSTALLED 3-INCH DIAMETER PERFORATED PIPE WITH FILTER SOCK, SURROUNDED WITH GRAVEL AND PRESOAKED ON 04/21/2022. PIPE REMOVED AND BACKFILLED WITH CUTTINGS ON 04/22/2022.*	
20									
25									
30									

KEY TO SYMBOLS

▼/▽	GROUNDWATER / STABILIZED	*	NO SAMPLE RECOVERY
☒	BULK SAMPLE	———	GEOLOGIC CONTACT
☒	SPT SAMPLE (ASTM D1586)	– – –	SOIL TYPE CHANGE
■	MOD. CAL. SAMPLE (ASTM D3550)		

PROPOSED INDUSTRIAL DEVELOPMENT

BON VIEW AVENUE AND CALIFORNIA STREET

ONTARIO, CALIFORNIA

LOGGED BY:	SH	DATE:	MAY 2022
REVIEWED BY:	CNJ	PROJECT NO.:	3022016

NOVA GEOTECHNICAL MATERIALS SPECIAL INSPECTION

DVBE • SBE • SDVOSB

BORING LOGS BY OTHERS

FIELD LOG OF BORING B - 1

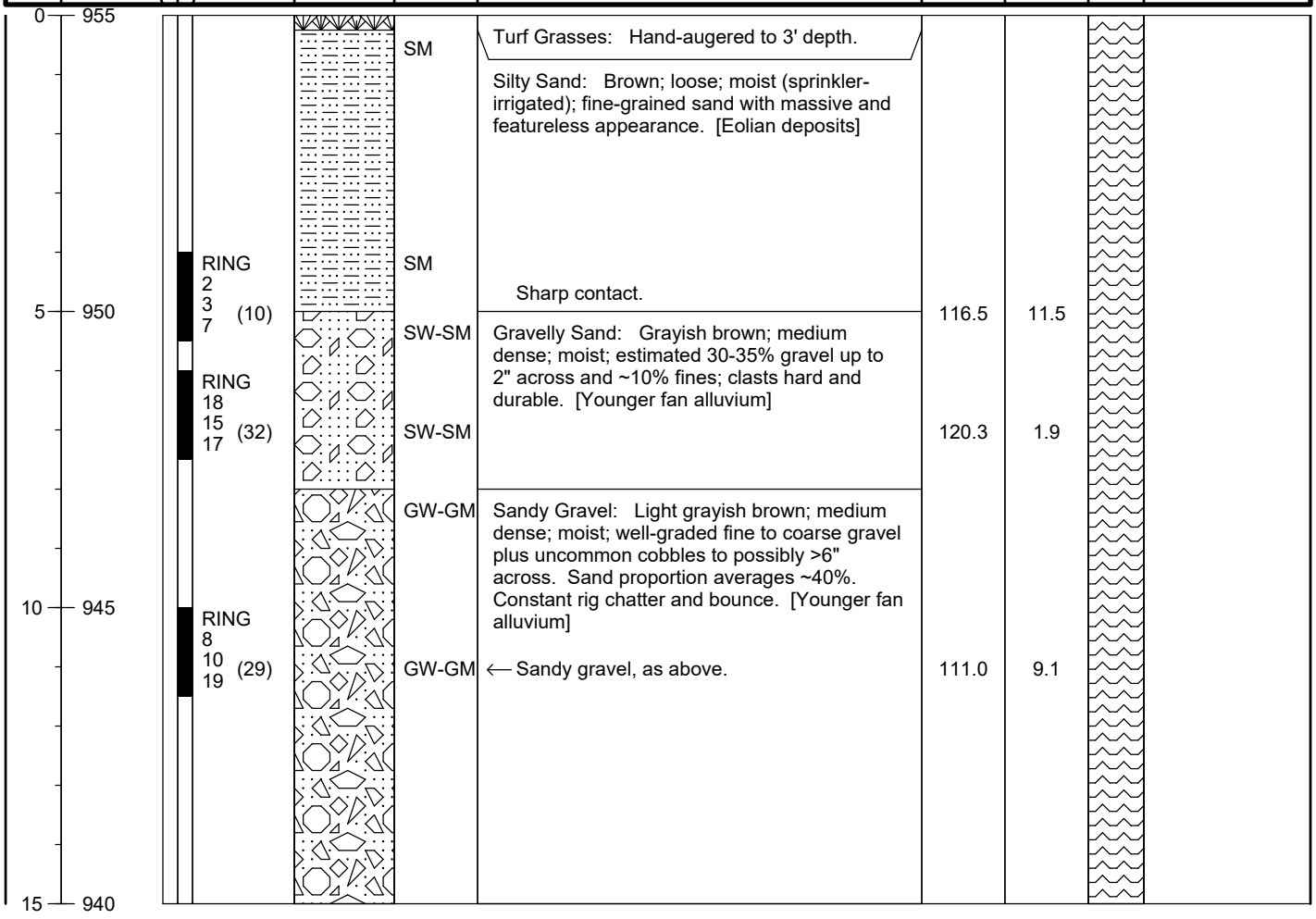
Sheet 1 of 2

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

Date(s) Drilled:	**12/20/21**	Logged By:	**M. Doerschlag**
Drilled By:	**GP Drilling**	Total Depth:	**20.5 Ft.**
Rig Make/Model:	**Mobile B-61**	Hammer Type:	**Automatic trip**
Drilling Method:	**Hollow-Stem Auger**	Hammer Weight/Drop:	**140 Lb./30 In.**
Hole Diameter:	**8 In.**	Surface Elevation:	**± 955 Ft. AMSL per Earth DEM**

Comments: Located at SWC of proposed building 1.



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FIELD LOG OF BORING B - 1

Sheet 2 of 2

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

DEPTH (ft.)	ELEVATION (MSL DATUM)	SAMPLE INTERVALS: BULK / DRIVE / TYPE, "N" or (Blows/ft.)	GRAPHIC LOG	USCS	GEOTECHNICAL DESCRIPTION	DRY DENSITY (pcf)	WATER CONTENT (%)	WELL COMPLETION	OTHER TESTS
15	940	SPT 16 25 55 N=83		GW-GM	Sandy Gravel: Light grayish brown; becomes very dense; slightly moist. Faintly bedded 3"-6" thick at 15 feet, with average 40% sand. Below 16' becomes predominantly coarse-grained. Hard clasts. [Younger fan alluvium]				
					↙ Abruptly becomes fine-grained gravel, typically ¼-½ inch.				
20	935	SPT *50/6		GP-GM	← Sandy fine gravel. Refusal on cobble?				

Bottom of boring at 20.5 feet.
No groundwater encountered.
Boring backfilled with compacted soil cuttings.

FIELD LOG OF BORING B - 2

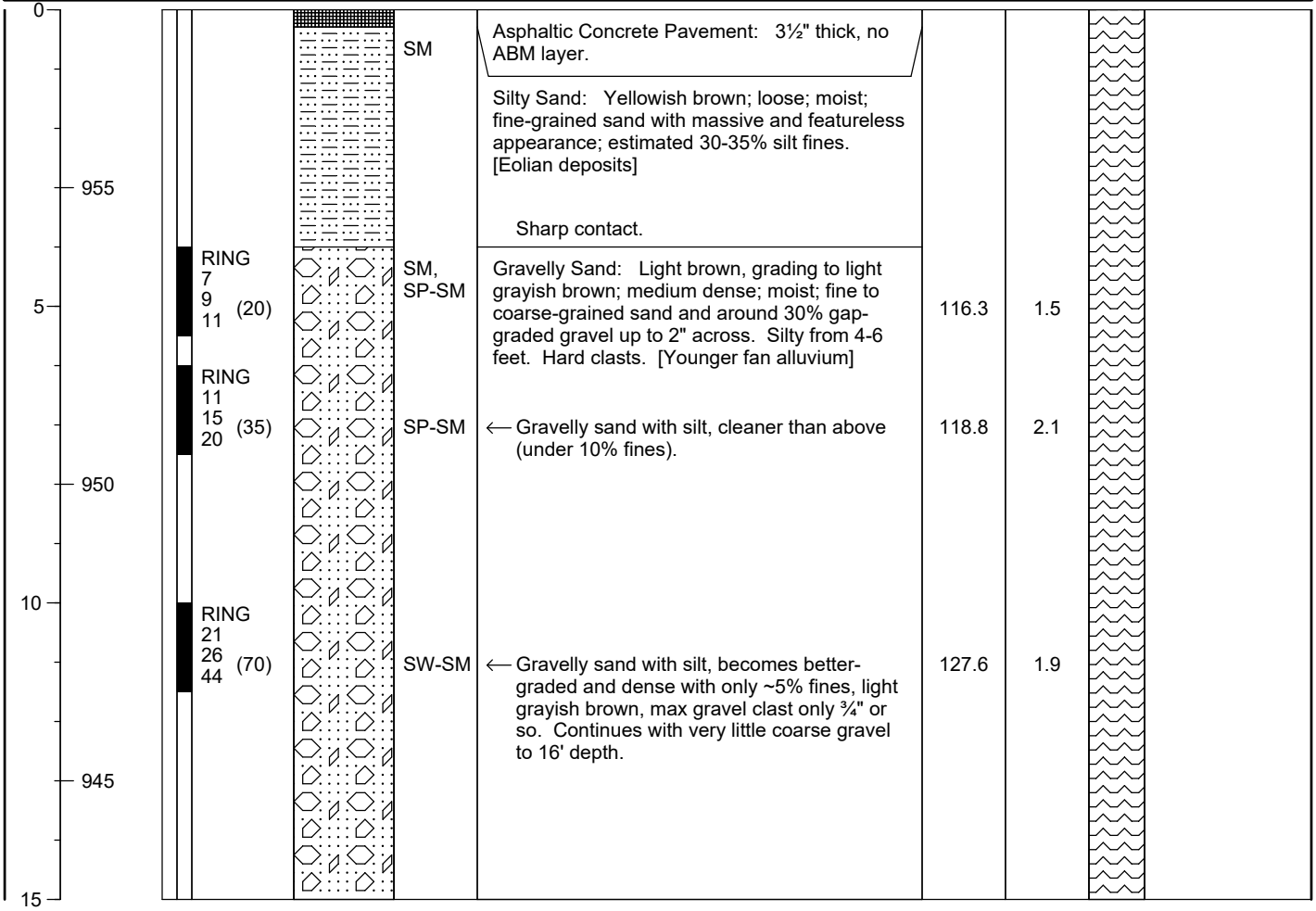
Sheet 1 of 2

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

Date(s) Drilled:	**12/20/21**	Logged By:	**M. Doerschlag**
Drilled By:	**GP Drilling**	Total Depth:	**21.5 Ft.**
Rig Make/Model:	**Mobile B-61**	Hammer Type:	**Automatic trip**
Drilling Method:	**Hollow-Stem Auger**	Hammer Weight/Drop:	**140 Lb./30 In.**
Hole Diameter:	**8 In.**	Surface Elevation:	**± 958 Ft. AMSL per Earth DEM**

Comments: Located at NWC of proposed building 1.



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FIELD LOG OF BORING B - 2

Sheet 2 of 2

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

DEPTH (ft.)	ELEVATION (MSL DATUM)	SAMPLE INTERVALS (BULK / DRIVE / TYPE, "N" or (Blows/ft.))	GRAPHIC LOG	USCS	GEOTECHNICAL DESCRIPTION	DRY DENSITY (pcf)	WATER CONTENT (%)	WELL COMPLETION	OTHER TESTS
15		SPT 16 24 19 N=43		SP-SM	Gravelly Sand: Light grayish brown; dense; slightly moist; mostly medium to coarse sand plus fine gravel. Locally very rocky from 16-17 feet. [Younger fan alluvium]				
	940								
20		SPT 23 50/6"		GW-GM	Sandy Gravel: Grayish brown; very dense; slightly moist. Hard clasts. Heavy rig chatter. [Younger fan alluvium]				

Bottom of boring at 21.0 feet.
No groundwater encountered.
Boring backfilled with compacted soil cuttings.

FIELD LOG OF BORING B - 3

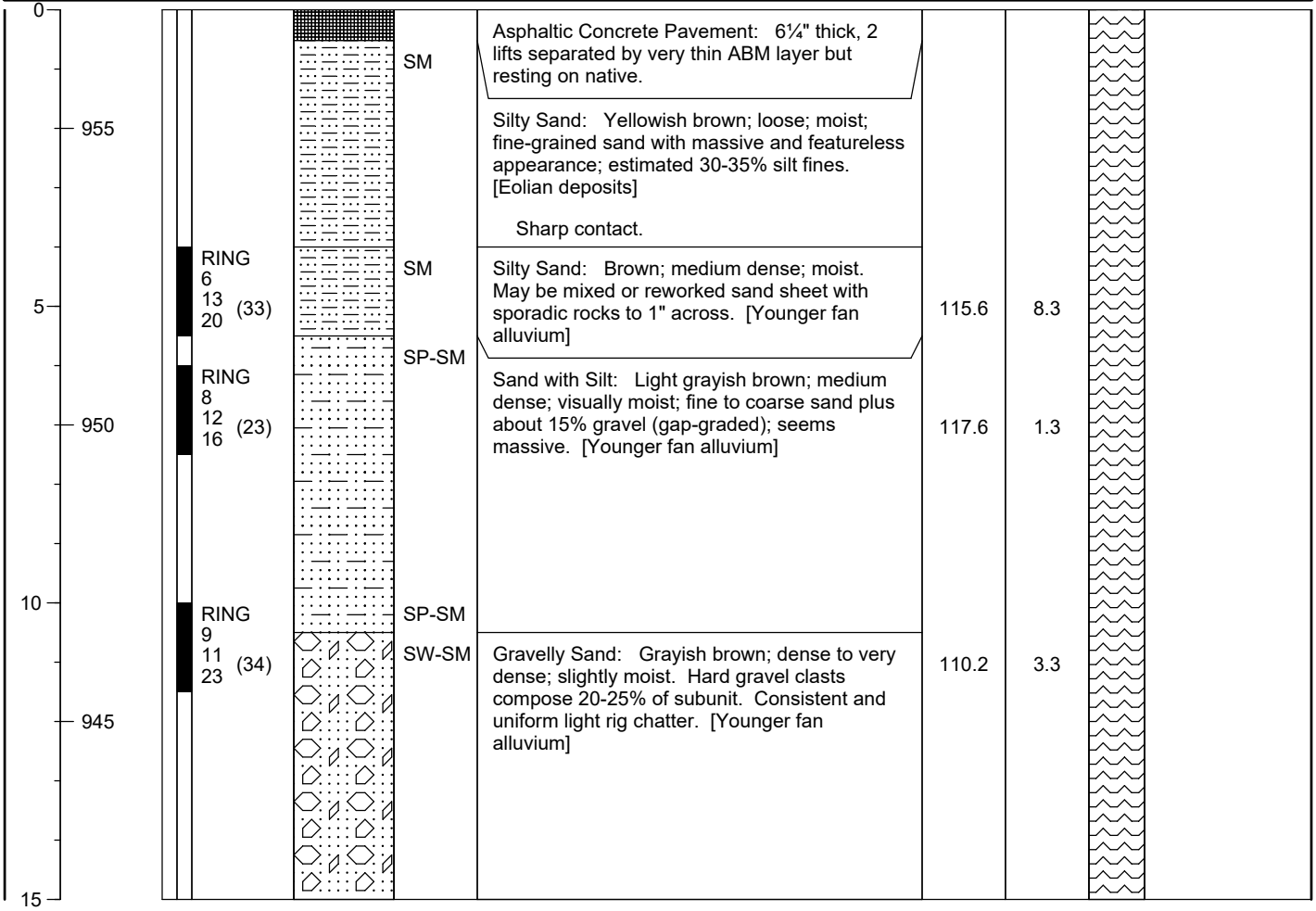
Sheet 1 of 2

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

Date(s) Drilled:	**12/20/21**	Logged By:	**M. Doerschlag**
Drilled By:	**GP Drilling**	Total Depth:	**20.0 Ft.**
Rig Make/Model:	**Mobile B-61**	Hammer Type:	**Automatic trip**
Drilling Method:	**Hollow-Stem Auger**	Hammer Weight/Drop:	**140 Lb./30 In.**
Hole Diameter:	**8 In.**	Surface Elevation:	**± 957 Ft. AMSL per Earth DEM**

Comments: Located near geometric center of proposed building 1.



Continued on next sheet.

FIELD LOG OF BORING B - 3

Sheet 2 of 2

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

DEPTH (ft.)	ELEVATION (MSL DATUM)	SAMPLE INTERVALS: BULK / DRIVE / TYPE, "N" or (Blows/ft.)	GRAPHIC LOG	USCS	GEOTECHNICAL DESCRIPTION	DRY DENSITY (pcf)	WATER CONTENT (%)	WELL COMPLETION	OTHER TESTS
15		SPT 20 23 31 N=54		SW-SM	Gravelly Sand: Grayish brown; very dense; slightly moist. Sand% still greater than gravel%. Hard clasts. [Younger fan alluvium]				
	940			GP-GM	Sandy Gravel: Light brown; very dense; slightly moist; sand matrix may be only 30-35 wt. % while subrounded hard cobbles up to 4" diameter occur. Heavy rig chatter and bounce. [Younger fan alluvium]				
20									

Refusal encountered in coarse gravel horizon at 20 feet.
No groundwater encountered.
Boring backfilled with compacted soil cuttings.

FIELD LOG OF BORING B - 4

Sheet 1 of 3

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

Date(s) Drilled:	**12/20/21**	Logged By:	**M. Doerschlag**
Drilled By:	**GP Drilling**	Total Depth:	**50.7 Ft.**
Rig Make/Model:	**Mobile B-61**	Hammer Type:	**Automatic trip**
Drilling Method:	**Hollow-Stem Auger**	Hammer Weight/Drop:	**140 Lb./30 In.**
Hole Diameter:	**8 In.**	Surface Elevation:	**± 956 Ft. AMSL per Earth DEM**

Comments: Located in NEC of proposed building 1.

DEPTH (ft.)	ELEVATION (MSL DATUM)	SAMPLE INTERVALS: BULK / DRIVE / TYPE, "N" or (Blows/ft.)	GRAPHIC LOG	USCS	GEOTECHNICAL DESCRIPTION	DRY DENSITY (pcf)	WATER CONTENT (%)	WELL COMPLETION	OTHER TESTS
0	955			SM	Asphaltic Concrete Pavement: 3¼" thick, no ABM layer.				BULK: MAX, EI, SHEAR, SULFATE, CHLORIDE, pH, RESISTIVITY
		RING 3 4 4 (8)		SM	Silty Sand: Yellowish brown; loose; moist; fine-grained sand with estimated 35% silt fines on average; massive and uncemented. [Eolian deposits] ← Silty sand, as above, visibly porous.	103.7	9.1		CONSOL
5	950	RING 4 6 6 (12)		SM	← Silty sand, with some pinhole pores and lacking any carbonate cement, massive.	101.4	6.1		CONSOL
		RING 5 6 8 (14)		SM, ML	← Silty sand, very fine grained, some fine carbonate threads, not visibly porous. Shoe contained sandy non-plastic silt.	105.2	10.7		CONSOL
10	945	RING 10 13 13 (26)		SM	← Silty fine-grained sand. Sharp contact.	Dist.	3.6		
				SW-SM	Gravelly Sand: Light grayish brown; medium dense; slightly moist; well-graded mixes of fine to coarse sand and fine to medium subrounded and hard gravel (30%). Low 5%-8% silt. [Younger fan alluvium]				
15									

Continued on next sheet.

FIELD LOG OF BORING B - 4

Sheet 2 of 3

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

DEPTH (ft.)	ELEVATION (MSL DATUM)	SAMPLE INTERVALS (BULK / DRIVE / TYPE, "N" or (Blows/ft.))	GRAPHIC LOG	USCS	GEOTECHNICAL DESCRIPTION	DRY DENSITY (pcf)	WATER CONTENT (%)	WELL COMPLETION	OTHER TESTS
15	940	SPT 10 12 13 N-25		SW-SM	Gravelly Sand: Light grayish brown; medium dense; slightly moist; well-graded mixes of fine to coarse sand and fine to coarse subrounded and hard gravel, with latter proportion decreased to ~20%. Low 5%-8% silt. [Younger fan alluvium]				
20	935	SPT 6 8 9 N=17		SM, SP-SM SM, SP-SM	Silty Sand: Light yellowish brown; medium dense; slightly moist. Contains fine to coarse sand and traces of gravel in at least the upper few feet (this zone interpreted as fluvial reworked dune sediments). Easy drilling. [Eolian deposits except as noted]				
25	930	SPT 8 9 10 N=19		SM	← Silty sand, fine-grained, about 30% fines, zero gravel.				
30	925	SPT 5 7 10 N=17		SM	← Silty sand, massive, now ~40% fines, with few fine carbonate spots (weak paleosol), not visibly porous.				
35									

Continued on next sheet.

FIELD LOG OF BORING B - 4

Sheet 3 of 3

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

DEPTH (ft.)	ELEVATION (MSL DATUM)	SAMPLE INTERVALS (BULK / DRIVE / TYPE, "N" or (Blows/ft.))	GRAPHIC LOG	USCS	GEOTECHNICAL DESCRIPTION	DRY DENSITY (pcf)	WATER CONTENT (%)	WELL COMPLETION	OTHER TESTS
35	920	SPT 5 7 8 N=15		SM	Silty Sand: Strong brown at 35 feet; medium dense; moist; fine-grained sand with approximately 30% fines; massive and featureless. [Eolian deposits]				
				SW-SM	Gravelly Sand: Brown; very dense; slightly moist; fine to coarse grained sand and gravel that includes some weathered schist clasts. Maximum particle size ~2" diameter. Drills easily and with little variation in particle gradation. [Older fan alluvium]				
40	915	SPT 25 50/6"			← Gravelly sand, as above.				
45	910	SPT 23 37 28 N=65		SW-SM	← Gravelly sand, faintly layered 1"-3" thick. Friable schist fragments.				
50		SPT 34 50/2"		SW-SM	← Gravelly sand, dark brown, ~10% fines, most clasts moderately or highly weathered.				

Bottom of boring at 50.7 feet.
No groundwater encountered.
Boring backfilled with compacted soil cuttings.

FIELD LOG OF BORING B - 5

Sheet 1 of 2

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

Date(s) Drilled:	**12/20/21**	Logged By:	**M. Doerschlag**
Drilled By:	**GP Drilling**	Total Depth:	**21.5 Ft.**
Rig Make/Model:	**Mobile B-61**	Hammer Type:	**Automatic trip**
Drilling Method:	**Hollow-Stem Auger**	Hammer Weight/Drop:	**140 Lb./30 In.**
Hole Diameter:	**8 In.**	Surface Elevation:	**± 951 Ft. AMSL per Earth DEM**

Comments: Located in SEC of proposed building 1.

DEPTH (ft.)	ELEVATION (MSL DATUM)	SAMPLE INTERVALS: BULK / DRIVE / TYPE, "N" or (Blows/ft.)	GRAPHIC LOG	USCS	GEOTECHNICAL DESCRIPTION	DRY DENSITY (pcf)	WATER CONTENT (%)	WELL COMPLETION	OTHER TESTS
0	950			SM	Asphaltic Concrete Pavement: 3" thick, no ABM layer.				
		RING 5 6 7 (13)		SM	Silty Sand: Yellowish brown; loose; moist; fine-grained sand with estimated 30% silt fines on average; massive and uncemented. [Eolian deposits] ← Silty sand, with trace of ½" gravel, not visibly porous.	109.6	5.9		
		RING 4 4 6 (10)		SM	← Silty sand, massive, not visibly porous.	107.8	9.5		
5	945	RING 6 10 15 (25)		SP-SM	Sand with Silt: Light brown; medium dense; slightly moist; fine to coarse-grained sand with 5-10% fine gravel; low cohesion. [Younger fan alluvium]	114.1	1.7		
		RING 15 26 31 (57)		GW-GM	Sandy Gravel: Light grayish brown; dense; slightly moist; well-graded subequal proportions of gravel and sand with stones topping out at 1" diameter. Low cohesion. [Younger fan alluvium]	120.6	1.1		
10	940								
15									

Continued on next sheet.

FIELD LOG OF BORING B - 5

Sheet 2 of 2

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

DEPTH (ft.)	ELEVATION (MSL DATUM)	SAMPLE INTERVALS (BULK / DRIVE / TYPE, "N" or (Blows/ft.))	GRAPHIC LOG	USCS	GEOTECHNICAL DESCRIPTION	DRY DENSITY (pcf)	WATER CONTENT (%)	WELL COMPLETION	OTHER TESTS
15	935	SPT 9 9 8 N=17		SW-SM	Gravelly Sand: Light grayish brown; dense; slightly moist. Similar to 9'-15' interval but with less gravel (~40% estimated). [Younger fan alluvium]				
				SM	Silty Sand: Yellowish brown; medium dense; slightly moist to moist. fine-grained sand with approximately 30% fines; massive and featureless. [Eolian deposits]				
20	930	SPT 6 7 8 N=15		SM	← Silty sand, fine-grained, about 20% fines, zero gravel.				

Bottom of boring at 21.5 feet.
No groundwater encountered.
Boring backfilled with compacted soil cuttings.

FIELD LOG OF BORING B - 6

Sheet 1 of 2

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

Date(s) Drilled:	**12/20/21**	Logged By:	**M. Doerschlag**
Drilled By:	**GP Drilling**	Total Depth:	**21.5 Ft.**
Rig Make/Model:	**Mobile B-61**	Hammer Type:	**Automatic trip**
Drilling Method:	**Hollow-Stem Auger**	Hammer Weight/Drop:	**140 Lb./30 In.**
Hole Diameter:	**8 In.**	Surface Elevation:	**± 947 Ft. AMSL per Earth DEM**

Comments: Located in SEC of proposed building 2.

DEPTH (ft.)	ELEVATION (MSL DATUM)	SAMPLE INTERVALS: BULK / DRIVE / TYPE, "N" or (Blows/ft.)	GRAPHIC LOG	USCS	GEOTECHNICAL DESCRIPTION	DRY DENSITY (pcf)	WATER CONTENT (%)	WELL COMPLETION	OTHER TESTS
0				SM	Silty Sand: Brown, grading quickly to yellowish brown; loose; moist to very moist; fine-grained sand with estimated 30% silt fines on average; possibly partly disturbed. [Eolian deposits]				
	945	RING 3 3 6 (9)		SM	← Silty sand, with trace of coarse sand and fine gravel. May be bioturbated.	104.2	4.7		CONSOL
		RING 3 5 7 (12)		SM	← Silty sand, massive, continued trace of coarse sand, not visibly porous.	108.2	6.8		CONSOL
5		RING *50/6"		GP	Sandy Gravel: Light brownish gray; dense; slightly moist. Flood deposit of coarse gravel and small cobbles to 4" diameter. [Younger fan alluvium]	N/R	N/R		
	940			SW	Gravelly Sand: Light grayish brown; medium dense; slightly moist; well-graded subequal proportions of gravel and sand with hard durable stones topping out at 1" diameter. Low cohesion and fines <5%. [Younger fan alluvium]				
10		RING 10 11 15 (26)		SW	← Gravelly sand, as above.	Dist.	1.5		
	935								
15									

Continued on next sheet.

FIELD LOG OF BORING B - 6

Sheet 2 of 2

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

DEPTH (ft.)	ELEVATION (MSL DATUM)	SAMPLE INTERVALS: BULK / DRIVE / TYPE, "N" or (Blows/ft.)	GRAPHIC LOG	USCS	GEOTECHNICAL DESCRIPTION	DRY DENSITY (pcf)	WATER CONTENT (%)	WELL COMPLETION	OTHER TESTS
15									
	930	SPT 11 6 6 N=12		SW / SM	Gravelly Sand: [Younger fan alluvium] Silty Sand: Yellowish brown; medium dense; moist. fine-grained and minor medium-grained sand with approximately 30% fines; massive and featureless. [Eolian deposits]				
20		SPT 6 7 8 N=15		SM	← Silty sand, estimated 20% fines, massive, not visibly porous.				

Bottom of boring at 21.5 feet.
No groundwater encountered.
Boring backfilled with compacted soil cuttings.

FIELD LOG OF BORING B - 7

Sheet 1 of 2

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

Date(s) Drilled:	**12/20/21**	Logged By:	**M. Doerschlag**
Drilled By:	**GP Drilling**	Total Depth:	**18.0 Ft.**
Rig Make/Model:	**Mobile B-61**	Hammer Type:	**Automatic trip**
Drilling Method:	**Hollow-Stem Auger**	Hammer Weight/Drop:	**140 Lb./30 In.**
Hole Diameter:	**8 In.**	Surface Elevation:	**± 950 Ft. AMSL per Earth DEM**

Comments: Located in north end of proposed building 2.

DEPTH (ft.)	ELEVATION (MSL DATUM)	SAMPLE INTERVALS: BULK / DRIVE / TYPE, "N" or (Blows/ft.)	GRAPHIC LOG	USCS	GEOTECHNICAL DESCRIPTION	DRY DENSITY (pcf)	WATER CONTENT (%)	WELL COMPLETION	OTHER TESTS
0	950			SM	Silty Sand: Yellowish brown; loose; moist; fine to coarse grained. [Fill]				
		RING 4 8 18 (26)		SM	Silty Sand: Yellowish brown; medium dense; slightly moist; fine-grained but with traces of coarse and and gravel; bioturbated. [Eolian deposits]	107.9	2.3		
		RING 13 8 8 (16)			← Rock obstruction.	N/R	N/R		
5	945			SW	Gravelly Sand: Light grayish brown; medium dense; slightly moist; well-graded gravel (35%) and sand with hard durable stones topping out at 1" diameter. Low cohesion and fines <5%. [Younger fan alluvium]	N/R	N/R		
		RING 10 9 11 (20							
10	940	RING 13 14 10 (24)		SW-SM	← Gravelly sand, a little siltier than above, gravel proportion almost half.	113.5	7.3		
15	935				Contact uncertain.				

Continued on next sheet.

FIELD LOG OF BORING B - 7

Sheet 2 of 2

Project: ***BON VIEW AVENUE AT CALIFORNIA STREET***

Location: ***ONTARIO, SAN BERNARDINO COUNTY, CA***

DEPTH (ft.)	ELEVATION (MSL DATUM)	SAMPLE INTERVALS: BULK	SAMPLE INTERVALS: DRIVE	SAMPLE INTERVALS: TYPE, "N" or (Blows/ft.)	GRAPHIC LOG	USCS	GEOTECHNICAL DESCRIPTION	DRY DENSITY (pcf)	WATER CONTENT (%)	WELL COMPLETION	OTHER TESTS
15	935			SPT 7 10 18 N=28		SM	Silty Sand: Yellowish brown; medium dense; moist. Contains scattered stones to 2" across and rare fine laminae. [Younger alluvium & reworked dune material] Abrupt contact.				

Refusal encountered at 18.0 feet in coarse gravel with 4" cobbles.
No groundwater encountered.
Boring backfilled with compacted soil cuttings.

APPENDIX C
LABORATORY TESTING

Laboratory tests were performed in accordance with the generally accepted American Society for Testing and Materials (ASTM) test methods or suggested procedures. Brief descriptions of the tests performed are presented below:

- **CLASSIFICATION:** *Field classifications were verified in the laboratory by visual examination. The final soil classifications are in accordance with the Unified Soils Classification System and are presented in the exploration logs.*

- **DENSITY OF SOIL IN PLACE AND MOISTURE CONTENT (ASTM D2937 and ASTM D2216):** *In-place moisture contents and dry densities were determined for representative soil samples. This information was an aid to classification and permitted recognition of variations in material consistency with depth. The dry unit weight is determined in pounds per cubic foot, and the in-place moisture content is determined as a percentage of the soil's dry weight. The results are summarized in the exploration logs presented in Appendix B.*

- **GRADATION ANALYSIS (ASTM C136 and/or ASTM D422):** *Tests were performed on selected representative soil samples in general accordance with ASTM D422. The grain size distributions of selected samples were determined in accordance with ASTM C136 and/or ASTM D422.*

- **R-VALUE (ASTM D2844):** *The resistance Value, or R-Value, for near-surface site soils were evaluated in general accordance with California Test (CT) 301 and ASTM D2844. Samples were prepared and evaluated for exudation pressure and expansion pressure. The equilibrium R-value is reported as the lesser or more conservative of the two calculated results.*

- **DIRECT SHEAR (ASTM D3080):** *Direct shear tests were performed on relatively undisturbed samples in general accordance with ASTM D3080 to evaluate the shear strength characteristics of selected materials. The samples were inundated during shearing to represent adverse field conditions.*

- **CORROSIVITY (CAL. TEST METHOD 417, 422, 643):** *Soil PH, and minimum resistivity tests were performed on a representative soil sample in general accordance with test method CT 643. The sulfate and chloride content of the selected sample were evaluated in general accordance with CT 417 and CT 422, respectively.*

- **CONSOLIDATION PROPERTIES (ASTM D2435):** *Tests were performed on selected relatively undisturbed soil samples in general accordance with ASTM D2435. The samples were inundated during testing to represent adverse field conditions. The percent of consolidation for each load cycle was recorded as a ratio of the amount of vertical compression to the original height of the sample.*

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LAB TEST SUMMARY

PROPOSED INDUSTRIAL DEVELOPMENT
BON VIEW AVENUE AND CALIFORNIA STREET
ONTARIO, CALIFORNIA

BY: SH	DATE: MAY 2022	PROJECT: 3022016

Corrosivity (Cal. Test Method 417, 422, 643)

Sample Location	Sample Depth (ft.)	pH	Resistivity (Ohm-cm)	Sulfate Content (ppm)	Sulfate Content (%)	Chloride Content (ppm)	Chloride Content (%)
B-1	0' - 5'	6.6	3400	66	0.007	32	0.003

Resistance Value (Cal. Test Method 301 & ASTM D2844)

Sample Location	Sample Depth (ft.)	Soil Description	R-Value
B-1	0' - 5'	Sand With Gravel	72
B-2	0' - 5'	Silty Sand	70

Direct Shear (ASTM D3080)

Sample Location	Depth (feet)	Soil Description	Friction Angle Peak/Ultimate (degrees)	Apparent Cohesion Peak/Ultimate (psf)
B-2	7.5'	Silty Sand to Sandy Silt	34/32	200/230

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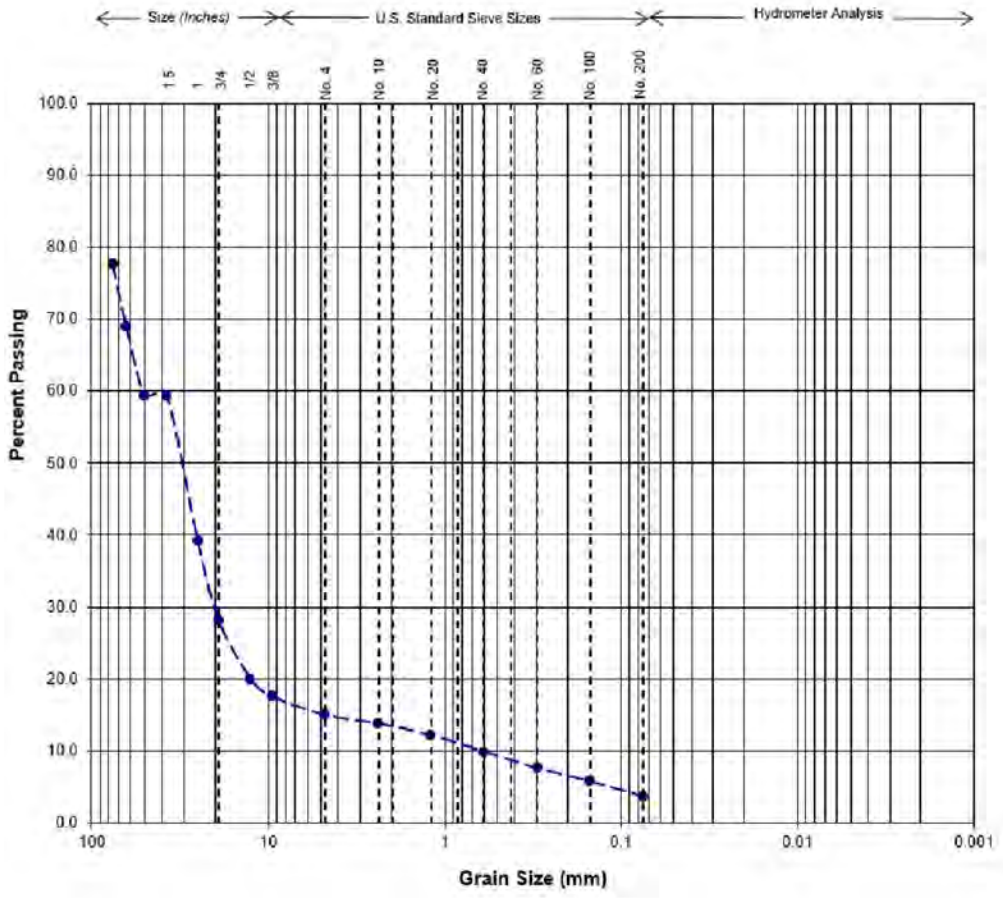
SUMMARY OF LAB RESULTS

PROPOSED INDUSTRIAL DEVELOPMENT
BON VIEW AVENUE AND CALIFORNIA STREET
ONTARIO, CALIFORNIA

BY: SH | DATE: MAY 2022 | PROJECT: 3022016



Gravel		Sand			Silt or Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample Location: P-1

Depth (ft): 10-15

USCS Soil Type: GP

Passing No. 200 (%): 4

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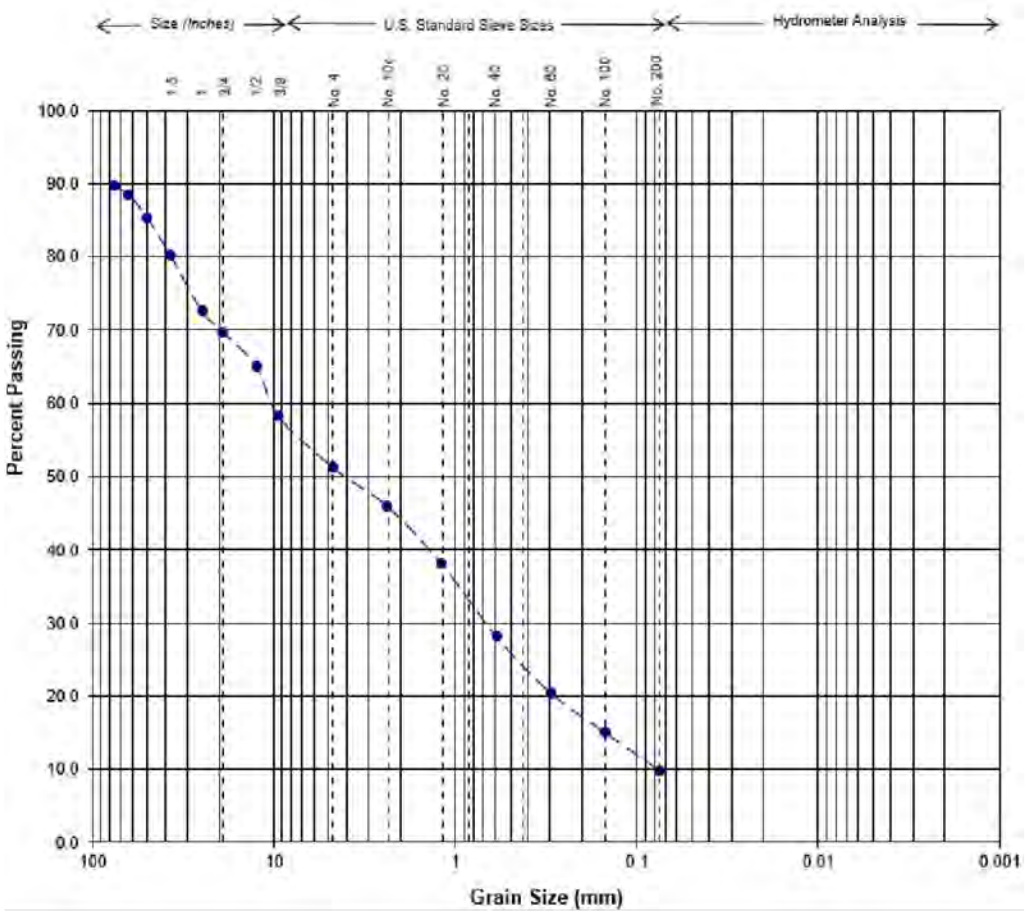
GRADATION ANALYSIS TEST RESULTS

PROPOSED INDUSTRIAL DEVELOPMENT

BON VIEW AVENUE AND CALIFORNIA STREET

ONTARIO, CALIFORNIA

BY: SH	DATE: MAY 2022	PROJECT: 3022016



Gravel		Sand			Silt or Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample Location: P-2

Depth (ft): 10-15

USCS Soil Type: SP-SM

Passing No. 200 (%): 10

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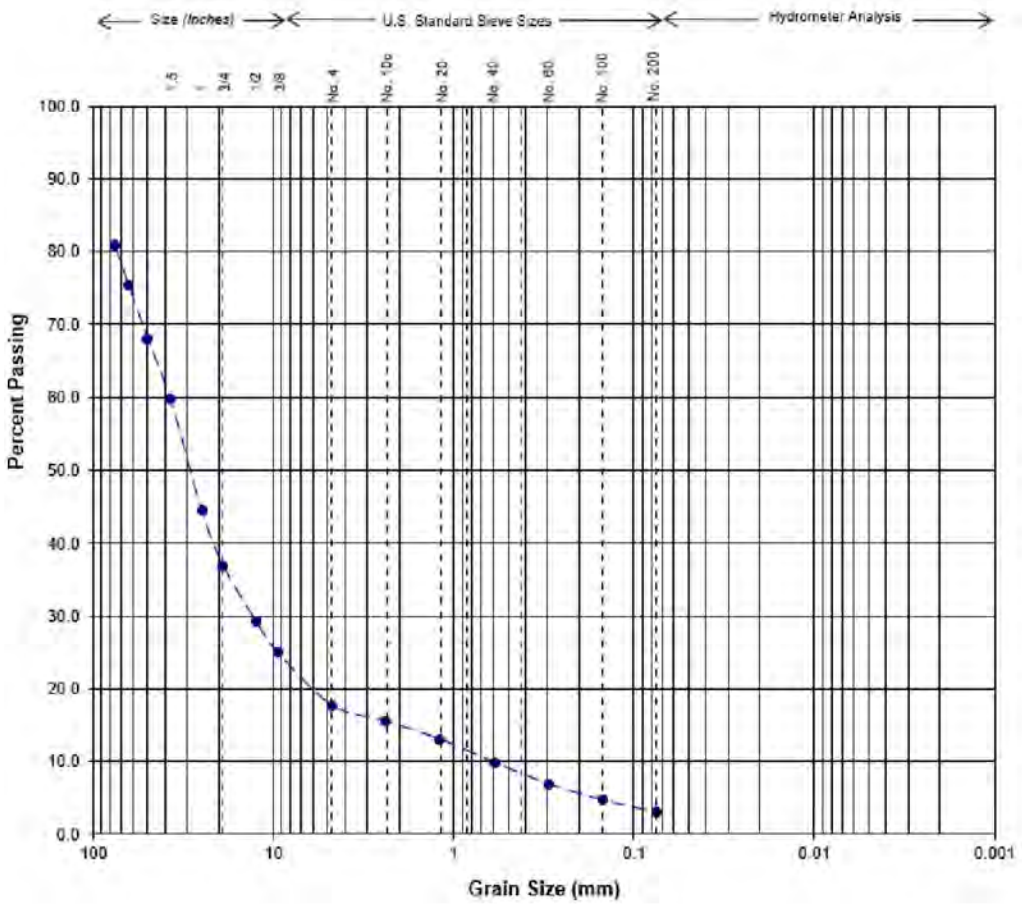
GRADATION ANALYSIS TEST RESULTS

PROPOSED INDUSTRIAL DEVELOPMENT

BON VIEW AVENUE AND CALIFORNIA STREET

ONTARIO, CALIFORNIA

BY: SH	DATE: MAY 2022	PROJECT: 3022016



Gravel		Sand			Silt or Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample Location: P-3

Depth (ft): 10-15

USCS Soil Type: GP

Passing No. 200 (%): 3

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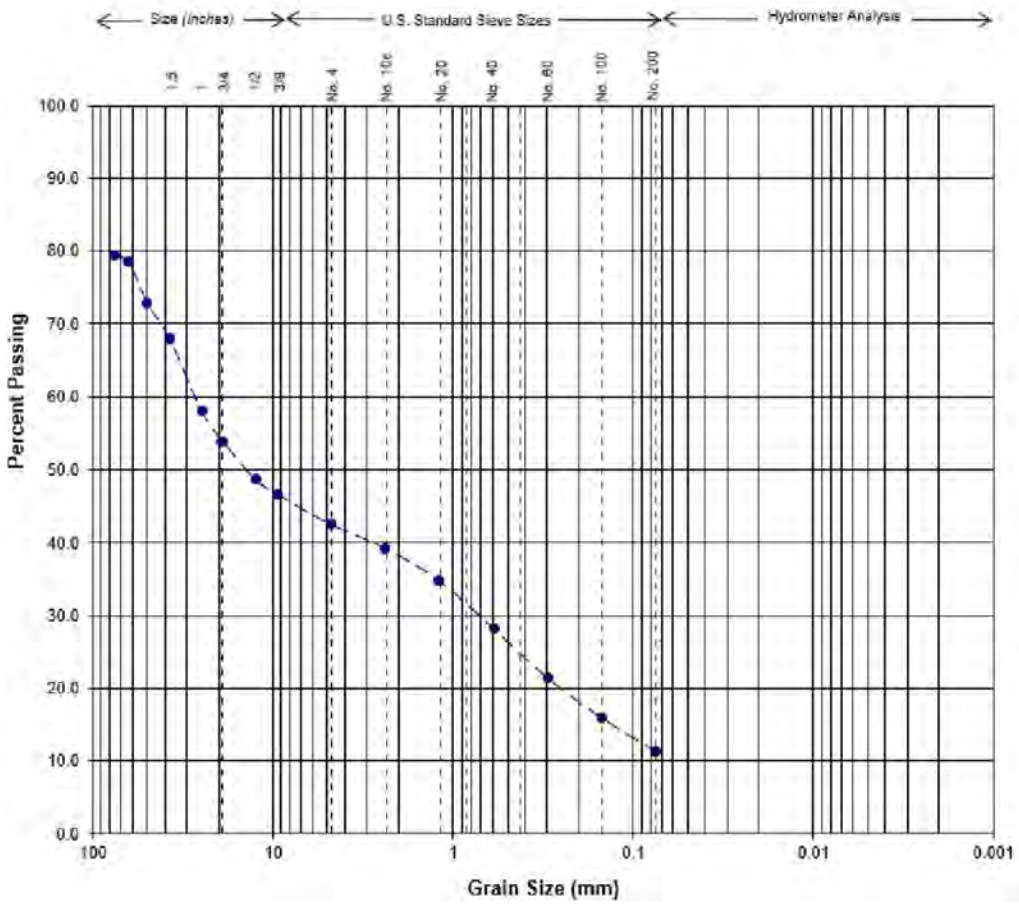
GRADATION ANALYSIS TEST RESULTS

PROPOSED INDUSTRIAL DEVELOPMENT

BON VIEW AVENUE AND CALIFORNIA STREET

ONTARIO, CALIFORNIA

BY: SH	DATE: MAY 2022	PROJECT: 3022016



Gravel		Sand			Silt or Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample Location: P-4

Depth (ft): 10-15

USCS Soil Type: GP-GM

Passing No. 200 (%): 11

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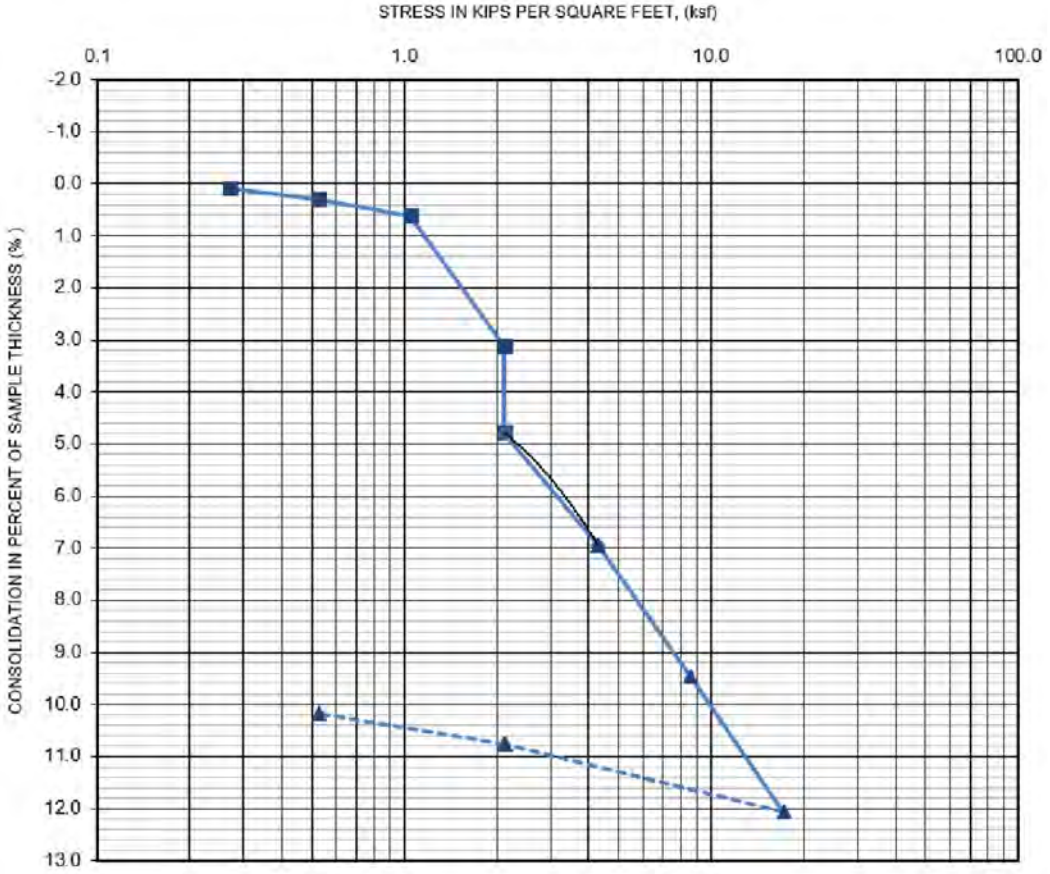
GRADATION ANALYSIS TEST RESULTS

PROPOSED INDUSTRIAL DEVELOPMENT

BON VIEW AVENUE AND CALIFORNIA STREET

ONTARIO, CALIFORNIA

BY: SH	DATE: MAY 2022	PROJECT: 3022016



Sample Location:	B-2
Depth (ft):	10
USCS Soil Type:	SM

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CONSOLIDATION TEST RESULTS

PROPOSED INDUSTRIAL DEVELOPMENT
BON VIEW AVENUE AND CALIFORNIA STREET
ONTARIO, CALIFORNIA

BY: SH	DATE: MAY 2022	PROJECT: 3022016

LABORATORY TESTING BY OTHERS

A P P E N D I X B

LABORATORY TESTING

Water Content - Dry Density Determinations – ASTM D2216-10

The dry unit weight and field moisture content were determined for each of the recovered barrel samples. The moisture-density information provides a gross indication of soil consistency and can assist in delineating local variations. The information can also be used to correlate soils and define units between individual exploration locations on the project site, as well as with units found on other sites in the general area.

Measured dry densities ranged from approximately 99.3 to 127.6 pounds per cubic foot. Water contents in ring samples ranged from 1.1 to 11.5 percent of dry unit weight. Sample locations and the corresponding test results are illustrated on the Field Boring Logs.

Modified Effort Compaction Test – ASTM D1557-12

A bulk soil sample was collected from the principal surficial site soil unit at the eastern end of the prospective Building 1 envelope. The representative future fill material was tested to determine a maximum dry density and optimum water content per the Method B procedure in the noted ASTM standard. The test method uses 25 blows of a 10-pound hammer falling 18 inches on each of 5 soil layers in a 1/30 cubic foot cylinder. Soil samples were compacted at varying moisture contents to create a curve illustrating achieved dry density as a function of water content. The test results are listed below and shown graphically on page B-4.

Maximum Density - Optimum Water Content Determinations

Soil Description	Location	Maximum Dry Density (pcf)	Optimum Moisture Content (%)
Silty Sand (SM) [Eolian sand deposits]	B - 4 @ 0.5 - 4 ft.	125.5	11.0

Shear Strength Test – ASTM D3080-11

Direct shear tests were performed on soils prepared to represent future compacted fill derived from surficial fine-grained wind-deposited sand. We expect mass grading operations should produce soil masses with equivalent or higher strengths. "Fill" test samples were remolded to approximately 90 percent of the maximum dry density, at optimum water content as determined from a compaction test. All samples were initially saturated, consolidated and drained of excess moisture, and tested in a direct shear machine of the strain control type. Test samples are initially prepared and/or retained within standard one-inch-high brass rings. Samples were tested at increasing normal loads

to determine the Mohr-Coulomb shear strength parameters illustrated on page B-5. Peak and ultimate shear strength values are illustrated on the plot.

Expansion Index Tests – ASTM D4829-11

One laboratory clay expansion test of typical fine sandy materials expected to be incorporated into structural compacted fill was performed in general accordance with the 1994 Uniform Building Code Standard 18-2 and subsequent modern ASTM adoption. A remolded sample was compacted in two layers in a 4-inch I.D. mold to a total compacted thickness of about 1.0 inch, using a 5.5-pound hammer falling 12 inches at 15 blows per layer. Initial soil saturation was between 49 and 51 percent. The prepared test sample was confined under a normal load of 144 pounds per square foot and allowed to soak for 24 hours. The resulting volume change due to increase in moisture content within the sample was recorded and the Expansion Index (EI) calculated.

Expansion Index Test Results

Soil Description	Location	Expansion Index	Expansion Classification
Silty Sand (SM) [Eolian sand deposits]	B - 4 @ 0.5 - 4 ft.	10	Very Low

Consolidation Tests – ASTM D2435M-11

Natural fine-grained deposits were checked for collapse susceptibility and compressibility where loads from fill or foundations could be imposed. Varying cumulative vertical loads are applied to a laterally confined soil sample. The apparatus is designed to accept a one-inch-high brass ring containing an undisturbed soil sample. During each load increment, vertical compression (consolidation) of the sample is measured and recorded when displacement ceases. Porous stones confine the top and bottom sides of the specimen to permit the ready addition or release of water. Undisturbed samples are initially at field moisture content, and are subsequently inundated to determine soil behavior under saturated conditions. The test results are plotted graphically on pages B-6 through B-10.

Soil Corrosivity

Soil samples representative of future mass-graded fill in future contact with concrete or ferrous metals was tested in the laboratories of Project X Corrosion Engineers, Murrieta, California, to determine the tabulated data on the next page. The submitted soil samples were tested in general accordance with ASTM and Standard Methods listed at the top of the table. Soluble-species quantitative determinations were based on 1:3 water-to-soil extracts.

Soil Analysis Lab Results

Client: Aragon Geotechnical, Inc.
Job Name: WPT - Capital
Client Job Number: 4768-SF
Project X Job Number: S211229B
January 3, 2022

	Method	ASTM D4327		ASTM D4327		ASTM G187		ASTM D4972
Bore# / Description	**Depth**	**Sulfates** SO_4^{2-}		**Chlorides** Cl^-		**Resistivity** As Rec'd | Minimum		**pH**
	(ft)	**(mg/kg)**	**(wt%)**	**(mg/kg)**	**(wt%)**	**(Ohm-cm)**	**(Ohm-cm)**	
21-2079 B-4 Brown sandy Silt / silty Sand	0.5-4	43.4	0.0043	11.3	0.0011	28,810	3,953	7.6

Cations and Anions, except Sulfide and Bicarbonate, tested with Ion Chromatography
mg/kg = milligrams per kilogram (parts per million) of dry soil weight
ND = 0 = Not Detected | NT = Not Tested | Unk = Unknown
Chemical Analysis performed on 1:3 Soil-To-Water extract
PPM = mg/kg (soil) = mg/L (Liquid)

29990 Technology Dr., Suite 13, Murrieta, CA 92563 Tel: 213-928-7213 Fax: 951-226-1720
www.projectxcorrosion.com

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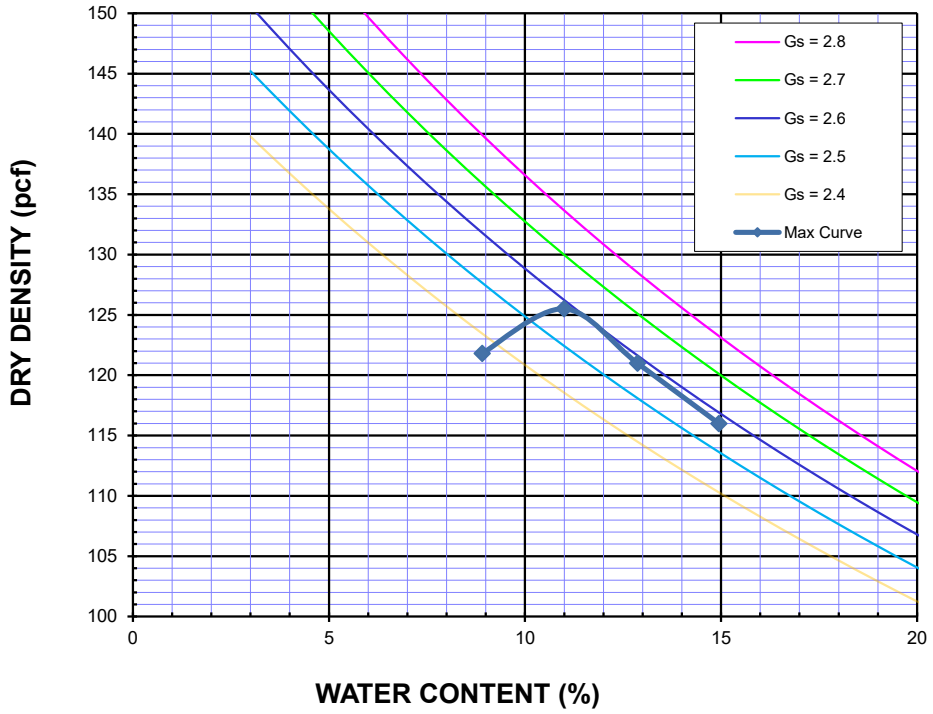
Maximum Density Test

Client:	WPT Capital Advisors, LLC 150 S. 5th Street, Suite 2675 Minneapolis, MN 55402	**Project Name:**	672 S. Bon View Ave. Ontario, California
Project No.:	4768-SF	**Report Date:**	February 18, 2022
Sampled By:	Mark Doerschlag	**Lab ID No.:**	21-2079
Date of Sampling:	December 21, 2021		
Information provided by Technician	X Performed at Laboratory Performed at Jobsite	X Moist Preparation Dry Preparation	
Tested By:	Cesar Lopez	**Date Tested:**	December 27, 2021
Sample Location:	B-4	**Source:**	Native **Depth/Elev:** 0.5 - 4 ft
Sample Description:	Silty fine sand (SM) [Eolian deposit]		



B	METHOD USED (A,B or C)
3/8-inch	SIEVE NUMBER
Mechanical	TYPE OF RAMMER
8.9%	AS REC'D MOISTURE
1.4%	PERCENT RETAINED
2.60	ASSUMED SPECIFIC GRAVITY
125.5	**MAXIMUM DENSITY [PCF]**
11.0	**OPTIMUM MOISTURE [%]**
-	**CORRECTED MAXIMUM DENSITY [PCF]**
-	**CORRECTED OPTIMUM MOISTURE [%]**

Remarks: No modifications made to test method, followed exact test procedure.

.

AASHTO/ASTM/CTM Standards Used:	Unless noted, material was sampled in accordance with AASHTO T2/ASTM D75/CTM 125. Sample tested in accordance with ASTM D2216, D1557 & D4718.

Testing was performed by qualified personnel in accordance with generally accepted industry practice, material testing consultants procedures and the above reference standards. This report is applicable only to the items listed herein. The tests performed and in this report are not intended to be considered as any guarantee or warranty of suitability for service or fitness of use of items tested and it should not be relied on as such. The report has been prepared for the exclusive use of the client and any partial or whole reproduction without the consent of the client is prohibited.

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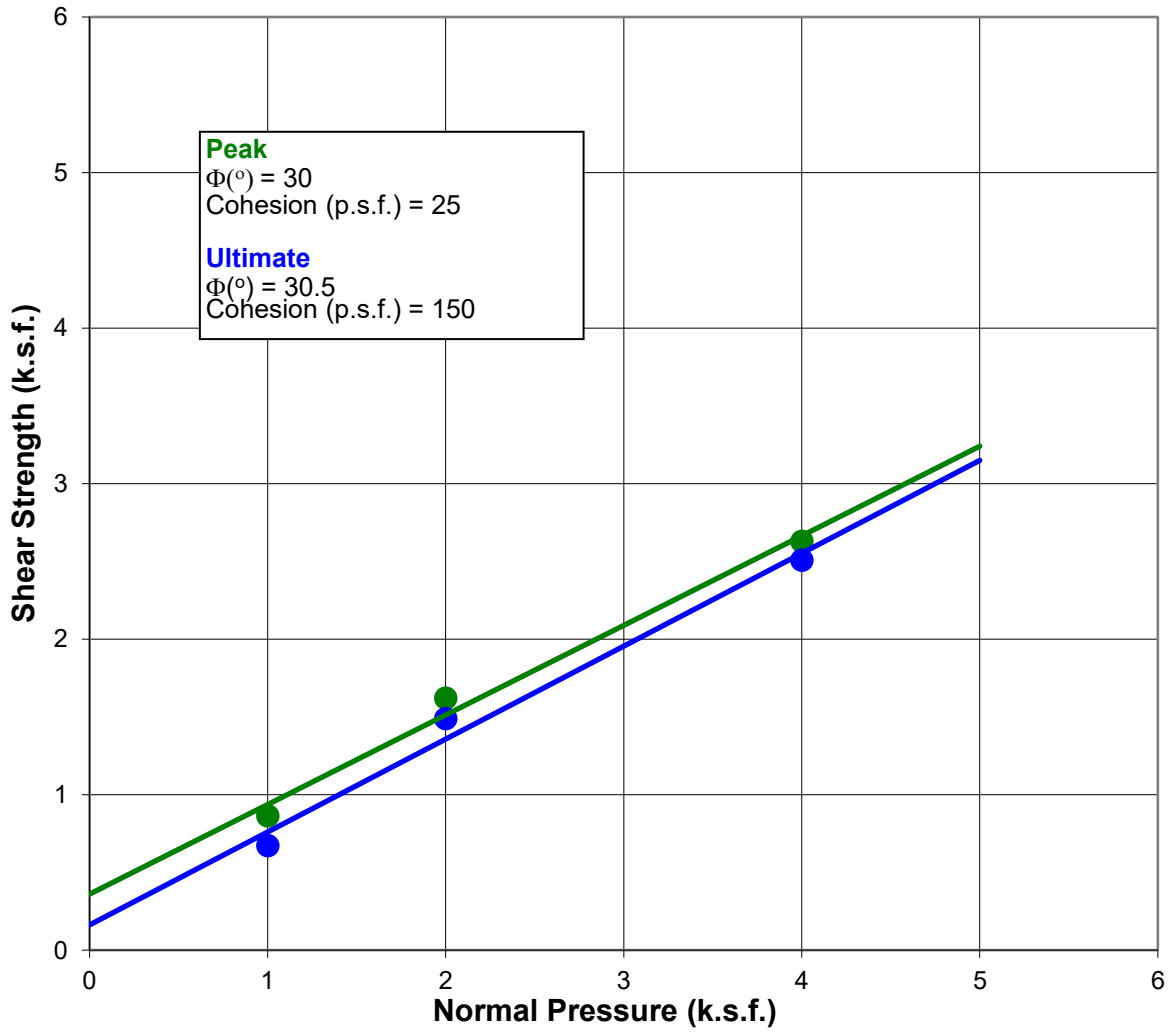
Direct Shear Test Diagram

Project Name:	WPT Capital Advisors, LLC: Bon View Ave.		
Project Number:	4768-SF	Tested by:	Cesar Lopez
Sample Location:	B-4	Date Tested:	December 28, 2021
Sampled by:	Mark Doerschlag	Depth (ft):	0.5 - 4.0
Date Sampled:	December 21, 2021	Lab I.D. No.:	21-2079
Test Condition:	Remolded, Consolidated, Drained.		
Sample Description:	Silty fine sand (SM). [Eolian deposits]		



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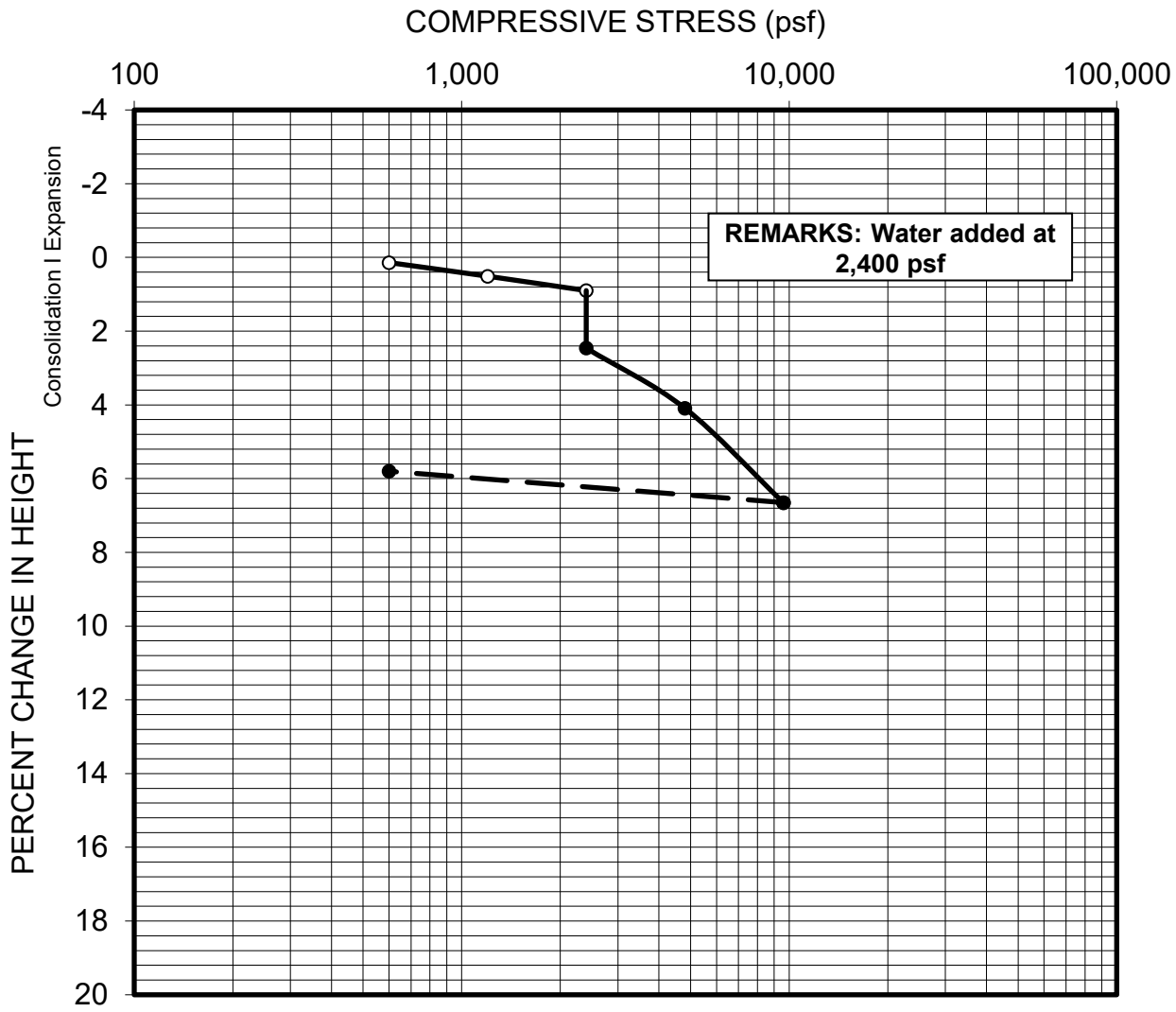
Consolidation Curve

Project Name:	WPT Capital Advisors, LLC: Bon View Ave.		
Project Number:	4768-SF	Tested by:	Cesar Lopez
Sample Location:	B-4	Date Tested:	December 22, 2021
Sampled by:	Mark Doerschlag	Depth (ft):	2.0
Date Sampled:	December 21, 2021	Moisture %:	6.2
Dry Density (pcf):	103.7	Saturation %:	39.3
Sample Description:	Silty fine sand, visibly porous. [Eolian deposits]		



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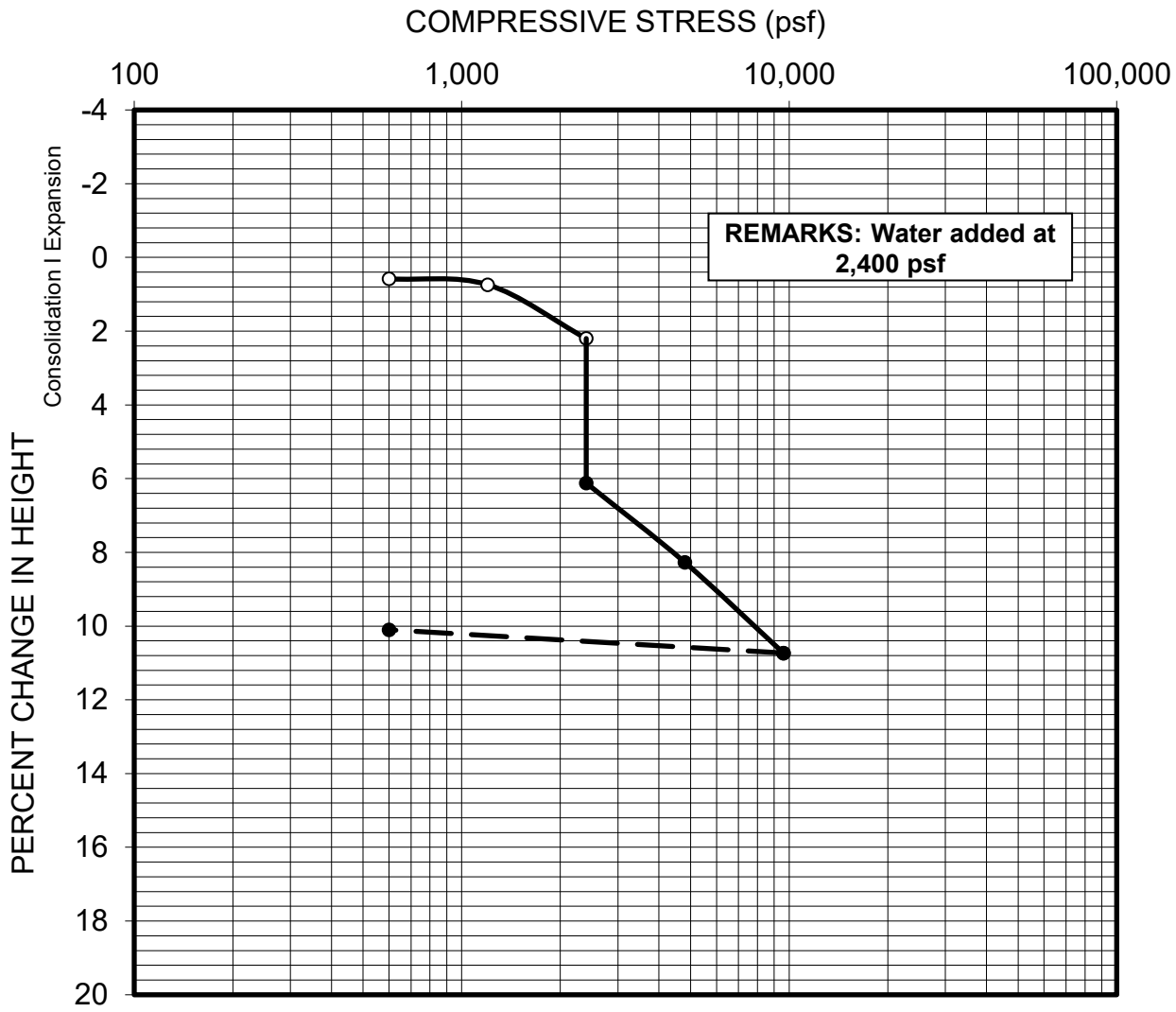
Consolidation Curve

Project Name:	WPT Capital Advisors, LLC: Bon View Ave.		
Project Number:	4768-SF	Tested by:	Cesar Lopez
Sample Location:	B-4	Date Tested:	December 22, 2021
Sampled by:	Mark Doerschlag	Depth (ft):	4.0
Date Sampled:	December 21, 2021	Moisture %:	6.1
Dry Density (pcf):	101.4	Saturation %:	24.9
Sample Description:	Silty fine sand, visibly porous, massive. [Eolian sand]		



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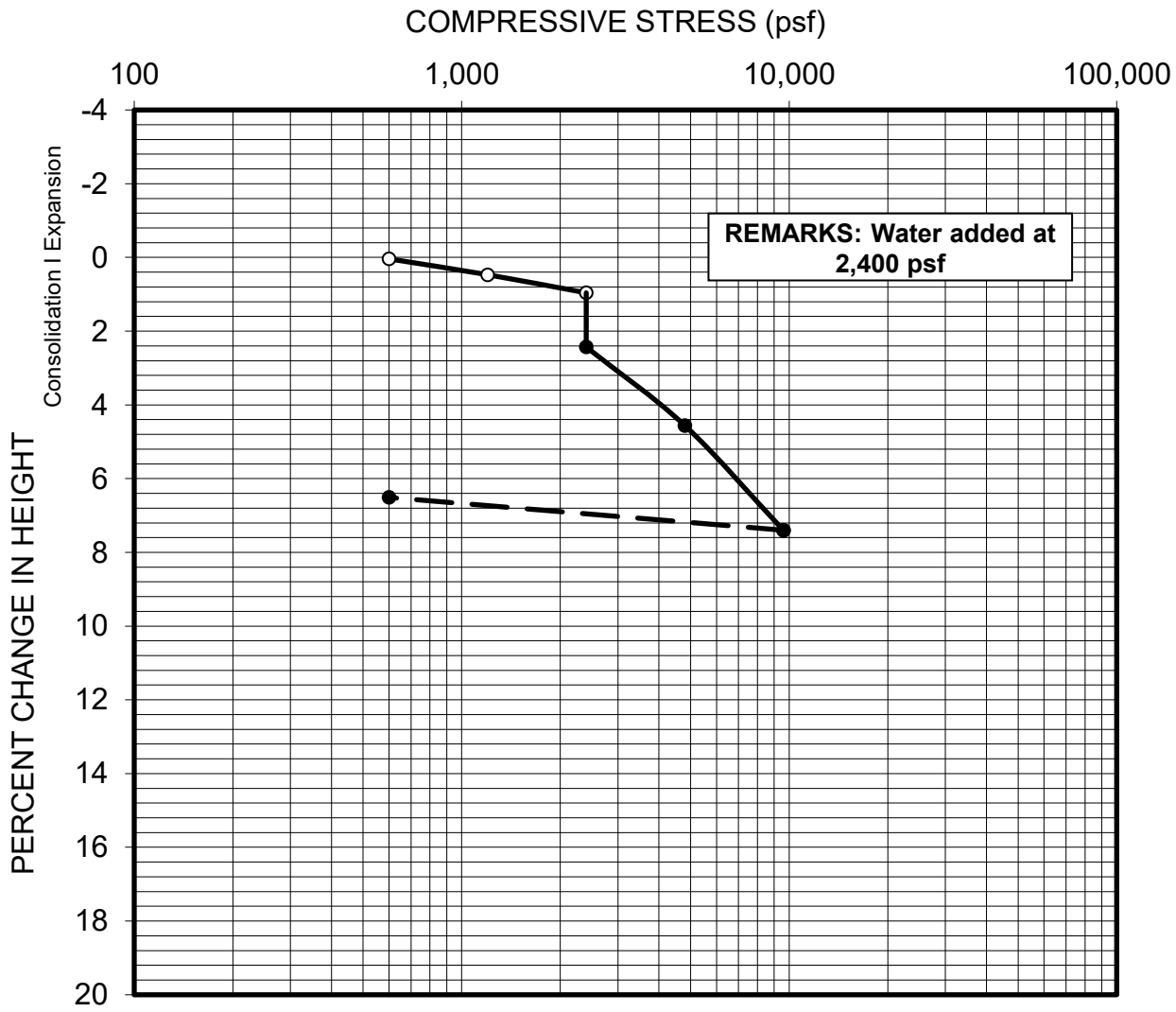
Consolidation Curve

Project Name:	WPT Capital Advisors, LLC: Bon View Ave.		
Project Number:	4768-SF	Tested by:	Cesar Lopez
Sample Location:	B-4	Date Tested:	December 22, 2021
Sampled by:	Mark Doerschlag	Depth (ft):	6.0
Date Sampled:	December 21, 2021	Moisture %:	10.7
Dry Density (pcf):	105.2	Saturation %:	24.9
Sample Description:	Silty sand, very fine grained. [Eolian deposits]		



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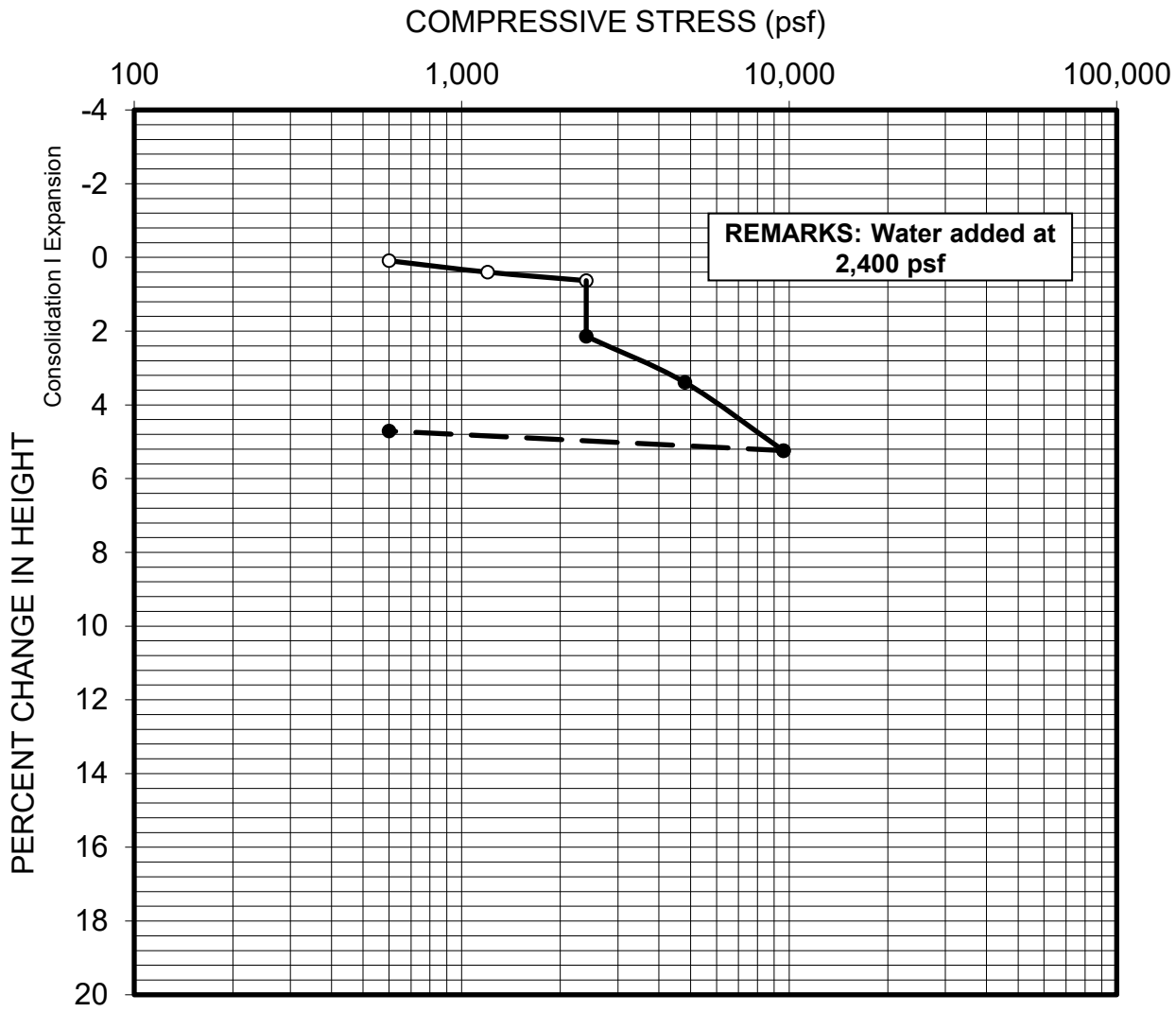
Consolidation Curve

Project Name:	WPT Capital Advisors, LLC: Bon View Ave.		
Project Number:	4768-SF	Tested by:	Cesar Lopez
Sample Location:	B-6	Date Tested:	December 22, 2021
Sampled by:	Mark Doerschlag	Depth (ft):	2.0
Date Sampled:	December 21, 2021	Moisture %:	4.7
Dry Density (pcf):	105.2	Saturation %:	20.5
Sample Description:	Silty sand, fine-grained, bioturbated. [Eolian deposits]		



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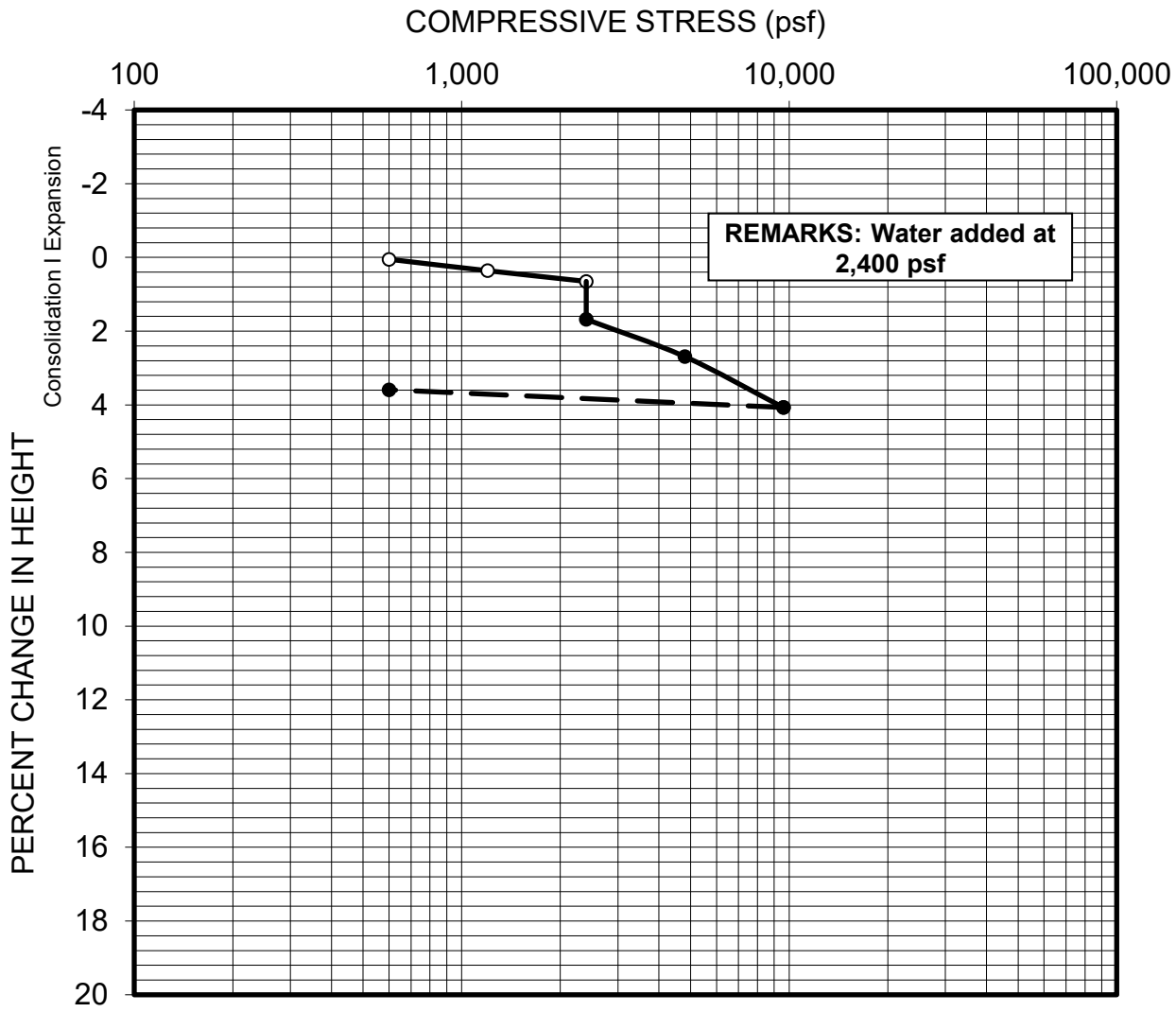
Consolidation Curve

Project Name:	WPT Capital Advisors, LLC: Bon View Ave.		
Project Number:	4768-SF	Tested by:	Cesar Lopez
Sample Location:	B-6	Date Tested:	December 22, 2021
Sampled by:	Mark Doerschlag	Depth (ft):	4.0
Date Sampled:	December 21, 2021	Moisture %:	6.8
Dry Density (pcf):	108.2	Saturation %:	32.9
Sample Description:	Silty fine sand, trace coarse. [Eolian deposits]		



PALEONTOLOGICAL ASSESSMENT FOR THE 627 BON VIEW PROJECT

CITY OF ONTARIO
SAN BERNARDINO COUNTY, CALIFORNIA

APN 1049-181-14

Prepared for:

EPD Solutions
2355 Main Street, Suite 100
Irvine, California 92614

Submitted to:

City of Ontario
Planning Department
303 East B Street
Ontario, California 91764

Prepared by:

BFSA Environmental Services,
a Perennial Company
14010 Poway Road, Suite A
Poway, California 92064

BFSA Environmental Services
A Perennial Company

March 1, 2023

Paleontological Database Information

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Report Date:	March 1, 2023
Report Title:	Paleontological Assessment for the 627 Bon View Project, Ontario, San Bernardino County, California
Prepared for:	EPD Solutions 2355 Main Street, Suite 100 Irvine, California 92614
Submitted to:	City of Ontario Planning Department 303 East B Street Ontario, California 91764
USGS Quadrangle:	USGS *Ontario, California* (7.5-minute), Section 29, Township 1 South, Range 7 West
Assessor's Parcel Number:	1049-181-14
Study Area:	10.06 acres
Key Words:	Paleontological assessment; Pleistocene alluvial fan deposits; High sensitivity; City of Ontario.

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I. INTRODUCTION AND LOCATION

A paleontological resource assessment has been completed for the 627 Bon View Project located northeast of the intersection of East California Street and South Bon View Avenue in the city of Ontario, San Bernardino County, California (Figures 1 and 2). The project consists of one 10.06-acre parcel (Assessor's Parcel Number [APN] 1049-181-14). On the U.S. Geological Survey 7.5-minute, 1:24,000-scale *Ontario, California* topographic quadrangle map, the project is situated within Section 29, Township 1 South, Range 7 West, of the San Bernardino Baseline and Meridian (see Figure 2). The property, most of which has been previously developed for commercial/industrial use, is being considered for re-development.

As the lead agency, the City of Ontario has required the preparation of a paleontological assessment to evaluate the project's potential to yield paleontological resources. The paleontological assessment of the project included a review of paleontological literature and fossil locality records for a previous project in the area; a review of the underlying geology; and recommendations to mitigate impacts to potential paleontological resources.

II. REGULATORY SETTING

The California Environmental Quality Act (CEQA), which is patterned after the National Environmental Policy Act, is the overriding environmental regulation that sets the requirement for protecting California's paleontological resources. CEQA mandates that governing permitting agencies (lead agencies) set their own guidelines for the protection of nonrenewable paleontological resources under their jurisdiction.

State of California

Under "Guidelines for Implementation of the California Environmental Quality Act," as amended in December 2018 (California Code of Regulations [CCR] Title 14, Division 6, Chapter 3, Sections 15000 et seq.), procedures define the types of activities, persons, and public agencies required to comply with CEQA. Section 15063 of the CCR provides a process by which a lead agency may review a project's potential impact to the environment, whether the impacts are significant, and provide recommendations, if necessary.

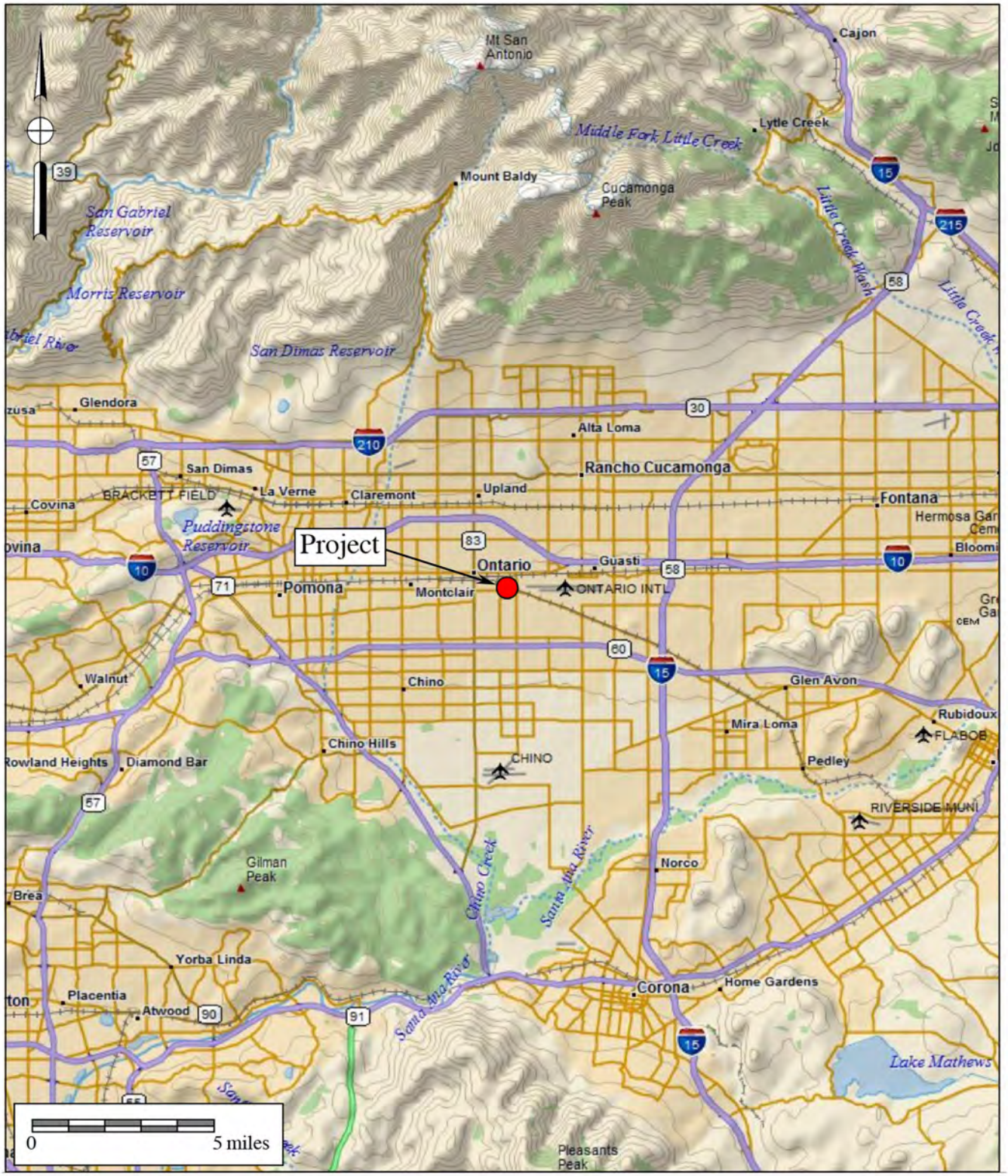

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Figure 1

General Location Map

The 627 Bon View Project

DeLorme (1:250,000 series)

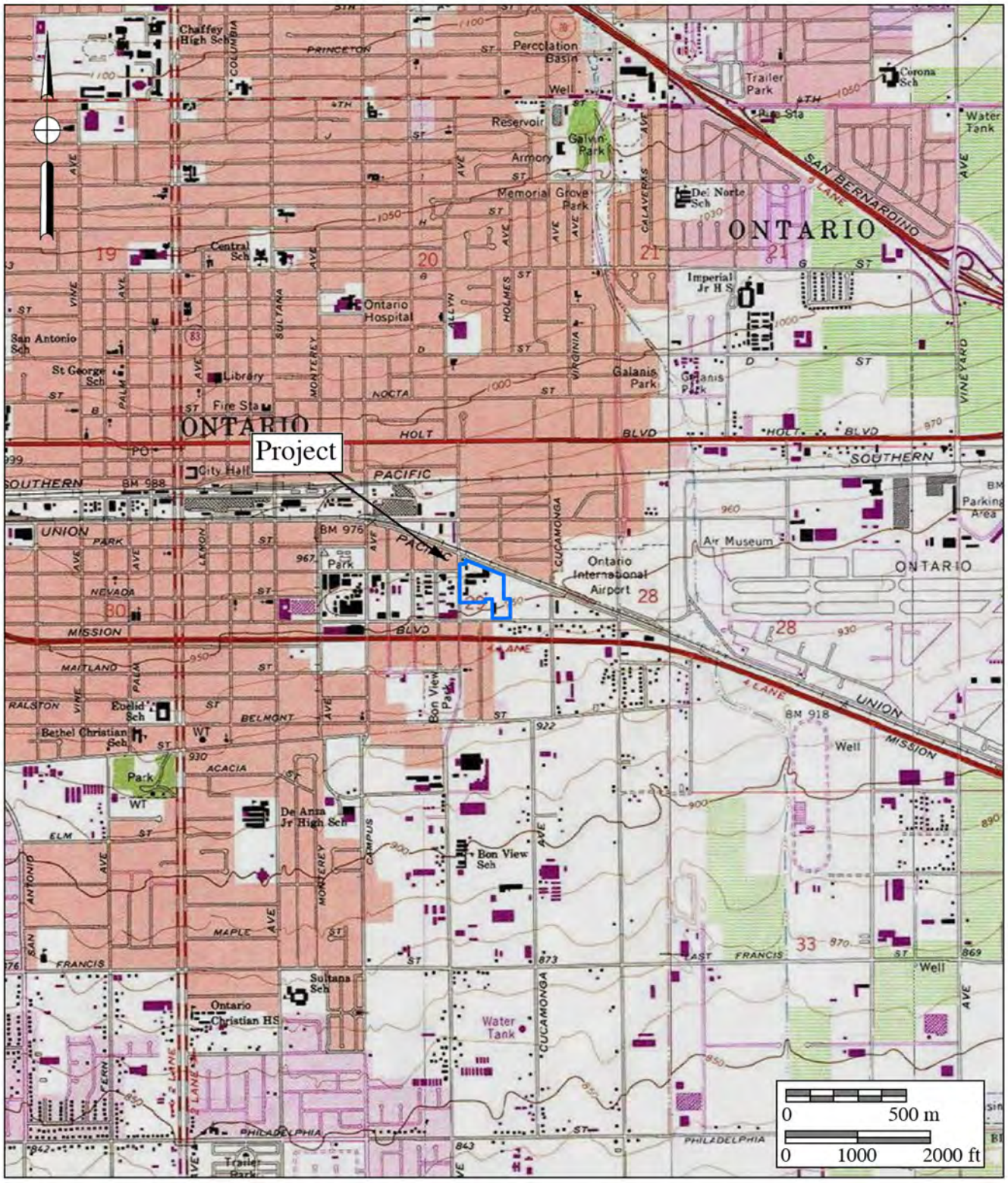

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Figure 2
Project Location Map

The 627 Bon View Project

USGS *Ontario* Quadrangle (7.5-minute series)

In CEQA's Environmental Checklist Form, one of the questions to answer is, "Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?" (Appendix G, Section VII, Part f). This is to ensure compliance with California Public Resources Code Section 5097.5, the law that protects nonrenewable resources, including fossils, which is paraphrased below:

a) A person shall not knowingly and willfully excavate upon, or remove, destroy, injure or deface any historic or prehistoric ruins, burial grounds, archaeological or vertebrate paleontological site, including fossilized footprints, inscriptions made by human agency, rock art, or any other archaeological, paleontological or historical feature, situated on public lands, except with the express permission of the public agency having jurisdiction over such lands.
b) As used in this section, "public lands" means lands owned by, or under the jurisdiction of, the state, or any city, county, district, authority, or public corporation, or any agency thereof.
c) A violation of this section is a misdemeanor.

City of Ontario

The Ontario Plan (TOP) 2050 Final Supplemental Environmental Impact Report (FSEIR) sets forth goals and policies for the City to manage future growth and land uses. According to Impact 5.7-6 of the FSEIR:

> Ontario is underlain by deposits of Quaternary and upper-Pleistocene sediments deposited during Pliocene and early Pleistocene time. Quaternary Older Alluvial sediments may contain significant, nonrenewable, paleontological resources and are therefore considered to have high sensitivity. Older Pleistocene alluvial sediments can yield fossil remains, often found at depths of 10 feet or more below existing ground surface. As previously discussed, for the Approved TOP, the San Bernardino County Museum, Division of Geological Sciences, conducted the paleontological records search and found one previously known paleontological resource locality recorded by the Regional Paleontologic Locality Inventory, a computer database with positional and contextual data for more than 3,000 fossil localities throughout California and the southwestern United States. This review found one paleontological locality for the City area (SBCM 5.1.8). This locality yielded the remains of a mammoth from approximately 20 feet below the ground surface. As a result, the possibility of finding additional paleontological resources within City boundaries is moderate to high at depths of 10 feet or more below ground surface. (PlaceWorks 2022a)

To mitigate the potential impacts identified in Impact 5.7-6, the DSEIR proposes the following mitigation measures. These measures are also stated in the Mitigation Monitoring and Reporting Program of TOP 2050 (PlaceWorks 2022b), and are outlined in Section VI.:

III. GEOLOGY

The project is located in the middle of the Pomona Valley, the surface of which is covered by middle Holocene-aged young alluvial-fan deposits, "Unit 3" (gray areas labeled "Qyf_{3a}" on Figure 3, after Morton and Miller 2006). These deposits are composed of slightly to moderately consolidated sandy deposits having slightly to moderately dissected surfaces. Slightly older, Holocene to late Pleistocene-aged, alluvial-fan deposits are east of the project (yellow areas labeled "Qyf_1" on Figure 3), while artificial fill deposits indicate the area of the Ontario International Airport farther east (brown area labeled "Qaf" on Figure 3).

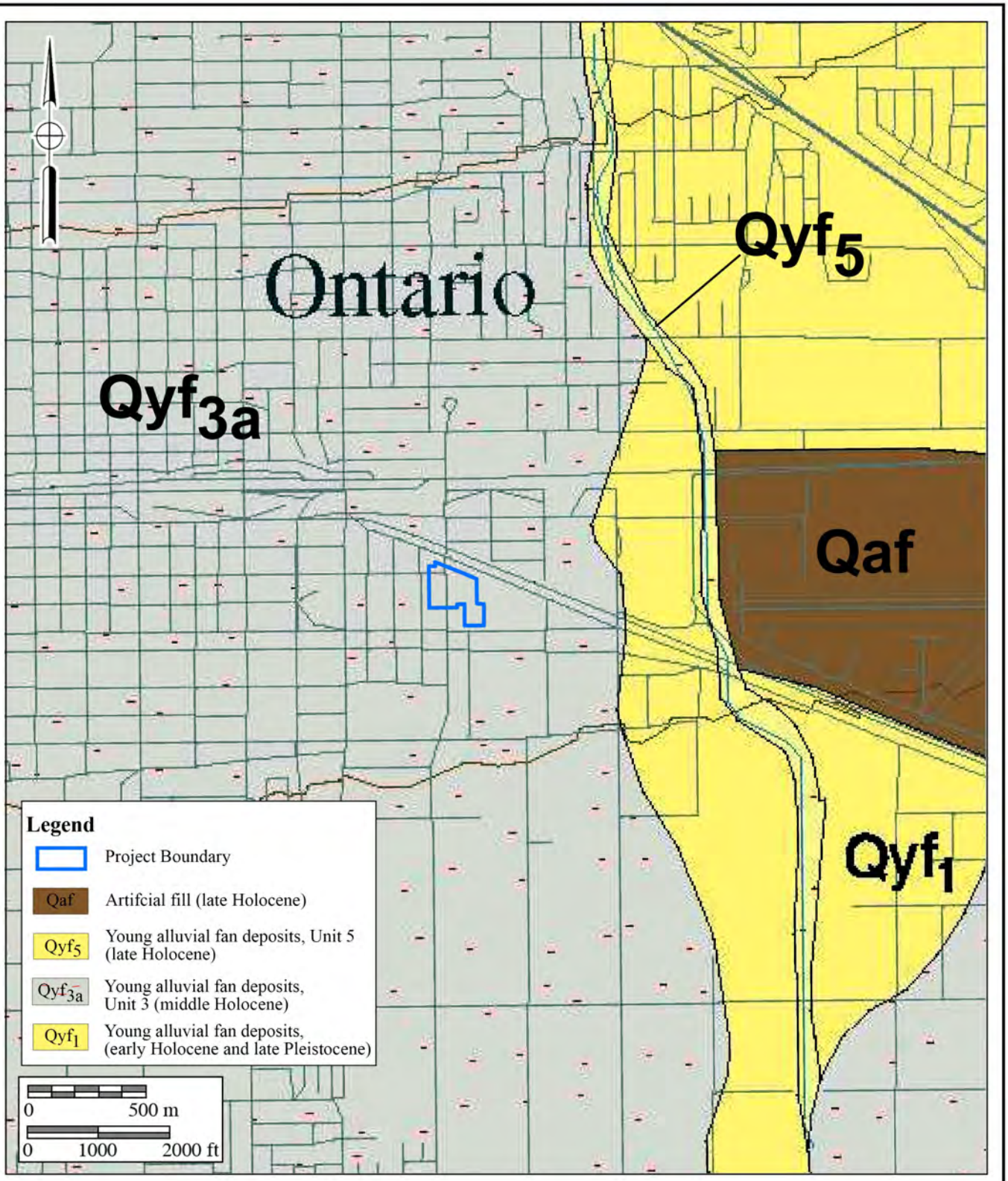

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Figure 3

Geologic Map

The 627 Bon View Project

Geology after Morton and Miller (2006)

IV. PALEONTOLOGICAL RESOURCES

Definition

Paleontological resources are the remains of prehistoric life that have been preserved in geologic strata. These remains are called fossils and include bones, shells, teeth, and plant remains (including their impressions, casts, and molds) in the sedimentary matrix, as well as trace fossils such as footprints and burrows. Fossils are considered older than 5,000 years of age (Society of Vertebrate Paleontology 2010) but may include younger remains (subfossils) when viewed in the context of local extinction of the organism or habitat, for example. Fossils are considered a nonrenewable resource under state and local guidelines (see Section II of this report).

Fossil Locality Search

A paleontological literature review and collections and records search was performed for the project with collection and locality records searches using reports obtained for prior nearby projects from the Division of Geological Sciences at the San Bernardino County Museum (SBCM), the Los Angeles County Museum of Natural History (LACM), the Western Science Center (WSC), and finally, with data from published and unpublished paleontological literature. Record searches indicated that the LACM has no known fossil localities within the project boundaries or near the project. Records from the SBCM indicate the closest-known fossil locality is located approximately five miles east of the project along Champagne Avenue, consisting of the remains of a mammoth from a depth of about 20 feet below the surface (SBCM locality no. 5.1.8; Jefferson 2009; The Planning Center 2009). Holdings at the WSC record a locality approximately five miles to the south, near Merrill Avenue, yielding sparse mammalian remains that include a large bovid-like artiodactyl (even-toed grazer), from about five to seven feet deep (WSC locality no. WSC-2021-197; Wirths 2021). Several other fossil localities held by the SBCM were recovered nearby in southwestern Fontana. All of these localities are late Pleistocene in age.

Project Survey

On May 10, 2022, staff under the supervision of Principal Investigator Todd A. Wirths from BFSA Environmental Services, a Perennial Company, conducted an intuitive review of the property to determine if any paleontological resources were visible. The field methodology employed for the project included walking evenly spaced survey transects set approximately 10 meters apart while visually inspecting the ground surface, when possible. All potentially sensitive areas where paleontological resources might be located were closely inspected. The property was mostly paved and developed with buildings. The southern portion of the parcel was mostly unpaved, but graded flat and covered with crushed gravel. No bedrock outcrops were exposed that might indicate the presence of fossils. No paleontological resources, or evidence of paleontological resources, were observed during the survey.

V. PALEONTOLOGICAL SENSITIVITY

Overview

The degree of paleontological sensitivity of any particular area is based on a number of factors, including the documented presence of fossiliferous resources on a site or in nearby areas, the presence of documented fossils within a particular geologic formation or lithostratigraphic unit, and whether or not the original depositional environment of the sediments is one that might have been conducive to the accumulation of organic remains that might have become fossilized over time. Holocene alluvium is generally considered to be geologically too young to contain significant nonrenewable paleontological resources (*i.e.,* fossils) and is thus typically assigned a low paleontological sensitivity. Pleistocene (over 11,700 years old) alluvial and alluvial fan deposits in the Inland Empire, such as those that are exposed nearby the project ("Qyf_1" on Figure 3), however, often yield important terrestrial vertebrate fossils, such as extinct mammoths, mastodons, giant ground sloths, extinct species of horse, bison, camel, saber-toothed cats, and others (Jefferson 2009). These Pleistocene sediments are thus accorded a High paleontological resource sensitivity.

Professional Standards

The Society of Vertebrate Paleontology (SVP 2010) has drafted guidelines that include four categories of paleontological sensitivity for geologic units (formations) that might be impacted by a proposed project, as listed below:

- *High Potential:* Rock units from which vertebrate or significant invertebrate, plant, or trace fossils have been recovered.
- *Undetermined Potential:* Rock units for which little information is available concerning their paleontological content, geologic age, and depositional environment, and further study is needed to determine the potential of the rock unit.
- *Low Potential:* Rock units that are poorly represented by fossil specimens in institutional collections or based on a general scientific consensus that only preserve fossils in rare circumstances.
- *No Potential:* Rock units that have no potential to contain significant paleontological resources, such as high-grade metamorphic rocks and plutonic igneous rocks.

Using these criteria, based on the presence of nearby age-appropriate, geologic deposits at the surface that also underlie the project that likely yielded the fossils in southern and eastern Ontario, the alluvial fan deposits at the project may be considered to have an undetermined potential to yield significant paleontological resources.

City of Ontario Assessment of Paleontological Sensitivity

The City of Ontario considers strata at depths of 10 feet or greater as having a moderate to high paleontological sensitivity. As such, the potential to uncover undiscovered paleontological resources is considered high (PlaceWorks 2022a: 5.7-17).

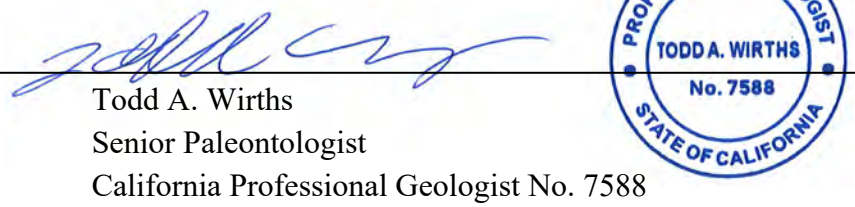
VI. CONCLUSIONS AND RECOMMENDATIONS

Research has confirmed the existence of potentially fossiliferous late Pleistocene alluvial fan deposits ("Qyf_1" on Figure 3) that likely underlie the Holocene young alluvial fan sediments mapped at the surface ("Qyf_{3a}" on Figure 3) of the project. The occurrence of terrestrial vertebrate fossils at shallow depths from Pleistocene alluvial fan sediments across the Inland Empire is well documented. The high paleontological sensitivity rating typically assigned to Pleistocene alluvial fan sediments for yielding paleontological resources supports the recommendation that Mitigation Measure MM 5-2 of the City of Ontario (PlaceWorks 2022b) be implemented during earth disturbance activities, stated below:

> Mitigation Measure MM 5-2: In areas of documented or inferred archaeological and/or paleontological resource presence, City staff shall require applicants for development permits to provide studies to document the presence/absence of such resources. On properties where resources are identified, such studies shall provide a detailed mitigation plan, including a monitoring program and recovery and/or in situ preservation plan, based on the recommendations of a qualified cultural preservation expert. The mitigation plan shall include the following requirements:
>
> a) Archaeologists and/or paleontologist shall be retained for the project and will be on call during grading and other significant ground-disturbing activities.
> b) Should any cultural/scientific resources be discovered, no further grading shall occur in the area of the discovery until the Planning Director is satisfied that adequate provisions are in place to protect these resources.
> c) Unanticipated discoveries shall be evaluated for significance by a San Bernardino County Certified Professional Archaeologist/Paleontologist. If significance criteria are met, then the project shall be required to perform data recovery, professional identification, radiocarbon dates, and other special studies; submit materials to a museum for permanent curation; and provide a comprehensive final report including catalog with museum numbers. (PlaceWorks 2022a, 2022b)

VII. CERTIFICATION

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this paleontological report, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief, and have been compiled in accordance with CEQA criteria.



March 1, 2023

Todd A. Wirths
Senior Paleontologist
California Professional Geologist No. 7588

Date

VIII. REFERENCES

Jefferson, G.T. 2009. [A] Catalogue of late Quaternary vertebrates from California. Unpublished draft manuscript dated 11 March 2009, revised from the 1991 Natural History Museum of Los Angeles County publication, Technical Reports, no. 7: i-v + 1-129.

Morton, D.M. and Miller, F.K. 2006. Geologic map of the San Bernardino and Santa Ana 30' x 60' quadrangles, California: U.S. Geological Survey Open-File Report 06-1217, scale 1:100,000.

Society of Vertebrate Paleontology. 2010. Standard procedures for the assessment and mitigation of adverse impacts to paleontological resources; by the SVP Impact Mitigation Guidelines Revision Committee. Electronic document, https://vertpaleo.org/wp-content/uploads/2021/01/SVP_Impact_Mitigation_Guidelines-1.pdf.

PlaceWorks. 2022a. Chapter 5. Environmental Analysis. The Ontario Plan 2050 Final Supplemental Environmental Impact Report, SCH No. 2021070364. Prepared for the City of Ontario by PlaceWorks, Santa Ana, California. https://www.ontarioca.gov/sites/default/files/OntarioFiles/Planning/The%20Ontario%20Plann/EIR/Final_DraftSEIR_TOP2050.pdf.

PlaceWorks. 2022b. Mitigation Monitoring and Reporting Program. The Ontario Plan 2050 for City of Ontario, SCH No. 2021070364. Prepared for the City of Ontario by PlaceWorks, Santa Ana, California.

Wirths, T.A. 2021. Paleontological Monitoring Report for the Ontario 432 Project, City of Ontario, San Bernardino County, California (TR 18929 and 18930). Unpublished consulting report for Landsea Homes, Irvine, California, by Brian F. Smith and Associates, Inc., Poway, California.

APPENDIX A

Qualifications of Key Personnel

Todd A. Wirths, MS, PG No. 7588

Senior Paleontologist

BFSA Environmental Services, A Perennial Company
14010 Poway Road • Suite A •
Phone: (858) 679-8218 • Fax: (858) 679-9896 • E-Mail: twirths@bfsa.perennialenv.com

Education

Master of Science, Geological Sciences, San Diego State University, California	1995
Bachelor of Arts, Earth Sciences, University of California, Santa Cruz	1992

Professional Certifications

California Professional Geologist #7588, 2003
Riverside County Approved Paleontologist
San Diego County Qualified Paleontologist
Orange County Certified Paleontologist
OSHA HAZWOPER 40-hour trained; current 8-hour annual refresher

Professional Memberships

Board member, San Diego Geological Society
San Diego Association of Geologists; past President (2012) and Vice President (2011)
South Coast Geological Society
Southern California Paleontological Society

Experience

Mr. Wirths has more than a dozen years of professional experience as a senior-level paleontologist throughout southern California. He is also a certified California Professional Geologist. At BFSA, Mr. Wirths conducts on-site paleontological monitoring, trains and supervises junior staff, and performs all research and reporting duties for locations throughout Los Angeles, Ventura, San Bernardino, Riverside, Orange, San Diego, and Imperial Counties. Mr. Wirths was formerly a senior project manager conducting environmental investigations and remediation projects for petroleum hydrocarbon-impacted sites across southern California.

Selected Recent Reports

2019 *Paleontological Assessment for the 10575 Foothill Boulevard Project, City of Rancho Cucamonga, San Bernardino County, California*. Prepared for T&B Planning, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2019 *Paleontological Assessment for the MorningStar Marguerite Project, Mission Viejo, Orange County, California.* Prepared for T&B Planning. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2019 *Paleontological Monitoring Report for the Nimitz Crossing Project, City of San Diego.* Prepared for Voltaire 24, LP. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2019 *Paleontological Resource Impact Mitigation Program (PRIMP) for the Jack Rabbit Trail Logistics Center Project, City of Beaumont, Riverside County, California.* Prepared for JRT BP 1, LLC. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Monitoring Report for the Oceanside Beachfront Resort Project, Oceanside, San California.* Prepared for S.D. Malkin Properties. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Resource Impact Mitigation Program for the Nakase Project, Lake Forest, Orange County, San California.* Prepared for Glenn Lukos Associates, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Resource Impact Mitigation Program for the Sunset Crossroads Project, Banning, Riverside County*. Prepared for NP Banning Industrial, LLC. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Assessment for the Ortega Plaza Project, Lake Elsinore, Riverside County*. Prepared for Empire Design Group. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Resource Record Search Update for the Green River Ranch III Project, Green River Ranch Specific Plan SP00-001, City of Corona, California*. Prepared for Western Realco. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Assessment for the Cypress/Slover Industrial Center Project, City of Fontana, San Bernardino County, California*. Prepared for T&B Planning, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Monitoring Report for the Imperial Landfill Expansion Project (Phase VI, Segment C-2), Imperial County, California*. Prepared for Republic Services, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2021 *Paleontological Assessment for the Manitou Court Logistics Center Project, City of Jurupa Valley, Riverside County, California*. Prepared for Link Industrial. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2021 *Paleontological Resource Impact Mitigation Program for the Del Oro (Tract 36852) Project, Menifee, Riverside County*. Prepared for D.R. Horton. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2021 *Paleontological Assessment for the Alessandro Corporate Center Project (Planning Case PR-2020-000519), City of Riverside, Riverside County, California*. Prepared for OZI Alessandro, LLC. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2021 *Paleontological Monitoring Report for the Boardwalk Project, La Jolla, City of San Diego*. Prepared for Project Management Advisors, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

Phase I Environmental Site Assessment

Industrial Property
621 and 627 South Bon View Avenue
Ontario, California

File No. 227703324

December 2021

Prepared for:

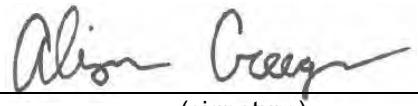
WPT Capital Advisors
150 South 5th Street
Suite 2675
Minneapolis, Minnesota 55402

Prepared by:

Stantec Consulting Services Inc.
1800 Pioneer Creek Center
Maple Plain, MN 55359

PHASE I ENVIRONMENTAL SITE ASSESSMENT
INDUSTRIAL PROPERTY
December 2021

This document entitled *Phase I Environmental Site Assessment: Industrial Property, 621 and 627 South Bon View Avenue, Ontario, San Bernadino County, California* was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of WPT Capital Advisors (the "Client"). Any reliance on this document by any third party is strictly prohibited. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

Prepared by 
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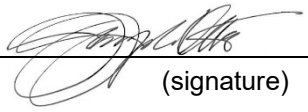
Alison Creeger
Environmental Scientist

Approved by 
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J. Joseph Otte
Principal

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1.0 EXECUTIVE SUMMARY

1.1 PURPOSE AND SCOPE

Stantec Consulting Services Inc. (Stantec) was authorized by Mr. Scott Haugen, Partner – Asset Manager at WPT Capital Advisors, to conduct this Phase I Environmental Site Assessment (ESA).

This ESA was conducted in accordance with the American Society for Testing and Materials (ASTM) Phase I Environmental Site Assessment Process, Designation E-1527-13 (ASTM Phase I Standard) and satisfies standards and practices set forth in 40 CFR Part 312 – Standards for Conducting All Appropriate Inquiry (AAI Rule) for the purposes of meeting the all appropriate inquiries provisions necessary to qualify for certain landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. § 9601(35)(B).

1.2 SUBJECT PROPERTY

The Subject Property is located at 621 and 627 South Bon View Avenue, Ontario, San Bernardino County, California.

1.3 CONCLUSIONS

This ESA has identified the following *recognized environmental conditions* (RECs) relative to the Subject Property:

- The historical use of the Subject Property as an industrial facility from at least 1947 to the 2010s is considered a REC for the Subject Property based on the likely use of hazardous materials at a time when such materials were not regulated.
- The unknown status of two solvent and one fuel oil underground storage tanks (USTs) on the Subject Property is considered a REC.
- The off-site Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, is considered a REC based on the identified tetrachloroethylene (PCE) and trichloroethylene (TCE) plume in both soil vapor and groundwater.

This ESA has identified no evidence of *controlled recognized environmental conditions* (CRECs) or *historical recognized environmental conditions* (HRECs) in connection with the Subject Property.

2.0 PURPOSE AND SCOPE

2.1 PURPOSE

Stantec was authorized by Mr. Scott Haugen, Partner – Asset Management at WPT Capital Advisors, to conduct this Phase I ESA of the property and improvements located at 621 and 627 South Bon View Avenue, Ontario, San Bernardino County, California; the Subject Property. The Subject Property consists of 10.05 acres with five light industrial buildings, one office building, paved parking and outdoor material storage. Access to the Subject Property is from South Bon View Avenue. The Subject Property location is depicted in **Figure 1**. A Site Detail Map of the Subject Property is included as **Figure 2**.

The conclusions contained in this report have been made to assist WPT Capital Advisors in evaluating environmental conditions at the present time at the Subject Property. In addition, the report is intended to satisfy the requirements of "all appropriate inquiry… consistent with good commercial or customary practice" referenced in the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. § 9601(35)(B).

2.2 SCOPE

This ESA was prepared in accordance with the ASTM Phase I Standard and AAI Rule to identify, to the extent feasible and in accordance with the processes described herein: recognized environmental conditions, controlled recognized environmental conditions, and historical recognized environmental conditions in connection with the Subject Property.

As defined in ASTM E 1527-13, the term *recognized environmental condition* (REC) means "the presence or likely presence of any hazardous substances or petroleum products in, on or at a property: (1) due to a release to the environment; (2) under conditions of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." Additionally, though not specifically defined in ASTM E1527-13, Stantec considers the presence of a *vapor encroachment condition* to be a REC.

As defined in ASTM E1527-13, the term *controlled recognized environmental condition* (CREC) means "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls."

As defined in ASTM E1527-13, the term *historical recognized environmental condition* (HREC) means "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls."

As defined in ASTM E1527-13, the term *business environmental risk* means “a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice.”

A summary of the general scope of work for this project is described in the following tasks:

- **Task I. Records Retrieval and Review of Records:** Stantec obtained publicly available, practically reviewable and reasonably ascertainable federal, state, county and city information about the Subject Property and other properties within minimum established search distances of the Subject Property. These sources were searched for any information about RECs, CRECs, HRECs or business-related environmental risks relative to the Subject Property. This search included a review of Superfund sites; waste treatment, storage and disposal facilities regulated under RCRA; spills or discharges of hazardous substances, toxic materials or petroleum products; and known or recorded landfills; and/or well databases.

- **Task II. Site Reconnaissance:** Stantec visually inspected the Subject Property to evaluate the Subject Property for RECs, CRECs, HRECs and business-related environmental risks. The structures and grounds of the Subject Property were observed for filling, subsidence, unusual land or surface forms, colorations, odors, indications of dumping, and evidence of suspect environmental features on the Subject Property such as tanks, drains, drywells, etc. Observations pertaining to adjacent property use were also recorded where such observations pertained to RECs, CRECs, HRECs or business-related environmental risks relative to the Subject Property.

- **Task III. Interviews of People with Knowledge of the Subject Property**: Stantec interviewed people with knowledge of the history of the Subject Property and of the surrounding properties. Interviews were completed in order to obtain information pertaining to RECs, CRECs or HRECs relative to the Subject Property. Interviewees included the Subject Property owner(s) and occupant(s), as well as local government officials.

  Data gathered in the course of performing the above three tasks was used in concert to determine if information from one source indicated the need for additional information from another source.

- **Task IV. Reporting:** Stantec completed this Phase I ESA by combining the information retrieved through data searches with the observations that were made during the Subject Property reconnaissance and interviews. Photographs were taken to document the overall status and current use of the Subject Property and specific areas of concern.

Deviations from the scope described in the ASTM Phase I Standard are identified in Section 2.3.

2.3 DEVIATIONS

No intentional deviations from the ASTM Phase I Standard were made in preparing this report.

2.4 LIMITATIONS AND EXCEPTIONS

The results of this study, performed by Stantec, are based on the scope of work defined in Section 2.2, subject to any project-specific limitations or project-specific additional non-scope considerations described herein.

- Two buildings were secured and could not be accessed at the time of the site reconnaissance (the office building at 621 South Bon View and a garage-type structure called the Fleet Warehouse in the central portion of the Subject Property).
- Additionally, two portions of the Subject Property were secured by perimeter fencing and could not be accessed at the time of the site reconnaissance (the yard behind 621 South Bon View and the unpaved area at the southeast portion of the Subject Property).

As is the case with any investigation of finite scope, this review is intended to reduce, but cannot eliminate, the uncertainty regarding the potential for RECs, CRECs or HRECs in connection with the Subject Property. Therefore, the possibility of the presence of some localized substances that may be classified as hazardous cannot be ruled out completely. However, it is Stantec's opinion that the conditions observed at the Subject Property are representative of existing conditions at the time of the site reconnaissance.

2.5 SIGNIFICANT ASSUMPTIONS

Stantec assumes that WPT Capital Advisors and any interviewed parties have provided accurate information that will assist Stantec in determining appropriate inquiry, including but not limited to actual knowledge, previously prepared reports, environmental cleanup liens and title review information. In addition, Stantec assumes, for the purposes of the site reconnaissance, adequate information has been provided to accurately establish the physical boundaries of the real property being evaluated.

2.6 SPECIAL TERMS AND CONDITIONS

The purpose of this report is to aid in the environmental assessment of the Subject Property and not to evaluate the structural condition of buildings or other features of the Subject Property.

Stantec has performed its work in a manner consistent with the care and skill ordinarily exercised by members of the environmental profession. The conclusions contained in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted engineering practices at this time and location. Stantec does not offer any form of warranty or guarantee that the Subject Property contains no hazardous substances, pollutants or contaminants.

Stantec assumes no responsibility for the accuracy of information that was obtained from other sources, including, without limitation, regulatory and government agencies, persons knowledgeable about the Subject Property, persons knowledgeable about adjacent properties and vendors of public practice.

2.7 USER RELIANCE

This report has been prepared solely for the information and use of WPT Capital Advisors. Others wishing to rely on the findings of this report, not having a contractual relationship with Stantec, do so without permission and at their own risk. Our professional recommendations made to the addressee(s) are exclusive to that party's disclosed intended or proposed consideration with respect to the Subject Property at the present time.

3.0 SITE DESCRIPTION

3.1 USE OF SUBJECT PROPERTY

The Subject Property is located in an industrial area in the City of Ontario, California.

Site Address/Location	**Address:** 621 and 627 South Bon View Avenue		**City:** Ontario
	County: San Bernardino		**State:** California
	Township:	**Range:**	**Section:**
	1 North	7 West	Portion of the E ½ of 29
Property Information	**Size:** 10.06 acres		
	Property Identification Number:		
	1049181140000		
Improvements	The Subject Property has five light industrial buildings/ warehouses, one office building and paved parking and outdoor material storage.		
Building Information	**Size:**		**Year of Construction:**
	Industrial building 1 (southern): approximately 20,000-square feet		2000
	Industrial building 2 (north-central): approximately 33,080-square feet		1956
	Industrial building 3 (centrally located): approximately 21,743-square feet		1947
	Industrial building 4 (northeast): approximately 2,480-square feet		1956
	Industrial building 5 (south-central): approximately 1,152-square feet		1959
	Office building: approximately 5,107-square feet		1959
	Description:		
	The buildings are generally re-purposed structures used for storage of tenant-owned cars, RVs, mobile homes, boats, trailers and trucks.		
Use of the Property	**Current Use:**		
	The Subject Property is in use as a storage facility for cars, RVs, mobile homes, boats, trailers and trucks.		
	Past Use:		
	According to reviewed sources of information, the Subject Property was developed with a portion of a road from at least 1897 to 1903. The Subject Property was fully agricultural cropland from at least 1933 to 1947 when the first		

	building was constructed on the Subject Property. The remainder of the existing buildings were constructed in 1956 (two buildings), 1959 (two buildings and 2000 (one building). Past occupants of the Subject Property include ABC Windows Co. and Production Augers Inc., Bestile Manufacturing, AVR Express and Shamrock Paving.
Ownership and Operation of the Property	**Current Ownership & Operation:** The Subject Property is owned and occupied by Fleet RV & Boat Storage LLC.

3.2 CURRENT USE OF ADJOINING PROPERTIES

The following land uses were noted on adjoining properties:

Direction	Description
North	Ontario Access Center and vacant land (beyond East Ontario Boulevard and railroad tracks)
East	Onsite Truck & Equipment Repair shop and Patton's Steel Corporate Offices
South	Foam Zone Inc. recycling center
West	I. E. Automotive repair, Lynwood Pattern Service, Inc. aluminum casting, Primos Cylinder Head Inc. machine shop (beyond South Bon View Avenue)

3.3 PHYSICAL SETTING

3.3.1 Topography

The Subject Property is generally sloping south and is at an elevation ranging from 940 to 950 feet above mean sea level. Site surface drainage is to the south toward the municipal stormwater sewer system associated with East California Street. Historic development may have included grading or filling of the Subject Property to improve the location for construction and drainage.

3.3.2 Geology

Published references describe the surficial geology at the Subject Property as alluvial gravel and sand of valley areas (Dibblee, 2002).

Shallow bedrock in the vicinity of the Subject Property consists of alluvium, lake, playa and terrace deposits (Jennings, 2010).

3.3.3 Hydrogeology

The general direction of regional groundwater flow in the area of the Subject Property is presumed to be to the southeast toward the Santa Ana River. Local conditions may vary due to surface water features, perched groundwater conditions or artificially created drainage systems. Depth to water was estimated to be between 380 and 390 feet below ground surface (SWRCB reviewed files in Section 5.1.2).

4.0 USER PROVIDED INFORMATION

4.1 REASON FOR PERFORMING PHASE I ESA

This Phase I ESA is being performed as a component of due diligence activities and to determine whether RECs, CRECs or HRECs affect the Subject Property.

4.2 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

The Subject Property is owned and occupied by Fleet RV & Boat Storage LLC. The Subject Property Representative, Ms. Deb O'Connell provided access and a tour of the Subject Property.

4.3 TITLE RECORD INFORMATION

A title commitment record for the Subject Property was not provided to Stantec during preparation of this Phase I ESA, and a title search was not within the scope of this ESA.

4.4 USER QUESTIONNAIRE

An All Appropriate Inquiries User Questionnaire was completed by Mr. Scott Haugen, Partner – Asset Manager at WPT Capital Advisors, to establish the User's knowledge of environmental condition of the Subject Property. The following sections include the information obtained from the completed User Questionnaire, which is included in **Appendix A**.

4.4.1 Environmental Liens or Activity and Use Limitation

No independent review of environmental liens was undertaken by Stantec as a part of this scope of work. No activity and use limitations were disclosed to Stantec during preparation of this ESA.

4.4.2 Specialized Knowledge

No prior assessments were provided to Stantec at the outset of this scope of work.

4.4.3 Commonly Known or Reasonably Ascertainable Information

Commonly known or reasonably ascertainable environmental information was found relevant to this study, which is discussed throughout this ESA.

4.4.4 Valuation Reduction for Environmental Reasons

No valuation reduction for environmental reasons was disclosed at the outset of this study.

5.0 RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD RESOURCES

Stantec requested and reviewed a search of files from federal and state databases from GeoSearch for the Subject Property (the GeoSearch Radius Report). Files were searched from Federal and State environmental records databases within minimum search distances as specified in the ASTM Phase I Standard, and the GeoSearch Radius Report included a more extensive database list than those minimally identified as required by the ASTM Phase I Standard. A summary of the sites identified in the GeoSearch Radius Report are discussed below, along with information regarding the significance of the listing for the Subject Property. The GeoSearch Radius Report, which contains more information regarding database descriptions and search distances, is included in **Appendix B**.

5.1.1 Subject Property

The Subject Property **was** identified on the following reviewed regulatory databases in the GeoSearch Radius Report:

- Resource Conservation & Recovery Act – Generator Facilities (RCRAGR09)
- RCRA – Non-Generator Facilities (RCRANGR09)
- Hazardous Waste Tanner Summary (HWTS) – 4 listings
- San Bernardino County Hazardous Site Listing (SBFD)
- Historical Underground Storage Tanks (HISTUST)
- Facility Registry System (FRSCA) – 3 listings
- Enforcement Compliance and History Information (ECHOR09) – 2 listings

The RCRAGR09, HWTS and SBFD and listings identifies ABC Products as an active small quantity generator of hazardous waste. The HWTS specifically identifies off-specification, aged or surplus organics, organic solids, unspecified oil-containing waste, unspecified organic liquid mixture, unspecified aqueous solutions and an unspecified solvent mixture between 1993 and 2007.

The RCRANGR09 and HWTS databases identify Shamrock Paving as a former generator of unspecified oil-containing waste, latex waste, other organic solids and waste oil/ mixed oil in 2016 and 2017.

Additionally, the HWTS database identifies SC Fuels as a hazardous waste generator in 2015 for unspecified oil-containing waste and Fleet RV & Boat Storage as a hazardous waste generator in 2009 and 2010 for unspecified oil-containing waste and other organic solids.

The HISTUST database listing identifies a 4,000-gallon solvent UST (installation date unknown), a 2,000-gallon solvent UST (installed 1960) and a 500-gallon motor vehicle UST (installation date unknown) located on the Subject Property. The two dates that do not list an installation date are likely prior to the third tank in 1960. The three tanks are identified as single-walled with no vaulting.

The FRSCA and ECHOR09 listings are associated with the database listings discussed above.

While there is no identified release or violations, due to the prolonged use of hazardous materials, including solvents, the hazardous waste generator licenses and USTs are considered RECs for the Subject Property. Specifically due to the age and construction of the USTs.

Stantec did not review State/County/City files for these database listings because sufficient information was available from other sources to determine the potential for RECs, CRECs and/or HRECs at the Subject Property.

5.1.2 Surrounding Properties

Additional mapped sites of regulatory interest identified within the search radii defined by the ASTM Phase I Standard, as identified in the GeoSearch Radius Report, include the following:

Number of Sites	Regulatory Database	Comments
5	RCRAGR09 sites	The RCRAGR09 database identifies regulated facilities currently licensed to generate hazardous waste with the Environmental Protection Agency (EPA). Inter Tractor located at 921 East California Street, adjacent south, is listed as a small quantity generator of hazardous waste. Based on the lack of violations, this listing is not considered a REC for the Subject Property. Glenco Manufacturing located at 716 South Bon View Avenue, adjacent west, is listed twice as a small quantity generator of hazardous waste. Based on the lack of violations, this listing is not considered a REC for the Subject Property. Alger Manufacturing Company, Inc. located at 724 South Bon View Avenue, adjacent southwest, is listed as a small quantity generator of tetrachloroethylene (PCE). This site is associated with a PCE discussed below in the SEMARCH database below. Based on the distance from the Subject Property and lack of violations, the last RCRAGR09 listing is not considered a REC for the Subject Property.
25	RCRANGR09 sites	RCRANGR09 listings are sites listed by the EPA as a former generator of hazardous waste. Various adjacent properties are listed as former hazardous waste generators. The type of waste produced is not identified and no violations are identified. These listings, plus the remaining listings due to distance, are not considered RECs for the Subject Property.
1	RCRA – Subject to Corrective Action Facilities (RCRAC) site	The RCRAC database includes facilities with corrective action activity regarding hazardous waste on site.

Number of Sites	Regulatory Database	Comments
		The RCRAC listing is located approximately 0.57 miles from the Subject Property. Based on the distance, this listing is not considered a REC for the Subject Property.
1	Superfund Enterprise Management System (SEMS) site	The SEMS database maintains record of clean-up and enforcement activities taking place at superfund sites. Certified Towing Abandoned Drums located at 1135 East State Street, approximately 0.26 miles northeast, is listed as a Superfund program site no longer listed on the National Priority List (NPL). Due to the distance and sidegradient location with respect to the presumed shallow groundwater flow direction, this listing is not considered a REC for the Subject Property.
4	SEMS Archived Site Inventory (SEMSARCH) sites	The SEMSARCH database has replaced the CERCLIS reporting system in 2015. This database reflects sites that have been assessed and no further remediation is planned and is of no further interest under the Superfund program. Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, is an archived Superfund program site. In 1981, the City of Ontario inspectors observed a heavy accumulation of oil throughout the buildings. Oil USTs were also noted to be installed without proper permits. Soil samples collected in 1992 identified PCE to a depth of 30 feet below ground surface near a PCE sump and parts washing area. The highest concentration of PCE was 40,000 ppm. In 1999, soil vapor sampling was conducted, which elevated PCE and trichloroethylene (TCE). In 2000, a soil vapor extraction (SVE) system was installed. In 2007, a groundwater monitoring well was installed to 343 feet below ground surface. Groundwater samples from 2008 and 2009 detected PCE and TCE. Two additional groundwater monitoring wells were installed in 2011 along with vapor monitoring probes. Soil vapor and groundwater is monitored on a semiannual basis. A 2018 vapor report identifies the sub-slab sample collected from the southeast corner of the building, at the intersection of East California Street and South Bon View Avenue, identified PCE at 54,000 micrograms per meter cubed ($\mu g/m^3$). The PCE detected in the northeast corner of the building (closest to the Subject Property) was measured at 100 $\mu g/m^3$. Vapor impacts significantly increase further west on the site, closer to the former sump. Additionally, of 12 indoor air samples collected in 2018, ten samples detected PCE above the DTSC screening level. The site remains active with the last reported activity was a Work Plan for additional soil vapor extraction wells submitted to

Number of Sites	Regulatory Database	Comments
		the SWRCB on February 14, 2020. Based on the proximity to the Subject Property and lack of delineated vapor plume, this listing is considered a REC for the Subject Property. Based on the location and distance from the Subject Property, the remaining three listings are not considered RECs for the Subject Property.
5	ECHOR09 sites	The ECHOR09 database includes facilities regulated as Clean Air Act stationary sources, Clean Water Act direct dischargers, Resource Conservation and Recovery Act hazardous waste handlers, and Safe Drinking Water Act public water systems. A listing in the ECHOR09 database, by itself, is not indicative of a release or a material threat of release of petroleum products or potentially hazardous substances at the facility.
5	FRSCA sites	The FRSCA database includes pointers to other databases and facilities that identifies facilities, sites or places subject to environmental regulations or of environmental interest. A listing in the FRSCA database, by itself, is not indicative of a release or a material threat of release of petroleum products or potentially hazardous substances at the facility.
1	Integrated Compliance and Information System (ICIS) site	The ICIS database (formerly DOCKETS) tracks civil, judicial and administrative federal Environmental Protection Agency enforcement cases. Universal Core Inc. located at 1075 East California Inc., adjacent east, is listed for an administrative – informal violation issued on October 5, 2017. Due to the administrative type of violation, this listing is not considered a REC for the Subject Property.
3	ICIS National Pollution Discharge Elimination System (ICISNPDES) sites	The ICISNPDES identifies permits for point source dischargers of pollutants into waterways regulated by the EPA. Foam Zone Inc. located at 945 East California Street, adjacent south, and January Transport Inc. and Universal Core Inc. located at 1075 East California Street, adjacent east, are listed for non-potable water, minor discharger permits. The permits are listed as in compliance. Due to the lack of violations, these listings are not considered RECs for the Subject Property.

Number of Sites	Regulatory Database	Comments
1	Formerly Used Defense (FUDS) site	The FUDS inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdictions, as well as Munitions Response Areas. The Ontario Army Airfield, located approximately 0.50 miles east, is listed as approximately 875 acres of a military airport. Based on the lack of manufacturing activities associated with the airport, this listing is not considered a REC for the Subject Property.
3	Aboveground Storage Tanks (ABST) sites	The ABST database contains aboveground storage Tanks (ABSTs) registered with the California Environmental Protection Agency's (CalEPA) since 2008. ABST sites are not necessarily indicative of a release or a material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor conditions at the Subject Property.
5	HISTUST sites	The HISTUST database identifies historical USTs registered with the State Water Resources Control Board (SWRCB) between 1984 and 1987. HISTUST sites are not necessarily indicative of a release or a material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor conditions at the Subject Property. Leaking USTs are discussed in the LUST database below.
5	Statewide Environmental Evaluation and Planning System (SWEEPS) sites	The SWEEPS database identifies active and inactive USTs registered with the SWRCB. SWEEPS sites are not necessarily indicative of a release or a material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor conditions at the Subject Property. Leaking USTs are discussed in the LUST database below.
1	Underground Storage Tanks (USTCUPA) site	The USTCUPA database is maintained by the California SWRCB and contains listings of permitted USTs. USTCUPA sites are not necessarily indicative of a release or a material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor conditions at the Subject Property. Leaking USTs are discussed in the LUST database below.
5	CALSITES Database (CALSITES) sites	The CALSITES database is maintained by the California Department of Toxic Substances Control (DTSC) and contains information on Brownfield properties with confirmed or potential hazardous contamination through 2006.

Number of Sites	Regulatory Database	Comments
		Alger Manufacturing Co. is discussed in more detail in the SEMSARCH database above. Based on the distance and location from the Subject Property, the remaining four listings are not considered RECs for the Subject Property.
13	GeoTracker Cleanup (CLEANUPSITES) sites	The CLEANUPSITES database identifies sites with impacted groundwater or potential to impact groundwater as identified by the SWRCB. These include listings from other databases including leaking tanks, Department of Defense cleanup and others. The CLEANUPSITES listings are associated with LUST listings discussed below.
8	Leaking Underground Storage Tanks (LUST) sites	The LUST database is maintained by the SWRCB and identifies leaking USTs. The LUST listings are located over 0.14 miles from the Subject Property with soil as the listed potential affected media. The LUST listings have also been granted regulatory closure. Therefore, these listings are not considered RECs for the Subject Property.
2	Voluntary Cleanup Program (VCP) sites	The VCP database includes a list of Voluntary Cleanup Sites maintained by the California DTSC. Ontario Metal Recycling located at 717 South Taylor Avenue, approximately 0.12 miles west, is listed as a scrap metal site with soil impacts of benzene, halogenated solvents and polychlorinated biphenyl (PCBs). Soil removal was conducted in the 1980s. However, additional investigation starting in 2004 identified additional areas of soil contamination on site. In 2017, approximately 307-tons of lead impacted soil was excavated and disposed of at a certified landfill. On January 19, 2018, The DTSC granted No Further Action. Based on the impacts confined to the soil, this listing is not considered a REC for the Subject Property. Based on the distance and location from the Subject Property, the remaining listing is not considered a REC for the Subject Property.
12	ENVIROSTOR Cleanup (ENVIROSTOR) sites	The ENVIROSTOR database is maintained by the California DTSC track sites with confirmed or potential contamination where further investigation is necessary. The listings in the ENVIROSTOR database are associated with other cleanup databases discussed further in this table.

Number of Sites	Regulatory Database	Comments
1	ENVIROSTOR Permitted and Corrective Action (ENVIROSTORPCA) site	The ENVIROSTORPCA database is maintained by the California DTSC and contains information on hazardous waste sites. The ENVIROSTORPCA listing is located over 0.57 miles from the Subject Property. Based on the distance, this listing is not considered a REC for the Subject Property.
2	National Pollutant Discharge Elimination System Facilities (NPDES) sites	The NPDES database identifies active, historical and terminated NPDES permits maintained by the SWRCB. The NPDES listings are associated with the ICISNPDES listings discussed above.
2	HWTS sites	The DTSC maintains a list of hazardous waste manifests in the HWTS database. The HWTS listings are associated with RCRANGR09 sites discussed above.
1	Dry Cleaner Facilities (CLEANER) site	The DTSC maintains a list of dry cleaner facilities that are registered with the EPA. PW Repairs Inc. located at 1064 East California Street, adjacent east, is listed as an inactive cleaner site. The DTSC profile for the site identifies hazardous waste was produced in 2015 and 2018. Due to the minor generation of hazardous waste, this listing is not considered a REC for the Subject Property.
2	Spills, Leaks, Investigation & Cleanup Recovery Listing (SLIC) sites	The SLIC database is maintained by the California Regional Water Quality Control board (RWQCB) and contains listings of Spills, Leaks and Investigation Cleanup & Recovery sites. The two listings are associated with the Alger Manufacturing site discussed above.
11	Historical CORTESE List (HISTCORTESE) sites	The HISTCORTESE database identifies hazardous waste and substance release sites designated by the California SWRCB, Integrated Waste Board and the California DTSC. The HISTCORESE sites are associated with listings discussed above.
1	Listing of Certified Drop-off, Collection, and Community Service Programs (DROP) site	The DROP database identifies non-buyback sites under the California's Beverage Container Recycling Program. Based on the type of database, this listing on its own is not indicative of a release or material threat of release to the Subject Property. Therefore, this listing is not considered a REC for the Subject Property.

Number of Sites	Regulatory Database	Comments
1	Listing of Certified Processors (PROC) site	The PROC database identifies certified processors under the California's Beverage Container Recycling Program. Based on the type of database, this listing on its own is not indicative of a release or material threat of release to the Subject Property. Therefore, this listing is not considered a REC for the Subject Property.
1	No Further Action Determination (NFA) site	The NFA database is maintained by the DTSC and identifies sites where a Phase I ESA was completed and resulted in a no action required determination. Ontario Metal Recycling, located 0.12 miles west, is listed for a NFA letter. Based on the regulatory status, this listing is not considered a REC for the Subject Property.
5	Recycling Centers (SWRCY) sites	The SWRCY database is maintained by the California Department of Resources Recycling and Recovery and identifies certified recycling centers. Based on the type of database, these listings on their own are not indicative of a release or material threat of release to the Subject Property. Therefore, these listings are not considered RECs for the Subject Property.
5	Referred to Another Local or State Agency (REF) sites	The REF database is maintained by the California DTSC and contains listings of sites where contamination has not been confirmed and have been referred to another state or local regulatory agency. REF sites are associated with listings discussed in databases above.
55	SBFD sites	The SBFD database identifies permitted hazardous waste sites maintained by the San Bernardino County Fire Department. The SBFD sites are associated with RCRAGR09 or RCRANGR09 sites discussed above or based on the distance from the Subject Property are not considered RECs for the Subject Property.
1	San Bernardino County Medical Waste (SBMW) site	This is a list of medical waste facilities maintained by the County of San Bernardino Environmental Health. Listings in the SBMW database are not necessarily indicative of a release or a material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor conditions at the Subject Property. Therefore, these listings are not considered RECs for the Subject Property.

Three unmapped sites were identified in the GeoSearch Radius Report. Unmapped sites are those where address information is insufficient to allow the sites to be accurately mapped by GeoSearch. Stantec was able to ascertain that none of the unmapped sites were directly associated with or directly adjacent to the Subject Property. Based on location and/or database listings, these sites are not considered a threat to soil, groundwater or soil vapor conditions at the Subject Property, and, therefore, are not considered to represent RECs for the Subject Property.

Stantec reviewed the following State/County/City files to determine the potential significance of these database listings relative to the Subject Property:

- DTSC #36990004 for Ontario Metal Recycling
- SWRCB # SL208413896 for Alger Manufacturing Co.

5.2 ADDITIONAL RECORD SOURCES

Additional record sources may be consulted when, in the judgment of the Environmental Professional, such additional records are reasonably ascertainable, sufficiently useful, accurate and complete, and are generally obtained pursuant to good commercial and customary practice. Such records may include local brownfield lists, or other local lists similar to those federal, state and tribal lists. Such sources may include local health or environmental departments, fire departments, planning departments, building permit or inspection departments, and other local pollution, water quality or utility companies.

5.2.1 San Bernardino County Tax Information

San Bernardino County tax information was obtained and reviewed from the San Bernardino County tax assessor's website. Tax records provide publicly available information about the Subject Property. The tax records did not reveal additional information with respect to the environmental condition of the Subject Property.

The San Bernardino County tax information is included as **Appendix C**.

5.2.2 Local Building Records Review

Local building records were not obtained as other sources provided adequate information to building construction.

5.3 HISTORICAL USE INFORMATION

5.3.1 Aerial Photographs

Aerial photographs were reviewed from 1938, 1946, 1948, 1952, 1966, 1968, 1974, 1976, 1980, 1985, 1994, 2005, 2009, 2012 and 2018 The aerial photographs are presented in **Appendix D**.

Year	Description
1938-1946	The 1938 and 1946 aerial photographs show the Subject Property agricultural cropland. There appears to a slight overflow of outdoor material storage on the northwest corner of the Subject Property from the adjacent property. One structure is adjacent northwest, a road and agricultural cropland is adjacent west, agricultural cropland is adjacent south and east, and a road, railroad tracks and residential dwellings are adjacent north.
1948-1952	The 1948 and 1952 aerial photographs show one structure constructed on the western portion of the Subject Property. The remainder of the Subject Property no longer appears to be in agricultural use. Commercial/ industrial development begins south and west of the Subject Property.
1966-1994	The resolution is poor on the 1974, 1976, 1984aerial photographs and details cannot be determined. The remainder of the aerial photographs show four additional structures have been constructed on the Subject Property, totaling five structures. Outdoor material storage and parking is visible surrounding the buildings. Commercial/ industrial development increases surrounding the Subject Property.
2005-2018	The 2005 through 2018 aerial photographs show an additional structure constructed on the southern portion of the Subject Property, totaling six structures. The majority of residential dwellings north of the Subject Property have been razed and the lots remain vacant. Commercial/ industrial development increases east of the Subject Property.

5.3.2 City Directories

City directories were researched for the Subject Property and surrounding properties. The streets researched were South Bon View Avenue and Ontario Boulevard and directories were available for the years 1964, 1971, 1976, 1981, 1986, 1991, 1996, 2001, 2006 and 2011. The city directories are included as **Appendix E**. Listings for the addresses of the Subject Property (621 and 627 South Bon View Avenue) consist of the following:

Directory Year	Subject Property Listing
1964-1986	621: Bestile Manufacturing Corp.
1991	621: ABC Products Co.
1996	621: ABC Products Co. and Production Augers
2001	621: ABC Windows Co. and Production Augers Inc.
2006	621: ABC Windows Co.

Directory Year	Subject Property Listing
2011	621: AVR Express and ABC Windows 627: Fleet RV & Boat Storage

Other listings of interest in the vicinity of the Subject Property include:

- 402 South Bon View Avenue: Nicks Auto Body (1991); Franco Automotive (2006)
- 404 South Bon View Avenue: Nick's Auto Body (1996)
- 406 South Bon View Avenue: M & H Body Shop & Paint (2006)
- 408 South Bon View Avenue: Clean Machine (1986, 1991); A & I Auto Body Repair (1996); Jim's Auto Detail (2001); MBA Auto Body & Paint (2006)
- 409 South Bon View Avenue: Stokes Machine Co. (1981); Auto Repair Olivero (1991); Rafaell's Appliance Repair (1996, 2001); Taraumara Auto Repair (2006); Castro's Brake & Suspension (2011)
- 410 South Bon View Avenue: California Tool & Die Co. (1981, 1986); Jesse Auto Paint Shop (1996, 2001); Super Mario S Welding (2006)
- 420 South Bon View Avenue: Barr Manufacturing (1991); Gurrola's Paint Shop (1996)
- 424 South Bon View Avenue: ACRI Tech Plastics (1981-1991); Medina's Auto Body Shop (1996-2011)
- 614 South Bon View Avenue: Alum Alloy Co. (1964-1986)
- 724 and 728 South Bon View Avenue: Alger Manufacturing Co. (1964-2011)

5.3.3 Historical Maps

The Cucamonga, California and Ontario, California USGS 15-minute series topographic maps dated 1897, 1900, 1903 1954; and the Ontario, California, and Guasti, California USGS 7.5-minute series topographic maps dated 1933, 1942, 1954, 1967, 1973, 1981, 2009, 2012 and 2015 show the area of the Subject Property.

The 1897 through 1903 topographic maps show a road bisecting the central portion of the Subject Property, aligned north-south. There are no structures on the Subject Property or adjacent properties.

The 1933 and 1942 topographic maps no longer depict the road on the Subject Property. There are no structures or other items depicted on the Subject Property. A road and railroad tracks are adjacent north and roads are adjacent west and south.

The 1954 map shows one structure on the western portion of the Subject Property. Structures are adjacent west and south.

The 1967 map shows a total of five structures on the west-northwest portion of the Subject Property.

The 1973 and 1981 maps show an additional structure (total of six) constructed on the Subject Property.

The 2009 through 2015 topographic maps do not show structures, by design, just roadways and natural features.

The historical maps are included as **Appendix F**.

5.3.4 Fire Insurance Maps

A search was conducted to determine if fire insurance maps were available for the Subject Property. Fire insurance maps were created for insurance underwriters and often contain information regarding the uses of individual structures and the locations of fuel and/or chemical storage tanks that may have been on a particular property.

According to Historical Information Gatherers, Inc. (HIG), fire insurance map coverage is not available in the research materials searched for the Subject Property. HIG fire insurance map research documentation is included as **Appendix G**.

5.4 PREVIOUS ENVIRONMENTAL REPORTS

Previous environmental reports were not provided to Stantec during preparation of this Phase I ESA.

6.0 SUBJECT PROPERTY

6.1 SUBJECT PROPERTY OBSERVATIONS

Mr. J. Joseph Otte of Stantec conducted a site reconnaissance on December 17, 2021. Mr. Otte was accompanied at the time of the site reconnaissance by Ms. Deb O'Connell, an employee of the owners. Stantec staff visually observed the Subject Property to identify current land use, obtain evidence of past uses, and to identify surface characteristics of the Subject Property for the presence of RECs, CRECs or HRECs. Subject Property photographs are included in **Appendix I**.

The site reconnaissance consisted of visually observing the Subject Property for evidence of environmental impacts. Stantec staff observed (from the Subject Property boundaries) the adjoining properties for evidence of RECs, CRECs or HRECs, and for indications of past and current land use.

The Subject Property is an irregular-shaped parcel with a number of commercial/industrial buildings that have been repurposed for use for storage (see photographs 1-10). Access to the Subject Property is from South Bon View Avenue. Access is through several secured gates that can be opened remotely by facility employees or by access card or code provided to parties who store recreational vehicles or boats at the Subject Property (see photos 11 and 12). As referenced elsewhere, the buildings are generally used to store cars, trucks, boats and trailers (see photos 13-16).

Portions of the Subject Property appear to have been relatively recently re-paved (see photograph 17). There is an area at the southeast portion of the Subject Property that is unpaved and has been used for outdoor storage by a construction company (see photograph 18). This portion of the Subject Property was secured and could not be accessed at the time of the site reconnaissance.

6.1.1 Materials Management

Very few materials are managed at the Subject Property. No vehicle or equipment maintenance of vehicles or boats is allowed to be performed by tenants. Some minor maintenance materials were noted.

6.1.2 Solid and Hazardous Waste Management

Vendor-maintained dumpsters were noted at the facility to manage solid waste prior to regular collection (see photograph 19). Some residual equipment was noted at the Subject Property, including equipment historically used in glass or window manufacture (see photograph 20). Presumably, much of this material is solid waste or, possibly, may have some salvage value.

The RCRAGR09, HWTS and SBFD and listings identifies ABC Products as an active small quantity generator of hazardous waste. The HWTS specifically identifies off-specification, aged or surplus organics, organic solids, unspecified oil-containing waste, unspecified organic liquid mixture, unspecified aqueous solutions and an unspecified solvent mixture between 1993 and 2007.

The RCRANGR09 and HWTS databases identify Shamrock Paving as a former generator of unspecified oil-containing waste, latex waste, other organic solids and waste oil/ mixed oil in 2016 and 2017.

Additionally, the HWTS database identifies SC Fuels as a hazardous waste generator in 2015 for unspecified oil-containing waste and Fleet RV & Boat Storage as a hazardous waste generator in 2009 and 2010 for unspecified oil-containing waste and other organic solids. Based on these descriptions and lack of other more specific descriptions (and the lack of a RCRA permit), the waste stream likely is better described as used oil.

6.1.3 Aboveground and Underground Storage Tanks (ASTs/USTs)

The database report documents the following USTs as having been installed at the Subject Property:

Tank No.	Size	Contents	Status
1	4,000-gallon	Solvents	Active; installation date unknown
2	500-gallon	Premium gasoline	Active; installation date unknown
3	2,000-gallon	Solvents	Active; installed 1960

While these installation records exist, it is not clear if they are accurate. No record of tank removal is documented, however, the records concerning tank installation are old and may come from a database source that is no longer maintained.

6.1.4 Interior and Exterior Surface Observation

Stantec observed no evidence of soil subsidence, surface staining, pooled liquids, stressed vegetation, fill soil piles or debris piles on the majority of the Subject Property. The southeast portion of the Subject Property may have had some residual materials left behind by the prior site occupant, however, the site representative was unable to say for certain whether those materials had been abandoned or whether they were still to be removed by the prior tenant.

6.1.5 Pits, Sumps, Oil-Water Separators and Floor Drains

Stantec did not observe the presence of floor drains, pits, sumps or oil-water separators at the time of the site reconnaissance.

6.1.6 Wastewater and Stormwater Discharge Systems

The Subject Property is served by the municipal sanitary sewer system. Stormwater at the Subject Property drains off-site to the adjoining properties or street's storm sewer system. There is no on-Site stormwater management system.

6.1.7 Wells, Drywells and Lagoons

Stantec did not observe the presence of wells, drywells or lagoons at the time of the site reconnaissance.

6.1.8 Polychlorinated Biphenyls (PCBs) and Oil Containing Equipment

Stantec observed several pad-mounted transformers on the Subject Property at the time of the site reconnaissance (see photograph 21). Additionally, pole-mounted systems were noted along Soth Bon View (see photograph 22). There was no indication on any of the transformers indicating PCB content. The transformers did not show evidence of leaks or spills at the time of the site reconnaissance.

7.0 INTERVIEWS

7.1 INTERVIEW WITH SUBJECT PROPERTY REPRESENTATIVE

Date of Interview:	**December 17, 2021**
Name:	Ms. Deb O'Connell
Affiliation:	Site manager
Years familiar with Subject Property:	Approximately 10 years
Telephone Number:	Not provided

Ms. O'Connell was familiar with general site operations but had no information as to the historical uses of the Subject Property. She was knowledgeable about the tenant requirements and stated that no on-site maintenance of vehicles, RVs or boats is allowed. Ms. O'Connell was not certain if the lease for the outdoor storage portion at the southeast corner of the Subject Property had been terminated or if the tenant still had rights to use that portion of the Subject Property in the short term. She was unaware of any specific environmental concerns.

7.2 INTERVIEW WITH LOCAL GOVERNMENT OFFICIAL

Date of Interview:	**December 22, 2021**
Affiliation:	San Bernardino County Fire Protection District
Years familiar with Subject Property:	N/A
Telephone Number:	909-386-8401

Stantec contacted the San Bernardino County Fire Protection District regarding the hazardous waste listings for the Subject Property. The San Bernardino County Fire Protection District could only provide files in-person, free of charge for review or copies for a fee. Due to the format of files being not being in a readily available, reasonable ascertainable and practically reviewable format for review, the files were not obtained.

8.0 EVALUATION

8.1 DATA GAPS/DATA FAILURE

Historical information was reviewed back to 1897. Data gaps greater than five years exist from prior to 1897, from 1903 to 1933 and from 1954 to 1964.

The interviews, historical maps, city directories and aerial photographs provide generally good corroborating information that allows an understanding of historical Subject Property use. A research summary is included as **Appendix I**.

Stantec considers the evaluation of the presence of RECs, CRECs and HRECs to be complete, based on the lack of identified changes in land use during the periods affected by data gaps of more than five years. Therefore, we do not recommend additional investigation relative to the resolution of those data gaps, as we do not believe it would materially affect our conclusion.

8.2 IDENTIFIED FINDINGS

Stantec was authorized by Mr. Scott Haugen, Partner – Asset Management at WPT Capital Advisors, to conduct this Phase I ESA of the property and improvements located at 621 and 627 South Bon View Avenue, Ontario, San Bernardino County, California; the Subject Property. The Subject Property consists of 10.05 acres with five light industrial buildings, one office building, paved parking and outdoor material storage. Access to the Subject Property is from South Bon View Avenue.

According to reviewed sources of information, the Subject Property was developed with a portion of a road from at least 1897 to 1903. The Subject Property was fully agricultural cropland from at least 1933 to 1947 when the first building was constructed on the Subject Property. The remainder of the existing buildings were constructed in 1956 (two buildings), 1959 (two buildings and 2000 (one building). Past occupants of the Subject Property include ABC Windows Co. and Production Augers Inc., Bestile Manufacturing, AVR Express and Shamrock Paving. The existing tenant is Fleet RV & Boat Storage.

The Subject Property was in industrial use with multiple tenants from 1956 until some time prior to 2000. These industrial uses are not well-documented, but may have involved generation of waste solvents, based on the record concerning solvent tanks having been present since at least 1960. It should be noted that hazardous waste regulations did not become well-established until after the Resource Conservation and Recovery Act (RCRA) was passed in 1976, consequently, management of hazardous waste was unregulated for at least 16 years of industrial activity on the Subject Property.

The Subject Property was identified on the RCRAGR09, RCRANGR09, HWTS, SBFD, HISTUST, FRSCA and ECHOR09 regulatory databases in the GeoSearch Radius Report.

ABC Products is listed as an active small quantity generator of hazardous waste and Shamrock Paving is listed as a former generator of hazardous waste on the Subject Property. Additionally, SC Fuels and Fleet RV & Boat Storage have generated hazardous waste through the County.

The HISTUST database listing identifies a 4,000-gallon solvent UST (installation date unknown), a 2,000-gallon solvent UST (installed 1960) and a 500-gallon motor vehicle UST (installation date unknown) located on the Subject Property. The three tanks are identified as single-walled with no vaulting. No removal records are documented, however, it is possible the tanks have been removed and the documentation has not been located.

One site of regulatory interest was identified in the GeoSearch Radius Report that creates a potential issue with respect to the Subject Property. Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, has an active investigation for a PCE release that has resulted in soil vapor and groundwater plumes of PCE and TCE. Groundwater is located approximately 340 feet below ground surface; however, permanent groundwater monitoring wells have been installed at the Alger Manufacturing site to monitor the groundwater impacts on a semiannual basis. Sub-slab vapor samples are also monitored semiannually. While the plume appears to have the highest concentrations on the western portion of the site, it does not appear to be delineated east of the site. The investigation is ongoing.

Mapped sites of regulatory interest identified in the GeoSearch Radius Report are not indicative of a release or material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor at the Subject Property based on location, regulatory status or type of database.

8.3 OPINIONS

The following opinions are based on the above findings:

- The historical agricultural use of the Subject Property, with a portion of a road, from at least 1897 to 1947 is not considered a REC, CREC or HREC with the Subject Property because there is no indication of a release or a material threat of release of petroleum products or potentially hazardous substances at the Subject Property.

- The historical use of the Subject Property as an industrial facility from at least 1947 to the 2010s is considered a REC for the Subject Property based on the prolonged use of hazardous materials during a period of time when hazardous waste generation was not regulated. Solvents were used at the Subject Property beginning in 1960.

- The two solvent and one fuel oil USTs on the Subject Property are considered RECs based on the presence or historical presence of the tanks. The status of the tanks subsequent to their installation is undocumented.

- Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, is considered a REC based the potential for a vapor encroachment condition emanating from the identified off-site PCE and TCE plume.

- The remaining mapped sites of regulatory interest identified in the GeoSearch Radius Report are not considered a REC for the Subject Property as they are not indicative of a release or material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor at the Subject Property based on location, regulatory status or type of database.

8.4 CONCLUSIONS

Stantec performed a Phase I ESA in conformance with the scope and limitations of the ASTM Phase I Standard and in accordance with the AAI Rule (40 CFR Part 312) of the property and improvements of 621 and 627 South Bon View Avenue, Ontario, San Bernardino County, California. Exceptions to, or deletions from, the ASTM Phase I Standard are described in Section 2.3 and Section 2.4 of this report.

This ESA has identified the following RECs relative to the Subject Property:

- The historical use of the Subject Property as an industrial facility from at least 1947 to the 2010s is considered a REC for the Subject Property based on the likely use of hazardous materials at a time when such materials were not regulated.
- The unknown status of two solvent and one fuel oil underground storage tanks (USTs) on the Subject Property is considered a REC.
- The off-site Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, is considered a REC based on the identified tetrachloroethylene (PCE) and trichloroethylene (TCE) plume in both soil vapor and groundwater.

This ESA has identified no evidence of CRECs or HRECs in connection with the Subject Property.

9.0 NON-SCOPE CONSIDERATIONS

Assessments of potential environmental issues or conditions at the Subject Property that may relate to commercial real estate activities, but were not part of this scope of work (unless otherwise noted) include the following:

- Asbestos Survey
- Radon Gas Survey
- Lead-Based Paint Assessment
- Lead in Drinking Water Evaluation
- Wetland Delineation
- Regulatory Compliance Audit
- Cultural and Historic Resources Review
- Industrial Hygiene Review
- Health and Safety Assessment
- Ecological Resources Evaluation
- Endangered Species Survey
- Indoor Air Quality Evaluation
- Mold Investigation
- High Voltage Power Lines Assessment

This list is not intended to be all-inclusive and is not intended to imply significance of further investigation into these non-scope items.

10.0 REFERENCES

American Society for Testing and Materials, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-13,* West Conshohocken, PA, 2013.

Dibblee, T.W. and Minch, J.A. *Geologic Map of the San Dimas and Ontario Quadrangles, Los Angeles and San Bernardino Counties, California*. 2002.

Jennings, C.W. et. al. *Geologic Map of California*: California Geological Survey, Geologic Data Map 2. 2010.

Other materials referenced in this report are included in the Appendices.

11.0 QUALIFICATIONS

Company Experience

Stantec Consulting Services Inc. (Stantec) is a full-service environmental consulting firm that specializes in providing comprehensive environmental, regulatory, and safety guidance for our client's real estate asset protection, redevelopment and development needs. Collectively, Stantec offers our clients over 25 years of experience, depth of technical and regulatory knowledge and expertise in the following service areas:

- Environmental Assessment Services (Phase I and II)
- Site Preparation/Planning Services
- Integrated Site Remediation and Risk-based Response Actions
- Storage Tank Removal, Replacement and Compliance
- Stormwater Management Plans and Permitting (NPDES requirements, etc.)
- Wetlands Delineation and Mitigation
- Environmental Permitting and Compliance
- Asbestos and Lead Identification and Abatement
- Voluntary Cleanup Programs and Guidance on Public Funding Mechanisms for Brownfield Redevelopment
- Indoor Air Quality Assessment
- Facility Layout Review for Environmental and Safety Efficiency
- Environmental Impact Assessments (EIA) and Statements (EIS), Environmental Assessment Worksheets (EAW), Alternative Urban Areawide Review (AUAR)
- Traffic Engineering
- Pollution Prevention Plans
- Greenhouse Gas Services

Stantec strives to provide our clients with strategic, high quality and cost-effective services that are customized to their specific needs. For more extensive information on the services we provide please refer to www.Stantec.com.

Individual Bios

Alison Creeger

Ms. Creeger is an Environmental Scientist at Stantec. She has environmental experience working in due diligence, land restoration, tree inspection, and water conservation. Ms. Creeger focuses on conducting Phase I and Phase II Environmental Site Assessments. She has conducted on-site contractor oversight, construction excavation observation, underground storage tank removals, groundwater monitoring, soil and groundwater remediation, and final report generation. She holds a Bachelor of Science in Environmental Restoration Science and a Bachelor of Science in Environmental Studies from the University of Nebraska-Lincoln.

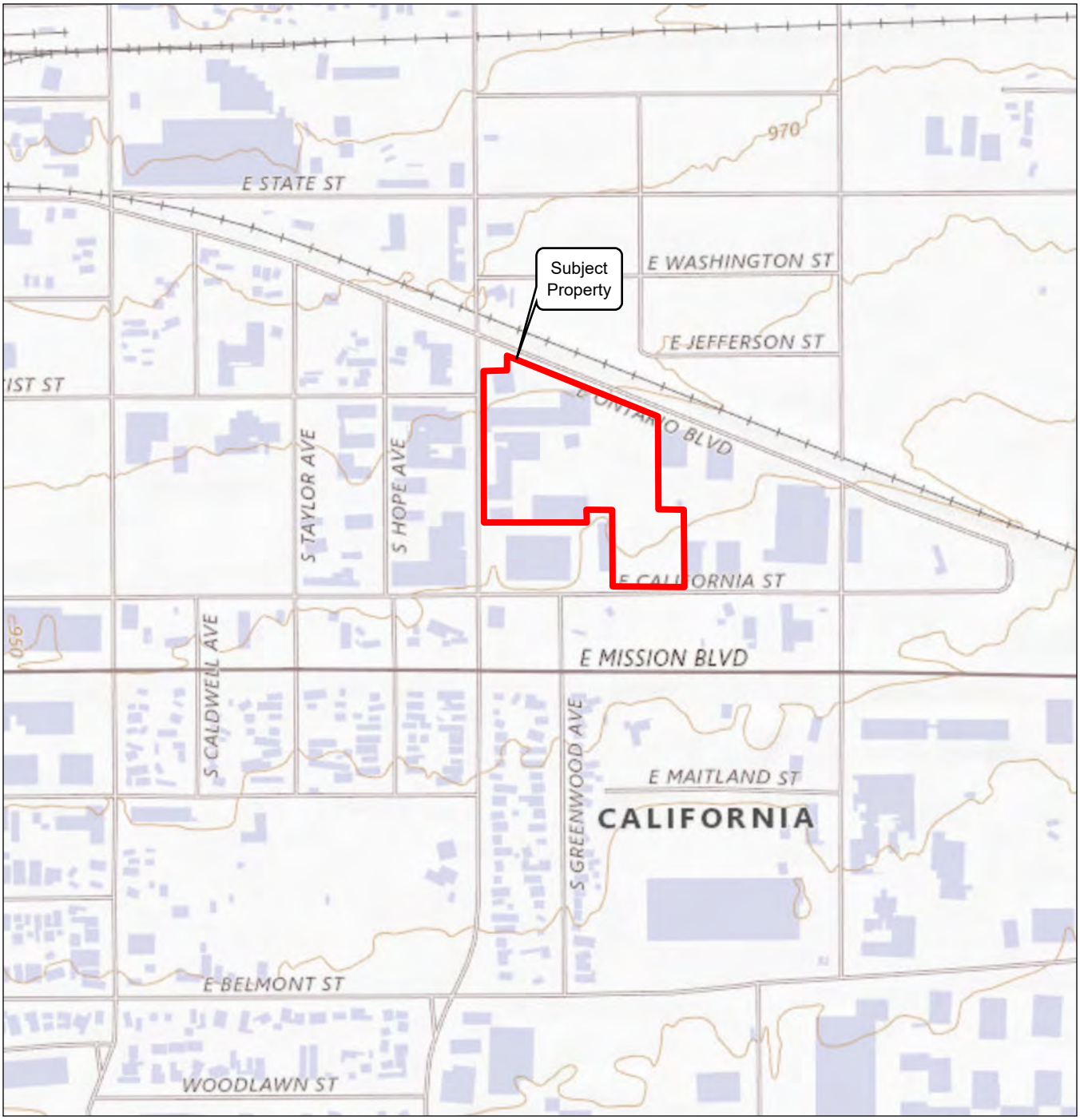
J. Joseph Otte

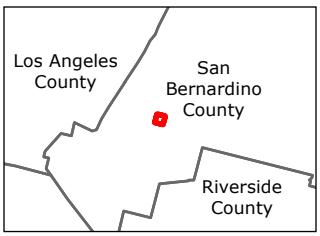
Mr. Joseph Otte has been consulting in the area of environmental real estate transaction support since 1998. For seven years prior to that, Mr. Otte's position was as project manager and supervisor of the Voluntary Investigation and Cleanup (VIC) Program of the Minnesota Pollution Control Agency (MPCA). He holds a Bachelor of Arts in geology from the College of St. Thomas and a Master of Business Communication from the University of St. Thomas, St. Paul, Minnesota.

FIGURES

1. Site Location Map

2. Site Detail Map





Legend

Approximate Subject Boundry

0 500 1,000 Feet

N

(At original document size of 8.5x11)
1:7,200

Notes

1. Coordinate System: NAD 1983 (2011) StatePlane California Zone V FIPS 405 (US Feet)
2. Data Sources: USGS, San Bernardino County
3. Background: USGS 7.5-minute Quadrangle

Stantec

Project Location
T29N, R7W, S29
City of Ontario, San Bernardino Co., CA

Prepared by FT on 2021-12-06
TR by XXX on 2020-XX-XX
IR by XXX on 2020-XX-XX

Client/Project 227703324
WPT Capital Advisors, LLC
627 South Bon View Avenue, Ontario, California 91761
Phase I

Figure No.
1

Title
Site Location Map

V:\227\active\227703324\03_data\gis_cad\gis\pro\WPT Capital Advisors (CA)\WPT Capital Advisors (CA).aprx Revised: 2021-12-06 By: alstone

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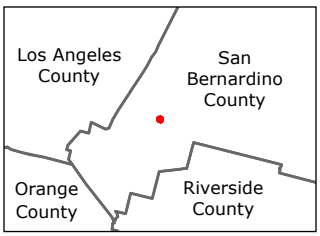

Legend

Approximate Subject Boundry

0 100 200 Feet

(At original document size of 8.5x11)
1:2,400

N

Stantec

Notes
1. Coordinate System: NAD 1983 (2011) StatePlane California Zone V FIPS 405 (US Feet)
2. Data Sources: USGS, San Bernardino County
3. Background: USGS 7.5-minute Quadrangle

Project Location
T116N, R23W, S34
City of Chaska, Carver Co., MN

Prepared by AS on 2021-12-06
TR by XXX on 2020-XX-XX
IR by XXX on 2020-XX-XX

Client/Project 227703198
WPT Capital Advisors, LLC
627 South Bon View Avenue, Ontario, California 91761
Phase I

Figure No.
2

Title
Site Detail Map

V:\227\active\227703324\03_data\gis_cad\gis\pro\WPT Capital Advisors (CA)\WPT Capital Advisors (CA).aprx Revised: 2021-12-06 By: alstone

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APPENDIX A

User Questionnaire

ATSM E 1527-13 USER QUESTIONNAIRE

Property Name: 627 BON VIEW
Property Location: ONTARIO, CA.

To meet the all-appropriate inquiry (AAI) standard, the User (people or entities relying on the Phase I) must provide the following information, if they are aware of it. Your response should represent the current collective knowledge of the User.

- *Environmental cleanup liens (40 CFR 312.25)*

Did a search of recorded land title records identify any environmental liens filed or recorded against the property?	NO

- *Activity and land use limitations (AULs) (40 CFR 312.26)*

Did a search of recorded land title records identify any activity or use limitations, such as land use restrictions, or engineering or institutional controls that are in place at the property or have been filed or recorded against the property?	NO

- *Specialized knowledge or experience (40 CFR 312.28)*

Do you have any special knowledge or experience related to the property or nearby properties?	NO

- *Relationship of the purchase price to the fair market value of the property (40 CFR 312.29)*

Does the purchase price for the property reasonably reflect its fair market value property?	YES
If not, is there a lower purchase price because the property is or may be contaminated?	

- *Commonly known information about the property (40 CFR 312.30)*

Are you aware of information about the property that would help identify releases or threatened releases:	
Do you know the past uses of the property?	NO
Do you know specific chemicals that are or were present at the property?	NO
Do you know of any spills occurring at the property?	NO
Do you know of any environmental cleanups occurring at the property?	NO

- *Obvious or likely contamination at the property (40 CFR 312.31)*

Based on your knowledge and experience, are there any signs of contamination at the property?	NO.

I have completed the above questionnaire to the best of my knowledge.

Signature: _____ Date: 1-27-22.

Print Name: SCOTT HANSEN

Company: WPT CAPITAL ADVISORS

APPENDIX B

Envirosite Database Report

GeoSearch
On time. On target. In touch.™

Radius Report

Target Property:

Ontario CA
627 South Bon View Avenue
Ontario, San Bernardino County, California

Prepared For:

Historical Information Gatherers

Order #: 172044
Job #: 430311
Project #: 2058115
Date: 12/09/2021

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Unlocatable Report . . . . . See Attachment

Zip Report . . . . . See Attachment

Disclaimer

This report was designed by GeoSearch to meet or exceed the records search requirements of the All Appropriate Inquiries Rule (40 CFR ï¿½312.26) and the current version of the ASTM International E1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process or, if applicable, the custom requirements requested by the entity that ordered this report. The records and databases of records used to compile this report were collected from various federal,state and local governmental entities. It is the goal of GeoSearch to meet or exceed the 40 CFR ï¿½312.26 and E1527 requirements for updating records by using the best available technology. GeoSearch contacts the appropriate governmental entities on a recurring basis. Depending on the frequency with which a record source or database of records is updated by the governmental entity, the data used to prepare this report may be updated monthly, quarterly, semi-annually, or annually.

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Target Property Summary

Target Property Information

Ontario CA
627 South Bon View Avenue
Ontario, California

Coordinates
Area centroid (-117.63530, 34.0571532)
954 feet above sea level

USGS Quadrangle
Ontario, CA

Geographic Coverage Information

County/Parish: San Bernardino (CA)
ZipCode(s):
Ontario CA: 91761, 91762, 91764

Database Summary

FEDERAL LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNSCA	0	0	TP/AP
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	EC	0	0	TP/AP
LAND USE CONTROL INFORMATION SYSTEM	LUCIS	0	0	TP/AP
RCRA SITES WITH CONTROLS	RCRASC	0	0	TP/AP
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR	RCRAGR09	6	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - NON-GENERATOR	RCRANGR09	26	0	0.1250
BROWNFIELDS MANAGEMENT SYSTEM	BF	0	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	NLRRCRAT	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - NON-CORRACTS TREATMENT, STORAGE & DISPOSAL FACILITIES	RCRAT	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM	SEMS	1	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM ARCHIVED SITE INVENTORY	SEMSARCH	4	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	DNPL	0	0	1.0000
NATIONAL PRIORITIES LIST	NPL	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	NLRRCRAC	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	PNPL	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	RCRAC	1	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - SUBJECT TO CORRECTIVE ACTION FACILITIES	RCRASUBC	0	0	1.0000

SUB-TOTAL		38	0	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	AIRSAFS	0	0	TP/AP
BIENNIAL REPORTING SYSTEM	BRS	0	0	TP/AP
CERCLIS LIENS	SFLIENS	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	CDL	0	0	TP/AP
EPA DOCKET DATA	DOCKETS	0	0	TP/AP
ENFORCEMENT AND COMPLIANCE HISTORY INFORMATION	ECHOR09	7	0	TP/AP
FACILITY REGISTRY SYSTEM	FRSCA	8	0	TP/AP

Database Summary

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	HMIRSR09	0	0	TP/AP
HAZARDOUS WASTE COMPLIANCE DOCKET FACILITIES	HWCD	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	ICIS	1	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	ICISNPDES	3	0	TP/AP
MATERIAL LICENSING TRACKING SYSTEM	MLTS	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	NPDESR09	0	0	TP/AP
PCB ACTIVITY DATABASE SYSTEM	PADS	0	0	TP/AP
PERMIT COMPLIANCE SYSTEM	PCSR09	0	0	TP/AP
SEMS LIEN ON PROPERTY	SEMSLIENS	0	0	TP/AP
SSEHRI PFAS CONTAMINATION SITES	SSEHRIPFAS	0	0	TP/AP
SECTION SEVEN TRACKING SYSTEM	SSTS	0	0	TP/AP
TOXIC SUBSTANCE CONTROL ACT INVENTORY	TSCA	0	0	TP/AP
TOXICS RELEASE INVENTORY	TRI	0	0	TP/AP
ALTERNATIVE FUELING STATIONS	ALTFUELS	0	0	0.2500
FEMA OWNED STORAGE TANKS	FEMAUST	0	0	0.2500
HISTORICAL GAS STATIONS	HISTPST	0	0	0.2500
INTEGRATED COMPLIANCE INFORMATION SYSTEM DRYCLEANERS	ICISCLEANERS	0	0	0.2500
MINE SAFETY AND HEALTH ADMINISTRATION MASTER INDEX FILE	MSHA	0	0	0.2500
MINERAL RESOURCE DATA SYSTEM	MRDS	0	0	0.2500
OPEN DUMP INVENTORY	ODI	0	0	0.5000
SURFACE MINING CONTROL AND RECLAMATION ACT SITES	SMCRA	0	0	0.5000
URANIUM MILL TAILINGS RADIATION CONTROL ACT SITES	USUMTRCA	0	0	0.5000
DEPARTMENT OF DEFENSE SITES	DOD	0	0	1.0000
FORMER MILITARY NIKE MISSILE SITES	NMS	0	0	1.0000
FORMERLY USED DEFENSE SITES	FUDS	1	0	1.0000
FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM	FUSRAP	0	0	1.0000
RECORD OF DECISION SYSTEM	RODS	0	0	1.0000

SUB-TOTAL		20	0	

Database Summary

STATE (CA) LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
DTSC DEED RESTRICTIONS	DTSCDR	0	0	TP/AP
ABOVE GROUND STORAGE TANKS	ABST	3	0	0.2500
ABOVEGROUND STORAGE TANKS PRIOR TO JANUARY 2008	AST2007	0	1	0.2500
HISTORICAL UNDERGROUND STORAGE TANKS	HISTUST	6	0	0.2500
STATEWIDE ENVIRONMENTAL EVALUATION AND PLANNING SYSTEM	SWEEPS	5	0	0.2500
UNDERGROUND STORAGE TANKS	USTCUPA	1	0	0.2500
BROWNFIELD SITES	BF	0	0	0.5000
CALSITES DATABASE	CALSITES	5	0	0.5000
GEOTRACKER CLEANUP SITES	CLEANUPSITES	13	1	0.5000
LEAKING UNDERGROUND STORAGE TANKS	LUST	8	0	0.5000
SOLID WASTE INFORMATION SYSTEM SITES	SWIS	0	0	0.5000
VOLUNTARY CLEANUP PROGRAM	VCP	2	0	0.5000
ENVIROSTOR CLEANUP SITES	ENVIROSTOR	12	0	1.0000
ENVIROSTOR PERMITTED AND CORRECTIVE ACTION SITES	ENVIROSTORPCA	1	0	1.0000

SUB-TOTAL		56	2	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
CALIFORNIA HAZARDOUS MATERIAL INCIDENT REPORT SYSTEM	CHMIRS	0	1	TP/AP
CLANDESTINE DRUG LABS	CDL	0	0	TP/AP
EMISSIONS INVENTORY DATA	EMI	0	0	TP/AP
HAZARDOUS WASTE TANNER SUMMARY	HWTS	6	0	TP/AP
LAND DISPOSAL SITES	LDS	0	0	TP/AP
MILITARY CLEANUP SITES	MCS	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM FACILITIES	NPDES	2	0	TP/AP
PFAS SAMPLING LOCATION SITES	PFAS	0	0	TP/AP
RECORDED ENVIRONMENTAL CLEANUP LIENS	LIENS	0	0	TP/AP
REGISTERED WASTE TIRE HAULERS	WTHAULERS	0	0	TP/AP
CALIFORNIA MEDICAL WASTE MANAGEMENT PROGRAM FACILITY LIST	MWMP	0	0	0.2500
DTSC REGISTERED HAZARDOUS WASTE TRANSPORTERS	DTSCHWT	0	0	0.2500

Database Summary

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
DRY CLEANER FACILITIES	CLEANER	1	0	0.2500
MINES LISTING	MINES	0	0	0.2500
SPILLS, LEAKS, INVESTIGATION & CLEANUP RECOVERY LISTING	SLIC	2	0	0.2500
CORTESE LIST	CORTESE	0	0	0.5000
EXPEDITED REMOVAL ACTION PROGRAM SITES	ERAP	0	0	0.5000
HISTORICAL CORTESE LIST	HISTCORTESE	11	0	0.5000
LISTING OF CERTIFIED DROPOFF, COLLECTION, AND COMMUNITY SERVICE PROGRAMS	DROP	1	0	0.5000
LISTING OF CERTIFIED PROCESSORS	PROC	1	0	0.5000
NO FURTHER ACTION DETERMINATION	NFA	1	0	0.5000
RECYCLING CENTERS	SWRCY	5	0	0.5000
REFERRED TO ANOTHER LOCAL OR STATE AGENCY	REF	5	0	0.5000
SITES NEEDING FURTHER EVALUATION	NFE	0	0	0.5000
WASTE MANAGEMENT UNIT DATABASE	WMUDS	0	0	0.5000
TOXIC PITS CLEANUP ACT SITES	TOXPITS	0	0	1.0000

SUB-TOTAL		35	1	

Database Summary

LOCAL LISTING

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
SAN BERNARDINO COUNTY HAZARDOUS SITE LISTING	SBFD	56	0	0.2500
SAN BERNARDINO COUNTY MEDICAL WASTE FACILITY LIST	SBMW	1	0	0.2500
SUB-TOTAL		57	0	

Database Summary

TRIBAL LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	USTR09	0	0	0.2500
ILLEGAL DUMP SITES ON THE TORRES MARTINEZ RESERVATION	TORRESDUMPSITES	0	0	0.5000
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	LUSTR09	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	ODINDIAN	0	0	0.5000
SUB-TOTAL		0	0	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
INDIAN RESERVATIONS	INDIANRES	0	0	1.0000
SUB-TOTAL		0	0	

TOTAL		206	3	

Database Radius Summary

FEDERAL LISTING

*Standard environmental records are displayed in **bold**.*

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
AIRSAFS	0.0200	0	NS	NS	NS	NS	NS	0
BRS	0.0200	0	NS	NS	NS	NS	NS	0
CDL	0.0200	0	NS	NS	NS	NS	NS	0
DOCKETS	0.0200	0	NS	NS	NS	NS	NS	0
EC	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
ECHOR09	0.0200	7	NS	NS	NS	NS	NS	7
ERNSCA	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
FRSCA	0.0200	8	NS	NS	NS	NS	NS	8
HMIRSR09	0.0200	0	NS	NS	NS	NS	NS	0
HWCD	0.0200	0	NS	NS	NS	NS	NS	0
ICIS	0.0200	1	NS	NS	NS	NS	NS	1
ICISNPDES	0.0200	3	NS	NS	NS	NS	NS	3
LUCIS	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
MLTS	0.0200	0	NS	NS	NS	NS	NS	0
NPDESR09	0.0200	0	NS	NS	NS	NS	NS	0
PADS	0.0200	0	NS	NS	NS	NS	NS	0
PCSR09	0.0200	0	NS	NS	NS	NS	NS	0
RCRASC	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
SEMSLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SFLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SSEHRIPFAS	0.0200	0	NS	NS	NS	NS	NS	0
SSTS	0.0200	0	NS	NS	NS	NS	NS	0
TRI	0.0200	0	NS	NS	NS	NS	NS	0
TSCA	0.0200	0	NS	NS	NS	NS	NS	0
RCRAGR09	**0.1250**	**1**	**5**	**NS**	**NS**	**NS**	**NS**	**6**
RCRANGR09	**0.1250**	**4**	**22**	**NS**	**NS**	**NS**	**NS**	**26**
ALTFUELS	0.2500	0	0	0	NS	NS	NS	0
FEMAUST	0.2500	0	0	0	NS	NS	NS	0
HISTPST	0.2500	0	0	0	NS	NS	NS	0
ICISCLEANERS	0.2500	0	0	0	NS	NS	NS	0
MRDS	0.2500	0	0	0	NS	NS	NS	0
MSHA	0.2500	0	0	0	NS	NS	NS	0
BF	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
NLRRCRAT	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
ODI	0.5000	0	0	0	0	NS	NS	0

Database Radius Summary

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
RCRAT	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
SEMS	**0.5000**	**0**	**0**	**0**	**1**	**NS**	**NS**	**1**
SEMSARCH	**0.5000**	**0**	**2**	**1**	**1**	**NS**	**NS**	**4**
SMCRA	0.5000	0	0	0	0	NS	NS	0
USUMTRCA	0.5000	0	0	0	0	NS	NS	0
DNPL	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
DOD	1.0000	0	0	0	0	0	NS	0
FUDS	1.0000	0	0	0	0	1	NS	1
FUSRAP	1.0000	0	0	0	0	0	NS	0
NLRRCRAC	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
NMS	1.0000	0	0	0	0	0	NS	0
NPL	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
PNPL	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
RCRAC	**1.0000**	**0**	**0**	**0**	**0**	**1**	**NS**	**1**
RCRASUBC	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
RODS	1.0000	0	0	0	0	0	NS	0

SUB-TOTAL		24	29	1	2	2	0	58

Database Radius Summary

STATE (CA) LISTING

*Standard environmental records are displayed in **bold**.*

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
CDL	0.0200	0	NS	NS	NS	NS	NS	0
CHMIRS	0.0200	0	NS	NS	NS	NS	NS	0
DTSCDR	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
EMI	0.0200	0	NS	NS	NS	NS	NS	0
HWTS	0.0200	6	NS	NS	NS	NS	NS	6
LDS	0.0200	0	NS	NS	NS	NS	NS	0
LIENS	0.0200	0	NS	NS	NS	NS	NS	0
MCS	0.0200	0	NS	NS	NS	NS	NS	0
NPDES	0.0200	2	NS	NS	NS	NS	NS	2
PFAS	0.0200	0	NS	NS	NS	NS	NS	0
WTHAULERS	0.0200	0	NS	NS	NS	NS	NS	0
ABST	**0.2500**	**0**	**2**	**1**	**NS**	**NS**	**NS**	**3**
AST2007	**0.2500**	**0**	**0**	**0**	**NS**	**NS**	**NS**	**0**
CLEANER	0.2500	0	1	0	NS	NS	NS	1
DTSCHWT	0.2500	0	0	0	NS	NS	NS	0
HISTUST	**0.2500**	**1**	**3**	**2**	**NS**	**NS**	**NS**	**6**
MINES	0.2500	0	0	0	NS	NS	NS	0
MWMP	0.2500	0	0	0	NS	NS	NS	0
SLIC	0.2500	0	2	0	NS	NS	NS	2
SWEEPS	**0.2500**	**0**	**3**	**2**	**NS**	**NS**	**NS**	**5**
USTCUPA	**0.2500**	**0**	**0**	**1**	**NS**	**NS**	**NS**	**1**
BF	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
CALSITES	**0.5000**	**0**	**2**	**1**	**2**	**NS**	**NS**	**5**
CLEANUPSITES	**0.5000**	**0**	**1**	**1**	**11**	**NS**	**NS**	**13**
CORTESE	0.5000	0	0	0	0	NS	NS	0
DROP	0.5000	0	0	0	1	NS	NS	1
ERAP	0.5000	0	0	0	0	NS	NS	0
HISTCORTESE	0.5000	0	2	1	8	NS	NS	11
LUST	**0.5000**	**0**	**0**	**1**	**7**	**NS**	**NS**	**8**
NFA	0.5000	0	1	0	0	NS	NS	1
NFE	0.5000	0	0	0	0	NS	NS	0
PROC	0.5000	0	0	0	1	NS	NS	1
REF	0.5000	0	2	1	2	NS	NS	5
SWIS	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
SWRCY	0.5000	0	1	1	3	NS	NS	5

Database Radius Summary

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
VCP	**0.5000**	**0**	**1**	**0**	**1**	**NS**	**NS**	**2**
WMUDS	0.5000	0	0	0	0	NS	NS	0
ENVIROSTOR	**1.0000**	**0**	**4**	**1**	**3**	**4**	**NS**	**12**
ENVIROSTORPCA	**1.0000**	**0**	**0**	**0**	**0**	**1**	**NS**	**1**
TOXPITS	1.0000	0	0	0	0	0	NS	0
SUB-TOTAL		9	25	13	39	5	0	91

Database Radius Summary

LOCAL LISTING

*Standard environmental records are displayed in **bold**.*

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
SBFD	0.2500	4	26	26	NS	NS	NS	56
SBMW	0.2500	0	1	0	NS	NS	NS	1
SUB-TOTAL		4	27	26	0	0	0	57

Database Radius Summary

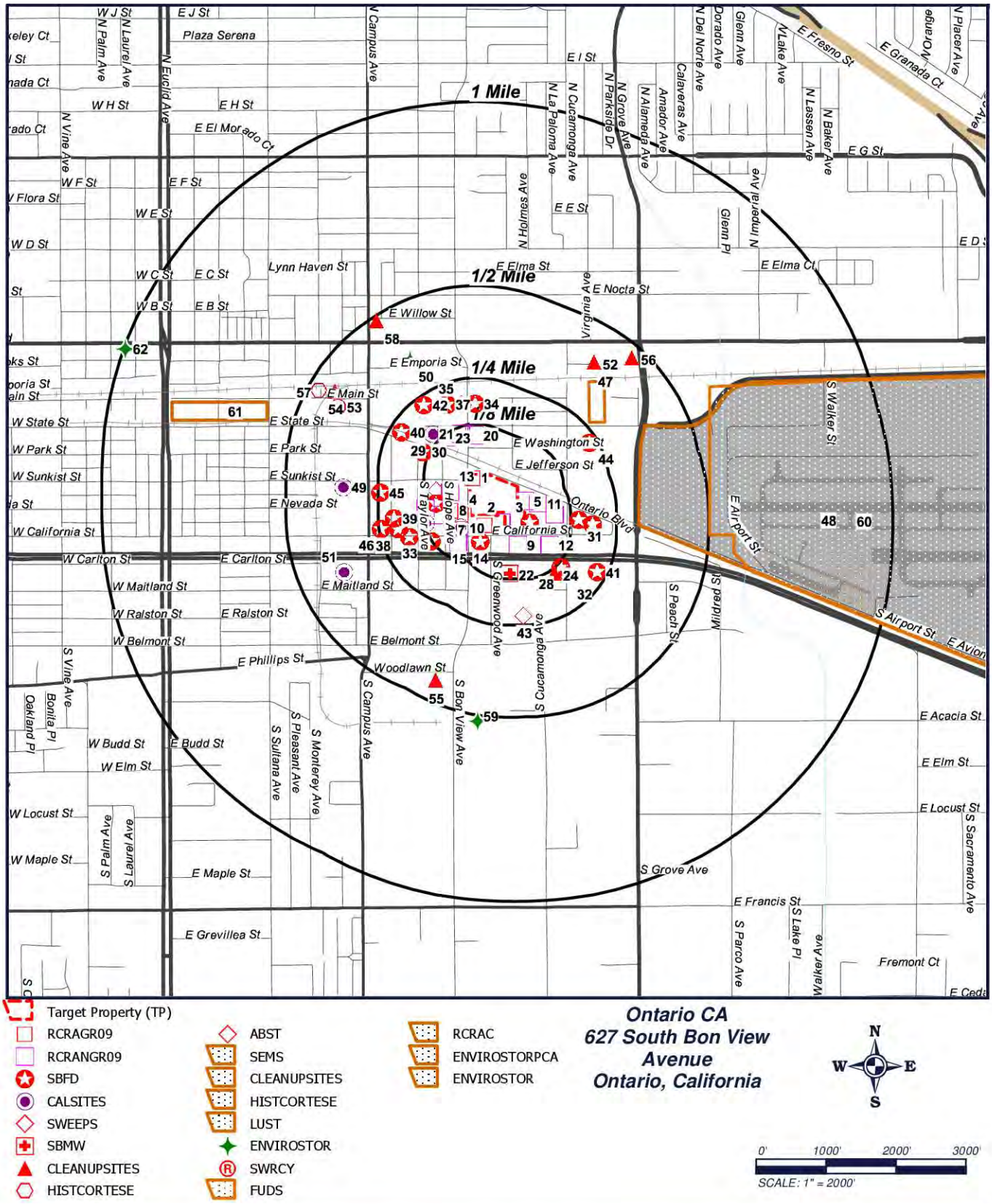
TRIBAL LISTING

*Standard environmental records are displayed in **bold**.*

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
USTR09	**0.2500**	**0**	**0**	**0**	**NS**	**NS**	**NS**	**0**
LUSTR09	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
ODINDIAN	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
TORRESDUMPSITES	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
INDIANRES	1.0000	0	0	0	0	0	NS	0
SUB-TOTAL		0	0	0	0	0	0	0
TOTAL		37	81	40	41	7	0	206

NOTES:
NS = NOT SEARCHED
TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

Radius Map 1


1 Mile
1/2 Mile
1/4 Mile
1/8 Mile
E J St
Plaza Serena
W H St
E H St
E El Morado Ct
W F St
E F St
W E St
W D St
W C St
E C St
Lynn Haven St
W B St
E B St
E I St
E Elma St
E Nocta St
E Willow St
E Emporia St
E Main St
W State St
E State St
W Park St
E Park St
W Sunkist St
E Sunkist St
E Nevada St
W California St
E California St
W Carlton St
E Carlton St
W Maitland St
E Maitland St
W Ralston St
E Ralston St
W Belmont St
E Belmont St
E Phillips St
Woodlawn St
E Washington St
E Jefferson St
Ontario Blvd
E Air port St
S Air port St
E Avion
S Walker St
W Budd St
E Budd St
W Elm St
W Locust St
W Maple St
E Maple St
E Grevillea St
S Grove Ave
E Francis St
Fremont Ct
E Acacia St
E Elm St
E Locust St
S Sacramento Ave
N Vine Ave
N Euclid Ave
N Campus Ave
N La Paloma Ave
N Cucamonga Ave
N Parkside Dr
N Grove Ave
N Alameda Ave
Amador Ave
Calaveras Ave
N Del Norte Ave
Dorado Ave
Glenn Ave
N Lake Ave
N Lassen Ave
N Baker Ave
N Holmes Ave
Glenn Pl
N Imperial Ave
Virginia Ave
S Hope Ave
S Taylor Ave
S Greenwood Ave
S Cucamonga Ave
S Peach St
Milliard St
S Bon View Ave
S Campus Ave
S Vine Ave
Oakland Pl
Bonita Pl
S Sultana Ave
S Pleasant Ave
S Monterey Ave
S Palm Ave
S Laurel Ave
S Parco Ave
S Lake Pl
Walker Ave
61
62
58
57
54
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29
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44
13
1
49
45
4
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3
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11
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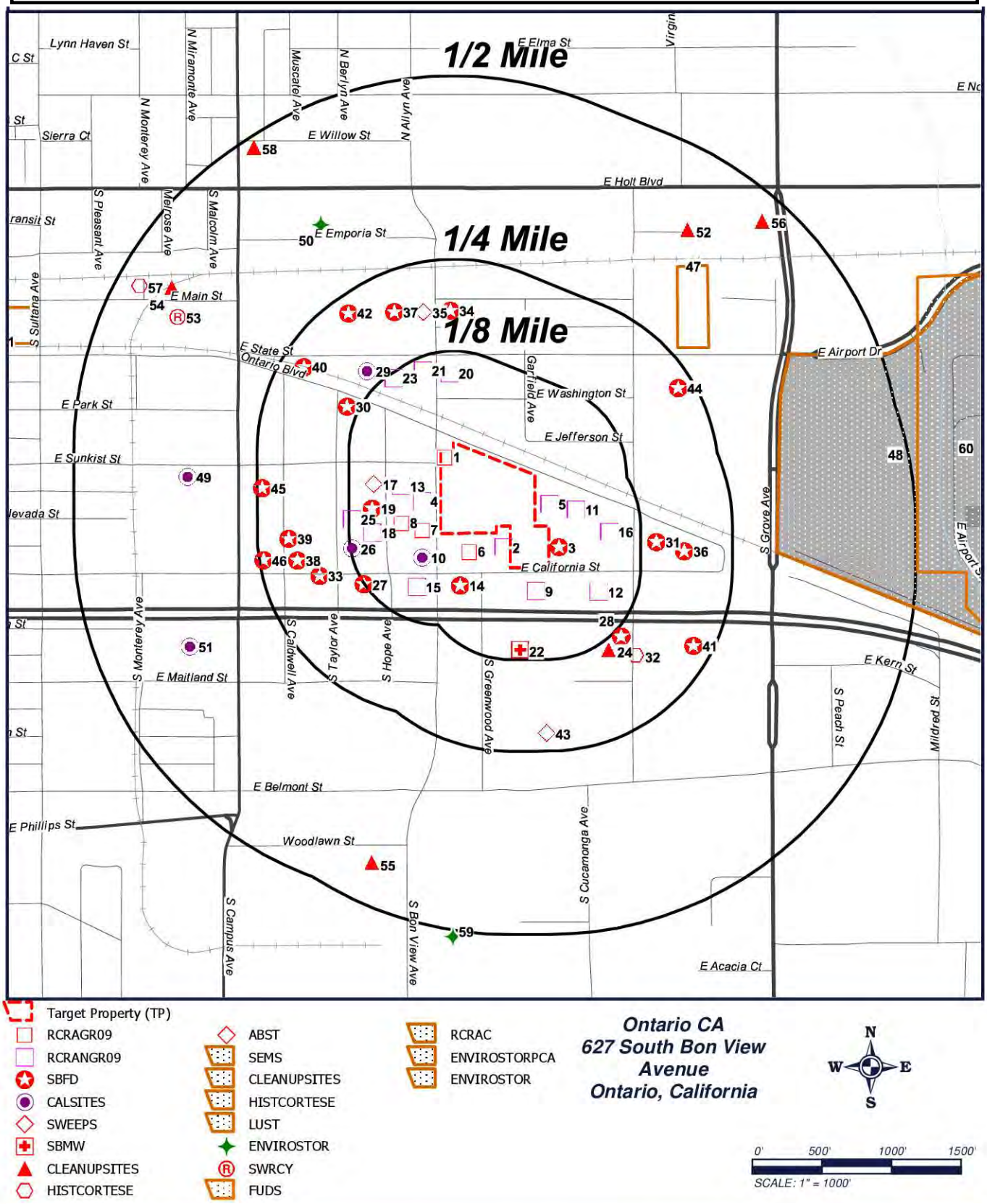
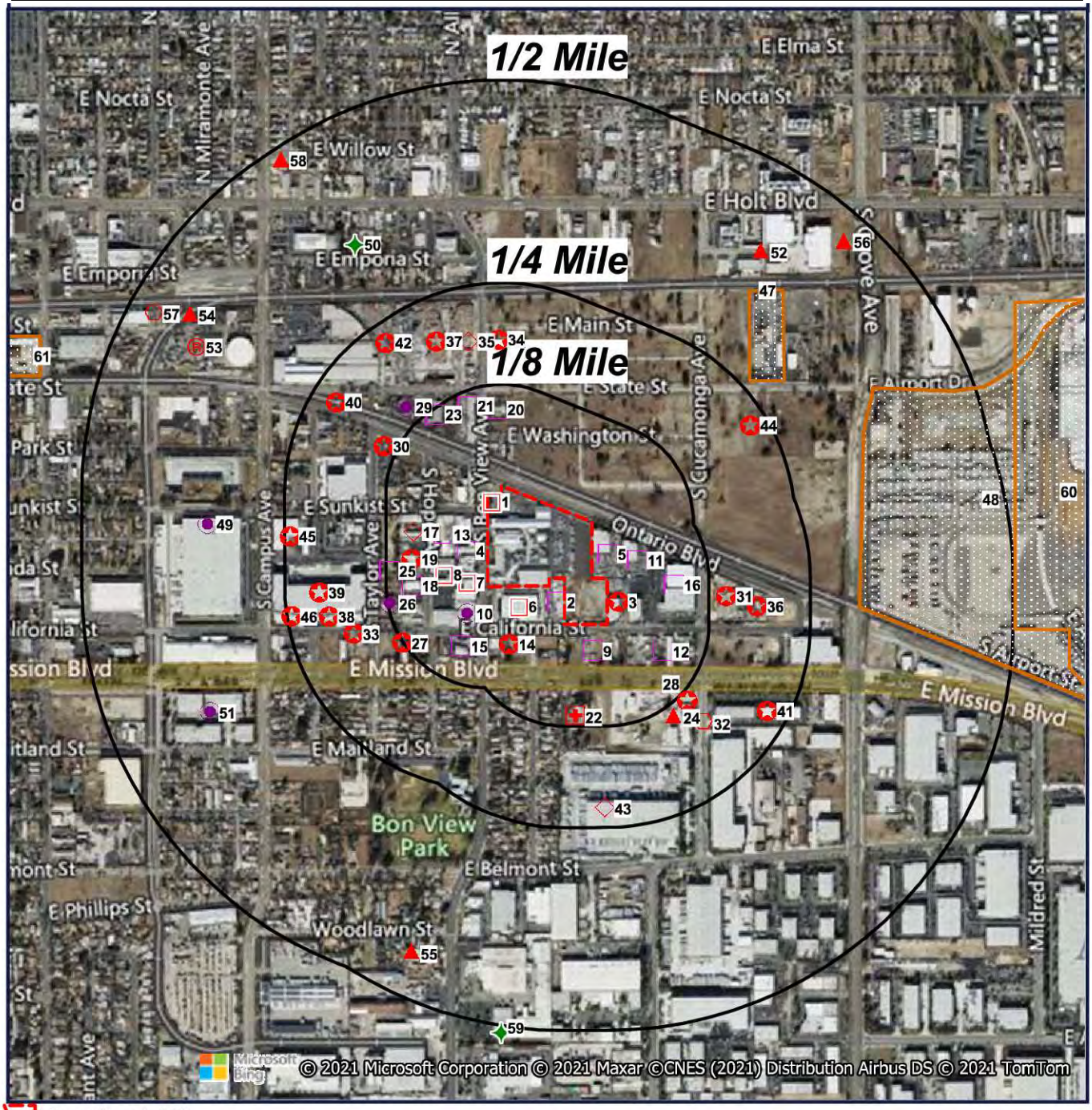
39
7
10
31
46
38
33
15
14
9
12
51
22
24
28
41
32
43
55
59
52
56
47
48
60
Target Property (TP)
RCRAGR09
RCRANGR09
SBFD
CALSITES
SWEEPS
SBMW
CLEANUPSITES
HISTCORTESE
ABST
SEMS
CLEANUPSITES
HISTCORTESE
LUST
ENVIROSTOR
SWRCY
FUDS
RCRAC
ENVIROSTORPCA
ENVIROSTOR
Ontario CA
627 South Bon View Avenue
Ontario, California
N
W
E
S
0'
1000'
2000'
3000'
SCALE: 1" = 2000'

Radius Map 2


1/2 Mile
1/4 Mile
1/8 Mile
Lynn Haven St
C St
Sierra Ct
N Monterey Ave
N Miramonte Ave
Muscatel Ave
N Berlyn Ave
N Allyn Ave
E Elma St
E Willow St
E Holt Blvd
E Emporia St
S Pleasant Ave
Melrose Ave
S Malcolm Ave
S Sultana Ave
E Main St
E State St
Ontario Blvd
E Park St
E Sunkist St
Nevada St
Garfield Ave
E Washington St
E Jefferson St
E Airport Dr
S Grove Ave
E California St
S Monterey Ave
S Caldwell Ave
S Taylor Ave
S Hope Ave
S Greenwood Ave
E Maitland St
E Belmont St
E Phillips St
Woodlawn St
S Campus Ave
S Bon View Ave
S Cucamonga Ave
E Kern St
S Peach St
Mildred St
E Acacia Ct
Target Property (TP)
RCRAGR09
RCRANGR09
SBFD
CALSITES
SWEEPS
SBMW
CLEANUPSITES
HISTCORTESE
ABST
SEMS
CLEANUPSITES
HISTCORTESE
LUST
ENVIROSTOR
SWRCY
FUDS
RCRAC
ENVIROSTORPCA
ENVIROSTOR
Ontario CA
627 South Bon View Avenue
Ontario, California
N
W
E
S
0'
500'
1000'
1500'
SCALE: 1" = 1000'

Ortho Map



Target Property (TP)
RCRAGR09
RCRANGR09
SBFD
CALSITES
SWEEPS
SBMW
CLEANUPSITES
HISTCORTESE

ABST
SEMS
CLEANUPSITES
HISTCORTESE
LUST
ENVIROSTOR
SWRCY
FUDS

RCRAC
ENVIROSTORPCA
ENVIROSTOR

Quadrangle(s): Ontario
Ontario CA
627 South Bon View Avenue
Ontario, California

N
W E
S

0' 500' 1000' 1500'
SCALE: 1" = 1000'

Topographic Map

Target Property (TP)

Quadrangle(s): Ontario
Source: USGS,
03/21/2012
Ontario CA
627 South Bon View Avenue
Ontario, California

N
W E
S

0' 1000' 2000' 3000'
SCALE: 1" = 2000'

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
1	ECHOR09	110002862796	Higher (960 ft.)	TP	A B C PRODUCTS	621 S BON VIEW AVE, ONTARIO, CA 91761	46
1	ECHOR09	110070420757	Higher (960 ft.)	TP	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761	47
1	FRSCA	110002862796	Higher (960 ft.)	TP	A B C PRODUCTS	621 S BON VIEW AVE, ONTARIO, CA 91761	48
1	FRSCA	110058212508	Higher (960 ft.)	TP	ABC WINDOW COMPANY	621 S BON VIEW AVE, ONTARIO, CA 91761	49
1	FRSCA	110070420757	Higher (960 ft.)	TP	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761	50
1	***HISTUST***	***000298A4***	***Higher (960 ft.)***	***TP***	***BESTILE MFG CO***	***621 S BON VIEW, ONTARIO, CA 91761***	***51***
1	HWTS	CAC002647620	Higher (960 ft.)	TP	FLEET RV & BOAT STORAGE	627 S BON VIEW AVE, ONTARIO, CA 91761	53
1	HWTS	CAC002822991	Higher (960 ft.)	TP	SC FUELS	621 S BON VIEW AVE, ONTARIO, CA 91761	55
1	HWTS	CAD983608308	Higher (960 ft.)	TP	ABC WINDOW COMPANY, INC.	621 S BON VIEW AVE, ONTARIO, CA 91761	56
1	HWTS	CAL000411685	Higher (960 ft.)	TP	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761	64
1	***RCRAGR09***	***CAD983608308***	***Higher (960 ft.)***	***TP***	***A B C PRODUCTS***	***621 S BON VIEW AVE, ONTARIO, CA 91761***	***66***
1	***RCRANGR09***	***CAL000411685***	***Higher (960 ft.)***	***TP***	***SHAMROCK PAVING***	***621 S BON VIEW AVE, ONTARIO, CA 91761***	***68***
1	SBFD	FA0000193	Higher (960 ft.)	TP	ABC WINDOW CO., INC	621 S BON VIEW AVE, ONTARIO, CA 91761	70
2	ECHOR09	110065139781	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	71
2	FRSCA	110065139781	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	72
2	ICISNPDES	CAZ288884INP DES	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	73
2	NPDES	2753670	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	75
2	***RCRANGR09***	***CAL000324385***	***Equal (954 ft.)***	***0.009 mi. W (48 ft.)***	***FOAM ZONE INC***	***945 E CALIFORNIA ST, ONTARIO, CA 91761***	***76***
2	SBFD	FA0011197	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC.	945 E CALIFORNIA ST, ONTARIO, CA 91761	78
3	ECHOR09	110070084832	Lower (947 ft.)	0.014 mi. E (74 ft.)	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761	80
3	ECHOR09	110070097080	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	81
3	FRSCA	110070084832	Lower (947 ft.)	0.014 mi. E (74 ft.)	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761	82
3	FRSCA	110070097080	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	83
3	ICIS	110070097080	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	84
3	ICISNPDES	CAW405437INP DES	Lower (947 ft.)	0.014 mi. E (74 ft.)	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761	85

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
3	ICISNPDES	CAZ480055INPDES	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	87
3	NPDES	946607906	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	90
3	SBFD	FA0018276	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE, INC.	1075 E CALIFORNIA ST, ONTARIO, CA 91761	91
4	***RCRANGR09***	***CAL000400243***	***Higher (960 ft.)***	***0.026 mi. W (137 ft.)***	***PRIMO'S CYLINDER HEAD INC***	***630 S BON VIEW AVE, ONTARIO, CA 91761***	***92***
4	***RCRANGR09***	***CAL000414970***	***Higher (960 ft.)***	***0.026 mi. W (137 ft.)***	***I.E AUTOMOTIVE***	***628 S BON VIEW AVE UNIT B, ONTARIO, CA 91761***	***94***
4	SBFD	FA0003475	Higher (960 ft.)	0.017 mi. W (90 ft.)	GLENCO MANUFACTURING COMPANY	716 S BON VIEW AVE, ONTARIO, CA 91761	96
5	ECHOR09	110070423611	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPEMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761	97
5	ECHOR09	110070484971	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761	98
5	FRSCA	110070423611	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPEMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761	99
5	FRSCA	110070484971	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761	100
5	HWTS	CAL000419716	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761	101
5	HWTS	CAL000437418	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761	103
5	***RCRANGR09***	***CAL000419890***	***Lower (947 ft.)***	***0.020 mi. E (106 ft.)***	***ONSITE TRUCK & EQUIPEMENT REPAIR INC***	***1060 ONTARIO BLVD, ONTARIO, CA 91761***	***104***
5	***RCRANGR09***	***CAL000437418***	***Lower (947 ft.)***	***0.020 mi. E (106 ft.)***	***ONSITE TRUCK & EQUIPMENT***	***1060 E ONTARIO BLVD, ONTARIO, CA 91761***	***106***
6	***RCRAGR09***	***CAD983584038***	***Equal (954 ft.)***	***0.024 mi. S (127 ft.)***	***INTER TRACTOR***	***921 E CALOFORNIA, ONTARIO, CA 91761***	***108***
7	***RCRAGR09***	***CA0000042242***	***Lower (950 ft.)***	***0.026 mi. W (137 ft.)***	***GLENCO MFG***	***716 S BON VIEW, ONTARIO, CA 91761***	***109***
8	***RCRAGR09***	***CAD981657836***	***Lower (950 ft.)***	***0.054 mi. W (285 ft.)***	***GLENCO MANFACTURING CO***	***707 S HOPE AVE, ONTARIO, CA 91761***	***110***
8	***RCRANGR09***	***CAL000368332***	***Lower (950 ft.)***	***0.054 mi. W (285 ft.)***	***S & H GLENCO MANUFACTURING LLC***	***707 S HOPE AVE, ONTARIO, CA 91761***	***112***
8	SBFD	FA0012997	Lower (950 ft.)	0.054 mi. W (285 ft.)	S&H GLENCO MANUFACTURING, LLC	707 S HOPE AVE, ONTARIO, CA 91761	114
9	***RCRANGR09***	***CAR000240259***	***Lower (947 ft.)***	***0.032 mi. S (169 ft.)***	***GOLD BULL TRANSPORTATION INC***	***1024 CALIFORNIA ST, ONTARIO, CA 91761***	***116***
10	***ABST***	***4197***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER PRECISION MACHINING, LLC***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***118***

Located Sites Summary

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
10	***CALSITES***	***36350005***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***	***127***
10	***CLEANUPSITES***	***SL208413896***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY INC***	***724 BON VIEW, ONTARIO, CA 91761***	***128***
10	***ENVIROSTOR***	***36350005***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***	***133***
10	***ENVIROSTOR***	***71002447***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MFG. CO., INC.***	***724 S. BON VIEW AVENUE, ONTARIO, CA 91761***	***134***
10	HISTCORTESE	36350005COR	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPA	724 BON VIEW, ONTARIO, CA 91761	135
10	***HISTUST***	***000298C2***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 S BON VIEW AVENUE, ONTARIO, CA 91761***	***136***
10	***RCRAGR09***	***CAD051980191***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY, INC.***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***	***138***
10	***RCRANGR09***	***CAL000357292***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER PRECISION MACHINING LLC***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***140***
10	***RCRANGR09***	***CAL000404983***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***SEAVIEW AGI ACQUISITIONS***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***142***
10	REF	36350005	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPANY	724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761	144
10	REF	71002447	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MFG. CO., INC.	724 S. BON VIEW AVENUE, ONTARIO, CA 91761	145
10	SBFD	FA0000815	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER PRECISION MACHINING, LLC	724 S BON VIEW AVE, ONTARIO, CA 91761	146
10	***SEMSARCH***	***CAD051980191***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MFG CO***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***149***
10	SLIC	8-8 - 187	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER	724 S BON VIEW AVE, ONTARIO, CA	150
10	SLIC	SL208413896	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPANY INC	724 BON VIEW, ONTARIO, CA 91761	151
10	***SWEEPS***	***A36-000-52961***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***152***
11	***RCRANGR09***	***CAL000327123***	***Lower (947 ft.)***	***0.044 mi. ENE (232 ft.)***	***KING EQUIPMENT LLC***	***1080 E ONTARIO BLVD, ONTARIO, CA 91761***	***153***
11	***RCRANGR09***	***CAL000421481***	***Lower (947 ft.)***	***0.044 mi. ENE (232 ft.)***	***KLEIN PRODUCTS INC***	***1080 E ONTARIO BLVD, ONTARIO, CA 91761***	***155***
11	SBFD	FA0015636	Lower (947 ft.)	0.044 mi. ENE (232 ft.)	KING EQUIPMENT	1080 E ONTARIO BLVD, ONTARIO, CA 91761	157
11	SBFD	FA0017585	Lower (947 ft.)	0.044 mi. ENE (232 ft.)	KLEIN PRODUCTS, INC.	1080 ONTARIO BLVD, ONTARIO, CA 91761	158

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
12	CLEANER	CAL000378188	Lower (947 ft.)	0.076 mi. ESE (401 ft.)	PW REPAIR'S INC	1064 E CALIFORNIA ST, ONTARIO, CA 91761	159
12	***RCRANGR09***	***CAL000341684***	***Lower (947 ft.)***	***0.051 mi. SE (269 ft.)***	***AIRPORT MOBIL INC***	***1046 E CALIFORNIA ST, ONTARIO, CA 91761***	***160***
12	***RCRANGR09***	***CAL000378188***	***Lower (947 ft.)***	***0.076 mi. ESE (401 ft.)***	***PW REPAIRS INC***	***1064 E CALIFORNIA ST, ONTARIO, CA 91761***	***162***
12	SBFD	FA0014964	Lower (947 ft.)	0.051 mi. SE (269 ft.)	AIRPORT MOBIL TOWING	1046 E CALIFORNIA, ONTARIO, CA 91761	164
12	SBFD	FA0015695	Lower (947 ft.)	0.076 mi. ESE (401 ft.)	PW REPAIRS	1064 E CALIFORNIA ST, ONTARIO, CA 91761	166
13	***RCRANGR09***	***CAL000458285***	***Higher (959 ft.)***	***0.054 mi. W (285 ft.)***	***LYNWOOD PATTERN***	***603 S HOPE ST, ONTARIO, CA 91761***	***167***
13	SBFD	FA0000874	Higher (959 ft.)	0.059 mi. W (312 ft.)	ALUM-ALLOY COMPANY INC	603 S HOPE AVE, ONTARIO, CA 91761	169
14	SBFD	FA0009883	Lower (950 ft.)	0.071 mi. S (375 ft.)	VACANT PROPERTY	902 CALIFORNIA ST, ONTARIO, CA 91761	170
15	***HISTUST***	***00029DB7***	***Lower (950 ft.)***	***0.080 mi. SSW (422 ft.)***	***DONS WELDING SERVICE INC***	***854 EAST CALIFORNIA ST, ONTARIO, CA 91761***	***171***
15	***RCRANGR09***	***CAL000401609***	***Lower (950 ft.)***	***0.080 mi. SSW (422 ft.)***	***MEGA TRUCK & TRAILER REPAIR INC***	***854 E CALIFORNIA ST, ONTARIO, CA 91761***	***172***
15	SBFD	FA0010871	Lower (950 ft.)	0.084 mi. SW (444 ft.)	INDUSTRIAL EQUIPMENT REPAIR	854 E CALIFORNIA, ONTARIO, CA 91761	174
15	SBFD	FA0015633	Lower (950 ft.)	0.080 mi. SSW (422 ft.)	MEGA TRUCK & TRAILER REPAIR	854 E CALIFORNIA ST, ONTARIO, CA 91761	175
15	***SWEEPS***	***A36-000-19685***	***Lower (950 ft.)***	***0.080 mi. SSW (422 ft.)***	***DON'S WELDING SERVICE INC.***	***854 E CALIFORNIA ST, ONTARIO, CA 91761***	***177***
16	***RCRANGR09***	***CAL000440687***	***Lower (947 ft.)***	***0.082 mi. E (433 ft.)***	***PATTON SALES CORP DBA PATTON STEEL QUEEN CITY STEEL***	***1095 E CALIFORNIA ST, ONTARIO, CA 91761***	***178***
17	***HISTUST***	***00029CDB***	***Higher (959 ft.)***	***0.091 mi. W (480 ft.)***	***COLUMBIA PEST CONTROL OF ONTAR***	***622 S HOPE AVE, ONTARIO, CA 91761***	***180***
17	SBFD	FA0002442	Higher (959 ft.)	0.093 mi. W (491 ft.)	COLUMBIA PEST CTRL OF ONT	622 S HOPE AVE, ONTARIO, CA 91761	181
17	SBFD	FA0008444	Higher (959 ft.)	0.093 mi. W (491 ft.)	CAPITAL IRON	602 S HOPE AVE, ONTARIO, CA 91761	182
17	***SWEEPS***	***A36-000-40489***	***Higher (959 ft.)***	***0.091 mi. W (480 ft.)***	***COLUMBIA PEST CONTROL OF ONTAR***	***622 S HOPE AVE, ONTARIO, CA 91761***	***183***
18	***RCRANGR09***	***CAL000238576***	***Equal (954 ft.)***	***0.093 mi. W (491 ft.)***	***SIERRA TORQUE CONVERTERS & SECONDARY***	***710 S HOPE AVE, ONTARIO, CA 91761***	***184***
18	SBFD	FA0006182	Equal (954 ft.)	0.093 mi. W (491 ft.)	SIERRA TORQUE CONVERTER & SECONDARY	710 HOPE AVE, ONTARIO, CA 91761	186
19	SBFD	FA0003447	Higher (959 ft.)	0.093 mi. W (491 ft.)	GENERAL OUTDOOR ADVERTISING	632 S HOPE AVE, ONTARIO, CA 91761	188

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
20	***RCRANGR09***	***CAL000307793***	***Higher (973 ft.)***	***0.094 mi. N (496 ft.)***	***CASTROS TOWING & GENERAL AUTO***	***409 S BON VIEW AVE STE B, ONTARIO, CA 91761***	***189***
20	***RCRANGR09***	***CAL000401299***	***Higher (973 ft.)***	***0.094 mi. N (496 ft.)***	***NORMAN'S AUTO REPAIR***	***409 S BON VIEW AVE STE A, ONTARIO, CA 91761***	***191***
20	SBFD	FA0010009	Higher (973 ft.)	0.095 mi. N (502 ft.)	TARAHUMARA AUTO REPAIR	409 S BON VIEW AVE B, ONTARIO, CA 91761	193
20	SBFD	FA0010543	Higher (973 ft.)	0.095 mi. N (502 ft.)	CASTRO'S TOWING & GENERAL AUTO	409 S BON VIEW STE B, ONTARIO, CA 91761	194
20	SBFD	FA0010682	Higher (973 ft.)	0.095 mi. N (502 ft.)	A-1 AUTOMOTIVE REPAIR	409 S BON VIEW STE A, ONTARIO, CA 91761	195
20	SBFD	FA0015725	Higher (973 ft.)	0.097 mi. N (512 ft.)	NORMAN'S AUTO REPAIR	409 S BON VIEW AVE A, ONTARIO, CA 91761	196
21	***RCRANGR09***	***CAL000378610***	***Higher (973 ft.)***	***0.108 mi. NNW (570 ft.)***	***MBA AUTO BODY PAINT & COLLISION***	***404 S BON VIEW AVE, ONTARIO, CA 91761***	***197***
21	***RCRANGR09***	***CAL000444629***	***Higher (973 ft.)***	***0.107 mi. NNW (565 ft.)***	***ONTARIO AUTO BODY CRAFT & COLLISION***	***406 S BON VIEW AVE, ONTARIO, CA 91761***	***199***
21	***RCRANGR09***	***CAL000445481***	***Higher (973 ft.)***	***0.116 mi. NNW (612 ft.)***	***HOLT AUTOBODY AND PAINT***	***402 S BON VIEW AVE, ONTARIO, CA 91761***	***201***
21	***RCRANGR09***	***CAP000148379***	***Higher (973 ft.)***	***0.098 mi. NNW (517 ft.)***	***WESTERN TECHNOLOGY ASSOCIATES***	***418 SOUTH BON VIEW AVE, ONTARIO, CA 91716***	***203***
21	SBFD	FA0005597	Higher (973 ft.)	0.095 mi. NNW (502 ft.)	MEDINA'S AUTO BODY	422 S BON VIEW AVE, ONTARIO, CA 91761	205
21	SBFD	FA0007479	Higher (973 ft.)	0.108 mi. NNW (570 ft.)	GENERAL AUTO	402 S BON VIEW AVE, ONTARIO, CA 91761	206
21	SBFD	FA0009801	Higher (973 ft.)	0.108 mi. NNW (570 ft.)	FRANCO AUTO REPAIR	412 S BON VIEW AVE, ONTARIO, CA 91761	207
21	SBFD	FA0012953	Higher (973 ft.)	0.116 mi. NNW (612 ft.)	RSR AUTO REPAIR AND BODY SHOP	402 S BON VIEW, ONTARIO, CA 91761	208
21	SBFD	FA0012954	Higher (973 ft.)	0.108 mi. NNW (570 ft.)	MBA AUTO BODY PAINT & COLLISION	404 S BON VIEW, ONTARIO, CA 91761	209
21	SBFD	FA0018148	Higher (973 ft.)	0.107 mi. NNW (565 ft.)	ONTARIO AUTO BODY	406 S BONVIEW, ONTARIO, CA 91761	210
22	SBMW	431820152	Lower (942 ft.)	0.113 mi. S (597 ft.)	WEST END SHELTER	1010 E MISSION BL, ONTARIO, CA 91761	211
23	***ABST***	***391025***	***Higher (972 ft.)***	***0.118 mi. NW (623 ft.)***	***D & M METALS***	***840 E STATE ST, ONTARIO, CA 91761***	***212***
23	***RCRANGR09***	***CAL000277999***	***Higher (972 ft.)***	***0.118 mi. NW (623 ft.)***	***D & M METALS***	***840 E STATE ST, ONTARIO, CA 91761***	***221***
23	SBFD	FA0002601	Higher (972 ft.)	0.118 mi. NW (623 ft.)	D & M METALS	840 E STATE ST, ONTARIO, CA 91761	223
23	SWRCY	RC194495.001	Higher (972 ft.)	0.118 mi. NW (623 ft.)	D & M METALS	840 E STATE ST, ONTARIO, CA 91761	225

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
23	SWRCY	RC4663	Higher (972 ft.)	0.140 mi. NW (739 ft.)	D AND M METALS	840 E STATE ST, ONTARIO, CA 91761	226
24	***CLEANUPSITES***	***T0607100140***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***227***
24	HISTCORTESE	083601221TCOR	Lower (937 ft.)	0.118 mi. SE (623 ft.)	MISSION READY MIX	840 CUCAAMONGA, ONTARIO, CA 91761	229
24	***HISTUST***	***0002A26A***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX CONCRETE IN***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***230***
24	***LUST***	***T0607100140***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***232***
24	SBFD	FA0004754	Lower (937 ft.)	0.140 mi. SE (739 ft.)	HOLLIDAY ROCK - ONTARIO	840 S CUCAMONGA AVE, ONTARIO, CA 91762	233
24	***SWEEPS***	***A36-000-12855***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX CONCRETE, IN***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***236***
24	***USTCUPA***	***3255466561***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***HOLLIDAY ROCK - ONTARIO***	***840 S. CUCAMONGA AVE., ONTARIO, CA 91762***	***237***
25	***RCRANGR09***	***CAC003001133***	***Equal (954 ft.)***	***0.120 mi. W (634 ft.)***	***HARRIE COHEN***	***635 TAYLOR AVENUE, ONTARIO, CA 91761***	***238***
25	SBFD	FA0015841	Equal (954 ft.)	0.120 mi. W (634 ft.)	ONTARIO PROPERTY	635 S TAYLOR AVE, ONTARIO, CA 91761	240
26	***CALSITES***	***36360019***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ISAAC COHEN AND SON INC***	***717 SOUTH TAYLOR AVENUE, ONTARIO, CA 91761***	***241***
26	***ENVIROSTOR***	***36360019***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ISAAC COHEN AND SON INC***	***717 SOUTH TAYLOR AVENUE, ONTARIO, CA 91761***	***242***
26	***ENVIROSTOR***	***36990004***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ONTARIO METAL RECYCLING***	***717 S. TAYLOR AVENUE, ONTARIO, CA 91761***	***243***
26	NFA	36990004	Equal (954 ft.)	0.122 mi. W (644 ft.)	ONTARIO METAL RECYCLING	717 S. TAYLOR AVENUE, ONTARIO, CA 91761	244
26	***RCRAGR09***	***CAD052851078***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***COHEN ISAAC & SON***	***717 S TAYLOR, ONTARIO, CA 91761***	***245***
26	***SEMSARCH***	***CAD052851078***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***COHEN ISAAC & SON INC***	***717 S TAYLOR, ONTARIO, CA 91761***	***247***
26	***VCP***	***36990004***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ONTARIO METAL RECYCLING***	***717 S. TAYLOR AVENUE, ONTARIO, CA 91761***	***248***
27	SBFD	FA0009440	Equal (954 ft.)	0.126 mi. WSW (665 ft.)	J & J INDUSTRIAL SERVICES	820 E CALIFORNIA ST, ONTARIO, CA 91761	249
28	SBFD	FA0004270	Lower (937 ft.)	0.136 mi. SE (718 ft.)	KLEIN PRODUCTS, INC.	816 S CUCAMONGA AVE, ONTARIO, CA 91761	250
28	SBFD	FA0017179	Lower (937 ft.)	0.136 mi. SE (718 ft.)	NICKOLAS STEEL, INC.	816 S CUCAMONGA AVE, ONTARIO, CA 91761	251
29	***CALSITES***	***36500005***	***Higher (972 ft.)***	***0.148 mi. NW (781 ft.)***	***D & M METALS, INC***	***824 EAST STATE STREET, ONTARIO, CA 91761***	***252***
29	***ENVIROSTOR***	***36500005***	***Higher (972 ft.)***	***0.148 mi. NW (781 ft.)***	***D & M METALS, INC***	***824 EAST STATE STREET, ONTARIO, CA 91761***	***253***
29	REF	36500005	Higher (972 ft.)	0.148 mi. NW (781 ft.)	D & M METALS, INC	824 EAST STATE STREET, ONTARIO, CA 91761	254
29	***SEMSARCH***	***CAD982360067***	***Higher (972 ft.)***	***0.148 mi. NW (781 ft.)***	***D&M METALS INC***	***824 E STATE ST, ONTARIO, CA 91761***	***255***

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
30	SBFD	FA0005157	Higher (972 ft.)	0.141 mi. WNW (744 ft.)	PACIFIC AUTO WRECKING	802 E ONTARIO BLVD, ONTARIO, CA 91761	256
31	SBFD	FA0001756	Lower (948 ft.)	0.147 mi. E (776 ft.)	CAN-AM AUTO SALVAGE INC	1101 E CALIFORNIA ST, ONTARIO, CA 91761	257
31	SBFD	FA0008266	Lower (948 ft.)	0.147 mi. E (776 ft.)	A & A USED AUTO PARTS	1101 E CALIFORNIA ST STE A, ONTARIO, CA 91761	258
31	SBFD	FA0013419	Lower (948 ft.)	0.147 mi. E (776 ft.)	BIG THREE AUTO DISMANTLING INC	1101 E CALIFORNIA ST UNIT B, ONTARIO, CA 91761	259
32	HISTCORTESE	083602564TCOR	Lower (937 ft.)	0.170 mi. SE (898 ft.)	ONTARIO OMS #1.	905 CUCAAMONGA, ONTARIO, CA 91761	260
33	SBFD	FA0007508	Equal (954 ft.)	0.175 mi. WSW (924 ft.)	PREFERRED POOLS	758 E CALIFORNIA, ONTARIO, CA 91762	261
33	SBFD	FA0014731	Equal (954 ft.)	0.175 mi. WSW (924 ft.)	WATERWAYS POOLS	758 E CALIFORNIA, ONTARIO, CA 91762	262
34	SBFD	FA0004524	Higher (976 ft.)	0.180 mi. N (950 ft.)	M & M MACHINERY	810 E MAIN ST, ONTARIO, CA 91761	263
34	SBFD	FA0006284	Higher (976 ft.)	0.180 mi. N (950 ft.)	ICL PERFORMANCE PRODUCTS LP	810 E MAIN ST, ONTARIO, CA 91761	264
35	***HISTUST***	***00029DDE***	***Higher (976 ft.)***	***0.182 mi. NNW (961 ft.)***	***E-Z SERVE OF CALIF INC***	***316 S BON VIEW AVE, ONTARIO, CA 91761***	***265***
35	SBFD	FA0006185	Higher (976 ft.)	0.182 mi. NNW (961 ft.)	SIGMA CORPORATION	316 S BON VIEW AVE, ONTARIO, CA 91761	268
35	***SWEEPS***	***A36-000-13365***	***Higher (976 ft.)***	***0.182 mi. NNW (961 ft.)***	***E-Z SERVE OF CALIF., INC.***	***316 S BON VIEW AVE, ONTARIO, CA 91761***	***269***
36	SBFD	FA0013371	Lower (948 ft.)	0.184 mi. E (972 ft.)	CAN AM AUTO SALVAGE INC	1125 E CALIFORNIA ST, ONTARIO, CA 91761	270
37	SBFD	FA0017686	Higher (979 ft.)	0.195 mi. NNW (1030 ft.)	JC HORIZON LTD.	825 E STATE ST, ONTARIO, CA 91761	271
38	SBFD	FA0009214	Lower (950 ft.)	0.199 mi. W (1051 ft.)	AW COULTER TRUCKING	737 E CALIFORNIA ST, ONTARIO, CA 91761	272
39	SBFD	FA0012686	Lower (950 ft.)	0.207 mi. W (1093 ft.)	ALTA ADVANCED TECHNOLOGIES INC	760 E SUNKIST ST, ONTARIO, CA 91761	273
39	SBFD	FA0017830	Lower (950 ft.)	0.207 mi. W (1093 ft.)	VITCO DISTRIBUTORS	715 E CALIFORNIA ST, ONTARIO, CA 91761	275
40	SBFD	FA0004638	Higher (973 ft.)	0.219 mi. WNW (1156 ft.)	VERIZON BUSINESS: ONTRCA	756 E STATE ST, ONTARIO, CA 91761	276
40	SBFD	FA0008162	Higher (973 ft.)	0.237 mi. WNW (1251 ft.)	BAUSMAN & COMPANY	745 E STATE ST, ONTARIO, CA 91761	277
41	SBFD	FA0015686	Lower (931 ft.)	0.224 mi. ESE (1183 ft.)	HEREWEGO LLC DBA PIRTEK INLAND VALLEY	909 S CUCAMONGA AVE STE 101, ONTARIO, CA 91761	278
42	SBFD	FA0013260	Higher (981 ft.)	0.226 mi. NW (1193 ft.)	AG CONSTRUCTION	807 E STATE ST, ONTARIO, CA 91761	279

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
43	***ABST***	***396303***	***Lower (926 ft.)***	***0.226 mi. S (1193 ft.)***	***LEGACY SUPPLY CHAIN SERVICES***	***1000 S CUCAMONGA AVE, ONTARIO, CA 91761***	***280***
43	SBFD	FA0007696	Lower (926 ft.)	0.226 mi. S (1193 ft.)	LEGACY SUPPLY CHAIN SERVICES	1000 S CUCAMONGA AVE, ONTARIO, CA 91761	285
44	SBFD	FA0005935	Higher (955 ft.)	0.229 mi. ENE (1209 ft.)	SAXON BROS EQUIPMENT	1128 E STATE ST, ONTARIO, CA 91761	288
45	SBFD	FA0015185	Higher (961 ft.)	0.243 mi. W (1283 ft.)	SUMMERS BROTHERS INC.	720 E SUNKIST ST STE 103, ONTARIO, CA 91761	289
46	SBFD	FA0003932	Lower (950 ft.)	0.244 mi. W (1288 ft.)	BLACK HILLS ONTARIO LLC	705 E CALIFORNIA ST, ONTARIO, CA 91761	291
47	***SEMS***	***CAN000903310***	***Higher (970 ft.)***	***0.261 mi. NE (1378 ft.)***	***CERTIFIED TOWING ABANDONED DRUMS***	***1135 E. STATE STREET, ONTARIO, CA 91761***	***292***
48	***CLEANUPSITES***	***SLT8R0303915***	***Lower (921 ft.)***	***0.311 mi. E (1642 ft.)***	***NORTHROP***	***ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA***	***293***
48	***CLEANUPSITES***	***SLT8R0313916***	***Lower (921 ft.)***	***0.311 mi. E (1642 ft.)***	***DOUGLAS AIRCRAFT CO***	***ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA***	***295***
48	***CLEANUPSITES***	***SLT8R0493933***	***Lower (921 ft.)***	***0.311 mi. E (1642 ft.)***	***CALIFORNIA AIR NATIONAL GUARD***	***ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA***	***297***
48	***CLEANUPSITES***	***SLT8R0503934***	***Lower (921 ft.)***	***0.311 mi. E (1642 ft.)***	***AEROJET GENERAL CORPORATION***	***ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA***	***299***
48	***CLEANUPSITES***	***T0607181149***	***Lower (921 ft.)***	***0.311 mi. E (1642 ft.)***	***AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT***	***2500 E. AIRPORT DRIVE, ONTARIO, CA 91761***	***301***
48	HISTCORTESE	083600231TCOR	Lower (921 ft.)	0.311 mi. E (1642 ft.)	LOCKHEED AIRCRAFT SERVICE	2411 ONTARIO AIRPORT, ONTARIO, CA 91764	303
48	***LUST***	***T0607181149***	***Lower (921 ft.)***	***0.311 mi. E (1642 ft.)***	***AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT***	***2500 E. AIRPORT DRIVE, ONTARIO, CA 91761***	***304***
49	***CALSITES***	***36200001***	***Higher (960 ft.)***	***0.345 mi. W (1822 ft.)***	***SUNKIST GROWERS***	***616 EAST SUNKIST STREET, ONTARIO, CA 91761***	***305***
49	***CLEANUPSITES***	***T0607100463***	***Higher (960 ft.)***	***0.345 mi. W (1822 ft.)***	***SUNKIST***	***616 E SUNKIST ST, ONTARIO, CA 91761***	***306***
49	***ENVIROSTOR***	***36200001***	***Higher (960 ft.)***	***0.345 mi. W (1822 ft.)***	***SUNKIST GROWERS***	***616 EAST SUNKIST STREET, ONTARIO, CA 91761***	***307***
49	HISTCORTESE	083603111TCOR	Higher (960 ft.)	0.345 mi. W (1822 ft.)	SUNKIST	616, ONTARIO, CA 91761	308
49	***LUST***	***T0607100463***	***Higher (960 ft.)***	***0.345 mi. W (1822 ft.)***	***SUNKIST***	***616 E SUNKIST ST, ONTARIO, CA 91761***	***309***
49	REF	36200001	Higher (960 ft.)	0.345 mi. W (1822 ft.)	SUNKIST GROWERS	616 EAST SUNKIST STREET, ONTARIO, CA 91761	310
49	***SEMSARCH***	***CAD008514051***	***Higher (960 ft.)***	***0.345 mi. W (1822 ft.)***	***SUNKIST GROWERS***	***616 E SUNKIST ST, ONTARIO, CA 91761***	***311***
50	***ENVIROSTOR***	***36000010***	***Higher (995 ft.)***	***0.348 mi. NW (1837 ft.)***	***CRUZ PROPERTY***	***757 E. EMPORIA STREET, ONTARIO, CA 91761***	***312***
50	REF	36000010	Higher (995 ft.)	0.348 mi. NW (1837 ft.)	CRUZ PROPERTY	757 E. EMPORIA STREET, ONTARIO, CA 91761	313
51	***CALSITES***	***36490109***	***Lower (944 ft.)***	***0.375 mi. WSW (1980 ft.)***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***	***314***

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
51	***ENVIROSTOR***	***36490109***	***Lower (944 ft.)***	***0.375 mi. WSW (1980 ft.)***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***	***315***
51	HISTCORTESE	36490109COR	Lower (944 ft.)	0.375 mi. WSW (1980 ft.)	SO CAL GAS/ONTARIO MGP	CNR CAMPUS MARTLAND MONTE, ONTARIO, CA 91761	316
51	***VCP***	***36490109***	***Lower (944 ft.)***	***0.375 mi. WSW (1980 ft.)***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***	***317***
52	***CLEANUPSITES***	***T0607100628***	***Higher (970 ft.)***	***0.392 mi. NE (2070 ft.)***	***HERTZ RENT A CAR***	***2060 E EMPORIA, ONTARIO, CA 91761***	***318***
52	HISTCORTESE	083603632TCOR	Higher (970 ft.)	0.392 mi. NE (2070 ft.)	HERTZ RENT A CAR	2060, ONTARIO, CA 91761	319
52	***LUST***	***T0607100628***	***Higher (970 ft.)***	***0.392 mi. NE (2070 ft.)***	***HERTZ RENT A CAR***	***2060 E EMPORIA, ONTARIO, CA 91761***	***320***
53	DROP	CP0091	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS	608 E MAIN ST, ONTARIO, CA 91761	321
53	PROC	PR0011	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761	322
53	SWRCY	PR0011	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761	323
53	SWRCY	RC0070	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761	324
54	***CLEANUPSITES***	***T0607100129***	***Higher (980 ft.)***	***0.428 mi. WNW (2260 ft.)***	***UNOCAL BULK PLANT #0551***	***601 E MAIN ST, ONTARIO, CA 91761***	***325***
54	***LUST***	***T0607100129***	***Higher (980 ft.)***	***0.428 mi. WNW (2260 ft.)***	***UNOCAL BULK PLANT #0551***	***601 E MAIN ST, ONTARIO, CA 91761***	***326***
54	SWRCY	RC11004	Higher (980 ft.)	0.427 mi. WNW (2255 ft.)	MAIN STREET FIBERS INC	653 E MAIN ST, ONTARIO, CA 91761	327
55	***CLEANUPSITES***	***T0607100088***	***Lower (922 ft.)***	***0.446 mi. SSW (2355 ft.)***	***GONZALES AND SONS***	***844 WOODLAWN ST, ONTARIO, CA 92716***	***328***
55	HISTCORTESE	083600809TCOR	Lower (922 ft.)	0.446 mi. SSW (2355 ft.)	GONZALES AND SONS	844, ONTARIO, CA 92716	330
55	***LUST***	***T0607100088***	***Lower (922 ft.)***	***0.446 mi. SSW (2355 ft.)***	***GONZALES AND SONS***	***844 WOODLAWN ST, ONTARIO, CA 92716***	***331***
56	***CLEANUPSITES***	***T0607100616***	***Higher (976 ft.)***	***0.463 mi. NE (2445 ft.)***	***BLACK GOLD***	***1194 E HOLT BLVD, ONTARIO, CA 91761***	***332***
56	HISTCORTESE	083603591TCOR	Higher (976 ft.)	0.464 mi. NE (2450 ft.)	BLACK GOLD	1194, ONTARIO, CA 91761	334
56	***LUST***	***T0607100616***	***Higher (976 ft.)***	***0.463 mi. NE (2445 ft.)***	***BLACK GOLD***	***1194 E HOLT BLVD, ONTARIO, CA 91761***	***335***

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
57	HISTCORTESE	083601143TCOR	Higher (980 ft.)	0.467 mi. WNW (2466 ft.)	UNOCAL BULK PLANT #0551	601, ONTARIO, CA 91761	336
58	***CLEANUPSITES***	***T0607100456***	***Higher (999 ft.)***	***0.484 mi. NW (2556 ft.)***	***POWER THRUST INC.***	***124 N CAMPUS AVE, ONTARIO, CA 91764***	***337***
58	HISTCORTESE	083603063TCOR	Higher (999 ft.)	0.484 mi. NW (2556 ft.)	POWER THRUST INC.	124, ONTARIO, CA 91764	339
58	***LUST***	***T0607100456***	***Higher (999 ft.)***	***0.484 mi. NW (2556 ft.)***	***POWER THRUST INC.***	***124 N CAMPUS AVE, ONTARIO, CA 91764***	***340***
59	***ENVIROSTOR***	***36340065***	***Lower (915 ft.)***	***0.502 mi. SSW (2651 ft.)***	***OAKWOOD INTERIORS SITE***	***1333 S BON VIEW AVE, ONTARIO, CA 91761***	***341***
60	FUDS	J09CA0531	Lower (916 ft.)	0.502 mi. E (2651 ft.)	ONTARIO ARMY AIRFIELD	SAN BERNARDINO COUNTY, ONTARIO, CA 91761	342
61	***ENVIROSTOR***	***80001800***	***Higher (982 ft.)***	***0.570 mi. WNW (3010 ft.)***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN ST, ONTARIO, CA 91761***	***346***
61	***ENVIROSTORPCA***	***CAT000622357***	***Higher (982 ft.)***	***0.570 mi. WNW (3010 ft.)***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN ST, ONTARIO, CA 91761***	***347***
61	***RCRAC***	***CAT000622357***	***Higher (982 ft.)***	***0.570 mi. WNW (3010 ft.)***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN STREET, ONTARIO, CA 91761***	***349***
62	***ENVIROSTOR***	***36720001***	***Higher (996 ft.)***	***0.996 mi. WNW (5259 ft.)***	***TERRA VISTA CLEANERS***	***213 W HOLT AVE., ONTARIO, CA 91762***	***356***
62	***ENVIROSTOR***	***36720002***	***Higher (996 ft.)***	***0.996 mi. WNW (5259 ft.)***	***ELITE CLEANERS***	***213 W HOLT AVE., ONTARIO, CA 91762***	***357***

Site Summary By Database

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
10	ABST	4197	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER PRECISION MACHINING, LLC	724 S BON VIEW AVE, ONTARIO, CA 91761
23	ABST	391025	Higher (972 ft.)	0.118 mi. NW (623 ft.)	D & M METALS	840 E STATE ST, ONTARIO, CA 91761
43	ABST	396303	Lower (926 ft.)	0.226 mi. S (1193 ft.)	LEGACY SUPPLY CHAIN SERVICES	1000 S CUCAMONGA AVE, ONTARIO, CA 91761
10	CALSITES	36350005	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPANY	724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761
26	CALSITES	36360019	Equal (954 ft.)	0.122 mi. W (644 ft.)	ISAAC COHEN AND SON INC	717 SOUTH TAYLOR AVENUE, ONTARIO, CA 91761
29	CALSITES	36500005	Higher (972 ft.)	0.148 mi. NW (781 ft.)	D & M METALS, INC	824 EAST STATE STREET, ONTARIO, CA 91761
49	CALSITES	36200001	Higher (960 ft.)	0.345 mi. W (1822 ft.)	SUNKIST GROWERS	616 EAST SUNKIST STREET, ONTARIO, CA 91761
51	CALSITES	36490109	Lower (944 ft.)	0.375 mi. WSW (1980 ft.)	SO CAL GAS/ONTARIO MGP	CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761
12	CLEANER	CAL000378188	Lower (947 ft.)	0.076 mi. ESE (401 ft.)	PW REPAIR'S INC	1064 E CALIFORNIA ST, ONTARIO, CA 91761
10	CLEANUPSITES	SL208413896	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPANY INC	724 BON VIEW, ONTARIO, CA 91761
24	CLEANUPSITES	T0607100140	Lower (937 ft.)	0.140 mi. SE (739 ft.)	MISSION READY MIX	840 S CUCAMONGA AVE, ONTARIO, CA 91761
48	CLEANUPSITES	SLT8R0303915	Lower (921 ft.)	0.311 mi. E (1642 ft.)	NORTHROP	ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA
48	CLEANUPSITES	SLT8R0313916	Lower (921 ft.)	0.311 mi. E (1642 ft.)	DOUGLAS AIRCRAFT CO	ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA
48	CLEANUPSITES	SLT8R0493933	Lower (921 ft.)	0.311 mi. E (1642 ft.)	CALIFORNIA AIR NATIONAL GUARD	ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA
48	CLEANUPSITES	SLT8R0503934	Lower (921 ft.)	0.311 mi. E (1642 ft.)	AEROJET GENERAL CORPORATION	ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA
48	CLEANUPSITES	T0607181149	Lower (921 ft.)	0.311 mi. E (1642 ft.)	AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT	2500 E. AIRPORT DRIVE, ONTARIO, CA 91761
49	CLEANUPSITES	T0607100463	Higher (960 ft.)	0.345 mi. W (1822 ft.)	SUNKIST	616 E SUNKIST ST, ONTARIO, CA 91761
52	CLEANUPSITES	T0607100628	Higher (970 ft.)	0.392 mi. NE (2070 ft.)	HERTZ RENT A CAR	2060 E EMPORIA, ONTARIO, CA 91761
54	CLEANUPSITES	T0607100129	Higher (980 ft.)	0.428 mi. WNW (2260 ft.)	UNOCAL BULK PLANT #0551	601 E MAIN ST, ONTARIO, CA 91761
55	CLEANUPSITES	T0607100088	Lower (922 ft.)	0.446 mi. SSW (2355 ft.)	GONZALES AND SONS	844 WOODLAWN ST, ONTARIO, CA 92716
56	CLEANUPSITES	T0607100616	Higher (976 ft.)	0.463 mi. NE (2445 ft.)	BLACK GOLD	1194 E HOLT BLVD, ONTARIO, CA 91761
58	CLEANUPSITES	T0607100456	Higher (999 ft.)	0.484 mi. NW (2556 ft.)	POWER THRUST INC.	124 N CAMPUS AVE, ONTARIO, CA 91764

Site Summary By Database

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
53	DROP	CP0091	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS	608 E MAIN ST, ONTARIO, CA 91761
1	ECHOR09	110002862796	Higher (960 ft.)	TP	A B C PRODUCTS	621 S BON VIEW AVE, ONTARIO, CA 91761
1	ECHOR09	110070420757	Higher (960 ft.)	TP	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761
2	ECHOR09	110065139781	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761
3	ECHOR09	110070084832	Lower (947 ft.)	0.014 mi. E (74 ft.)	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761
3	ECHOR09	110070097080	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716
5	ECHOR09	110070423611	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPEMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761
5	ECHOR09	110070484971	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761
10	***ENVIROSTOR***	***36350005***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***
10	***ENVIROSTOR***	***71002447***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MFG. CO., INC.***	***724 S. BON VIEW AVENUE, ONTARIO, CA 91761***
26	***ENVIROSTOR***	***36360019***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ISAAC COHEN AND SON INC***	***717 SOUTH TAYLOR AVENUE, ONTARIO, CA 91761***
26	***ENVIROSTOR***	***36990004***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ONTARIO METAL RECYCLING***	***717 S. TAYLOR AVENUE, ONTARIO, CA 91761***
29	***ENVIROSTOR***	***36500005***	***Higher (972 ft.)***	***0.148 mi. NW (781 ft.)***	***D & M METALS, INC***	***824 EAST STATE STREET, ONTARIO, CA 91761***
49	***ENVIROSTOR***	***36200001***	***Higher (960 ft.)***	***0.345 mi. W (1822 ft.)***	***SUNKIST GROWERS***	***616 EAST SUNKIST STREET, ONTARIO, CA 91761***
50	***ENVIROSTOR***	***36000010***	***Higher (995 ft.)***	***0.348 mi. NW (1837 ft.)***	***CRUZ PROPERTY***	***757 E. EMPORIA STREET, ONTARIO, CA 91761***
51	***ENVIROSTOR***	***36490109***	***Lower (944 ft.)***	***0.375 mi. WSW (1980 ft.)***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***
59	***ENVIROSTOR***	***36340065***	***Lower (915 ft.)***	***0.502 mi. SSW (2651 ft.)***	***OAKWOOD INTERIORS SITE***	***1333 S BON VIEW AVE, ONTARIO, CA 91761***
61	***ENVIROSTOR***	***80001800***	***Higher (982 ft.)***	***0.570 mi. WNW (3010 ft.)***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN ST, ONTARIO, CA 91761***
62	***ENVIROSTOR***	***36720001***	***Higher (996 ft.)***	***0.996 mi. WNW (5259 ft.)***	***TERRA VISTA CLEANERS***	***213 W HOLT AVE., ONTARIO, CA 91762***
62	***ENVIROSTOR***	***36720002***	***Higher (996 ft.)***	***0.996 mi. WNW (5259 ft.)***	***ELITE CLEANERS***	***213 W HOLT AVE., ONTARIO, CA 91762***
61	***ENVIROSTORP CA***	***CAT000622357***	***Higher (982 ft.)***	***0.570 mi. WNW (3010 ft.)***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN ST, ONTARIO, CA 91761***

Site Summary By Database

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
1	FRSCA	110002862796	Higher (960 ft.)	TP	A B C PRODUCTS	621 S BON VIEW AVE, ONTARIO, CA 91761
1	FRSCA	110058212508	Higher (960 ft.)	TP	ABC WINDOW COMPANY	621 S BON VIEW AVE, ONTARIO, CA 91761
1	FRSCA	110070420757	Higher (960 ft.)	TP	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761
2	FRSCA	110065139781	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761
3	FRSCA	110070084832	Lower (947 ft.)	0.014 mi. E (74 ft.)	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761
3	FRSCA	110070097080	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716
5	FRSCA	110070423611	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPEMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761
5	FRSCA	110070484971	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761
60	FUDS	J09CA0531	Lower (916 ft.)	0.502 mi. E (2651 ft.)	ONTARIO ARMY AIRFIELD	SAN BERNARDINO COUNTY, ONTARIO, CA 91761
10	HISTCORTESE	36350005COR	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPA	724 BON VIEW, ONTARIO, CA 91761
24	HISTCORTESE	083601221TCOR	Lower (937 ft.)	0.118 mi. SE (623 ft.)	MISSION READY MIX	840 CUCAAMONGA, ONTARIO, CA 91761
32	HISTCORTESE	083602564TCOR	Lower (937 ft.)	0.170 mi. SE (898 ft.)	ONTARIO OMS #1.	905 CUCAAMONGA, ONTARIO, CA 91761
48	HISTCORTESE	083600231TCOR	Lower (921 ft.)	0.311 mi. E (1642 ft.)	LOCKHEED AIRCRAFT SERVICE	2411 ONTARIO AIRPORT, ONTARIO, CA 91764
49	HISTCORTESE	083603111TCOR	Higher (960 ft.)	0.345 mi. W (1822 ft.)	SUNKIST	616, ONTARIO, CA 91761
51	HISTCORTESE	36490109COR	Lower (944 ft.)	0.375 mi. WSW (1980 ft.)	SO CAL GAS/ONTARIO MGP	CNR CAMPUS MARTLAND MONTE, ONTARIO, CA 91761
52	HISTCORTESE	083603632TCOR	Higher (970 ft.)	0.392 mi. NE (2070 ft.)	HERTZ RENT A CAR	2060, ONTARIO, CA 91761
55	HISTCORTESE	083600809TCOR	Lower (922 ft.)	0.446 mi. SSW (2355 ft.)	GONZALES AND SONS	844, ONTARIO, CA 92716
56	HISTCORTESE	083603591TCOR	Higher (976 ft.)	0.464 mi. NE (2450 ft.)	BLACK GOLD	1194, ONTARIO, CA 91761
57	HISTCORTESE	083601143TCOR	Higher (980 ft.)	0.467 mi. WNW (2466 ft.)	UNOCAL BULK PLANT #0551	601, ONTARIO, CA 91761
58	HISTCORTESE	083603063TCOR	Higher (999 ft.)	0.484 mi. NW (2556 ft.)	POWER THRUST INC.	124, ONTARIO, CA 91764
1	***HISTUST***	***000298A4***	***Higher (960 ft.)***	***TP***	***BESTILE MFG CO***	***621 S BON VIEW, ONTARIO, CA 91761***
10	***HISTUST***	***000298C2***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 S BON VIEW AVENUE, ONTARIO, CA 91761***

Site Summary By Database

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
15	***HISTUST***	***00029DB7***	***Lower (950 ft.)***	***0.080 mi. SSW (422 ft.)***	***DONS WELDING SERVICE INC***	***854 EAST CALIFORNIA ST, ONTARIO, CA 91761***
17	***HISTUST***	***00029CDB***	***Higher (959 ft.)***	***0.091 mi. W (480 ft.)***	***COLUMBIA PEST CONTROL OF ONTAR***	***622 S HOPE AVE, ONTARIO, CA 91761***
24	***HISTUST***	***0002A26A***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX CONCRETE IN***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***
35	***HISTUST***	***00029DDE***	***Higher (976 ft.)***	***0.182 mi. NNW (961 ft.)***	***E-Z SERVE OF CALIF INC***	***316 S BON VIEW AVE, ONTARIO, CA 91761***
1	HWTS	CAC002647620	Higher (960 ft.)	TP	FLEET RV & BOAT STORAGE	627 S BON VIEW AVE, ONTARIO, CA 91761
1	HWTS	CAC002822991	Higher (960 ft.)	TP	SC FUELS	621 S BON VIEW AVE, ONTARIO, CA 91761
1	HWTS	CAD983608308	Higher (960 ft.)	TP	ABC WINDOW COMPANY, INC.	621 S BON VIEW AVE, ONTARIO, CA 91761
1	HWTS	CAL000411685	Higher (960 ft.)	TP	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761
5	HWTS	CAL000419716	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761
5	HWTS	CAL000437418	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761
3	ICIS	110070097080	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716
2	ICISNPDES	CAZ288884INPDES	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761
3	ICISNPDES	CAW405437INPDES	Lower (947 ft.)	0.014 mi. E (74 ft.)	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761
3	ICISNPDES	CAZ480055INPDES	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716
24	***LUST***	***T0607100140***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***
48	***LUST***	***T0607181149***	***Lower (921 ft.)***	***0.311 mi. E (1642 ft.)***	***AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT***	***2500 E. AIRPORT DRIVE, ONTARIO, CA 91761***
49	***LUST***	***T0607100463***	***Higher (960 ft.)***	***0.345 mi. W (1822 ft.)***	***SUNKIST***	***616 E SUNKIST ST, ONTARIO, CA 91761***
52	***LUST***	***T0607100628***	***Higher (970 ft.)***	***0.392 mi. NE (2070 ft.)***	***HERTZ RENT A CAR***	***2060 E EMPORIA, ONTARIO, CA 91761***
54	***LUST***	***T0607100129***	***Higher (980 ft.)***	***0.428 mi. WNW (2260 ft.)***	***UNOCAL BULK PLANT #0551***	***601 E MAIN ST, ONTARIO, CA 91761***
55	***LUST***	***T0607100088***	***Lower (922 ft.)***	***0.446 mi. SSW (2355 ft.)***	***GONZALES AND SONS***	***844 WOODLAWN ST, ONTARIO, CA 92716***
56	***LUST***	***T0607100616***	***Higher (976 ft.)***	***0.463 mi. NE (2445 ft.)***	***BLACK GOLD***	***1194 E HOLT BLVD, ONTARIO, CA 91761***
58	***LUST***	***T0607100456***	***Higher (999 ft.)***	***0.484 mi. NW (2556 ft.)***	***POWER THRUST INC.***	***124 N CAMPUS AVE, ONTARIO, CA 91764***
26	NFA	36990004	Equal (954 ft.)	0.122 mi. W (644 ft.)	ONTARIO METAL RECYCLING	717 S. TAYLOR AVENUE, ONTARIO, CA 91761

Site Summary By Database

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
2	NPDES	2753670	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761
3	NPDES	946607906	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716
53	PROC	PR0011	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761
61	***RCRAC***	***CAT000622357***	***Higher (982 ft.)***	***0.570 mi. WNW (3010 ft.)***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN STREET, ONTARIO, CA 91761***
1	***RCRAGR09***	***CAD983608308***	***Higher (960 ft.)***	***TP***	***A B C PRODUCTS***	***621 S BON VIEW AVE, ONTARIO, CA 91761***
6	***RCRAGR09***	***CAD983584038***	***Equal (954 ft.)***	***0.024 mi. S (127 ft.)***	***INTER TRACTOR***	***921 E CALOFORNIA, ONTARIO, CA 91761***
7	***RCRAGR09***	***CA0000042242***	***Lower (950 ft.)***	***0.026 mi. W (137 ft.)***	***GLENCO MFG***	***716 S BON VIEW, ONTARIO, CA 91761***
8	***RCRAGR09***	***CAD981657836***	***Lower (950 ft.)***	***0.054 mi. W (285 ft.)***	***GLENCO MANFACTURING CO***	***707 S HOPE AVE, ONTARIO, CA 91761***
10	***RCRAGR09***	***CAD051980191***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY, INC.***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***
26	***RCRAGR09***	***CAD052851078***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***COHEN ISAAC & SON***	***717 S TAYLOR, ONTARIO, CA 91761***
1	***RCRANGR09***	***CAL000411685***	***Higher (960 ft.)***	***TP***	***SHAMROCK PAVING***	***621 S BON VIEW AVE, ONTARIO, CA 91761***
2	***RCRANGR09***	***CAL000324385***	***Equal (954 ft.)***	***0.009 mi. W (48 ft.)***	***FOAM ZONE INC***	***945 E CALIFORNIA ST, ONTARIO, CA 91761***
4	***RCRANGR09***	***CAL000400243***	***Higher (960 ft.)***	***0.026 mi. W (137 ft.)***	***PRIMO'S CYLINDER HEAD INC***	***630 S BON VIEW AVE, ONTARIO, CA 91761***
4	***RCRANGR09***	***CAL000414970***	***Higher (960 ft.)***	***0.026 mi. W (137 ft.)***	***I.E AUTOMOTIVE***	***628 S BON VIEW AVE UNIT B, ONTARIO, CA 91761***
5	***RCRANGR09***	***CAL000419890***	***Lower (947 ft.)***	***0.020 mi. E (106 ft.)***	***ONSITE TRUCK & EQUIPEMENT REPAIR INC***	***1060 ONTARIO BLVD, ONTARIO, CA 91761***
5	***RCRANGR09***	***CAL000437418***	***Lower (947 ft.)***	***0.020 mi. E (106 ft.)***	***ONSITE TRUCK & EQUIPMENT***	***1060 E ONTARIO BLVD, ONTARIO, CA 91761***
8	***RCRANGR09***	***CAL000368332***	***Lower (950 ft.)***	***0.054 mi. W (285 ft.)***	***S & H GLENCO MANUFACTURING LLC***	***707 S HOPE AVE, ONTARIO, CA 91761***
9	***RCRANGR09***	***CAR000240259***	***Lower (947 ft.)***	***0.032 mi. S (169 ft.)***	***GOLD BULL TRANSPORTATION INC***	***1024 CALIFORNIA ST, ONTARIO, CA 91761***
10	***RCRANGR09***	***CAL000357292***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER PRECISION MACHINING LLC***	***724 S BON VIEW AVE, ONTARIO, CA 91761***
10	***RCRANGR09***	***CAL000404983***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***SEAVIEW AGI ACQUISITIONS***	***724 S BON VIEW AVE, ONTARIO, CA 91761***
11	***RCRANGR09***	***CAL000327123***	***Lower (947 ft.)***	***0.044 mi. ENE (232 ft.)***	***KING EQUIPMENT LLC***	***1080 E ONTARIO BLVD, ONTARIO, CA 91761***
11	***RCRANGR09***	***CAL000421481***	***Lower (947 ft.)***	***0.044 mi. ENE (232 ft.)***	***KLEIN PRODUCTS INC***	***1080 E ONTARIO BLVD, ONTARIO, CA 91761***

Site Summary By Database

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
12	***RCRANGR09***	***CAL000341684***	***Lower (947 ft.)***	***0.051 mi. SE (269 ft.)***	***AIRPORT MOBIL INC***	***1046 E CALIFORNIA ST, ONTARIO, CA 91761***
12	***RCRANGR09***	***CAL000378188***	***Lower (947 ft.)***	***0.076 mi. ESE (401 ft.)***	***PW REPAIRS INC***	***1064 E CALIFORNIA ST, ONTARIO, CA 91761***
13	***RCRANGR09***	***CAL000458285***	***Higher (959 ft.)***	***0.054 mi. W (285 ft.)***	***LYNWOOD PATTERN***	***603 S HOPE ST, ONTARIO, CA 91761***
15	***RCRANGR09***	***CAL000401609***	***Lower (950 ft.)***	***0.080 mi. SSW (422 ft.)***	***MEGA TRUCK & TRAILER REPAIR INC***	***854 E CALIFORNIA ST, ONTARIO, CA 91761***
16	***RCRANGR09***	***CAL000440687***	***Lower (947 ft.)***	***0.082 mi. E (433 ft.)***	***PATTON SALES CORP DBA PATTON STEEL QUEEN CITY STEEL***	***1095 E CALIFORNIA ST, ONTARIO, CA 91761***
18	***RCRANGR09***	***CAL000238576***	***Equal (954 ft.)***	***0.093 mi. W (491 ft.)***	***SIERRA TORQUE CONVERTERS & SECONDARY***	***710 S HOPE AVE, ONTARIO, CA 91761***
20	***RCRANGR09***	***CAL000307793***	***Higher (973 ft.)***	***0.094 mi. N (496 ft.)***	***CASTROS TOWING & GENERAL AUTO***	***409 S BON VIEW AVE STE B, ONTARIO, CA 91761***
20	***RCRANGR09***	***CAL000401299***	***Higher (973 ft.)***	***0.094 mi. N (496 ft.)***	***NORMAN'S AUTO REPAIR***	***409 S BON VIEW AVE STE A, ONTARIO, CA 91761***
21	***RCRANGR09***	***CAL000378610***	***Higher (973 ft.)***	***0.108 mi. NNW (570 ft.)***	***MBA AUTO BODY PAINT & COLLISION***	***404 S BON VIEW AVE, ONTARIO, CA 91761***
21	***RCRANGR09***	***CAL000444629***	***Higher (973 ft.)***	***0.107 mi. NNW (565 ft.)***	***ONTARIO AUTO BODY CRAFT & COLLISION***	***406 S BON VIEW AVE, ONTARIO, CA 91761***
21	***RCRANGR09***	***CAL000445481***	***Higher (973 ft.)***	***0.116 mi. NNW (612 ft.)***	***HOLT AUTOBODY AND PAINT***	***402 S BON VIEW AVE, ONTARIO, CA 91761***
21	***RCRANGR09***	***CAP000148379***	***Higher (973 ft.)***	***0.098 mi. NNW (517 ft.)***	***WESTERN TECHNOLOGY ASSOCIATES***	***418 SOUTH BON VIEW AVE, ONTARIO, CA 91716***
23	***RCRANGR09***	***CAL000277999***	***Higher (972 ft.)***	***0.118 mi. NW (623 ft.)***	***D & M METALS***	***840 E STATE ST, ONTARIO, CA 91761***
25	***RCRANGR09***	***CAC003001133***	***Equal (954 ft.)***	***0.120 mi. W (634 ft.)***	***HARRIE COHEN***	***635 TAYLOR AVENUE, ONTARIO, CA 91761***
10	REF	36350005	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPANY	724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761
10	REF	71002447	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MFG. CO., INC.	724 S. BON VIEW AVENUE, ONTARIO, CA 91761
29	REF	36500005	Higher (972 ft.)	0.148 mi. NW (781 ft.)	D & M METALS, INC	824 EAST STATE STREET, ONTARIO, CA 91761
49	REF	36200001	Higher (960 ft.)	0.345 mi. W (1822 ft.)	SUNKIST GROWERS	616 EAST SUNKIST STREET, ONTARIO, CA 91761
50	REF	36000010	Higher (995 ft.)	0.348 mi. NW (1837 ft.)	CRUZ PROPERTY	757 E. EMPORIA STREET, ONTARIO, CA 91761
1	SBFD	FA0000193	Higher (960 ft.)	TP	ABC WINDOW CO., INC	621 S BON VIEW AVE, ONTARIO, CA 91761
2	SBFD	FA0011197	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC.	945 E CALIFORNIA ST, ONTARIO, CA 91761

Site Summary By Database

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
3	SBFD	FA0018276	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE, INC.	1075 E CALIFORNIA ST, ONTARIO, CA 91761
4	SBFD	FA0003475	Higher (960 ft.)	0.017 mi. W (90 ft.)	GLENCO MANUFACTURING COMPANY	716 S BON VIEW AVE, ONTARIO, CA 91761
8	SBFD	FA0012997	Lower (950 ft.)	0.054 mi. W (285 ft.)	S&H GLENCO MANUFACTURING, LLC	707 S HOPE AVE, ONTARIO, CA 91761
10	SBFD	FA0000815	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER PRECISION MACHINING, LLC	724 S BON VIEW AVE, ONTARIO, CA 91761
11	SBFD	FA0015636	Lower (947 ft.)	0.044 mi. ENE (232 ft.)	KING EQUIPMENT	1080 E ONTARIO BLVD, ONTARIO, CA 91761
11	SBFD	FA0017585	Lower (947 ft.)	0.044 mi. ENE (232 ft.)	KLEIN PRODUCTS, INC.	1080 ONTARIO BLVD, ONTARIO, CA 91761
12	SBFD	FA0014964	Lower (947 ft.)	0.051 mi. SE (269 ft.)	AIRPORT MOBIL TOWING	1046 E CALIFORNIA, ONTARIO, CA 91761
12	SBFD	FA0015695	Lower (947 ft.)	0.076 mi. ESE (401 ft.)	PW REPAIRS	1064 E CALIFORNIA ST, ONTARIO, CA 91761
13	SBFD	FA0000874	Higher (959 ft.)	0.059 mi. W (312 ft.)	ALUM-ALLOY COMPANY INC	603 S HOPE AVE, ONTARIO, CA 91761
14	SBFD	FA0009883	Lower (950 ft.)	0.071 mi. S (375 ft.)	VACANT PROPERTY	902 CALIFORNIA ST, ONTARIO, CA 91761
15	SBFD	FA0010871	Lower (950 ft.)	0.084 mi. SW (444 ft.)	INDUSTRIAL EQUIPMENT REPAIR	854 E CALIFORNIA, ONTARIO, CA 91761
15	SBFD	FA0015633	Lower (950 ft.)	0.080 mi. SSW (422 ft.)	MEGA TRUCK & TRAILER REPAIR	854 E CALIFORNIA ST, ONTARIO, CA 91761
17	SBFD	FA0002442	Higher (959 ft.)	0.093 mi. W (491 ft.)	COLUMBIA PEST CTRL OF ONT	622 S HOPE AVE, ONTARIO, CA 91761
17	SBFD	FA0008444	Higher (959 ft.)	0.093 mi. W (491 ft.)	CAPITAL IRON	602 S HOPE AVE, ONTARIO, CA 91761
18	SBFD	FA0006182	Equal (954 ft.)	0.093 mi. W (491 ft.)	SIERRA TORQUE CONVERTER & SECONDARY	710 HOPE AVE, ONTARIO, CA 91761
19	SBFD	FA0003447	Higher (959 ft.)	0.093 mi. W (491 ft.)	GENERAL OUTDOOR ADVERTISING	632 S HOPE AVE, ONTARIO, CA 91761
20	SBFD	FA0010009	Higher (973 ft.)	0.095 mi. N (502 ft.)	TARAHUMARA AUTO REPAIR	409 S BON VIEW AVE B, ONTARIO, CA 91761
20	SBFD	FA0010543	Higher (973 ft.)	0.095 mi. N (502 ft.)	CASTRO'S TOWING & GENERAL AUTO	409 S BON VIEW STE B, ONTARIO, CA 91761
20	SBFD	FA0010682	Higher (973 ft.)	0.095 mi. N (502 ft.)	A-1 AUTOMOTIVE REPAIR	409 S BON VIEW STE A, ONTARIO, CA 91761
20	SBFD	FA0015725	Higher (973 ft.)	0.097 mi. N (512 ft.)	NORMAN'S AUTO REPAIR	409 S BON VIEW AVE A, ONTARIO, CA 91761
21	SBFD	FA0005597	Higher (973 ft.)	0.095 mi. NNW (502 ft.)	MEDINA'S AUTO BODY	422 S BON VIEW AVE, ONTARIO, CA 91761

Site Summary By Database

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
21	SBFD	FA0007479	Higher (973 ft.)	0.108 mi. NNW (570 ft.)	GENERAL AUTO	402 S BON VIEW AVE, ONTARIO, CA 91761
21	SBFD	FA0009801	Higher (973 ft.)	0.108 mi. NNW (570 ft.)	FRANCO AUTO REPAIR	412 S BON VIEW AVE, ONTARIO, CA 91761
21	SBFD	FA0012953	Higher (973 ft.)	0.116 mi. NNW (612 ft.)	RSR AUTO REPAIR AND BODY SHOP	402 S BON VIEW, ONTARIO, CA 91761
21	SBFD	FA0012954	Higher (973 ft.)	0.108 mi. NNW (570 ft.)	MBA AUTO BODY PAINT & COLLISION	404 S BON VIEW, ONTARIO, CA 91761
21	SBFD	FA0018148	Higher (973 ft.)	0.107 mi. NNW (565 ft.)	ONTARIO AUTO BODY	406 S BONVIEW, ONTARIO, CA 91761
23	SBFD	FA0002601	Higher (972 ft.)	0.118 mi. NW (623 ft.)	D & M METALS	840 E STATE ST, ONTARIO, CA 91761
24	SBFD	FA0004754	Lower (937 ft.)	0.140 mi. SE (739 ft.)	HOLLIDAY ROCK - ONTARIO	840 S CUCAMONGA AVE, ONTARIO, CA 91762
25	SBFD	FA0015841	Equal (954 ft.)	0.120 mi. W (634 ft.)	ONTARIO PROPERTY	635 S TAYLOR AVE, ONTARIO, CA 91761
27	SBFD	FA0009440	Equal (954 ft.)	0.126 mi. WSW (665 ft.)	J & J INDUSTRIAL SERVICES	820 E CALIFORNIA ST, ONTARIO, CA 91761
28	SBFD	FA0004270	Lower (937 ft.)	0.136 mi. SE (718 ft.)	KLEIN PRODUCTS, INC.	816 S CUCAMONGA AVE, ONTARIO, CA 91761
28	SBFD	FA0017179	Lower (937 ft.)	0.136 mi. SE (718 ft.)	NICKOLAS STEEL, INC.	816 S CUCAMONGA AVE, ONTARIO, CA 91761
30	SBFD	FA0005157	Higher (972 ft.)	0.141 mi. WNW (744 ft.)	PACIFIC AUTO WRECKING	802 E ONTARIO BLVD, ONTARIO, CA 91761
31	SBFD	FA0001756	Lower (948 ft.)	0.147 mi. E (776 ft.)	CAN-AM AUTO SALVAGE INC	1101 E CALIFORNIA ST, ONTARIO, CA 91761
31	SBFD	FA0008266	Lower (948 ft.)	0.147 mi. E (776 ft.)	A & A USED AUTO PARTS	1101 E CALIFORNIA ST STE A, ONTARIO, CA 91761
31	SBFD	FA0013419	Lower (948 ft.)	0.147 mi. E (776 ft.)	BIG THREE AUTO DISMANTLING INC	1101 E CALIFORNIA ST UNIT B, ONTARIO, CA 91761
33	SBFD	FA0007508	Equal (954 ft.)	0.175 mi. WSW (924 ft.)	PREFERRED POOLS	758 E CALIFORNIA, ONTARIO, CA 91762
33	SBFD	FA0014731	Equal (954 ft.)	0.175 mi. WSW (924 ft.)	WATERWAYS POOLS	758 E CALIFORNIA, ONTARIO, CA 91762
34	SBFD	FA0004524	Higher (976 ft.)	0.180 mi. N (950 ft.)	M & M MACHINERY	810 E MAIN ST, ONTARIO, CA 91761
34	SBFD	FA0006284	Higher (976 ft.)	0.180 mi. N (950 ft.)	ICL PERFORMANCE PRODUCTS LP	810 E MAIN ST, ONTARIO, CA 91761
35	SBFD	FA0006185	Higher (976 ft.)	0.182 mi. NNW (961 ft.)	SIGMA CORPORATION	316 S BON VIEW AVE, ONTARIO, CA 91761
36	SBFD	FA0013371	Lower (948 ft.)	0.184 mi. E (972 ft.)	CAN AM AUTO SALVAGE INC	1125 E CALIFORNIA ST, ONTARIO, CA 91761

Site Summary By Database

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
37	SBFD	FA0017686	Higher (979 ft.)	0.195 mi. NNW (1030 ft.)	JC HORIZON LTD.	825 E STATE ST, ONTARIO, CA 91761
38	SBFD	FA0009214	Lower (950 ft.)	0.199 mi. W (1051 ft.)	AW COULTER TRUCKING	737 E CALIFORNIA ST, ONTARIO, CA 91761
39	SBFD	FA0012686	Lower (950 ft.)	0.207 mi. W (1093 ft.)	ALTA ADVANCED TECHNOLOGIES INC	760 E SUNKIST ST, ONTARIO, CA 91761
39	SBFD	FA0017830	Lower (950 ft.)	0.207 mi. W (1093 ft.)	VITCO DISTRIBUTORS	715 E CALIFORNIA ST, ONTARIO, CA 91761
40	SBFD	FA0004638	Higher (973 ft.)	0.219 mi. WNW (1156 ft.)	VERIZON BUSINESS: ONTRCA	756 E STATE ST, ONTARIO, CA 91761
40	SBFD	FA0008162	Higher (973 ft.)	0.237 mi. WNW (1251 ft.)	BAUSMAN & COMPANY	745 E STATE ST, ONTARIO, CA 91761
41	SBFD	FA0015686	Lower (931 ft.)	0.224 mi. ESE (1183 ft.)	HEREWEGO LLC DBA PIRTEK INLAND VALLEY	909 S CUCAMONGA AVE STE 101, ONTARIO, CA 91761
42	SBFD	FA0013260	Higher (981 ft.)	0.226 mi. NW (1193 ft.)	AG CONSTRUCTION	807 E STATE ST, ONTARIO, CA 91761
43	SBFD	FA0007696	Lower (926 ft.)	0.226 mi. S (1193 ft.)	LEGACY SUPPLY CHAIN SERVICES	1000 S CUCAMONGA AVE, ONTARIO, CA 91761
44	SBFD	FA0005935	Higher (955 ft.)	0.229 mi. ENE (1209 ft.)	SAXON BROS EQUIPMENT	1128 E STATE ST, ONTARIO, CA 91761
45	SBFD	FA0015185	Higher (961 ft.)	0.243 mi. W (1283 ft.)	SUMMERS BROTHERS INC.	720 E SUNKIST ST STE 103, ONTARIO, CA 91761
46	SBFD	FA0003932	Lower (950 ft.)	0.244 mi. W (1288 ft.)	BLACK HILLS ONTARIO LLC	705 E CALIFORNIA ST, ONTARIO, CA 91761
22	SBMW	431820152	Lower (942 ft.)	0.113 mi. S (597 ft.)	WEST END SHELTER	1010 E MISSION BL, ONTARIO, CA 91761
47	***SEMS***	***CAN000903310***	***Higher (970 ft.)***	***0.261 mi. NE (1378 ft.)***	***CERTIFIED TOWING ABANDONED DRUMS***	***1135 E. STATE STREET, ONTARIO, CA 91761***
10	***SEMSARCH***	***CAD051980191***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MFG CO***	***724 S BON VIEW AVE, ONTARIO, CA 91761***
26	***SEMSARCH***	***CAD052851078***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***COHEN ISAAC & SON INC***	***717 S TAYLOR, ONTARIO, CA 91761***
29	***SEMSARCH***	***CAD982360067***	***Higher (972 ft.)***	***0.148 mi. NW (781 ft.)***	***D&M METALS INC***	***824 E STATE ST, ONTARIO, CA 91761***
49	***SEMSARCH***	***CAD008514051***	***Higher (960 ft.)***	***0.345 mi. W (1822 ft.)***	***SUNKIST GROWERS***	***616 E SUNKIST ST, ONTARIO, CA 91761***
10	SLIC	8-8 - 187	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER	724 S BON VIEW AVE, ONTARIO, CA
10	SLIC	SL208413896	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPANY INC	724 BON VIEW, ONTARIO, CA 91761
10	***SWEEPS***	***A36-000-52961***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 S BON VIEW AVE, ONTARIO, CA 91761***
15	***SWEEPS***	***A36-000-19685***	***Lower (950 ft.)***	***0.080 mi. SSW (422 ft.)***	***DON'S WELDING SERVICE INC.***	***854 E CALIFORNIA ST, ONTARIO, CA 91761***

Site Summary By Database

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
17	***SWEEPS***	***A36-000-40489***	***Higher (959 ft.)***	***0.091 mi. W (480 ft.)***	***COLUMBIA PEST CONTROL OF ONTAR***	***622 S HOPE AVE, ONTARIO, CA 91761***
24	***SWEEPS***	***A36-000-12855***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX CONCRETE, IN***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***
35	***SWEEPS***	***A36-000-13365***	***Higher (976 ft.)***	***0.182 mi. NNW (961 ft.)***	***E-Z SERVE OF CALIF., INC.***	***316 S BON VIEW AVE, ONTARIO, CA 91761***
23	SWRCY	RC194495.001	Higher (972 ft.)	0.118 mi. NW (623 ft.)	D & M METALS	840 E STATE ST, ONTARIO, CA 91761
23	SWRCY	RC4663	Higher (972 ft.)	0.140 mi. NW (739 ft.)	D AND M METALS	840 E STATE ST, ONTARIO, CA 91761
53	SWRCY	PR0011	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761
53	SWRCY	RC0070	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761
54	SWRCY	RC11004	Higher (980 ft.)	0.427 mi. WNW (2255 ft.)	MAIN STREET FIBERS INC	653 E MAIN ST, ONTARIO, CA 91761
24	***USTCUPA***	***3255466561***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***HOLLIDAY ROCK - ONTARIO***	***840 S. CUCAMONGA AVE., ONTARIO, CA 91762***
26	***VCP***	***36990004***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ONTARIO METAL RECYCLING***	***717 S. TAYLOR AVENUE, ONTARIO, CA 91761***
51	***VCP***	***36490109***	***Lower (944 ft.)***	***0.375 mi. WSW (1980 ft.)***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***

Elevation Summary

Elevations are collected from the USGS 3D Elevation Program 1/3 arc-second (approximately 10 meters) layer hosted at the NGTOC. .

Target Property Elevation: 954 ft.

*NOTE: Standard environmental records are displayed in **bold**.*

EQUAL/HIGHER ELEVATION

Map ID#	Database Name	Elevation	Site Name	Address	Page #
1	ECHOR09	960 ft.	A B C PRODUCTS	621 S BON VIEW AVE, ONTARIO, CA 91761	46
1	ECHOR09	960 ft.	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761	47
1	FRSCA	960 ft.	A B C PRODUCTS	621 S BON VIEW AVE, ONTARIO, CA 91761	48
1	FRSCA	960 ft.	ABC WINDOW COMPANY	621 S BON VIEW AVE, ONTARIO, CA 91761	49
1	FRSCA	960 ft.	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761	50
1	***HISTUST***	***960 ft.***	***BESTILE MFG CO***	***621 S BON VIEW, ONTARIO, CA 91761***	***51***
1	HWTS	960 ft.	FLEET RV & BOAT STORAGE	627 S BON VIEW AVE, ONTARIO, CA 91761	53
1	HWTS	960 ft.	SC FUELS	621 S BON VIEW AVE, ONTARIO, CA 91761	55
1	HWTS	960 ft.	ABC WINDOW COMPANY, INC.	621 S BON VIEW AVE, ONTARIO, CA 91761	56
1	HWTS	960 ft.	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761	64
1	***RCRAGR09***	***960 ft.***	***A B C PRODUCTS***	***621 S BON VIEW AVE, ONTARIO, CA 91761***	***66***
1	***RCRANGR09***	***960 ft.***	***SHAMROCK PAVING***	***621 S BON VIEW AVE, ONTARIO, CA 91761***	***68***
1	SBFD	960 ft.	ABC WINDOW CO., INC	621 S BON VIEW AVE, ONTARIO, CA 91761	70
2	ECHOR09	954 ft.	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	71
2	FRSCA	954 ft.	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	72
2	ICISNPDES	954 ft.	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	73
2	NPDES	954 ft.	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	75
2	***RCRANGR09***	***954 ft.***	***FOAM ZONE INC***	***945 E CALIFORNIA ST, ONTARIO, CA 91761***	***76***
2	SBFD	954 ft.	FOAM ZONE INC.	945 E CALIFORNIA ST, ONTARIO, CA 91761	78
4	***RCRANGR09***	***960 ft.***	***PRIMO'S CYLINDER HEAD INC***	***630 S BON VIEW AVE, ONTARIO, CA 91761***	***92***
4	***RCRANGR09***	***960 ft.***	***I.E AUTOMOTIVE***	***628 S BON VIEW AVE UNIT B, ONTARIO, CA 91761***	***94***
4	SBFD	960 ft.	GLENCO MANUFACTURING COMPANY	716 S BON VIEW AVE, ONTARIO, CA 91761	96
6	***RCRAGR09***	***954 ft.***	***INTER TRACTOR***	***921 E CALOFORNIA, ONTARIO, CA 91761***	***108***

Elevation Summary

Map ID#	Database Name	Elevation	Site Name	Address	Page #
13	***RCRANGR09***	***959 ft.***	***LYNWOOD PATTERN***	***603 S HOPE ST, ONTARIO, CA 91761***	***167***
13	SBFD	959 ft.	ALUM-ALLOY COMPANY INC	603 S HOPE AVE, ONTARIO, CA 91761	169
17	***HISTUST***	***959 ft.***	***COLUMBIA PEST CONTROL OF ONTAR***	***622 S HOPE AVE, ONTARIO, CA 91761***	***180***
17	SBFD	959 ft.	COLUMBIA PEST CTRL OF ONT	622 S HOPE AVE, ONTARIO, CA 91761	181
17	SBFD	959 ft.	CAPITAL IRON	602 S HOPE AVE, ONTARIO, CA 91761	182
17	***SWEEPS***	***959 ft.***	***COLUMBIA PEST CONTROL OF ONTAR***	***622 S HOPE AVE, ONTARIO, CA 91761***	***183***
18	***RCRANGR09***	***954 ft.***	***SIERRA TORQUE CONVERTERS & SECONDARY***	***710 S HOPE AVE, ONTARIO, CA 91761***	***184***
18	SBFD	954 ft.	SIERRA TORQUE CONVERTER & SECONDARY	710 HOPE AVE, ONTARIO, CA 91761	186
19	SBFD	959 ft.	GENERAL OUTDOOR ADVERTISING	632 S HOPE AVE, ONTARIO, CA 91761	188
20	***RCRANGR09***	***973 ft.***	***CASTROS TOWING & GENERAL AUTO***	***409 S BON VIEW AVE STE B, ONTARIO, CA 91761***	***189***
20	***RCRANGR09***	***973 ft.***	***NORMAN'S AUTO REPAIR***	***409 S BON VIEW AVE STE A, ONTARIO, CA 91761***	***191***
20	SBFD	973 ft.	TARAHUMARA AUTO REPAIR	409 S BON VIEW AVE B, ONTARIO, CA 91761	193
20	SBFD	973 ft.	CASTRO'S TOWING & GENERAL AUTO	409 S BON VIEW STE B, ONTARIO, CA 91761	194
20	SBFD	973 ft.	A-1 AUTOMOTIVE REPAIR	409 S BON VIEW STE A, ONTARIO, CA 91761	195
20	SBFD	973 ft.	NORMAN'S AUTO REPAIR	409 S BON VIEW AVE A, ONTARIO, CA 91761	196
21	***RCRANGR09***	***973 ft.***	***MBA AUTO BODY PAINT & COLLISION***	***404 S BON VIEW AVE, ONTARIO, CA 91761***	***197***
21	***RCRANGR09***	***973 ft.***	***ONTARIO AUTO BODY CRAFT & COLLISION***	***406 S BON VIEW AVE, ONTARIO, CA 91761***	***199***
21	***RCRANGR09***	***973 ft.***	***HOLT AUTOBODY AND PAINT***	***402 S BON VIEW AVE, ONTARIO, CA 91761***	***201***
21	***RCRANGR09***	***973 ft.***	***WESTERN TECHNOLOGY ASSOCIATES***	***418 SOUTH BON VIEW AVE, ONTARIO, CA 91716***	***203***
21	SBFD	973 ft.	MEDINA'S AUTO BODY	422 S BON VIEW AVE, ONTARIO, CA 91761	205
21	SBFD	973 ft.	GENERAL AUTO	402 S BON VIEW AVE, ONTARIO, CA 91761	206
21	SBFD	973 ft.	FRANCO AUTO REPAIR	412 S BON VIEW AVE, ONTARIO, CA 91761	207
21	SBFD	973 ft.	RSR AUTO REPAIR AND BODY SHOP	402 S BON VIEW, ONTARIO, CA 91761	208
21	SBFD	973 ft.	MBA AUTO BODY PAINT & COLLISION	404 S BON VIEW, ONTARIO, CA 91761	209
21	SBFD	973 ft.	ONTARIO AUTO BODY	406 S BONVIEW, ONTARIO, CA 91761	210
23	***ABST***	***972 ft.***	***D & M METALS***	***840 E STATE ST, ONTARIO, CA 91761***	***212***
23	***RCRANGR09***	***972 ft.***	***D & M METALS***	***840 E STATE ST, ONTARIO, CA 91761***	***221***
23	SBFD	972 ft.	D & M METALS	840 E STATE ST, ONTARIO, CA 91761	223
23	SWRCY	972 ft.	D & M METALS	840 E STATE ST, ONTARIO, CA 91761	225
23	SWRCY	972 ft.	D AND M METALS	840 E STATE ST, ONTARIO, CA 91761	226

Elevation Summary

Map ID#	Database Name	Elevation	Site Name	Address	Page #
25	***RCRANGR09***	***954 ft.***	***HARRIE COHEN***	***635 TAYLOR AVENUE, ONTARIO, CA 91761***	***238***
25	SBFD	954 ft.	ONTARIO PROPERTY	635 S TAYLOR AVE, ONTARIO, CA 91761	240
26	***CALSITES***	***954 ft.***	***ISAAC COHEN AND SON INC***	***717 SOUTH TAYLOR AVENUE, ONTARIO, CA 91761***	***241***
26	***ENVIROSTOR***	***954 ft.***	***ISAAC COHEN AND SON INC***	***717 SOUTH TAYLOR AVENUE, ONTARIO, CA 91761***	***242***
26	***ENVIROSTOR***	***954 ft.***	***ONTARIO METAL RECYCLING***	***717 S. TAYLOR AVENUE, ONTARIO, CA 91761***	***243***
26	NFA	954 ft.	ONTARIO METAL RECYCLING	717 S. TAYLOR AVENUE, ONTARIO, CA 91761	244
26	***RCRAGR09***	***954 ft.***	***COHEN ISAAC & SON***	***717 S TAYLOR, ONTARIO, CA 91761***	***245***
26	***SEMSARCH***	***954 ft.***	***COHEN ISAAC & SON INC***	***717 S TAYLOR, ONTARIO, CA 91761***	***247***
26	***VCP***	***954 ft.***	***ONTARIO METAL RECYCLING***	***717 S. TAYLOR AVENUE, ONTARIO, CA 91761***	***248***
27	SBFD	954 ft.	J & J INDUSTRIAL SERVICES	820 E CALIFORNIA ST, ONTARIO, CA 91761	249
29	***CALSITES***	***972 ft.***	***D & M METALS, INC***	***824 EAST STATE STREET, ONTARIO, CA 91761***	***252***
29	***ENVIROSTOR***	***972 ft.***	***D & M METALS, INC***	***824 EAST STATE STREET, ONTARIO, CA 91761***	***253***
29	REF	972 ft.	D & M METALS, INC	824 EAST STATE STREET, ONTARIO, CA 91761	254
29	***SEMSARCH***	***972 ft.***	***D&M METALS INC***	***824 E STATE ST, ONTARIO, CA 91761***	***255***
30	SBFD	972 ft.	PACIFIC AUTO WRECKING	802 E ONTARIO BLVD, ONTARIO, CA 91761	256
33	SBFD	954 ft.	PREFERRED POOLS	758 E CALIFORNIA, ONTARIO, CA 91762	261
33	SBFD	954 ft.	WATERWAYS POOLS	758 E CALIFORNIA, ONTARIO, CA 91762	262
34	SBFD	976 ft.	M & M MACHINERY	810 E MAIN ST, ONTARIO, CA 91761	263
34	SBFD	976 ft.	ICL PERFORMANCE PRODUCTS LP	810 E MAIN ST, ONTARIO, CA 91761	264
35	***HISTUST***	***976 ft.***	***E-Z SERVE OF CALIF INC***	***316 S BON VIEW AVE, ONTARIO, CA 91761***	***265***
35	SBFD	976 ft.	SIGMA CORPORATION	316 S BON VIEW AVE, ONTARIO, CA 91761	268
35	***SWEEPS***	***976 ft.***	***E-Z SERVE OF CALIF., INC.***	***316 S BON VIEW AVE, ONTARIO, CA 91761***	***269***
37	SBFD	979 ft.	JC HORIZON LTD.	825 E STATE ST, ONTARIO, CA 91761	271
40	SBFD	973 ft.	VERIZON BUSINESS: ONTRCA	756 E STATE ST, ONTARIO, CA 91761	276
40	SBFD	973 ft.	BAUSMAN & COMPANY	745 E STATE ST, ONTARIO, CA 91761	277
42	SBFD	981 ft.	AG CONSTRUCTION	807 E STATE ST, ONTARIO, CA 91761	279
44	SBFD	955 ft.	SAXON BROS EQUIPMENT	1128 E STATE ST, ONTARIO, CA 91761	288
45	SBFD	961 ft.	SUMMERS BROTHERS INC.	720 E SUNKIST ST STE 103, ONTARIO, CA 91761	289
47	***SEMS***	***970 ft.***	***CERTIFIED TOWING ABANDONED DRUMS***	***1135 E. STATE STREET, ONTARIO, CA 91761***	***292***
49	***CALSITES***	***960 ft.***	***SUNKIST GROWERS***	***616 EAST SUNKIST STREET, ONTARIO, CA 91761***	***305***
49	***CLEANUPSITES***	***960 ft.***	***SUNKIST***	***616 E SUNKIST ST, ONTARIO, CA 91761***	***306***

Elevation Summary

Map ID#	Database Name	Elevation	Site Name	Address	Page #
49	***ENVIROSTOR***	***960 ft.***	***SUNKIST GROWERS***	***616 EAST SUNKIST STREET, ONTARIO, CA 91761***	***307***
49	HISTCORTESE	960 ft.	SUNKIST	616, ONTARIO, CA 91761	308
49	***LUST***	***960 ft.***	***SUNKIST***	***616 E SUNKIST ST, ONTARIO, CA 91761***	***309***
49	REF	960 ft.	SUNKIST GROWERS	616 EAST SUNKIST STREET, ONTARIO, CA 91761	310
49	***SEMSARCH***	***960 ft.***	***SUNKIST GROWERS***	***616 E SUNKIST ST, ONTARIO, CA 91761***	***311***
50	***ENVIROSTOR***	***995 ft.***	***CRUZ PROPERTY***	***757 E. EMPORIA STREET, ONTARIO, CA 91761***	***312***
50	REF	995 ft.	CRUZ PROPERTY	757 E. EMPORIA STREET, ONTARIO, CA 91761	313
52	***CLEANUPSITES***	***970 ft.***	***HERTZ RENT A CAR***	***2060 E EMPORIA, ONTARIO, CA 91761***	***318***
52	HISTCORTESE	970 ft.	HERTZ RENT A CAR	2060, ONTARIO, CA 91761	319
52	***LUST***	***970 ft.***	***HERTZ RENT A CAR***	***2060 E EMPORIA, ONTARIO, CA 91761***	***320***
53	DROP	980 ft.	MAIN STREET FIBERS	608 E MAIN ST, ONTARIO, CA 91761	321
53	PROC	980 ft.	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761	322
53	SWRCY	980 ft.	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761	323
53	SWRCY	980 ft.	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761	324
54	***CLEANUPSITES***	***980 ft.***	***UNOCAL BULK PLANT #0551***	***601 E MAIN ST, ONTARIO, CA 91761***	***325***
54	***LUST***	***980 ft.***	***UNOCAL BULK PLANT #0551***	***601 E MAIN ST, ONTARIO, CA 91761***	***326***
54	SWRCY	980 ft.	MAIN STREET FIBERS INC	653 E MAIN ST, ONTARIO, CA 91761	327
56	***CLEANUPSITES***	***976 ft.***	***BLACK GOLD***	***1194 E HOLT BLVD, ONTARIO, CA 91761***	***332***
56	HISTCORTESE	976 ft.	BLACK GOLD	1194, ONTARIO, CA 91761	334
56	***LUST***	***976 ft.***	***BLACK GOLD***	***1194 E HOLT BLVD, ONTARIO, CA 91761***	***335***
57	HISTCORTESE	980 ft.	UNOCAL BULK PLANT #0551	601, ONTARIO, CA 91761	336
58	***CLEANUPSITES***	***999 ft.***	***POWER THRUST INC.***	***124 N CAMPUS AVE, ONTARIO, CA 91764***	***337***
58	HISTCORTESE	999 ft.	POWER THRUST INC.	124, ONTARIO, CA 91764	339
58	***LUST***	***999 ft.***	***POWER THRUST INC.***	***124 N CAMPUS AVE, ONTARIO, CA 91764***	***340***
61	***ENVIROSTOR***	***982 ft.***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN ST, ONTARIO, CA 91761***	***346***
61	***ENVIROSTORPCA***	***982 ft.***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN ST, ONTARIO, CA 91761***	***347***
61	***RCRAC***	***982 ft.***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN STREET, ONTARIO, CA 91761***	***349***
62	***ENVIROSTOR***	***996 ft.***	***TERRA VISTA CLEANERS***	***213 W HOLT AVE., ONTARIO, CA 91762***	***356***
62	***ENVIROSTOR***	***996 ft.***	***ELITE CLEANERS***	***213 W HOLT AVE., ONTARIO, CA 91762***	***357***

LOWER ELEVATION

Map ID#	Database Name	Elevation	Site Name	Address	Page #
3	ECHOR09	947 ft.	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761	80
3	ECHOR09	947 ft.	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	81

Elevation Summary

Map ID#	Database Name	Elevation	Site Name	Address	Page #
3	FRSCA	947 ft.	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761	82
3	FRSCA	947 ft.	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	83
3	ICIS	947 ft.	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	84
3	ICISNPDES	947 ft.	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761	85
3	ICISNPDES	947 ft.	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	87
3	NPDES	947 ft.	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	90
3	SBFD	947 ft.	UNIVERSAL CORE, INC.	1075 E CALIFORNIA ST, ONTARIO, CA 91761	91
5	ECHOR09	947 ft.	ONSITE TRUCK & EQUIPEMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761	97
5	ECHOR09	947 ft.	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761	98
5	FRSCA	947 ft.	ONSITE TRUCK & EQUIPEMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761	99
5	FRSCA	947 ft.	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761	100
5	HWTS	947 ft.	ONSITE TRUCK & EQUIPMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761	101
5	HWTS	947 ft.	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761	103
5	***RCRANGR09***	***947 ft.***	***ONSITE TRUCK & EQUIPEMENT REPAIR INC***	***1060 ONTARIO BLVD, ONTARIO, CA 91761***	***104***
5	***RCRANGR09***	***947 ft.***	***ONSITE TRUCK & EQUIPMENT***	***1060 E ONTARIO BLVD, ONTARIO, CA 91761***	***106***
7	***RCRAGR09***	***950 ft.***	***GLENCO MFG***	***716 S BON VIEW, ONTARIO, CA 91761***	***109***
8	***RCRAGR09***	***950 ft.***	***GLENCO MANFACTURING CO***	***707 S HOPE AVE, ONTARIO, CA 91761***	***110***
8	***RCRANGR09***	***950 ft.***	***S & H GLENCO MANUFACTURING LLC***	***707 S HOPE AVE, ONTARIO, CA 91761***	***112***
8	SBFD	950 ft.	S&H GLENCO MANUFACTURING, LLC	707 S HOPE AVE, ONTARIO, CA 91761	114
9	***RCRANGR09***	***947 ft.***	***GOLD BULL TRANSPORTATION INC***	***1024 CALIFORNIA ST, ONTARIO, CA 91761***	***116***
10	***ABST***	***950 ft.***	***ALGER PRECISION MACHINING, LLC***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***118***
10	***CALSITES***	***950 ft.***	***ALGER MANUFACTURING COMPANY***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***	***127***
10	***CLEANUPSITES***	***950 ft.***	***ALGER MANUFACTURING COMPANY INC***	***724 BON VIEW, ONTARIO, CA 91761***	***128***
10	***ENVIROSTOR***	***950 ft.***	***ALGER MANUFACTURING COMPANY***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***	***133***
10	***ENVIROSTOR***	***950 ft.***	***ALGER MFG. CO., INC.***	***724 S. BON VIEW AVENUE, ONTARIO, CA 91761***	***134***
10	HISTCORTESE	950 ft.	ALGER MANUFACTURING COMPA	724 BON VIEW, ONTARIO, CA 91761	135
10	***HISTUST***	***950 ft.***	***ALGER MANUFACTURING COMPANY***	***724 S BON VIEW AVENUE, ONTARIO, CA 91761***	***136***

Elevation Summary

Map ID#	Database Name	Elevation	Site Name	Address	Page #
10	***RCRAGR09***	***950 ft.***	***ALGER MANUFACTURING COMPANY, INC.***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***	***138***
10	***RCRANGR09***	***950 ft.***	***ALGER PRECISION MACHINING LLC***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***140***
10	***RCRANGR09***	***950 ft.***	***SEAVIEW AGI ACQUISITIONS***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***142***
10	REF	950 ft.	ALGER MANUFACTURING COMPANY	724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761	144
10	REF	950 ft.	ALGER MFG. CO., INC.	724 S. BON VIEW AVENUE, ONTARIO, CA 91761	145
10	SBFD	950 ft.	ALGER PRECISION MACHINING, LLC	724 S BON VIEW AVE, ONTARIO, CA 91761	146
10	***SEMSARCH***	***950 ft.***	***ALGER MFG CO***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***149***
10	SLIC	950 ft.	ALGER	724 S BON VIEW AVE, ONTARIO, CA	150
10	SLIC	950 ft.	ALGER MANUFACTURING COMPANY INC	724 BON VIEW, ONTARIO, CA 91761	151
10	***SWEEPS***	***950 ft.***	***ALGER MANUFACTURING COMPANY***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***152***
11	***RCRANGR09***	***947 ft.***	***KING EQUIPMENT LLC***	***1080 E ONTARIO BLVD, ONTARIO, CA 91761***	***153***
11	***RCRANGR09***	***947 ft.***	***KLEIN PRODUCTS INC***	***1080 E ONTARIO BLVD, ONTARIO, CA 91761***	***155***
11	SBFD	947 ft.	KING EQUIPMENT	1080 E ONTARIO BLVD, ONTARIO, CA 91761	157
11	SBFD	947 ft.	KLEIN PRODUCTS, INC.	1080 ONTARIO BLVD, ONTARIO, CA 91761	158
12	CLEANER	947 ft.	PW REPAIR'S INC	1064 E CALIFORNIA ST, ONTARIO, CA 91761	159
12	***RCRANGR09***	***947 ft.***	***AIRPORT MOBIL INC***	***1046 E CALIFORNIA ST, ONTARIO, CA 91761***	***160***
12	***RCRANGR09***	***947 ft.***	***PW REPAIRS INC***	***1064 E CALIFORNIA ST, ONTARIO, CA 91761***	***162***
12	SBFD	947 ft.	AIRPORT MOBIL TOWING	1046 E CALIFORNIA, ONTARIO, CA 91761	164
12	SBFD	947 ft.	PW REPAIRS	1064 E CALIFORNIA ST, ONTARIO, CA 91761	166
14	SBFD	950 ft.	VACANT PROPERTY	902 CALIFORNIA ST, ONTARIO, CA 91761	170
15	***HISTUST***	***950 ft.***	***DONS WELDING SERVICE INC***	***854 EAST CALIFORNIA ST, ONTARIO, CA 91761***	***171***
15	***RCRANGR09***	***950 ft.***	***MEGA TRUCK & TRAILER REPAIR INC***	***854 E CALIFORNIA ST, ONTARIO, CA 91761***	***172***
15	SBFD	950 ft.	INDUSTRIAL EQUIPMENT REPAIR	854 E CALIFORNIA, ONTARIO, CA 91761	174
15	SBFD	950 ft.	MEGA TRUCK & TRAILER REPAIR	854 E CALIFORNIA ST, ONTARIO, CA 91761	175
15	***SWEEPS***	***950 ft.***	***DON'S WELDING SERVICE INC.***	***854 E CALIFORNIA ST, ONTARIO, CA 91761***	***177***
16	***RCRANGR09***	***947 ft.***	***PATTON SALES CORP DBA PATTON STEEL QUEEN CITY STEEL***	***1095 E CALIFORNIA ST, ONTARIO, CA 91761***	***178***

Elevation Summary

Map ID#	Database Name	Elevation	Site Name	Address	Page #
22	SBMW	942 ft.	WEST END SHELTER	1010 E MISSION BL, ONTARIO, CA 91761	211
24	***CLEANUPSITES***	***937 ft.***	***MISSION READY MIX***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***227***
24	HISTCORTESE	937 ft.	MISSION READY MIX	840 CUCAAMONGA, ONTARIO, CA 91761	229
24	***HISTUST***	***937 ft.***	***MISSION READY MIX CONCRETE IN***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***230***
24	***LUST***	***937 ft.***	***MISSION READY MIX***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***232***
24	SBFD	937 ft.	HOLLIDAY ROCK - ONTARIO	840 S CUCAMONGA AVE, ONTARIO, CA 91762	233
24	***SWEEPS***	***937 ft.***	***MISSION READY MIX CONCRETE, IN***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***236***
24	***USTCUPA***	***937 ft.***	***HOLLIDAY ROCK - ONTARIO***	***840 S. CUCAMONGA AVE., ONTARIO, CA 91762***	***237***
28	SBFD	937 ft.	KLEIN PRODUCTS, INC.	816 S CUCAMONGA AVE, ONTARIO, CA 91761	250
28	SBFD	937 ft.	NICKOLAS STEEL, INC.	816 S CUCAMONGA AVE, ONTARIO, CA 91761	251
31	SBFD	948 ft.	CAN-AM AUTO SALVAGE INC	1101 E CALIFORNIA ST, ONTARIO, CA 91761	257
31	SBFD	948 ft.	A & A USED AUTO PARTS	1101 E CALIFORNIA ST STE A, ONTARIO, CA 91761	258
31	SBFD	948 ft.	BIG THREE AUTO DISMANTLING INC	1101 E CALIFORNIA ST UNIT B, ONTARIO, CA 91761	259
32	HISTCORTESE	937 ft.	ONTARIO OMS #1.	905 CUCAAMONGA, ONTARIO, CA 91761	260
36	SBFD	948 ft.	CAN AM AUTO SALVAGE INC	1125 E CALIFORNIA ST, ONTARIO, CA 91761	270
38	SBFD	950 ft.	AW COULTER TRUCKING	737 E CALIFORNIA ST, ONTARIO, CA 91761	272
39	SBFD	950 ft.	ALTA ADVANCED TECHNOLOGIES INC	760 E SUNKIST ST, ONTARIO, CA 91761	273
39	SBFD	950 ft.	VITCO DISTRIBUTORS	715 E CALIFORNIA ST, ONTARIO, CA 91761	275
41	SBFD	931 ft.	HEREWEGO LLC DBA PIRTEK INLAND VALLEY	909 S CUCAMONGA AVE STE 101, ONTARIO, CA 91761	278
43	***ABST***	***926 ft.***	***LEGACY SUPPLY CHAIN SERVICES***	***1000 S CUCAMONGA AVE, ONTARIO, CA 91761***	***280***
43	SBFD	926 ft.	LEGACY SUPPLY CHAIN SERVICES	1000 S CUCAMONGA AVE, ONTARIO, CA 91761	285
46	SBFD	950 ft.	BLACK HILLS ONTARIO LLC	705 E CALIFORNIA ST, ONTARIO, CA 91761	291
48	***CLEANUPSITES***	***921 ft.***	***NORTHROP***	***ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA***	***293***
48	***CLEANUPSITES***	***921 ft.***	***DOUGLAS AIRCRAFT CO***	***ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA***	***295***
48	***CLEANUPSITES***	***921 ft.***	***CALIFORNIA AIR NATIONAL GUARD***	***ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA***	***297***
48	***CLEANUPSITES***	***921 ft.***	***AEROJET GENERAL CORPORATION***	***ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA***	***299***

Elevation Summary

Map ID#	Database Name	Elevation	Site Name	Address	Page #
48	***CLEANUPSITES***	***921 ft.***	***AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT***	***2500 E. AIRPORT DRIVE, ONTARIO, CA 91761***	***301***
48	HISTCORTESE	921 ft.	LOCKHEED AIRCRAFT SERVICE	2411 ONTARIO AIRPORT, ONTARIO, CA 91764	303
48	***LUST***	***921 ft.***	***AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT***	***2500 E. AIRPORT DRIVE, ONTARIO, CA 91761***	***304***
51	***CALSITES***	***944 ft.***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***	***314***
51	***ENVIROSTOR***	***944 ft.***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***	***315***
51	HISTCORTESE	944 ft.	SO CAL GAS/ONTARIO MGP	CNR CAMPUS MARTLAND MONTE, ONTARIO, CA 91761	316
51	***VCP***	***944 ft.***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***	***317***
55	***CLEANUPSITES***	***922 ft.***	***GONZALES AND SONS***	***844 WOODLAWN ST, ONTARIO, CA 92716***	***328***
55	HISTCORTESE	922 ft.	GONZALES AND SONS	844, ONTARIO, CA 92716	330
55	***LUST***	***922 ft.***	***GONZALES AND SONS***	***844 WOODLAWN ST, ONTARIO, CA 92716***	***331***
59	***ENVIROSTOR***	***915 ft.***	***OAKWOOD INTERIORS SITE***	***1333 S BON VIEW AVE, ONTARIO, CA 91761***	***341***
60	FUDS	916 ft.	ONTARIO ARMY AIRFIELD	SAN BERNARDINO COUNTY, ONTARIO, CA 91761	342

Enforcement and Compliance History Information (ECHOR09)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

UNIQUE ID: **110002862796**
REGISTRY ID: **110002862796**
NAME: **A B C PRODUCTS**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Enforcement and Compliance History Information (ECHOR09)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

UNIQUE ID: **110070420757**
REGISTRY ID: **110070420757**
NAME: **SHAMROCK PAVING**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

REGISTRY ID: **110002862796**

NAME: **A B C PRODUCTS**

LOCATION ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:

ABC WINDOW COMPANY, LLC.

A B C PRODUCTS

PROGRAM/S LISTED FOR THIS FACILITY

RCRAINFO - RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

HWTS-DATAMART - HAZARDOUS WASTE TRACKING SYSTEM - DATAMART

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)

NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)

332321 - METAL WINDOW AND DOOR MANUFACTURING.

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

REGISTRY ID: **110058212508**

NAME: **ABC WINDOW COMPANY**

LOCATION ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
***DEFINITION NOT PROVIDED BY REPORTING AGENCY**

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
3089 - PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
326199 - ALL OTHER PLASTICS PRODUCT MANUFACTURING.

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Facility Registry System (FRSCA)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

REGISTRY ID: **110070420757**

NAME: **SHAMROCK PAVING**

LOCATION ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
RCRAINFO - RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
NO NAICS DATA REPORTED

Back to Report Summary

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

BESTILE MFG CO, 621 S BON VIEW, ONTARIO, CA 91761
UNIQUE ID: **000298A4**

*** Cu8 ***

PAGE 83 — STATE WATER RESOURCES CONTROL BOARD — 06/01/88

HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY

CONTAINER TYPES: 1,2,3,4,5

(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
AFCO INDUSTRIES INC.
PO BOX X DIBOLL TX 75941

II FACILITY

	MAILING ADDRESS	DEALER/FOREMAN/SUPERVISOR	TYPE OF BUSINESS
BESTILE MFG CO	TOWNSHIP/RANGE/SECTION	TELEPHONE	NO. OF CONTAINERS
621 S BON VIEW			
ONTARIO CA 91761	PO BOX 3370	RICK RAMIREZ SUPV.	MFG.
	ONTARIO CA 91761		
CROSS STREET : SUNKIST		(714) 984-2751	3

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: RAMIREZ,RICK (714) 984-2751 NIGHT: RAMIREZ,RICK (714) 984-1385

********** OWNER ASSIGNED CONTAINER NUMBER: NO 2 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000003283001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: BUEHLER /
C. YEAR INSTALLED : UNK
D. CAPACITY (GALLONS) : 4,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING :
C. REPAIRS : UNKN IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
SOLVENTS

*** 008 ***

PAGE 84 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: VEHICL FUE ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000003283002 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG:
C. YEAR INSTALLED : UNK
D. CAPACITY (GALLONS) : 500
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: PREMIUM

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING :
C. REPAIRS : UNKN IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12033 PREMIUM MOTOR VEHICLE FUEL

********** OWNER ASSIGNED CONTAINER NUMBER: 3 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000003283003 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: BUEHLER
C. YEAR INSTALLED : 1960
D. CAPACITY (GALLONS) : 2,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING :
C. REPAIRS : UNKN IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
SOLVENTS

Back to Report Summary

Hazardous Waste Tanner Summary (HWTS)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

SITE INFORMATION

EPA ID: **CAC002647620**
NAME: **FLEET RV & BOAT STORAGE**
COUNTY: **NOT REPORTED**
ADDRESS: **627 S BON VIEW AVE**
ONTARIO, CA 91761-1912
FACILITY LINK: *Department of Toxic Substances Control*

CONTACT INFORMATION

CONTACT: **THOMAS GIBSON**
PHONE: **(909) 988-2800**
ADDRESS: **627 S BON VIEW AVE**
ONTARIO CA 91761-1912

MANIFEST SUMMARY INFORMATION

YEAR: **2010**
TSD ID: **CAD097030993**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **2.2935**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2010**
TSD ID: **CAD097030993**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1000**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2010**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **1.1468**
DISPOSAL METHOD: **NOT REPORTED**

YEAR: **2010**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **22.5389**
DISPOSAL METHOD: **OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT**

YEAR: **2009**
TSD ID: **CAD097030993**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**

Hazardous Waste Tanner Summary (HWTS)

WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **2.2935**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2009**
TSD ID: **CAD097030993**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1000**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2009**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **1.1468**
DISPOSAL METHOD: **NOT REPORTED**

YEAR: **2009**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **22.5389**
DISPOSAL METHOD: **OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT**

Back to Report Summary

Hazardous Waste Tanner Summary (HWTS)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

SITE INFORMATION

EPA ID: **CAC002822991**
NAME: **SC FUELS**
COUNTY: **SAN BERNARDINO**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761-1912
FACILITY LINK: *Department of Toxic Substances Control*

CONTACT INFORMATION

CONTACT: **MIKE BURNS**
PHONE: **714-949-4946**
ADDRESS: **6825 ROSECRANS AVE**
PARAMOUNT CA 907232536

MANIFEST SUMMARY INFORMATION

YEAR: **2015**
TSD ID: **CAD028409019**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.2085**
DISPOSAL METHOD: **DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)**

Back to Report Summary

Hazardous Waste Tanner Summary (HWTS)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

SITE INFORMATION

EPA ID: **CAD983608308**
NAME: **ABC WINDOW COMPANY, INC.**
COUNTY: **NOT REPORTED**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761
FACILITY LINK: *Department of Toxic Substances Control*

CONTACT INFORMATION

CONTACT: **JAMIE LEIGH**
PHONE: **(909)391-6491**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO CA 91761

MANIFEST SUMMARY INFORMATION

YEAR: **2007**
TSD ID: **ARD981057870**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.5400**
DISPOSAL METHOD: **FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE**

YEAR: **2007**
TSD ID: **ARD981057870**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2000**
DISPOSAL METHOD: **FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE**

YEAR: **2007**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **1.0000**
DISPOSAL METHOD: **LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)**

YEAR: **2006**
TSD ID: **ARD981057870**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.8000**
DISPOSAL METHOD: **NOT REPORTED**

YEAR: **2006**
TSD ID: **AZR000030452**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.2000**

DISPOSAL METHOD: **NOT REPORTED**

YEAR: **2006**
TSD ID: **CAD028409019**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1100**
DISPOSAL METHOD: **METALS RECOVERY INCLUDING RETORING,SMELTING,CHEMICALS,ECT**

YEAR: **2006**
TSD ID: **CAD028409019**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1100**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **DISPOSAL, LAND FILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **LANDFILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1600**
DISPOSAL METHOD: **DISPOSAL, LAND FILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1600**
DISPOSAL METHOD: **LANDFILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**

DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2000**
DISPOSAL METHOD: **DISPOSAL, LAND FILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2000**
DISPOSAL METHOD: **LANDFILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.3000**
DISPOSAL METHOD: **DISPOSAL, LAND FILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.3000**
DISPOSAL METHOD: **LANDFILL**

YEAR: **2005**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.4100**
DISPOSAL METHOD: **RECYCLER**

YEAR: **2005**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **3.9500**
DISPOSAL METHOD: **DISPOSAL, LANDFILL**

YEAR: **2003**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED SOLVENT MIXTURE**
AMOUNT DISPOSED(TONS): **0.0400**
DISPOSAL METHOD: **RECYCLER**

Hazardous Waste Tanner Summary (HWTS)

YEAR: **2003**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.0600**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **2003**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**
AMOUNT DISPOSED(TONS): **0.8300**
DISPOSAL METHOD: **RECYCLER**

YEAR: **2003**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **1.1600**
DISPOSAL METHOD: **RECYCLER**

YEAR: **2003**
TSD ID: **CAT080033681**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED AQUEOUS SOLUTION**
AMOUNT DISPOSED(TONS): **0.2200**
DISPOSAL METHOD: **DISPOSAL, LANDFILL**

YEAR: **2003**
TSD ID: **CAT080033681**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **DISPOSAL, LANDFILL**

YEAR: **2003**
TSD ID: **CAT080033681**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1700**
DISPOSAL METHOD: **RECYCLER**

YEAR: **2000**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**

WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **1999**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.4250**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1999**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**
AMOUNT DISPOSED(TONS): **0.2293**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1999**
TSD ID: **CAD982444481**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **1999**
TSD ID: **CAD982444481**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2500**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1998**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1000**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1998**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**
AMOUNT DISPOSED(TONS): **0.6880**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1998**

Hazardous Waste Tanner Summary (HWTS)

TSD ID: **CAD982444481**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2250**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **1997**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.2500**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1997**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**
AMOUNT DISPOSED(TONS): **0.4500**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1997**
TSD ID: **CAD982444481**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1000**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1997**
TSD ID: **CAD982444481**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.8000**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1996**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1250**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1996**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**

AMOUNT DISPOSED(TONS): **0.0500**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1996**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.4000**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1996**
TSD ID: **CAD982444481**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2000**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1996**
TSD ID: **CAT080022148**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2625**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **1995**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.3000**
DISPOSAL METHOD: **BLANK**

YEAR: **1995**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.7000**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1995**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.5250**
DISPOSAL METHOD: **TREATMENT, INCINERATION**

YEAR: **1994**
TSD ID: **CAD008252405**

Hazardous Waste Tanner Summary (HWTS)

GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1994**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **TREATMENT, INCINERATION**

YEAR: **1993**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED SOLVENT MIXTURE**
AMOUNT DISPOSED(TONS): **0.3125**
DISPOSAL METHOD: **RECYCLER**

Back to Report Summary

Hazardous Waste Tanner Summary (HWTS)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

SITE INFORMATION

EPA ID: **CAL000411685**
NAME: **SHAMROCK PAVING**
COUNTY: **SAN BERNARDINO**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761
FACILITY LINK: *Department of Toxic Substances Control*

CONTACT INFORMATION

CONTACT: **ERNIE VASQUEZ**
PHONE: **951-232-3653**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO CA 917610000

MANIFEST SUMMARY INFORMATION

YEAR: **2017**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **1.1259**
DISPOSAL METHOD: **STORAGE**

YEAR: **2017**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **LATEX WASTE**
AMOUNT DISPOSED(TONS): **0.89655**
DISPOSAL METHOD: **STORAGE**

YEAR: **2017**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.68805**
DISPOSAL METHOD: **STORAGE**

YEAR: **2017**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **1.4**
DISPOSAL METHOD: **STORAGE**

YEAR: **2016**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **NOT REPORTED**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.075**
DISPOSAL METHOD: **OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS**

Hazardous Waste Tanner Summary (HWTS)

RECOVERY ECT

YEAR: **2016**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **NOT REPORTED**
WASTE CATEGORY: **LATEX WASTE**
AMOUNT DISPOSED(TONS): **4.98315**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2016**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **NOT REPORTED**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **1.25**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2016**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **NOT REPORTED**
WASTE CATEGORY: **WASTE OIL AND MIXED OIL**
AMOUNT DISPOSED(TONS): **1.045**
DISPOSAL METHOD: **OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT**

Back to Report Summary

Resource Conservation & Recovery Act - Generator (RCRAGR09)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAD983608308**
NAME: **A B C PRODUCTS**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761
CONTACT NAME: **JIM KELTNER**
CONTACT ADDRESS: **621 S BON VIEW AVE**
ONTARIO CA 91761
CONTACT PHONE: **714-391-6491**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **09/24/1991**
CERTIFICATION **- NO CERTIFICATION REPORTED -**
INDUSTRY CLASSIFICATION (NAICS)
332321 - METAL WINDOW AND DOOR MANUFACTURING

OWNER TYPE: **PRIVATE**
OWNER NAME: **WHITEY HAGLER**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME:

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **06/27/2002**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT
NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000411685**
NAME: **SHAMROCK PAVING**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761
CONTACT NAME: **ERNIE VASQUEZ**
CONTACT ADDRESS: **621 S BON VIEW AVE**
ONTARIO CA 91761-0000
CONTACT PHONE: **951-232-3653**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **10/28/2015**

OWNER TYPE: **OTHER**
OWNER NAME: **SHAMROCK GROUP INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **ERNIE VASQUEZ**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
23571 - CONCRETE CONTRACTORS

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0000193**
NAME: **ABC WINDOW CO., INC**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **ABC WINDOW CO, INC.**

PERMIT DETAILS

PERMIT #: **PT0007614**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/09**
PERMIT #: **PT0007613**
PERMIT DESCRIPTION: **HAZMAT HANDLER- 100+ EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/09**

Back to Report Summary

Enforcement and Compliance History Information (ECHOR09)

MAP ID# 2

Distance from Property: 0.009 mi. (48 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

UNIQUE ID: **110065139781**
REGISTRY ID: **110065139781**
NAME: **FOAM ZONE INC**
ADDRESS: **945 E CALIFORNIA ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 2

Distance from Property: 0.009 mi. (48 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

REGISTRY ID: **110065139781**

NAME: **FOAM ZONE INC**

LOCATION ADDRESS: **945 E CALIFORNIA ST**
ONTARIO, CA 91761-1918

COUNTY: **SAN BERNARDINO**

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:

FOAM ZONE INC.

PROGRAM/S LISTED FOR THIS FACILITY

CA-ENVIROVIEW - CA-ENVIROVIEW

NPDES - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

RCRAINFO - RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)

3089 - PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)

32615 - URETHANE AND OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MANUFACTURING

32615 - URETHANE AND OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MANUFACTURING

Back to Report Summary

Integrated Compliance Information System National Pollutant Discharge Elimination System (ICISNPDES)

MAP ID# 2

Distance from Property: 0.009 mi. (48 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

GEOSEARCH ID: **CAZ288884INPDES**
NPDES ID: **CAZ288884** FACILITY #: **110065139781**
NAME: **FOAM ZONE INC**
PHYSICAL ADDRESS: **945 E CALIFORNIA ST**
ONTARIO CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY TYPE: **PRIVATELY OWNED FACILITY**
IMPAIRED WATERS: **NOT REPORTED**

STANDARD INDUSTRIAL CLASSIFICATION

3089-PLASTICS PRODUCTS

PERMITS

FACILITY TYPE INDICATOR: **NON-POTABLE WATER**
PERMIT TYPE: **GENERAL PERMIT COVERED FACILITY**
MAJOR MINOR FACILITY: **MINOR DISCHARGER**
PERMIT STATUS: **EFFECTIVE**
WATER BODY: **NOT REPORTED**
PERMIT NAME: **FOAM ZONE INC**
AGENCY TYPE: **STATE**
ORIGINAL ISSUE DATE: **7/1/2015**
ISSUE DATE: **7/1/2015**
ISSUING AGENCY: **CA WATERBOARDS**
EFFECTIVE DATE: **7/1/2015**
EXPIRATION DATE: **6/30/2020**
RETIREMENT DATE: **NOT REPORTED**
TERMINATION DATE: **NOT REPORTED**
PERMIT COMPLIANCE STATUS: **YES**
PERMIT SUBJECT TO DMR RUN: **NOT REPORTED**
REPORTABLE NONCOMPLIANCE TRACKING IS ON: **YES**

INSPECTIONS

- NO INSPECTIONS REPORTED -

HISTORIC COMPLIANCE

- NO HISTORIC COMPLIANCE REPORTED -

SINGLE EVENT VIOLATIONS

- NO SINGLE EVENT VIOLATIONS REPORTED -

FORMAL ENFORCEMENT ACTIONS

- NO FORMAL ENFORCEMENT ACTIONS REPORTED -

EFFLUENT VIOLATIONS

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

Back to Report Summary

National Pollutant Discharge Elimination System Facilities (NPDES)

MAP ID# 2

Distance from Property: 0.009 mi. (48 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

GEOSEARCH ID: **2753670**
REGULATORY MEASURE ID:
NAME:
ADDRESS:
,
COUNTY:
REGION:

FACILITY DETAILS

PROGRAM:
REGULATORY MEASURE STATUS:
REGULATORY MEASURE TYPE:
ORDER NO:
WDID:
NPDES NO:
ADOPTION DATE:
EFFECTIVE DATE:
EXPIRATION DATE:
TERMINATION DATE:

DISCHARGER INFORMATION

NAME:
DISCHARGER ADDRESS:

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 2

Distance from Property: 0.009 mi. (48 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

EPA ID#: **CAL000324385**
NAME: **FOAM ZONE INC**
ADDRESS: **945 E CALIFORNIA ST**
ONTARIO, CA 91761-1918
CONTACT NAME: **GARY ARNETT**
CONTACT ADDRESS: **945 E CALIFORNIA ST**
ONTARIO CA 91761-1918
CONTACT PHONE: **909-984-0902**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **08/31/2007**

OWNER TYPE: **OTHER**
OWNER NAME: **GARY ARNETT**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **GARY ARNETT**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/05/2018**

INDUSTRY CLASSIFICATION (NAICS)

32615 - URETHANE AND OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MANUFACTURING
42193 - RECYCLABLE MATERIAL WHOLESALERS

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/05/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 2

Distance from Property: 0.009 mi. (48 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID#: **FA0011197**
NAME: **FOAM ZONE INC.**
ADDRESS: **945 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **GARY ARNETT**

PERMIT DETAILS

PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0019613**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0019613**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0028932**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**
PERMIT #: **PT0019614**

PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/13**
PERMIT #: **PT0019613**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **09/30/13**
PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/13**

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Enforcement and Compliance History Information (ECHOR09)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

UNIQUE ID: **110070084832**
REGISTRY ID: **110070084832**
NAME: **JANUARY TRANSPORT INC**
ADDRESS: **1075 E. CALIFORNIA ST.**
ONTARIO, CA 91761
COUNTY: **NOT REPORTED**
FACILITY LINK: *Facility Detail Report*

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Enforcement and Compliance History Information (ECHOR09)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

UNIQUE ID: **110070097080**
REGISTRY ID: **110070097080**
NAME: **UNIVERSAL CORE INC**
ADDRESS: **1075 EAST CALIFORNIA STREET**
ONTARIO, CA 91716
COUNTY: **NOT REPORTED**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

REGISTRY ID: **110070084832**

NAME: **JANUARY TRANSPORT INC**

LOCATION ADDRESS: **1075 E. CALIFORNIA ST.**
ONTARIO, CA 91761

COUNTY:

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
NPDES - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
NO NAICS DATA REPORTED

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

REGISTRY ID: **110070097080**

NAME: **UNIVERSAL CORE INC**

LOCATION ADDRESS: **1075 EAST CALIFORNIA STREET**
ONTARIO, CA 91716

COUNTY:

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
NPDES - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
NO NAICS DATA REPORTED

Back to Report Summary

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

SITE INFORMATION

GEOSEARCH ID: **110070097080**
REGISTRY ID: **110070097080**
NAME: **UNIVERSAL CORE INC**
ADDRESS: **1075 EAST CALIFORNIA STREET**
ONTARIO CA 91716
STANDARD INDUSTRIAL CLASSIFICATION: **SPECIAL WAREHOUSING AND STORAGE, NOT ELSEWHERE CLASSIFIED**

REGIONAL DOCKETS

- NO REGIONAL DOCKETS REPORTED

RELATED ACTIVITIES

- NO RELATED ACTIVITIES REPORTED

VIOLATIONS

- NO VIOLATIONS REPORTED

CASE IDENTIFIER

CASE NUMBER: **CA-ZIEA428703**
FISCAL YEAR: **NOT REPORTED**
CASE NAME: **UNIVERSAL CORE INC 8 36NEC002711 VERBAL COMMUNICATION**
ACTIVITY TYPE: **ADMINISTRATIVE - INFORMAL**
ACTIVITY STATUS: **ACHIEVED**
ACTIVITY STATUS DATE: **10/5/2017**
LEAD: **STATE**
CASE STATUS DATE: **10/5/2017**
DOJ DOCKET NUMBER: **NOT REPORTED**
ENFORCEMENT OUTCOME: **NOT REPORTED**
MULTIMEDIA FLAG: **NOT REPORTED**
ENFORCEMENT SUMMARY:
NOT REPORTED

CASE PROGRAMS

- NO CASE PROGRAMS REPORTED

ENFORCEMENT TYPE

ENFORCEMENT TYPE: **PHONE CALL/ EMAIL**

POLLUTANTS CITED

- NO POLLUTION CITED REPORTED

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Integrated Compliance Information System National Pollutant Discharge Elimination System (ICISNPDES)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **CAW405437INPDES**
NPDES ID: **CAW405437** FACILITY #: **110070084832**
NAME: **JANUARY TRANSPORT INC**
PHYSICAL ADDRESS: **1075 E. CALIFORNIA ST.**
ONTARIO CA 91761
COUNTY: **NOT REPORTED**
FACILITY TYPE: **NOT REPORTED**
IMPAIRED WATERS: **NOT REPORTED**

STANDARD INDUSTRIAL CLASSIFICATION

- NOT REPORTED -

PERMITS

FACILITY TYPE INDICATOR: **NOT REPORTED**
PERMIT TYPE: **UNPERMITTED FACILITY**
MAJOR MINOR FACILITY: **UNPERMITTED FACILITIES**
PERMIT STATUS: **NOT REPORTED**
WATER BODY: **NOT REPORTED**
PERMIT NAME: **NOT REPORTED**
AGENCY TYPE: **OTH**
ORIGINAL ISSUE DATE: **NOT REPORTED**
ISSUE DATE: **NOT REPORTED**
ISSUING AGENCY: **NOT REPORTED**
EFFECTIVE DATE: **NOT REPORTED**
EXPIRATION DATE: **NOT REPORTED**
RETIREMENT DATE: **NOT REPORTED**
TERMINATION DATE: **NOT REPORTED**
PERMIT COMPLIANCE STATUS: **NOT REPORTED**
PERMIT SUBJECT TO DMR RUN: **NOT REPORTED**
REPORTABLE NONCOMPLIANCE TRACKING IS ON: **YES**

INSPECTIONS

- NO INSPECTIONS REPORTED -

HISTORIC COMPLIANCE

- NO HISTORIC COMPLIANCE REPORTED -

SINGLE EVENT VIOLATIONS

- NO SINGLE EVENT VIOLATIONS REPORTED -

FORMAL ENFORCEMENT ACTIONS

- NO FORMAL ENFORCEMENT ACTIONS REPORTED -

EFFLUENT VIOLATIONS

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

Integrated Compliance Information System National Pollutant Discharge Elimination System (ICISNPDES)

- NOT REPORTED -

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Integrated Compliance Information System National Pollutant Discharge Elimination System (ICISNPDES)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **CAZ480055INPDES**
NPDES ID: **CAZ480055** FACILITY #: **110070097080**
NAME: **UNIVERSAL CORE INC**
PHYSICAL ADDRESS: **1075 EAST CALIFORNIA STREET**
ONTARIO CA 91716
COUNTY: **NOT REPORTED**
FACILITY TYPE: **PRIVATELY OWNED FACILITY**
IMPAIRED WATERS: **NOT REPORTED**

STANDARD INDUSTRIAL CLASSIFICATION

4226-SPECIAL WAREHOUSING AND STORAGE

PERMITS

FACILITY TYPE INDICATOR: **NON-POTABLE WATER**
PERMIT TYPE: **GENERAL PERMIT COVERED FACILITY**
MAJOR MINOR FACILITY: **MINOR DISCHARGER**
PERMIT STATUS: **TERMINATED**
WATER BODY: **NOT REPORTED**
PERMIT NAME: **UNIVERSAL CORE INC**
AGENCY TYPE: **STATE**
ORIGINAL ISSUE DATE: **11/14/2016**
ISSUE DATE: **11/14/2016**
ISSUING AGENCY: **CA WATERBOARDS**
EFFECTIVE DATE: **11/14/2016**
EXPIRATION DATE: **6/30/2020**
RETIREMENT DATE: **NOT REPORTED**
TERMINATION DATE: **10/18/2017**
PERMIT COMPLIANCE STATUS: **YES**
PERMIT SUBJECT TO DMR RUN: **NOT REPORTED**
REPORTABLE NONCOMPLIANCE TRACKING IS ON: **YES**

INSPECTIONS

- NO INSPECTIONS REPORTED -

HISTORIC COMPLIANCE

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20201**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20194**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**

NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20193**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20192**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20191**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20184**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20183**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20182**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20181**

HISTORIC NON-COMPLIANCE: **V**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

SINGLE EVENT VIOLATIONS

VIOLATION ID: **3633236044**
VIOLATION TYPE: **S**
VIOLATION: **WW STORM WATER NON-CONSTRUCTION - CWA A 308 FAILURE TO SUBMIT REQUIRED PERMIT APPLICATION INFO**
VIOLATION DATE: **10/2/2017**
BEGIN DATE: **NOT REPORTED**
END DATE: **NOT REPORTED**
RNC DETECTION: **NOT REPORTED**
RNC DETECTION DATE: **NOT REPORTED**
RNC RESOLUTION: **NOT REPORTED**
RNC RESOLUTION DATE: **NOT REPORTED**
VIOLATION COMMENT: **DISCHARGER FAILED TO RECERTIFY THE NEC BY OCTOBER 1, 2017**

FORMAL ENFORCEMENT ACTIONS

- NO FORMAL ENFORCEMENT ACTIONS REPORTED -

EFFLUENT VIOLATIONS

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

Back to Report Summary

National Pollutant Discharge Elimination System Facilities (NPDES)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **946607906**
REGULATORY MEASURE ID: **480055**
NAME: **UNIVERSAL CORE INC**
ADDRESS: **1075 EAST CALIFORNIA STREET**
ONTARIO, CA 91716
COUNTY: **SAN BERNARDINO**
REGION: **8 - SANTA ANA REGIONAL WATER QUALITY CONTROL BOARD, LOCATED IN RIVERSIDE.**

FACILITY DETAILS

PROGRAM: **INDUSTRIAL**
REGULATORY MEASURE STATUS: **TERMINATED**
REGULATORY MEASURE TYPE: **ENROLLEE**
ORDER NO: **97-03-DWQ**
WDID: **8 36NEC002711**
NPDES NO: **CAS000001**
ADOPTION DATE: **NOT REPORTED**
EFFECTIVE DATE: **11/14/2016**
EXPIRATION DATE: **NOT REPORTED**
TERMINATION DATE: **10/18/2017**

DISCHARGER INFORMATION

NAME: **UNIVERSAL CORE INC**
DISCHARGER ADDRESS: **1075 EAST CALIFORNIA STREET**
ONTARIO CALIFORNIA 91716

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0018276**
NAME: **UNIVERSAL CORE, INC.**
ADDRESS: **1075 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **MARIO PONCE**

PERMIT DETAILS

PERMIT #: **PT0039505**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/21**
PERMIT #: **PT0039505**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/20**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 4

Distance from Property: 0.026 mi. (137 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000400243**
NAME: **PRIMO'S CYLINDER HEAD INC**
ADDRESS: **630 S BON VIEW AVE**
ONTARIO, CA 91761
CONTACT NAME: **ISRAEL CASTANEDA**
CONTACT ADDRESS: **630 S BON VIEW AVE**
ONTARIO CA 91761
CONTACT PHONE: **909-986-6433**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **09/08/2014**

OWNER TYPE: **OTHER**
OWNER NAME: **PRIMO'S CYLINDER HEAD INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **ISRAEL CASTANEDA**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
56299 - ALL OTHER WASTE MANAGEMENT SERVICES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 4

Distance from Property: 0.026 mi. (137 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000414970**
NAME: **I.E AUTOMOTIVE**
ADDRESS: **628 S BON VIEW AVE UNIT B**
ONTARIO, CA 91761-1911
CONTACT NAME: **RICARDO JIMENEZ LOPEZ**
CONTACT ADDRESS: **628 S BON VIEW AVE UNIT B**
ONTARIO CA 91761-1911
CONTACT PHONE: **909-537-4789**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **03/09/2016**

OWNER TYPE: **OTHER**
OWNER NAME: **RICARDO JIMENEZ LOPEZ**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **RICARDO JIMENEZ LOPEZ**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 4

Distance from Property: 0.017 mi. (90 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0003475**
NAME: **GLENCO MANUFACTURING COMPANY**
ADDRESS: **716 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **GLENCO MANUFACTURING COMPANY**

PERMIT DETAILS

PERMIT #: **PT0007338**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/10**
PERMIT #: **PT0007339**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/10**

Back to Report Summary

Enforcement and Compliance History Information (ECHOR09)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

UNIQUE ID: **110070423611**
REGISTRY ID: **110070423611**
NAME: **ONSITE TRUCK & EQUIPEMENT REPAIR INC**
ADDRESS: **1060 ONTARIO BLVD**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Enforcement and Compliance History Information (ECHOR09)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

UNIQUE ID: **110070484971**
REGISTRY ID: **110070484971**
NAME: **ONSITE TRUCK & EQUIPMENT**
ADDRESS: **1060 E ONTARIO BLVD**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

REGISTRY ID: **110070423611**

NAME: **ONSITE TRUCK & EQUIPEMENT REPAIR INC**

LOCATION ADDRESS: **1060 ONTARIO BLVD**
ONTARIO, CA 91761-2026

COUNTY: **SAN BERNARDINO**

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
RCRAINFO - RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR.

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

REGISTRY ID: **110070484971**

NAME: **ONSITE TRUCK & EQUIPMENT**

LOCATION ADDRESS: **1060 E ONTARIO BLVD**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
RCRAINFO - RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR.

Back to Report Summary

Hazardous Waste Tanner Summary (HWTS)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

SITE INFORMATION

EPA ID: **CAL000419716**
NAME: **ONSITE TRUCK & EQUIPMENT REPAIR INC**
COUNTY: **SAN BERNARDINO**
ADDRESS: **1060 ONTARIO BLVD**
ONTARIO, CA 91761-2026
FACILITY LINK: *Department of Toxic Substances Control*

CONTACT INFORMATION

CONTACT: **SHEREE URIBE**
PHONE: **951-588-8000**
ADDRESS: **1060 ONTARIO BLVD**
ONTARIO CA 917612026

MANIFEST SUMMARY INFORMATION

YEAR: **2019**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**
AMOUNT DISPOSED(TONS): **0.25000**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2019**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.12500**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2019**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.15000**
DISPOSAL METHOD: **NOT REPORTED**

YEAR: **2018**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.12500**
DISPOSAL METHOD: **NOT REPORTED**

YEAR: **2018**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**

AMOUNT DISPOSED(TONS): **0.95000**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2018**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.12500**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2016**
TSD ID: **AZR000501510**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **NOT REPORTED**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.15**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2016**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **NOT REPORTED**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.2085**
DISPOSAL METHOD: **OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT**

Back to Report Summary

Hazardous Waste Tanner Summary (HWTS)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

SITE INFORMATION

EPA ID: **CAL000437418**
NAME: **ONSITE TRUCK & EQUIPMENT**
COUNTY: **SAN BERNARDINO**
ADDRESS: **1060 E ONTARIO BLVD**
ONTARIO, CA 91761
FACILITY LINK: *Department of Toxic Substances Control*

CONTACT INFORMATION

CONTACT: **SEAN WOLTER**
PHONE: **714-504-7637**
ADDRESS: **1060 E ONTARIO BLVD**
ONTARIO CA 91761

MANIFEST SUMMARY INFORMATION

YEAR: **2019**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.25000**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000419890**
NAME: **ONSITE TRUCK & EQUIPEMENT REPAIR INC**
ADDRESS: **1060 ONTARIO BLVD**
ONTARIO, CA 91761-2026
CONTACT NAME: **SHEREE J URIBE**
CONTACT ADDRESS: **1060 ONTARIO BLVD**
ONTARIO CA 91761-2026
CONTACT PHONE: **951-588-8000**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **08/26/2016**

OWNER TYPE: **OTHER**
OWNER NAME: **ERIQUE URIBE**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **SHEREE J URIBE**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000437418**

NAME: **ONSITE TRUCK & EQUIPMENT**

ADDRESS: **1060 E ONTARIO BLVD**
ONTARIO, CA 91761

CONTACT NAME: **SEAN WOLTER**

CONTACT ADDRESS: **1060 E ONTARIO BLVD**
ONTARIO CA 91761

CONTACT PHONE: **714-504-7637**

NON-NOTIFIER:

DATE RECEIVED BY AGENCY: **07/11/2018**

OWNER TYPE: **OTHER**

OWNER NAME: **ONSITE TRUCK & EQUIPMENT REPAIR INC**

OPERATOR TYPE: **OTHER**

OPERATOR NAME: **SEAN WOLTER**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/07/2018**

INDUSTRY CLASSIFICATION (NAICS)

811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/07/2018**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

MIXED WASTE GENERATOR: **NO**

RECYCLER: **NO**

TRANSPORTER: **NO**

ONSITE BURNER EXEMPTION: **NO**

FURNACE EXEMPTION: **NO**

USED OIL REFINER: **NO**

USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **YES**

TRANSFER FACILITY: **NO**

USED OIL FUEL BURNER: **NO**

USED OIL PROCESSOR: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**

VIOLATIONS **- NO VIOLATIONS REPORTED -**

ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Generator (RCRAGR09)

MAP ID# 6

Distance from Property: 0.024 mi. (127 ft.) S
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

EPA ID#: **CAD983584038**
NAME: **INTER TRACTOR**
ADDRESS: **921 E CALOFORNIA**
ONTARIO, CA 91761
CONTACT NAME: **TIMOTHY RUSSELL**
CONTACT ADDRESS: **921 E CALIFORNIA**
ONTARIO CA 91761
CONTACT PHONE: **714-988-4511**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **06/10/1991**

OWNER TYPE: **PRIVATE**
OWNER NAME: **INTER TRACTOR AMERICAN CORP**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **NOT REQUIRED**

CERTIFICATION **- NO CERTIFICATION REPORTED -**
INDUSTRY CLASSIFICATION (NAICS) **- NO NAICS INFORMATION REPORTED -**

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **06/27/2002**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT
NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Generator (RCRAGR09)

MAP ID# 7

Distance from Property: 0.026 mi. (137 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CA0000042242**
NAME: **GLENCO MFG**
ADDRESS: **716 S BON VIEW**
ONTARIO, CA 91761
CONTACT NAME: **TONY ROSSMAN**
CONTACT ADDRESS: **716 S BON VIEW**
ONTARIO CA 91761
CONTACT PHONE: **909-984-3348**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **11/01/1993**

OWNER TYPE: **PRIVATE**
OWNER NAME: **JERRY HOROWITZ**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME:

CERTIFICATION **- NO CERTIFICATION REPORTED -**
INDUSTRY CLASSIFICATION (NAICS) **- NO NAICS INFORMATION REPORTED -**

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **09/15/2000**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT
NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Generator (RCRAGR09)

MAP ID# 8

Distance from Property: 0.054 mi. (285 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAD981657836**
NAME: **GLENCO MANFACTURING CO**
ADDRESS: **707 S HOPE AVE**
ONTARIO, CA 91761
CONTACT NAME: **ENVIRONMENTAL MANAGER**
CONTACT ADDRESS: **707 S HOPE AVE**
ONTARIO CA 91761
CONTACT PHONE: **714-984-3348**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **11/11/1986**
CERTIFICATION **- NO CERTIFICATION REPORTED -**
INDUSTRY CLASSIFICATION (NAICS)
332721 - PRECISION TURNED PRODUCT MANUFACTURING

OWNER TYPE: **PRIVATE**
OWNER NAME: **JERRY HOROWITZ**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **NOT REQUIRED**

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **06/27/2002**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT
NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 8

Distance from Property: 0.054 mi. (285 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000368332**
NAME: **S & H GLENCO MANUFACTURING LLC**
ADDRESS: **707 S HOPE AVE**
ONTARIO, CA 91761-1826
CONTACT NAME: **JERRY HOROWITZ**
CONTACT ADDRESS: **707 S HOPE AVE**
ONTARIO CA 91761-1826
CONTACT PHONE: **909-984-3348**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **10/18/2011**

OWNER TYPE: **OTHER**
OWNER NAME: **S & H GLENCO MANUFACTURING LLC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **JERRY HOROWITZ**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)

332722 - BOLT, NUT, SCREW, RIVET, AND WASHER MANUFACTURING

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 8

Distance from Property: 0.054 mi. (285 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0012997**
NAME: **S&H GLENCO MANUFACTURING, LLC**
ADDRESS: **707 S HOPE AVE**
ONTARIO , CA 91761
OWNER: **S&H GLENCO MANUFACTURING, LLC**

PERMIT DETAILS

PERMIT #: **PT0022821**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0022822**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0022823**
PERMIT DESCRIPTION: **WASTE-GENERATING RECYCLER (ONSITE)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0022821**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0022822**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0022821**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0022822**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0022821**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0022822**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0024956**

PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/17**
PERMIT #: **PT0022823**
PERMIT DESCRIPTION: **WASTE-GENERATING RECYCLER (ONSITE)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/17**
PERMIT #: **PT0028417**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 9

Distance from Property: 0.032 mi. (169 ft.) S
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAR000240259**
NAME: **GOLD BULL TRANSPORTATION INC**
ADDRESS: **1024 CALIFORNIA ST**
ONTARIO, CA 91761
CONTACT NAME: **VICTOR SALVATIERRA**
CONTACT ADDRESS: **11349 VERNON**
CHINO CA 91710
CONTACT PHONE: **213-999-2773**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **06/26/2013**

OWNER TYPE: **PRIVATE**
OWNER NAME: **GLEN RUSSELL**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **VICTOR SAVATIERRA**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
VICTOR SALVATIERRA	**PRES**	**06/18/2013**

INDUSTRY CLASSIFICATION (NAICS)
562111 - SOLID WASTE COLLECTION
562112 - HAZARDOUS WASTE COLLECTION

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **07/11/2013**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **YES**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Above Ground Storage Tanks (ABST)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **4197**
SITE ID: **4197**
FACILITY NAME: **ALGER PRECISION MACHINING, LLC**
ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
COUNTY: **NOT REPORTED**
FACILITY LINK: *Click Here*

FACILITY DETAILS

EI ID: **10035115**
EI DESCRIPTION: **ABOVEGROUND PETROLEUM STORAGE**

CHEMICAL DETAILS

NONE REPORTED

ENFORCEMENT DETAILS

ACTION DATE: **2/23/2017**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **APSA**
ACTION SOURCE: **CERS**

ACTION DATE: **2/23/2017**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HW**
ACTION SOURCE: **CERS**

ACTION DATE: **5/6/2014**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HW**
ACTION SOURCE: **CERS**

ACTION DATE: **5/6/2014**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HWRECYCLER**
ACTION SOURCE: **CERS**

EVALUATION DETAILS

EVALUATION DATE: **1/6/2020**
VIOLATIONS FOUND?: **NO**

GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **1/6/2020**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **CA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **1/6/2020**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **1/6/2020**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HWRECYCLER**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **1/6/2020**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **2/23/2017**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **2/23/2017**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **CA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **2/23/2017**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **CA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **2/23/2017**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HWRECYCLER**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **2/23/2017**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **2/23/2017**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **5/6/2014**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**

EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **5/6/2014**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **5/6/2014**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **CA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **5/6/2014**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HWRECYCLER**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **5/6/2014**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **3/25/2008**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **CA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **3/25/2008**
VIOLATIONS FOUND?: **YES**

GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **3/25/2008**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HWLQG**
EVALUATION SOURCE: **CERS**

VIOLATION DETAILS

VIOLATION DATE: **1/6/2020**
CITATION: **HSC 6.5 25143.10 - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) 25143.10**
VIOLATION DESCRIPTION: **FAILURE OF ANY PERSON WHO RECYCLES MORE THAN 100 KILOGRAMS PER MONTH OF RECYCLABLE MATERIAL UNDER A CLAIM THAT THE MATERIAL QUALIFIES FOR EXCLUSION OR EXEMPTION, TO SUBMIT RECYCLABLE MATERIALS REPORT EVERY TWO YEARS.**
NOTES: **RETURNED TO COMPLIANCE ON 01/20/2020. OBSERVATION: THE GENERATOR WAS OBSERVED RECYCLING MORE THAN 100 KILOGRAMS PER MONTH OF HAZARDOUS WASTE AND HAS NOT SUBMITTED A CURRENT RECYCLABLE MATERIALS REPORT IN CERS OR HAS FAILED TO SUBMIT IT EVER**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **2/23/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - ADMINISTRATION/DOCUMENTATION - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 03/22/2017. FAILURE TO CONDUCT A SOURCE REDUCTION EVALUATION REVIEW AND PLAN (CHSC 25244.19(A))**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **2/23/2017**
CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**
VIOLATION DESCRIPTION: **FAILURE TO CONDUCT SPILL PREVENTION BRIEFING FOR OIL-HANDLING PERSONNEL AT LEAST ONCE A YEAR TO ASSURE ADEQUATE UNDERSTANDING OF THE SPCC PLAN.**
NOTES: **RETURNED TO COMPLIANCE ON 03/22/2017.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **APSA**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **5/6/2014**
CITATION: **HSC 6.5 25143.9 - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) 25143.9**
VIOLATION DESCRIPTION: **FAILURE TO MEET THE FOLLOWING REQUIREMENTS OF EXCLUDED RECYCLABLE MATERIALS: 1) USED OR REUSED AS AN INGREDIENT IN AN INDUSTRIAL PROCESS TO MAKE A PRODUCT IF THE MATERIAL IS NOT BEING RECLAIMED, 2) USED OR REUSED AS A SAFE AND EFFECTIVE**
NOTES: **RETURNED TO COMPLIANCE ON 05/06/2014.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HWRECYCLER**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **5/6/2014**
CITATION: **HSC 6.67 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZ WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 05/06/2014. FAILURE TO LABEL HAZARDOUS WASTE CONTAINERS (CCR 66262.34(F)(3))**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/25/2008**
CITATION: **HSC 6.67 MULTIPLE SECTIONS - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) MULTIPLE SECTIONS**
VIOLATION DESCRIPTION: **RCRA LARGE QUANTITY GENERATOR PROGRAM - ADMINISTRATION/DOCUMENTATION - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 06/12/2008.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/25/2008**
CITATION: **HSC 6.67 MULTIPLE SECTIONS - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) MULTIPLE SECTIONS**
VIOLATION DESCRIPTION: **RCRA LARGE QUANTITY GENERATOR PROGRAM - ADMINISTRATION/DOCUMENTATION - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 06/12/2008.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HWLQG**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/25/2008**
CITATION: **HSC 6.67 MULTIPLE SECTIONS - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) MULTIPLE SECTIONS**
VIOLATION DESCRIPTION: **RCRA LARGE QUANTITY GENERATOR PROGRAM - ADMINISTRATION/DOCUMENTATION - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 10/21/2008.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**

VIOLATION PROGRAM: **CA**
VIOLATION SOURCE: **CERS**

AFFILIATION DETAILS

ENTITY NAME: **THOMAS LAO**
ENTITY TITLE: **SR. ENVIRONMENTAL ENGINEER**
AFFILIATION ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **COMPANY OFFICIAL**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **SAN BERNARDINO COUNTY FIRE**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **620 SOUTH E STREET**
SAN BERNARDINO, CA 92415-0153
AFFILIATION DESCRIPTION: **CUPA DISTRICT**
ENTITY PHONE NUMBER: **(909) 386-8401**

ENTITY NAME: **THOMAS KIANG LAO**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **DOCUMENT PREPARER**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **THOMAS KIANG LAO**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **12223 HIGHLAND AVE #106-306**
RANCHO CUCAMONGA, CA 91739
AFFILIATION DESCRIPTION: **ENVIRONMENTAL CONTACT**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **MAILING ADDRESS**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **FACILITY MAILING ADDRESS**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **DAN HANKLA**
ENTITY TITLE: **VP OF OPERATIONS**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **IDENTIFICATION SIGNER**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **ALGER PRECISION MACHINING**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **LEGAL OWNER**
ENTITY PHONE NUMBER: **(909) 986-4591**

ENTITY NAME: **DAN HANKLA**
ENTITY TITLE: **VP OPERATIONS**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **ONSITE TREATMENT UNIT OWNER OPERATOR**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **ALGER PRECISION MACHINING, LLC**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **OPERATOR**
ENTITY PHONE NUMBER: **(909) 986-4591**

ENTITY NAME: **ALGER PRECISION MACHINING**
ENTITY TITLE: **OPERATOR**
AFFILIATION ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **OWNER/OPERATOR**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **ALGER PRECISION MACHINING, LLC**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **PARENT CORPORATION**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **DAN HANKLA**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **PUBLIC CONTACT**
ENTITY PHONE NUMBER: **9099864591**

ENTITY NAME: **THOMAS LAO**
ENTITY TITLE: **NOT REPORTED**

AFFILIATION ADDRESS: **724 S BON VIEW AVE**

ONTARIO, CA 91761

AFFILIATION DESCRIPTION: **TECHNICAL CONTACT**

ENTITY PHONE NUMBER: **6262882626**

Back to Report Summary

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID #: **36350005**

NAME: **ALGER MANUFACTURING COMPANY**

ADDRESS: **724 SOUTH BON VIEW AVENUE**
ONTARIO, CA

STATUS (DATE): **PROPERTY/SITE REFERRED TO ANOTHER AGENCY (08/30/1995)**

STANDARD INDUSTRIAL CLASSIFICATION BELIEVED TO BE CAUSE OF (POTENTIAL) CONTAMINATION:
MANU - INDUSTRIAL MACHINERY & EQUIPMENT

ACCESS TO SITE: **NOT REPORTED**

GROUNDWATER CONTAMINATION: **NOT REPORTED**

COMMENTS

FACILITY IDENTIFIED ID VIA TELEPHONE DIRECTORY (1959) MACHINERY MFG. FACILITY DRIVE-BY DHS-ASP. NO ASP PROB. ACTIVE. GUTTER ETCHED,DISCOLORED.DISCH FROM FRONT OF BLDG. T/C W/ D.IFTIGER, ALGER MFG,714-986-4591 6/28/84 - 1)YR OF OPER: 1958-PRESENT WASTE TYPE: WASTE CUTTING OIL, KETONE (645GAL/2MOS), METAL CUTTINGS. SOURCE ACT: CO SITE SURVEY 2/84 - MFG SCREWS,BULLETS,MACHINED PARTS;USE BRASS, ALUMINUM, & STEEL. FACILITY DRIVE-BY ASAP. NO VISIBLE PROBLEM. FINAL STRATEGY RECOM - GENERATOR INSP TO ENSURE COMPLI W/ LAW, & FUR INSP OF UNDER-G TANK. CO, RWQCB. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012 REPORTED FOR PROP65 ON CORTESE LIST SITE SCREENING DONE FIT PA REASSESSMENT DONE 9/28/88, RECOMMENDED NFA UNDER CERCLA DUE TO NO DOCUMENTED RELEASES; DHS CONCURS WITH RECOMMENDATION DELETED FROM CORTESE DATABASE VERIFICATION PROJECT CONFIRMS NFA FOR DTSC. ACTIVE GENERATOR. REFER TO COUNTY.

Back to Report Summary

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **SL208413896**
URL LINK: CLICK HERE
BUSINESS NAME: **ALGER MANUFACTURING COMPANY INC**
ADDRESS: **724 BON VIEW**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **CLEANUP PROGRAM SITE**
CASE NUMBER: **2084100**
STATUS: **OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION 5/2/2017**
POTENTIAL CONTAMINATION:
TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)
POTENTIAL MEDIA AFFECTED:
AQUIFER USED FOR DRINKING WATER SUPPLY, INDOOR AIR, SOIL, SOIL VAPOR
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
1981 MAY CITY OF ONTARIO INSPECTORS CONDUCTED AN INSPECTION OF THE PROPERTY IN RESPOND TO A COMPLAINT NOTED A HEAVY ACCUMULATION OF OIL THROUGHOUT THE INTERIOR OF THE BUILDINGS, SEVERAL BUILDING ALTERATION AND ADDITIONS WHICH WERE COMPLETED WITHOUT PROPER PERMITS, INCLUDING OIL TANKS INSTALLED BELOW THE FLOOR OF ONE BUILDING. 1992 MAY, A SITE INVESTIGATION WAS CONDUCTED BY ATHANOR ENVIRONMENTAL SERVICES FOR ALGER MANUFACTURING. SOIL SAMPLES WERE COLLECTED FROM FIVE SOIL BORINGS EVERY FIVE FEET TO A DEPTH OF 30 FEET AT THREE LOCATIONS, 35 FEET AT ONE LOCATION AND 10 FEET AT ONE LOCATION. THE SOILS ENCOUNTERED CONSISTED OF SAND, SILTY SAND, COARSE GRAVEL AND COBBLES. SELECTED SOIL SAMPLES WERE ANALYZED FOR VOLATILE ORGANIC COMPOUNDS (VOCS) BY EPA METHOD 8010 AND TOTAL PETROLEUM HYDROCARBONS (TPH) BY EPA METHOD 418.1. THE HIGHEST CONCENTRATION OF TETRACHLOROETHYLENE (24,000,000 PARTS PER BILLION (PPB)) WAS DETECTED IN A SOIL SAMPLES COLLECTED FROM 25 FEET BELOW GROUND SURFACE FROM BORING #5 LOCATED NEAR THE OLD PCE SUMP, PARTS WASHING AND EVAPORATOR AREA. THE DEEPEST SOIL SAMPLE FROM BORING # 5 WAS FOUND TO CONTAINED 17,000,000 PPB OF PCE AT 30 FT. BGS. NOVEMBER 1992 AN ADDITIONAL INVESTIGATION WAS CONDUCTED NEAR THE FORMER DEGREASER PIT BY ATHANOR ENVIRONMENTAL SERVICES FOR ALGER MANUFACTURING. FIVE SOIL BORINGS (A - E) WERE DRILLED NEAR BORING #5 NEAR THE FORMER DEGREASER PIT. SOIL SAMPLES WERE COLLECTED AT 5 FOOT INTERVALS. THE BORINGS EXTENDED TO THE FOLLOWING DEPTHS A 80 FEET, B 55 FEET, C 30 FT ,D 45 FT ,E 20 FT.(DRILLING CREW WORE LEVEL C PROTECTIVE EQUIPMENT WHILE DRILLING BORING E.) THE HIGHEST CONCENTRATION OF PCE (40,000,000 PPB) WAS DETECTED IN THE AT 25 FEET BGS IN SOIL BORING B. THE DEEPEST SOIL SAMPLE WAS COLLECTED AT 80 FEET BGS FROM SOIL BORING A AND WAS FOUND TO CONTAIN 15, 000 PPB OF PCE. THE SOIL SAMPLE COLLECTED AT 75 FEET BGS FROM THIS SAME BORING WAS FOUND TO CONTAIN 7,700,000 PPB OF PCE. DEPTH TO WATER WAS ESTIMATED TO BE BETWEEN 380 AND 390 FEET BGS. IT WAS NOTED IN THE DRILLING LOG FOR BORING "A" THAT A HORIZONTAL HOLE WAS FOUND ON THE WEST SIDE OF THE PIT AT 4 FEET BGS. THE SCREENING VAPOR MEASUREMENTS RANGED FROM 850 PPM TO > 10,000 PPM. THE VAPOR CONCENTRATIONS EXCEED THE MEASUREMENT OF THE INSTRUMENT (10,000 PPM) BETWEEN 25 AND 75 FEET BGS. THE SCREENING VAPOR MEASUREMENTS AT 80 FEET WAS 1630 PPM. SIMILAR SCREENING VAPOR

CONCENTRATIONS WERE FOUND IN ALL THE OTHER BORINGS. THE SOILS ENCOUNTERED CONSISTED PRIMARY OF SAND, SILTY SAND, AND GRAVEL. 1993 SEPTEMBER 15 CASE REFERED TO THE RWQCB BY SAN BERNARDINO ENVIRONMENTAL HEALTH SERVICES. 1999 AUGUST – A SITE WIDE SOIL GAS SURVEY WAS CONDUCTED TO DETERMINE THE LATERAL EXTENT OF PCE. SOIL GAS SAMPLES WERE COLLECTED FROM 5 FEET BGS. VERY HIGH CONCENTRATIONS OF PCE WAS DETECTED IN SOIL VAPOR SAMPLES COLLECTED IN THE BUILDING AT THE CORNER OF BON VIEW AND CALIFORNIA, IN THE VICINITY OF THE FORMER DEGREASER UNIT. 1999 SEPTEMBER TWO SOIL VAPOR EXTRACTION WELLS VE1 AND VE2 INSTALLED. 2000 AUGUST - OCTOBER, SOIL VAPOR EXTRACTION SYSTEM INSTALLED. SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM FULLY OPERATIONAL OCTOBER 23, 2000 2007 DECEMBER - GROUNDWATER MONITORING WELL, MW-1, INSTALLED SOUTH OF THE ONSITE BUILDING IN THE ASSUMED DOWNGRADIENT DIRECTION OF THE FORMER DEGREASER. GROUNDWATER WAS ENCOUNTERED AT APPROXIMATELY 343 FEET BELOW GROUND SURFACE (BGS). THE WELL WAS SCREENED FROM 220 TO 380 FEET BGS. GROUNDWATER SAMPLES WERE COLLECTED MARCH 9, 2008 AND JUNE 25, 2009. TETRACHLOROETHYLENE (433 AND 431 MICROGRAMS PER LITER (µG/L) AND TRICHLOROETHYLENE (17.5 AND 9.05 µG/L) WERE DETECTED DURING BOTH SAMPLING EVENTS. 2010 OCTOBER - TWO ADDITIONAL GROUNDWATER MONITORING WELLS INSTALLED. VAPOR MONITORING PROBES WERE INSTALLED OUTSIDE THE CASINGS OF THE TWO WELLS. 2013-2014 THREE FIVE ADDITIONAL VAPOR MONITORING WELLS WITH MULTI-DEPTH VAPOR SAMPLING PROBES ONE GROUNDWATER MONITORING WELL WERE INSTALLED. TESTS WERE PERFORMED ON THE SOIL VAPOR EXTRACTION SYSTEM TO EVALUATE ITS PERFORMANCE.

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	01/01/50	LEAK DISCOVERY
OTHER	01/01/50	LEAK REPORTED
REMEDIATION	01/01/50	SOIL VAPOR EXTRACTION (SVE)
ENFORCEMENT	06/17/2020	ANNUAL ESTIMATION LETTER
ENFORCEMENT	06/17/2019	ANNUAL ESTIMATION LETTER
ENFORCEMENT	03/08/2018	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	08/11/2017	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	05/11/2017	ANNUAL ESTIMATION LETTER
ENFORCEMENT	04/18/2017	EMAIL CORRESPONDENCE
ENFORCEMENT	10/11/2016	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	08/12/2016	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	07/14/2016	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	06/28/2016	ANNUAL ESTIMATION LETTER
ENFORCEMENT	10/21/2015	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	06/26/2015	ANNUAL ESTIMATION LETTER
RESPONSE	04/24/2015	REMEDIAL INVESTIGATION WORKPLAN
RESPONSE	04/07/2015	SOIL AND WATER INVESTIGATION WORKPLAN
ENFORCEMENT	02/20/2015	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	12/09/2014	MONITORING REPORT - QUARTERLY
ENFORCEMENT	10/29/2014	NOTIFICATION - SITE DESIGNATION
RESPONSE	09/30/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	09/11/2014	EMAIL CORRESPONDENCE
RESPONSE	09/05/2014	MISCELLANEOUS DECISION DOCUMENTS
RESPONSE	08/29/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
ENFORCEMENT	08/28/2014	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	08/01/2014	MONITORING REPORT - QUARTERLY
ENFORCEMENT	07/02/2014	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

TYPE OF ACTION:	DATE:	ACTION:
RESPONSE	07/02/2014	CORRESPONDENCE
RESPONSE	06/30/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	06/02/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	05/02/2014	MONITORING REPORT - QUARTERLY
RESPONSE	04/30/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	03/31/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	02/28/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	01/31/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	01/03/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	12/05/2013	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	11/06/2013	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	10/31/2013	MONITORING REPORT - QUARTERLY
RESPONSE	10/11/2013	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	08/30/2013	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	08/01/2013	PROGRESS REPORT (SOIL/GW/ UPDATES)
ENFORCEMENT	06/21/2013	COST RECOVERY AGREEMENT
ENFORCEMENT	06/21/2013	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT
ENFORCEMENT	06/18/2013	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	05/13/2013	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	03/21/2013	OTHER WORKPLAN
ENFORCEMENT	03/15/2013	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	02/28/2013	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	01/18/2013	OTHER WORKPLAN - REGULATOR RESPONDED
RESPONSE	01/15/2013	MONITORING REPORT - QUARTERLY
RESPONSE	12/14/2012	TECHNICAL MEMOS
RESPONSE	12/07/2012	OTHER WORKPLAN
RESPONSE	10/15/2012	MONITORING REPORT - QUARTERLY
ENFORCEMENT	09/27/2012	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	07/15/2012	MONITORING REPORT - QUARTERLY
ENFORCEMENT	06/19/2012	COST RECOVERY AGREEMENT
ENFORCEMENT	06/19/2012	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT
ENFORCEMENT	06/13/2012	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	04/19/2012	SITE VISIT / INSPECTION / SAMPLING
RESPONSE	04/15/2012	MONITORING REPORT - QUARTERLY
ENFORCEMENT	03/23/2012	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	01/15/2012	MONITORING REPORT - QUARTERLY
RESPONSE	10/15/2011	MONITORING REPORT - QUARTERLY
RESPONSE	09/30/2011	SITE INVESTIGATION
ENFORCEMENT	09/07/2011	SITE VISIT / INSPECTION / SAMPLING
ENFORCEMENT	08/05/2011	NOTIFICATION - SITE DESIGNATION
ENFORCEMENT	08/04/2011	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	07/15/2011	MONITORING REPORT - QUARTERLY
RESPONSE	06/21/2011	OTHER WORKPLAN
ENFORCEMENT	06/08/2011	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

TYPE OF ACTION:	DATE:	ACTION:
ENFORCEMENT	06/07/2011	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	05/25/2011	COST RECOVERY AGREEMENT
ENFORCEMENT	05/25/2011	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT
RESPONSE	04/28/2011	SOIL AND WATER INVESTIGATION WORKPLAN
RESPONSE	04/04/2011	OTHER REPORT / DOCUMENT
RESPONSE	04/04/2011	VERBAL COMMUNICATION
RESPONSE	03/09/2011	MONITORING REPORT - QUARTERLY
ENFORCEMENT	03/02/2011	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	12/21/2010	SOIL AND WATER INVESTIGATION REPORT
ENFORCEMENT	10/07/2010	SITE VISIT / INSPECTION / SAMPLING
RESPONSE	09/09/2010	CORRESPONDENCE
ENFORCEMENT	09/03/2010	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	08/30/2010	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	08/06/2010	OTHER WORKPLAN
RESPONSE	08/06/2010	SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM
ENFORCEMENT	07/28/2010	NOTIFICATION - SITE DESIGNATION
ENFORCEMENT	06/30/2010	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	05/25/2010	COST RECOVERY AGREEMENT
ENFORCEMENT	05/25/2010	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT
RESPONSE	04/22/2010	CORRESPONDENCE
RESPONSE	04/22/2010	OTHER WORKPLAN
ENFORCEMENT	04/12/2010	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	04/01/2010	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	01/15/2010	MONITORING REPORT - QUARTERLY
ENFORCEMENT	12/08/2009	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	05/27/2009	COST RECOVERY AGREEMENT
ENFORCEMENT	05/27/2009	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT
RESPONSE	04/15/2009	MONITORING REPORT - QUARTERLY
RESPONSE	04/15/2009	OTHER WORKPLAN
ENFORCEMENT	02/04/2009	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	12/05/2008	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	06/02/2008	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	06/05/2007	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	05/25/2007	MONITORING REPORT - OTHER
ENFORCEMENT	05/11/2007	NOTICE TO COMPLY
REMEDIATION	10/23/2000	SOIL VAPOR EXTRACTION (SVE)
ENFORCEMENT	07/06/2000	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
OTHER	09/16/1992	LEAK REPORTED
OTHER	05/15/1992	LEAK DISCOVERY

STATUS HISTORY

STATUS:	DATE:
OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION	05/02/2017
OPEN - SITE ASSESSMENT	05/02/2017

STATUS:	DATE:
OPEN - REMEDIATION	**10/23/2000**
OPEN - CASE BEGIN DATE	**05/01/1992**
OPEN - SITE ASSESSMENT	**05/01/1992**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **ALAN KUOCH**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824962**
EMAIL: **ALAN.KUOCH@WATERBOARDS.CA.GOV**

Back to Report Summary

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

SITE INFORMATION

ID #: **36350005** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **ALGER MANUFACTURING COMPANY**
ADDRESS: **724 SOUTH BON VIEW AVENUE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: *** MMONROY**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **HISTORICAL**
SITE TYPE DESCRIPTION
*** HISTORICAL**
DTSC's CURRENT INVOLVEMENT AT SITE (as of 1995-08-30 00:00:00)
REFER: OTHER AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

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MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

SITE INFORMATION

ID #: **71002447** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **ALGER MFG. CO., INC.**
ADDRESS: **724 S. BON VIEW AVENUE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR:
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **TIERED PERMIT**
SITE TYPE DESCRIPTION
TIERED PERMIT
DTSC's CURRENT INVOLVEMENT AT SITE (as of)
REFER: OTHER AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

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Historical Cortese List (HISTCORTESE)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **36350005COR**
ID#: **36350005**
NAME: **ALGER MANUFACTURING COMPA**
ADDRESS: **724 BON VIEW**
ONTARIO, CA 91761

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MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

ALGER MANUFACTURING COMPANY, 724 S BON VIEW AVENUE, ONTARIO, CA 91761
UNIQUE ID: **000298C2**

*** F10 ***

PAGE 116 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
ALGERAN, INC.
890 S. ARROYO PARKWAY PASADENA CA 91109

II FACILITY

	MAILING ADDRESS	DEALER/FOREMAN/SUPERVISOR	TYPE OF BUSINESS
ALGER MANUFACTURING COMPANY	TOWNSHIP/RANGE/SECTION	TELEPHONE	NO. OF CONTAINERS
724 S. BON VIEW AVENUE			
ONTARIO CA 91761	724 S. BON VIEW AVENUE	DONALD LFTILGER	SHOP
	ONTARIO CA 91761		
CROSS STREET :		(714) 986-4591	3
CALIFORNIA ST.			

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: YOUNG, KENNETH (714) 986-4591 NIGHT: YOUNG, KENNETH (714) 981-1980

********** OWNER ASSIGNED CONTAINER NUMBER: #1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000052961001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: NOTTINGHAM /1971
C. YEAR INSTALLED : 1971
D. CAPACITY (GALLONS) : 1,500
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : WASTE
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 4 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CONCRETE
E. LINING : UNLINED
F. WRAPPING : TAR TAR OR ASPHT

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING :
C. REPAIRS : YES IF YES, YEAR OF MOST RECENT REPAIR: 1982

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
127184 * PERCHLOROETHYLENE (TETRACHLOROETHYLENE)
WASTE OIL
SOLVENTS

* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS

*** G10 ***

PAGE 117 — STATE WATER RESOURCES CONTROL BOARD — 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: #2 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000052961002 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: NOTTINGHAM /1971
C. YEAR INSTALLED : 1971
D. CAPACITY (GALLONS) : 1,500
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 4 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CONCRETE
E. LINING : UNLINED
F. WRAPPING : TAR TAR OR ASPHT

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING :
C. REPAIRS : YES IF YES, YEAR OF MOST RECENT REPAIR: 1982

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
CUTTING OIL

********** OWNER ASSIGNED CONTAINER NUMBER: #3 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000052961003 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: NOTTINGHAM /1971
C. YEAR INSTALLED : 1971
D. CAPACITY (GALLONS) : 1,500
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 4 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CONCRETE
E. LINING : UNLINED
F. WRAPPING : TAR TAR OR ASPHT

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING :
C. REPAIRS : YES IF YES, YEAR OF MOST RECENT REPAIR: 1982

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
CUTTING OIL

*** H10 ***

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Resource Conservation & Recovery Act - Generator (RCRAGR09)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAD051980191**
NAME: **ALGER MANUFACTURING COMPANY, INC.**
ADDRESS: **724 SOUTH BON VIEW AVENUE**
ONTARIO, CA 91761
CONTACT NAME: **DAN HANKLA**
CONTACT ADDRESS: **724 SOUTH BON VIEW AVENUE**
ONTARIO CA 91761
CONTACT PHONE: **909-986-4591**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **02/28/2002**

OWNER TYPE: **NOT REPORTED**
OWNER NAME:
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME:

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DAN HANKLA	**VICE PRESIDENT**	**02/28/2002**
LOREN HENNING	**MANAGER, RCRA ENFORCEMENT OFFICE**	**09/05/2006**

INDUSTRY CLASSIFICATION (NAICS)
332721 - PRECISION TURNED PRODUCT MANUFACTURING

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **09/05/2006**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

351
D039 **TETRACHLOROETHYLENE**

UNIVERSAL WASTE

Resource Conservation & Recovery Act - Generator (RCRAGR09)

WASTE TYPE:	ACCUMULATED WASTE ON-SITE:	GENERATED WASTE ON-SITE:	SOURCE TYPE:
BATTERIES	**UNKNOWN**	**UNKNOWN**	**ANNUAL/BIENNIAL REPORT**
LAMPS	**UNKNOWN**	**UNKNOWN**	**ANNUAL/BIENNIAL REPORT**
PESTICIDES	**UNKNOWN**	**UNKNOWN**	**ANNUAL/BIENNIAL REPORT**
MERCURY CONTAINING EQUIPMENT	**UNKNOWN**	**UNKNOWN**	**ANNUAL/BIENNIAL REPORT**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000357292**
NAME: **ALGER PRECISION MACHINING LLC**
ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761-1913
CONTACT NAME: **DAN HANKLA**
CONTACT ADDRESS: **724 S BON VIEW AVE**
ONTARIO CA 91761-1913
CONTACT PHONE: **909-986-4591**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **09/28/2010**

OWNER TYPE: **OTHER**
OWNER NAME: **JIM HEMINGWAY**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **DAN HANKLA**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/05/2018**

INDUSTRY CLASSIFICATION (NAICS)
332721 - PRECISION TURNED PRODUCT MANUFACTURING

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/05/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000404983**
NAME: **SEAVIEW AGI ACQUISITIONS**
ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
CONTACT NAME: **DUANE FEMRITE**
CONTACT ADDRESS: **921 E CALIFORNIA ST**
ONTARIO CA 91761
CONTACT PHONE: **909-230-4636**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **03/09/2015**

OWNER TYPE: **OTHER**
OWNER NAME: **SEAVIEW AGI ACQUISITIONS INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **DUANE FEMRITE**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)

56299 - ALL OTHER WASTE MANAGEMENT SERVICES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Referred to Another Local or State Agency (REF)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **36350005**
ENVIROSTOR ID: **36350005**
FACILITY NAME: **ALGER MANUFACTURING COMPANY**
ADDRESS: **724 SOUTH BON VIEW AVENUE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

PROGRAM TYPE: **HISTORICAL**
STATUS: **REFER: OTHER AGENCY**
STATUS DATE: **8/30/1995**
CALENVIROSCREEN SCORE: **96-100%**
SITE CODE: **NOT REPORTED**

Back to Report Summary

Referred to Another Local or State Agency (REF)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **71002447**
ENVIROSTOR ID: **71002447**
FACILITY NAME: **ALGER MFG. CO., INC.**
ADDRESS: **724 S. BON VIEW AVENUE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

PROGRAM TYPE: **TIERED PERMIT**
STATUS: **REFER: OTHER AGENCY**
STATUS DATE: **NOT REPORTED**
CALENVIROSCREEN SCORE: **96-100%**
SITE CODE: **NOT REPORTED**

Back to Report Summary

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0000815**
NAME: **ALGER PRECISION MACHINING, LLC**
ADDRESS: **724 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **ALGER PRECISION MACHINING**

PERMIT DETAILS

PERMIT #: **PT0020019**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0018355**
PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0004109**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0004110**
PERMIT DESCRIPTION: **LARGE QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0020019**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0018355**
PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0004109**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0004110**
PERMIT DESCRIPTION: **LARGE QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0020019**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0018355**

PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0004109**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0004110**
PERMIT DESCRIPTION: **LARGE QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0020019**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0018355**
PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0004109**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0004110**
PERMIT DESCRIPTION: **LARGE QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0018354**
PERMIT DESCRIPTION: **CA UNIT (NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **9/30/17**
PERMIT #: **PT0020019**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0018354**
PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0018355**
PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0004109**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**

PERMIT #: **PT0004110**
PERMIT DESCRIPTION: **LARGE QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0027511**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 4**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**
PERMIT #: **PT0004111**
PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/11**
PERMIT #: **PT0017057**
PERMIT DESCRIPTION: **HAZARDOUS WASTE GENERATOR RCRA LQG**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/08**

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Superfund Enterprise Management System Archived Site Inventory (SEMSARCH)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAD051980191**
SITE ID#: **0901423**
NAME: **ALGER MFG CO**
ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FEDERAL FACILITY: **NOT A FEDERAL FACILITY**
SUPERFUND ALTERNATIVE AGREEMENT IN PLACE?: **NO**
NPL: **NOT ON THE NPL**
NON NPL STATUS: **NFRAP-SITE DOES NOT QUALIFY FOR THE NPL BASED ON EXISTING INFORMATION**
SUPERFUND SITE INFORMATION: **CLICK HERE**

Below information was gathered from the prior NFRAP update completed in 10/2013 update:

ACTION	START DATE	COMPLETION DATE	RESPONSIBILITY
PA - PRELIMINARY ASSESSMENT	**8/1/1984**	**5/1/1985**	**STATE (FUND)**
DS - DISCOVERY	**NOT REPORTED**	**8/1/1984**	**STATE (FUND)**
PA - PRELIMINARY ASSESSMENT	**NOT REPORTED**	**11/1/1988**	**EPA FUND**
VS - ARCHIVE SITE	**NOT REPORTED**	**11/1/1988**	**EPA IN-HOUSE**

ACTION DESCRIPTIONS

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

DS - (DISCOVERY) - THE PROCESS BY WHICH A POTENTIAL HAZARDOUS WASTE SITE IS BROUGHT TO THE ATTENTION OF THE EPA. THE PROCESS CAN OCCUR THROUGH THE USE OF SEVERAL MECHANISMS SUCH AS A PHONE CALL OR REFERRAL BY ANOTHER GOVERNMENT AGENCY.

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

VS - (ARCHIVE SITE) - THE DECISION IS MADE THAT NO FURTHER ACTIVITY IS PLANNED AT THE SITE.

Back to Report Summary

Spills, Leaks, Investigation & Cleanup Recovery Listing (SLIC)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

INCIDENT INFORMATION

GLOBAL ID#:	**8-8 - 187**
CASE NUMBER:	**NOT REPORTED**
NAME:	**ALGER**
ADDRESS:	**724 S BON VIEW AVE**
	ONTARIO CA
FACILITY TYPE:	**NOT REPORTED**
LEAD AGENCY:	**SANTA ANA RWQCB (REGION 8)**
LEAD AGENCY CONTACT:	**NOT REPORTED**
LEAD AGENCY CASE #:	**NOT REPORTED**
SUBSTANCE RELEASED:	**PCE, TPH**
STATUS:	**NOT REPORTED**
RESPONSIBLE PARTY:	**NOT REPORTED**

Back to Report Summary

Spills, Leaks, Investigation & Cleanup Recovery Listing (SLIC)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

INCIDENT INFORMATION

GLOBAL ID#:	**SL208413896**
CASE NUMBER:	**NOT REPORTED**
NAME:	**ALGER MANUFACTURING COMPANY INC**
ADDRESS:	**724 BON VIEW**
	ONTARIO CA
FACILITY TYPE:	**CLEANUP PROGRAM SITE**
LEAD AGENCY:	**NOT REPORTED**
LEAD AGENCY CONTACT:	**NOT REPORTED**
LEAD AGENCY CASE #:	**NOT REPORTED**
SUBSTANCE RELEASED:	**PCE, PET, SVO, VOC**
STATUS:	**OPEN - ASSESSMENT & INTERIM REMEDIAL ACT**
RESPONSIBLE PARTY:	**ATHANOR GROUP INC**

Back to Report Summary

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

FACILITY #: **52961**
STATUS: **ACTIVE**
BOE: **44-021181**
JURISDICTION: **SAN BERNARDINO COUNTY**
NAME: **ALGER MANUFACTURING COMPANY**
AGENCY: **ENVIRONMENTAL HEALTH - U.S.T.**
ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761

TANK INFORMATION

TANK #: **000001**
CAPACITY: **1500**
INSTALLED: **NOT REPORTED**
REMOVED: **NOT REPORTED**
TANK USE: **UNKNOWN**
STORAGE TYPE: **WASTE**
CONTENT: **NOT REPORTED**
CONTAINMENT: **NOT REPORTED**

TANK #: **000002**
CAPACITY: **1500**
INSTALLED: **NOT REPORTED**
REMOVED: **NOT REPORTED**
TANK USE: **UNKNOWN**
STORAGE TYPE: **PRODUCT**
CONTENT: **NOT REPORTED**
CONTAINMENT: **NOT REPORTED**

TANK #: **000003**
CAPACITY: **1500**
INSTALLED: **NOT REPORTED**
REMOVED: **NOT REPORTED**
TANK USE: **UNKNOWN**
STORAGE TYPE: **PRODUCT**
CONTENT: **NOT REPORTED**
CONTAINMENT: **NOT REPORTED**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 11

Distance from Property: 0.044 mi. (232 ft.) ENE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000327123**
NAME: **KING EQUIPMENT LLC**
ADDRESS: **1080 E ONTARIO BLVD**
ONTARIO, CA 91761
CONTACT NAME: **MIKE BURNS**
CONTACT ADDRESS: **1690 ASHLEY WAY**
COLTON CA 92324
CONTACT PHONE: **909-917-0267**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **11/27/2007**

OWNER TYPE: **OTHER**
OWNER NAME: **ERNIE QUIJADA**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **MIKE BURNS**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/05/2018**

INDUSTRY CLASSIFICATION (NAICS)
33651 - RAILROAD ROLLING STOCK MANUFACTURING

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/05/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 11

Distance from Property: 0.044 mi. (232 ft.) ENE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000421481**
NAME: **KLEIN PRODUCTS INC**
ADDRESS: **1080 E ONTARIO BLVD**
ONTARIO, CA 91761
CONTACT NAME: **LORI FRENES**
CONTACT ADDRESS: **1080 ONTARIO BLVD**
ONTARIO CA 91761
CONTACT PHONE: **909-460-4546**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **10/24/2016**

OWNER TYPE: **OTHER**
OWNER NAME: **KLEIN PRODUCTS INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **LORI FRENES**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/07/2018**

INDUSTRY CLASSIFICATION (NAICS)

56299 - ALL OTHER WASTE MANAGEMENT SERVICES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/07/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 11

Distance from Property: 0.044 mi. (232 ft.) ENE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0015636**
NAME: **KING EQUIPMENT**
ADDRESS: **1080 E ONTARIO BLVD**
ONTARIO , CA 91761
OWNER: **KING EQUIPMENT LLC**

PERMIT DETAILS

PERMIT #: **PT0034196**
PERMIT DESCRIPTION: **LARGE QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/16**
PERMIT #: **PT0034195**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/16**
PERMIT #: **PT0034197**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/16**

Back to Report Summary

MAP ID# 11

Distance from Property: 0.044 mi. (232 ft.) ENE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0017585**
NAME: **KLEIN PRODUCTS, INC.**
ADDRESS: **1080 ONTARIO BLVD**
ONTARIO , CA 91761
OWNER: **BARRY MCMANUS**

PERMIT DETAILS

PERMIT #: **PT0037976**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/21**
PERMIT #: **PT0037975**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/21**
PERMIT #: **PT0037976**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/20**
PERMIT #: **PT0037975**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/20**
PERMIT #: **PT0037976**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/19**
PERMIT #: **PT0037975**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/19**
PERMIT #: **PT0037975**
PERMIT DESCRIPTION: **HAZMAT HANDLER GENERAL ACT.(NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **6/30/18**
PERMIT #: **PT0037976**
PERMIT DESCRIPTION: **HAZWASTE GENERAL ACTIVITY (NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **6/30/18**

Back to Report Summary

Dry Cleaner Facilities (CLEANER)

MAP ID# 12

Distance from Property: 0.076 mi. (401 ft.) ESE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **CAL000378188**
PERMIT ID: **CAL000378188**
FACILITY NAME: **PW REPAIR'S INC**
ADDRESS: **1064 E CALIFORNIA ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
STATUS: **INACTIVE**
FACILITY LINK: CLICK HERE

FACILITY DETAILS

SIC CODE: **7219**
SIC DESCRIPTION: **LAUNDRY AND GARMENT SERVICES, NOT ELSEWHERE CLASSIFIED**
NAICS CODE: **NOT REPORTED**
SIC DESCRIPTION: **NOT REPORTED**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 12

Distance from Property: 0.051 mi. (269 ft.) SE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000341684**
NAME: **AIRPORT MOBIL INC**
ADDRESS: **1046 E CALIFORNIA ST**
ONTARIO, CA 91761-1919
CONTACT NAME: **MIKE MUSH**
CONTACT ADDRESS: **1046 E CALIFORNIA ST**
ONTARIO CA 91761-1919
CONTACT PHONE: **909-983-5261**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **03/27/2009**

OWNER TYPE: **OTHER**
OWNER NAME: **AIRPORT MOBIL INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **MIKE MUSH**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**06/20/2019**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **06/28/2019**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **YES**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 12

Distance from Property: 0.076 mi. (401 ft.) ESE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000378188**
NAME: **PW REPAIRS INC**
ADDRESS: **1064 E CALIFORNIA ST**
ONTARIO, CA 91761
CONTACT NAME: **HORACE WINKLER/PRES**
CONTACT ADDRESS: **1064 E CALIFORNIA ST**
ONTARIO CA 91761-0000
CONTACT PHONE: **626-221-7702**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **09/17/2012**

OWNER TYPE: **OTHER**
OWNER NAME: **PW REPAIR'S INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **HORACE WINKLER/PRES**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)

81149 - OTHER PERSONAL AND HOUSEHOLD GOODS REPAIR AND MAINTENANCE

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 12

Distance from Property: 0.051 mi. (269 ft.) SE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0014964**
NAME: **AIRPORT MOBIL TOWING**
ADDRESS: **1046 E CALIFORNIA**
ONTARIO , CA 91761
OWNER: **MORIS MUSHARBASH**

PERMIT DETAILS

PERMIT #: **PT0026029**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/21**
PERMIT #: **PT0026030**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/21**
PERMIT #: **PT0026029**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/20**
PERMIT #: **PT0026030**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/20**
PERMIT #: **PT0026029**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/19**
PERMIT #: **PT0026030**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/19**
PERMIT #: **PT0026029**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/18**
PERMIT #: **PT0026030**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/18**
PERMIT #: **PT0026029**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **02/28/16**
PERMIT #: **PT0026030**

PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **02/28/16**
PERMIT #: **PT0026029**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **02/28/14**
PERMIT #: **PT0026030**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **02/28/14**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 12

Distance from Property: 0.076 mi. (401 ft.) ESE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0015695**
NAME: **PW REPAIRS**
ADDRESS: **1064 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **PW REPAIRS INC.**

PERMIT DETAILS

PERMIT #: **PT0034272**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0034271**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0034272**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0034271**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0034272**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0034271**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0034272**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0034271**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 13

Distance from Property: 0.054 mi. (285 ft.) W
Elevation: 959 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000458285**
NAME: **LYNWOOD PATTERN**
ADDRESS: **603 S HOPE ST**
ONTARIO, CA 91761
CONTACT NAME: **JASON ALVAREZ**
CONTACT ADDRESS: **603 S HOPE ST**
ONTARIO CA 91761
CONTACT PHONE: **310-631-2225**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **11/17/2020**

OWNER TYPE: **OTHER**
OWNER NAME: **JASON ALVAREZ**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **JASON ALVAREZ**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**11/17/2020**

INDUSTRY CLASSIFICATION (NAICS)
331523 - NONFERROUS METAL DIE-CASTING FOUNDRIES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **11/17/2020**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NOT REPORTED**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 13

Distance from Property: 0.059 mi. (312 ft.) W
Elevation: 959 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0000874**
NAME: **ALUM-ALLOY COMPANY INC**
ADDRESS: **603 S HOPE AVE**
ONTARIO , CA 91761
OWNER: **ALUM-ALLOY COMPANY INC**

PERMIT DETAILS

PERMIT #: **PT0004201**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/20**
PERMIT #: **PT0004201**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/19**
PERMIT #: **PT0004201**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/18**
PERMIT #: **PT0004201**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/17**
PERMIT #: **PT0004201**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/15**
PERMIT #: **PT0029238**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/14**

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MAP ID# 14

Distance from Property: 0.071 mi. (375 ft.) S
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0009883**
NAME: **VACANT PROPERTY**
ADDRESS: **902 CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **FRAME, DICK**

PERMIT DETAILS

PERMIT #: **PT0017015**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/05**
PERMIT #: **PT0017016**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/05**
PERMIT #: **PT0017017**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/05**
PERMIT #: **PT0017014**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/05**

Back to Report Summary

Historical Underground Storage Tanks (HISTUST)

MAP ID# 15

Distance from Property: 0.080 mi. (422 ft.) SSW
Elevation: 950 ft. (Lower than TP)

DONS WELDING SERVICE INC, 854 EAST CALIFORNIA ST, ONTARIO, CA 91761
UNIQUE ID: **00029DB7**

PAGE 1694 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
DON'S WELDING SERVICE INC.
854 EAST CALIFORNIA ST ONTARIO CA 91761

II FACILITY
DON'S WELDING SERVICE INC. MAILING ADDRESS DEALER/FOREMAN/SUPERVISOR TYPE OF BUSINESS
854 EAST CALIFORNIA ST TOWNSHIP/RANGE/SECTION TELEPHONE NO. OF CONTAINERS
ONTARIO CA 91761 P.O. BOX 4117 WELDING SHOP
ONTARIO CA 91751
CROSS STREET : (714) 983-2016
MISSION BLV OR BON VIEW

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: DON HOIER (714) 626-4460 NIGHT: SAME ( ) -

********** OWNER ASSIGNED CONTAINER NUMBER: 1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000019685001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /
C. YEAR INSTALLED : UNK
D. CAPACITY (GALLONS) : 1,000
E. REPAIRS : UNKN IF YES WHEN :
F. CURRENTLY USED : NO IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: REGULAR

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: UNKNOWN C. WALLING: UNKNOWN
D. MATERIAL : CARBON STEEL
E. LINING : UNKNOWN
F. WRAPPING : UNKNOWN

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING :
C. REPAIRS : UNKN IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
VISUAL 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12032 REGULAR MOTOR VEHICLE FUEL

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 15

Distance from Property: 0.080 mi. (422 ft.) SSW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000401609**
NAME: **MEGA TRUCK & TRAILER REPAIR INC**
ADDRESS: **854 E CALIFORNIA ST**
ONTARIO, CA 91761
CONTACT NAME: **JUAN GONZALEZ**
CONTACT ADDRESS: **854 E CALIFORNIA ST**
ONTARIO CA 91761
CONTACT PHONE: **909-284-5203**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **10/26/2020**

OWNER TYPE: **PRIVATE**
OWNER NAME: **MEGA TRUCK & TRAILER REPAIR INC**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME:

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
JUAN GONZALEZ	**OWNER**	**10/19/2020**

INDUSTRY CLASSIFICATION (NAICS) **- NO NAICS INFORMATION REPORTED -**

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **11/18/2020**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NOT REPORTED**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**
UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 15

Distance from Property: 0.084 mi. (444 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0010871**
NAME: **INDUSTRIAL EQUIPMENT REPAIR**
ADDRESS: **854 E CALIFORNIA**
ONTARIO , CA 91761
OWNER: **CHIVARA, ARMANDO**

PERMIT DETAILS

PERMIT #: **PT0018686**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **3/31/08**
PERMIT #: **PT0018685**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **3/31/08**

Back to Report Summary

MAP ID# 15

Distance from Property: 0.080 mi. (422 ft.) SSW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0015633**
NAME: **MEGA TRUCK & TRAILER REPAIR**
ADDRESS: **854 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **JUAN GONZALEZ**

PERMIT DETAILS

PERMIT #: **PT0034192**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/20**
PERMIT #: **PT0034191**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/20**
PERMIT #: **PT0034192**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/19**
PERMIT #: **PT0034191**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/19**
PERMIT #: **PT0034192**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/18**
PERMIT #: **PT0034191**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/18**
PERMIT #: **PT0034192**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/17**
PERMIT #: **PT0034191**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/17**
PERMIT #: **PT0034192**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/15**
PERMIT #: **PT0034191**

PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/15**

Back to Report Summary

MAP ID# 15

Distance from Property: 0.080 mi. (422 ft.) SSW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

FACILITY #: **19685**
BOE: **NOT REPORTED**
NAME: **DON'S WELDING SERVICE INC.**
ADDRESS: **854 E CALIFORNIA ST**
ONTARIO, CA 91761

STATUS: **ACTIVE**
JURISDICTION: **SAN BERNARDINO COUNTY**
AGENCY: **ENVIRONMENTAL HEALTH - U.S.T.**

TANK INFORMATION

TANK #: **000001**
INSTALLED: **NOT REPORTED**
TANK USE: **M.V. FUEL**
CONTENT: **LEADED**

CAPACITY: **1000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **PRODUCT**
CONTAINMENT: **NOT REPORTED**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 16

Distance from Property: 0.082 mi. (433 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000440687**

NAME: **PATTON SALES CORP DBA PATTON STEEL QUEEN CITY STEEL**

ADDRESS: **1095 E CALIFORNIA ST**
ONTARIO, CA 91761

CONTACT NAME: **FRANK MONTEJO**

CONTACT ADDRESS: **PO BOX 273**
ONTARIO CA 91762

CONTACT PHONE: **909-988-0661**

NON-NOTIFIER:

DATE RECEIVED BY AGENCY: **11/09/2018**

OWNER TYPE: **OTHER**

OWNER NAME: **PATTON SALES CORP**

OPERATOR TYPE: **OTHER**

OPERATOR NAME: **FRANK MONTEJO**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**11/19/2018**

INDUSTRY CLASSIFICATION (NAICS)

425120 - WHOLESALE TRADE AGENTS AND BROKERS

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **11/20/2018**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

MIXED WASTE GENERATOR: **NO**

RECYCLER: **NO**

TRANSPORTER: **NO**

ONSITE BURNER EXEMPTION: **NO**

FURNACE EXEMPTION: **NO**

USED OIL REFINER: **NO**

USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **YES**

TRANSFER FACILITY: **NO**

USED OIL FUEL BURNER: **NO**

USED OIL PROCESSOR: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**

VIOLATIONS **- NO VIOLATIONS REPORTED -**

ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 17

Distance from Property: 0.091 mi. (480 ft.) W
Elevation: 959 ft. (Higher than TP)

COLUMBIA PEST CONTROL OF ONTAR, 622 S HOPE AVE, ONTARIO, CA 91761
UNIQUE ID: **00029CDB**

*** L18 ***

PAGE 1318 — STATE WATER RESOURCES CONTROL BOARD — 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
COLUMBIA PEST CONTROL OF ONTAR
622 S. HOPE AVE ONTARIO CA 91761

II FACILITY

	MAILING ADDRESS	DEALER/FOREMAN/SUPERVISOR	TYPE OF BUSINESS
COLUMBIA PEST CONTROL OF ONTAR	TOWNSHIP/RANGE/SECTION	TELEPHONE	NO. OF CONTAINERS
622 S. HOPE AVE			
ONTARIO CA 91761	622 S. HOPE AVE		PEST CONTROL
	ONTARIO CA 91761		
CROSS STREET :		(714) 986-8809	1

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: SLAGLE, ROBERT (714) 986-8809 NIGHT: SAME ( ) -

********** OWNER ASSIGNED CONTAINER NUMBER: 1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 0000004089001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG:
C. YEAR INSTALLED : UNK
D. CAPACITY (GALLONS) : 2,000
E. REPAIRS : UNKN IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: REGULAR

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS:
B. VAULTING: UNKNOWN
C. WALLING: UNKNOWN
D. MATERIAL : UNKNOWN
E. LINING : UNLINED
F. WRAPPING : UNKNOWN

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING : SUCTION
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
STOCK INVENTORY

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12032 REGULAR MOTOR VEHICLE FUEL

*** M18 ***

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 17

Distance from Property: 0.093 mi. (491 ft.) W
Elevation: 959 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0002442**
NAME: **COLUMBIA PEST CTRL OF ONT**
ADDRESS: **622 S HOPE AVE**
ONTARIO , CA 91761
OWNER: **HARPER, DALLAS D.**

PERMIT DETAILS

PERMIT #: **PT0002683**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/15**
PERMIT #: **PT0027686**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**
PERMIT #: **PT0017937**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/13**
PERMIT #: **PT0002684**
PERMIT DESCRIPTION: **CALARP FACILITY PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/04**

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 17

Distance from Property: 0.093 mi. (491 ft.) W
Elevation: 959 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0008444**
NAME: **CAPITAL IRON**
ADDRESS: **602 S HOPE AVE**
ONTARIO , CA 91761
OWNER: **KIM, JAY**

PERMIT DETAILS

PERMIT #: **PT0014736**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**
PERMIT #: **PT0014737**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/10**

Back to Report Summary

MAP ID# 17

Distance from Property: 0.091 mi. (480 ft.) W
Elevation: 959 ft. (Higher than TP)

FACILITY INFORMATION

FACILITY #: **40489**
STATUS: **ACTIVE**
BOE: **44-020991**
JURISDICTION: **SAN BERNARDINO COUNTY**
NAME: **COLUMBIA PEST CONTROL OF ONTAR**
AGENCY: **ENVIRONMENTAL HEALTH - U.S.T.**
ADDRESS: **622 S HOPE AVE**
ONTARIO, CA 91761

TANK INFORMATION

TANK #: **000001**
CAPACITY: **2000**
INSTALLED: **NOT REPORTED**
REMOVED: **NOT REPORTED**
TANK USE: **M.V. FUEL**
STORAGE TYPE: **PRODUCT**
CONTENT: **LEADED**
CONTAINMENT: **NOT REPORTED**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 18

Distance from Property: 0.093 mi. (491 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

EPA ID#: **CAL000238576**
NAME: **SIERRA TORQUE CONVERTERS & SECONDARY**
ADDRESS: **710 S HOPE AVE**
ONTARIO, CA 91761
CONTACT NAME: **NASIR KASSAM**
CONTACT ADDRESS: **710 S HOPE AVE**
ONTARIO CA 91761
CONTACT PHONE: **909-983-4622**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **03/16/2020**

OWNER TYPE: **OTHER**
OWNER NAME: **NASIR KASSAM**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **NASIR KASSAM**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
SALIM KASSAM	**MANAGER**	**03/16/2020**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **03/19/2020**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NOT REPORTED**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 18

Distance from Property: 0.093 mi. (491 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID#: **FA0006182**
NAME: **SIERRA TORQUE CONVERTER & SECONDARY**
ADDRESS: **710 HOPE AVE**
ONTARIO , CA 91761
OWNER: **KASSAM, NASIR**

PERMIT DETAILS

PERMIT #: **PT0004333**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0004334**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0004333**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0004334**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0004333**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0004334**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0004333**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0004334**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0004333**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/15**
PERMIT #: **PT0004334**

PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/15**
PERMIT #: **PT0004333**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**
PERMIT #: **PT0004334**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**
PERMIT #: **PT0026799**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 19

Distance from Property: 0.093 mi. (491 ft.) W
Elevation: 959 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0003447**
NAME: **GENERAL OUTDOOR ADVERTISING**
ADDRESS: **632 S HOPE AVE**
ONTARIO , CA 91761
OWNER: **SAN DIEGO OUTDOOR ADVERTISING**

PERMIT DETAILS

PERMIT #: **PT0007904**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/10**
PERMIT #: **PT0013781**
PERMIT DESCRIPTION: **ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/04**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 20

Distance from Property: 0.094 mi. (496 ft.) N
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000307793**
NAME: **CASTROS TOWING & GENERAL AUTO**
ADDRESS: **409 S BON VIEW AVE STE B**
ONTARIO, CA 91761-1934
CONTACT NAME: **ESTEBAN CASTRO**
CONTACT ADDRESS: **409 S BON VIEW AVE UNIT B**
ONTARIO CA 91761-0000
CONTACT PHONE: **626-863-5098**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **06/09/2006**

OWNER TYPE: **OTHER**
OWNER NAME: **PEDRO CASTRO**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **ESTEBAN CASTRO**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/05/2018**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/05/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 20

Distance from Property: 0.094 mi. (496 ft.) N
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000401299**
NAME: **NORMAN'S AUTO REPAIR**
ADDRESS: **409 S BON VIEW AVE STE A**
ONTARIO, CA 91761
CONTACT NAME: **PAULINO RAMIREZ ESPINOZA**
CONTACT ADDRESS: **409 S BON VIEW AVE STE A**
ONTARIO CA 91761
CONTACT PHONE: **909-236-4416**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **10/16/2014**

OWNER TYPE: **OTHER**
OWNER NAME: **PAULINO RAMIREZ ESPINOZA**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **PAULINO RAMIREZ ESPINOZA**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 20

Distance from Property: 0.095 mi. (502 ft.) N
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0010009**
NAME: **TARAHUMARA AUTO REPAIR**
ADDRESS: **409 S BON VIEW AVE B**
ONTARIO , CA 91761
OWNER: **AVITIA, LUIS JOSE**

PERMIT DETAILS

PERMIT #: **PT0017126**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **10/31/06**
PERMIT #: **PT0017125**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **10/31/06**

Back to Report Summary

MAP ID# 20

Distance from Property: 0.095 mi. (502 ft.) N
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0010543**
NAME: **CASTRO'S TOWING & GENERAL AUTO**
ADDRESS: **409 S BON VIEW STE B**
ONTARIO , CA 91761
OWNER: **CASTRO, PEDRO & MARIA**

PERMIT DETAILS

PERMIT #: **PT0023826**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0017923**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0023826**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0017923**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0023826**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0017923**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0023826**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0017923**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0027343**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 1**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 20

Distance from Property: 0.095 mi. (502 ft.) N
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0010682**
NAME: **A-1 AUTOMOTIVE REPAIR**
ADDRESS: **409 S BON VIEW STE A**
ONTARIO , CA 91761
OWNER: **LUIS BELLO TAMALATZI**

PERMIT DETAILS

PERMIT #: **PT0018192**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/06**
PERMIT #: **PT0018191**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/06**

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 20

Distance from Property: 0.097 mi. (512 ft.) N
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0015725**
NAME: **NORMAN'S AUTO REPAIR**
ADDRESS: **409 S BON VIEW AVE A**
ONTARIO , CA 91761
OWNER: **PAULINO RAMIREZ**

PERMIT DETAILS

PERMIT #: **PT0037755**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/21**
PERMIT #: **PT0034322**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/21**
PERMIT #: **PT0037755**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/20**
PERMIT #: **PT0034322**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/20**
PERMIT #: **PT0034322**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/19**
PERMIT #: **PT0037755**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/18**
PERMIT #: **PT0034322**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/18**

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Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 21

Distance from Property: 0.108 mi. (570 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000378610**
NAME: **MBA AUTO BODY PAINT & COLLISION**
ADDRESS: **404 S BON VIEW AVE**
ONTARIO, CA 91761-1907
CONTACT NAME: **JOSE RAMIREZ**
CONTACT ADDRESS: **404 S BON VIEW AVE**
ONTARIO CA 91761-1907
CONTACT PHONE: **909-503-2374**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **09/27/2012**

OWNER TYPE: **OTHER**
OWNER NAME: **JOSE RAMIREZ**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **JOSE RAMIREZ**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 21

Distance from Property: 0.107 mi. (565 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000444629**
NAME: **ONTARIO AUTO BODY CRAFT & COLLISION**
ADDRESS: **406 S BON VIEW AVE**
ONTARIO, CA 91761
CONTACT NAME: **NOW R MIGUEL**
CONTACT ADDRESS: **406 S BON VIEW AVE**
ONTARIO CA 91761
CONTACT PHONE: **909-568-7955**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **03/21/2019**

OWNER TYPE: **OTHER**
OWNER NAME: **NOE R MIGUEL**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **NOW R MIGUEL**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**06/20/2019**

INDUSTRY CLASSIFICATION (NAICS)
811121 - AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **06/28/2019**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **YES**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 21

Distance from Property: 0.116 mi. (612 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000445481**
NAME: **HOLT AUTOBODY AND PAINT**
ADDRESS: **402 S BON VIEW AVE**
ONTARIO, CA 91761
CONTACT NAME: **BRIAN RAMIREZ**
CONTACT ADDRESS: **402 S BON VIEW AVE**
ONTARIO CA 91761
CONTACT PHONE: **909-503-2374**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **04/22/2019**

OWNER TYPE: **OTHER**
OWNER NAME: **BRIAN RAMIREZ**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **BRIAN RAMIREZ**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**06/20/2019**

INDUSTRY CLASSIFICATION (NAICS)

811121 - AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **06/28/2019**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **YES**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 21

Distance from Property: 0.098 mi. (517 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAP000148379**
NAME: **WESTERN TECHNOLOGY ASSOCIATES**
ADDRESS: **418 SOUTH BON VIEW AVE**
ONTARIO, CA 91716
CONTACT NAME: **IRA S ROSENBERG**
CONTACT ADDRESS: **PO BOX 6547**
ANAHEIM CA 92816
CONTACT PHONE: **714-333-8544**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **10/02/2003**

OWNER TYPE: **PRIVATE**
OWNER NAME: **MR IRA S ROSENBERG**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **MR IRA S ROSENBERG**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DENNIS FRIEDRICH	**AGENT FOR WESTERN TECHNOLOGY ASSOCIATES**	**09/30/2003**

INDUSTRY CLASSIFICATION (NAICS)

333319 - OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

333411 - AIR PURIFICATION EQUIPMENT MANUFACTURING

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **01/13/2004**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

D001 **IGNITABLE WASTE**

F003 **THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.**

UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 21

Distance from Property: 0.095 mi. (502 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0005597**
NAME: **MEDINA'S AUTO BODY**
ADDRESS: **422 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **MEDINA, RAUL & MARIA CARMEN**

PERMIT DETAILS

PERMIT #: **PT0009342**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/08**
PERMIT #: **PT0009341**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **8/31/08**
PERMIT #: **PT0027378**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/08**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 21

Distance from Property: 0.108 mi. (570 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0007479**
NAME: **GENERAL AUTO**
ADDRESS: **402 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **WILLIAM PEWSEY**

PERMIT DETAILS

PERMIT #: **PT0012745**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/04**
PERMIT #: **PT0012746**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/04**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 21

Distance from Property: 0.108 mi. (570 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0009801**
NAME: **FRANCO AUTO REPAIR**
ADDRESS: **412 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **SILVA, FRANCISCO**

PERMIT DETAILS

PERMIT #: **PT0016645**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/06**
PERMIT #: **PT0016646**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/06**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 21

Distance from Property: 0.116 mi. (612 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0012953**
NAME: **RSR AUTO REPAIR AND BODY SHOP**
ADDRESS: **402 S BON VIEW**
ONTARIO , CA 91761
OWNER: **SOTO, FRANCISCO**

PERMIT DETAILS

PERMIT #: **PT0022663**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/16**
PERMIT #: **PT0022662**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/13**

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MAP ID# 21

Distance from Property: 0.108 mi. (570 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0012954**
NAME: **MBA AUTO BODY PAINT & COLLISION**
ADDRESS: **404 S BON VIEW**
ONTARIO , CA 91761
OWNER: **RAMIREZ, JOSE**

PERMIT DETAILS

PERMIT #: **PT0030954**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0030954**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/16**
PERMIT #: **PT0022664**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/15**
PERMIT #: **PT0022664**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/14**
PERMIT #: **PT0022664**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/13**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 21

Distance from Property: 0.107 mi. (565 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0018148**
NAME: **ONTARIO AUTO BODY**
ADDRESS: **406 S BONVIEW**
ONTARIO , CA 91761
OWNER: **MIGUEL, NOE RAUL**

PERMIT DETAILS

PERMIT #: **PT0039235**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/21**
PERMIT #: **PT0039235**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/20**

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San Bernardino County Medical Waste Facility List (SBMW)

MAP ID# 22

Distance from Property: 0.113 mi. (597 ft.) S
Elevation: 942 ft. (Lower than TP)

SITE INFORMATION

SITE ID: **431820152**
FACILITY ID: **FA0001158**
NAME: **WEST END SHELTER**
ADDRESS: **1010 E MISSION BL**
ONTARIO, CA 91761
BILLING STATUS: **NOT REPORTED**
PROGRAM ELEMENT: **SQG - MEDICAL WASTE**

Back to Report Summary

Above Ground Storage Tanks (ABST)

MAP ID# 23

Distance from Property: 0.118 mi. (623 ft.) NW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **391025**
SITE ID: **391025**
FACILITY NAME: **D & M METALS**
ADDRESS: **840 E STATE ST**
ONTARIO, CA 91761
COUNTY: **NOT REPORTED**
FACILITY LINK: *Click Here*

FACILITY DETAILS

EI ID: **10038376**
EI DESCRIPTION: **ABOVEGROUND PETROLEUM STORAGE**

CHEMICAL DETAILS

NONE REPORTED

ENFORCEMENT DETAILS

ACTION DATE: **3/13/2017**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **APSA**
ACTION SOURCE: **CERS**

ACTION DATE: **3/13/2017**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HMRRP**
ACTION SOURCE: **CERS**

ACTION DATE: **3/13/2017**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HW**
ACTION SOURCE: **CERS**

ACTION DATE: **10/24/2013**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HMRRP**
ACTION SOURCE: **CERS**

EVALUATION DETAILS

EVALUATION DATE: **6/29/2020**
VIOLATIONS FOUND?: **YES**

GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **6/29/2020**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **6/29/2020**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **3/13/2017**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **3/13/2017**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **3/13/2017**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **10/24/2013**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **10/24/2013**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

VIOLATION DETAILS

VIOLATION DATE: **6/29/2020**
CITATION: **22 CCR 12 66262.34(F) - CALIFORNIA CODE OF REGULATIONS, TITLE 22, CHAPTER 12, SECTION(S) 66262.34(F)**
VIOLATION DESCRIPTION: **FAILURE TO PROPERLY LABEL HAZARDOUS WASTE ACCUMULATION CONTAINERS AND PORTABLE TANKS WITH THE FOLLOWING REQUIREMENTS: ""HAZARDOUS WASTE"", NAME AND ADDRESS OF THE GENERATOR, PHYSICAL AND CHEMICAL CHARACTERISTICS OF THE HAZARDOUS WASTE, AND**
NOTES: **RETURNED TO COMPLIANCE ON 07/30/2020. OBSERVATION: THE TOTE USED TO COLLECT WASTE ABSORBENT WAS FOUND WITHOUT A HAZARDOUS WASTE THE TOTE USE TO COLLECT WASTE CAPACITORS WASTE FOUND OPEN AND NOT MANAGED IN ACCORDANCE WITH UNIVERSAL WASTE LA**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **40 CFR 1 265.173 - U.S. CODE OF FEDERAL REGULATIONS, TITLE 40, CHAPTER 1, SECTION(S) 265.173**
VIOLATION DESCRIPTION: **FAILURE TO MEET THE FOLLOWING CONTAINER MANAGEMENT REQUIREMENTS: (A) A CONTAINER HOLDING HAZARDOUS WASTE MUST ALWAYS BE CLOSED DURING STORAGE, EXCEPT WHEN IT IS NECESSARY TO ADD OR REMOVE WASTE. (B) A CONTAINER HO**
NOTES: **RETURNED TO COMPLIANCE ON 07/30/2020. OBSERVATION: THE CONTAINER USED TO COLLECT CAPACITORS AND A DRUM OF WASTE OIL WERE FOUND LEFT OPEN. CORRECTIVE ACTION: CLOSE ALL THE HAZARDOUS WASTE CONTAINERS AND SUBMIT PHOTOS TO THE CUPA DEMONSTRAT**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **40 CFR 1 265.174 - U.S. CODE OF FEDERAL REGULATIONS, TITLE 40, CHAPTER 1, SECTION(S) 265.174**
VIOLATION DESCRIPTION: **FAILURE TO INSPECT HAZARDOUS WASTE STORAGE AREAS AT LEAST WEEKLY AND LOOK FOR LEAKING AND DETERIORATING CONTAINERS.**

NOTES: **RETURNED TO COMPLIANCE ON 07/30/2020. OBSERVATION: A WEEKLY INSPECTION OF THE HAZARDOUS WASTE COLLECTION AREA HAS NOT BEEN CONDUCTED SINCE MAY 2020. CORRECTIVE ACTION: SUBMIT A COPY OF THE INSPECTION LOG DEMONSTRATING THAT THE HAZARDOUS**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **HSC 6.5 25211.3 - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) 25211.3**
VIOLATION DESCRIPTION: **FAILURE OF CERTIFIED APPLIANCE RECYCLER (CAR) TO PROVIDE DOCUMENTATION THAT ALL MATERIALS THAT REQUIRE SPECIAL HANDLING (MRSH) HAVE BEEN REMOVED.**
NOTES: **RETURNED TO COMPLIANCE ON 07/30/2020. OBSERVATION: DTSC FORM 1468 THE ORPHAN APPLIANCE MONTHLY FORM HAS NOT BEEN SUBMITTED TO THIS AGENCY. THE FORM IS REQUIRED TO BE SUBMITTED TO THE DTSC AND THE LOCAL CUPA. IN ADDITION DTSC FORM 1430 WAS**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**
VIOLATION DESCRIPTION: **FAILURE TO IMPLEMENT THE SPCC PLAN.**
NOTES: **RETURNED TO COMPLIANCE ON 07/30/2020. OBSERVATION: IT WAS FOUND THAT AS PART OF THE 2017 INSPECTION REPORT THAT A SPCC PLAN WAS PREPARED. THE PLAN WAS HOWEVER NOT IMPLEMENTED. IT WAS ALSO FOUND THAT THE MANAGEMENT APPROVAL SECTION WAS NOT**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **APSA**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **HSC 6.95 25505(A)(4) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25505(A)(4)**
VIOLATION DESCRIPTION: **FAILURE TO PROVIDE INITIAL AND ANNUAL TRAINING TO ALL EMPLOYEES IN SAFETY PROCEDURES IN THE EVENT OF A RELEASE OR THREATENED RELEASE OF A HAZARDOUS MATERIAL OR FAILURE TO DOCUMENT AND MAINTAIN TRAINING RECORDS FOR A MINIMUM OF THREE YEARS.**
NOTES: **RETURNED TO COMPLIANCE ON 07/30/2020. OBSERVATION: EMPLOYEE SAFETY TRAINING HAS NOT TAKEN PLACE SINCE 2019. CORRECTIVE ACTION: CONDUCT ANNUAL EMPLOYEE REFRESHER TRAINING AND MAINTAIN TRAINING RECORDS FOR A MINIMUM OF THREE YEARS. SUBMIT A**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **HSC 6.95 25508(A)(1) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25508(A)(1)**
VIOLATION DESCRIPTION: **FAILURE TO COMPLETE AND ELECTRONICALLY SUBMIT A SITE MAP WITH ALL REQUIRED CONTENT.**
NOTES: **RETURNED TO COMPLIANCE ON 07/03/2020. OBSERVATION: THE LOCATION OF THE PROPANE TANK SHOWN ON THE CERS MAP IS NOT CORRECT. CORRECTIVE ACTION: SUBMIT AN ACCURATE AND COMPLETE SITE MAP INTO CERS.**

VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **HSC 6.95 25508.1(A)-(F) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25508.1(A)-(F)**
VIOLATION DESCRIPTION: **FAILURE TO ELECTRONICALLY UPDATE BUSINESS PLAN WITHIN 30 DAYS OF ANY ONE OF THE FOLLOWING EVENTS: A 100 PERCENT OR MORE INCREASE IN THE QUANTITY OF A PREVIOUSLY DISCLOSED MATERIAL. ANY HANDLING OF A PREVIOUSLY UNDISCLOSED HAZARDOUS MATERI**
NOTES: **RETURNED TO COMPLIANCE ON 07/03/2020. OBSERVATION: THE ENVIRONMENTAL CONTACT INFORMATION PROVIDED IN CERS IS NOT CORRECT. CORRECTIVE ACTION: UPDATE THE BUSINESS PLAN INFORMATION. SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE TO INDICATE CERS**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 25211.3 - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) 25211.3**
VIOLATION DESCRIPTION: **FAILURE OF CERTIFIED APPLIANCE RECYCLER (CAR) TO PROVIDE DOCUMENTATION THAT ALL MATERIALS THAT REQUIRE SPECIAL HANDLING (MRSH) HAVE BEEN REMOVED.**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. AT TIME OF INSPECTION, FORM 1468 WAS NOT BEING SUBMITTED TO THIS DIVISION.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 25211.4 - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) 25211.4**
VIOLATION DESCRIPTION: **FAILURE TO OBTAIN CERTIFIED APPLIANCE RECYCLER CERTIFICATION (CAR) FROM DTSC.**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. CAR CERTIFICATION FROM DTSC EXPIRED.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 25212(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) 25212(A)**
VIOLATION DESCRIPTION: **FAILURE OF CERTIFIED APPLIANCE RECYCLER (CAR) TO PROVIDE DOCUMENTATION THAT ALL MATERIALS THAT REQUIRE SPECIAL HANDLING (MRSH) HAVE BEEN REMOVED.**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. AT TIME OF INSPECTION, 1430 FORMS WERE NOT AVAILABLE FOR REVIEW.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**

VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. FAILURE TO COMPLETE HAZARDOUS WASTE LABELS (CCR 66262.34(F)(3)) HAZARDOUS WASTE LABELS MISSING THE REQUIRED INFORMATION.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. FAILURE TO KEEP HAZARDOUS WASTE CONTAINERS CLOSED WHEN NOT IN ACTIVE USE (CCR 66265.173(A)) OPEN HAZARDOUS WASTE CONTAINERS OBSERVED.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. FAILURE TO LABEL HAZARDOUS WASTE CONTAINERS (CCR 66262.34(F)(3)) (2) 250 GAL CONTAINERS OF WASTE DIESEL WERE MISSING THE HAZARDOUS WASTE LABEL.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. FAILURE TO NOTE ACCUMULATION START DATE ON LABELS (CCR 66262.34(F)(2)) ACCUMULATION START DATE MISSING ON WASTE DIESEL CONTAINERS.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. FAILURE TO OPERATE AND MAINTAIN FACILITY TO PREVENT A FIRE, SPILL OR RELEASE (CCR 66265.31) OBSERVED OPEN CONTAINERS OF HAZARDOUS WASTE THROUGHOUT THE FACILITY.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**

VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. HAZARDOUS WASTE ACCUMULATION TIME EXCEEDED (CCR 66262.34(A)) ACCUMULATION TIME FOR STORAGE ON SITE EXCEEDED FOR THE (1) 500 LB CONTAINER OF WASTE SOLIDS.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**
VIOLATION DESCRIPTION: **FAILURE TO PREPARE AND IMPLEMENT A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN.**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. SPCC PLAN NOT PREPARED**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **APSA**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.67 25270.6(B) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.6(B)**
VIOLATION DESCRIPTION: **FAILURE TO PAY THE APSA PROGRAM FEE.**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. APSA PERMIT NOT OBTAINED WITH THIS DIVISION.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **APSA**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.95 25508(A)(1) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25508(A)(1)**
VIOLATION DESCRIPTION: **FAILURE TO ANNUALLY REVIEW AND ELECTRONICALLY CERTIFY THAT THE BUSINESS PLAN IS COMPLETE AND ACCURATE ON OR BEFORE THE ANNUAL DUE DATE.**
NOTES: **RETURNED TO COMPLIANCE ON 05/09/2017. BUSINESS PLAN NOT SUBMITTED ANNUALLY TO CERS.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **10/24/2013**
CITATION: **HSC 6.95 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **BUSINESS PLAN PROGRAM - ADMINISTRATION/DOCUMENTATION - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 11/22/2013. FAILURE TO OBTAIN A CUPA HAZARDOUS MATERIALS HANDLER PERMIT (SBCC 23.0602(A))**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

AFFILIATION DETAILS

ENTITY NAME: **SAN BERNARDINO COUNTY FIRE**
ENTITY TITLE: **NOT REPORTED**

AFFILIATION ADDRESS: **620 SOUTH E STREET**
SAN BERNARDINO, CA 92415-0153
AFFILIATION DESCRIPTION: **CUPA DISTRICT**
ENTITY PHONE NUMBER: **(909) 386-8401**

ENTITY NAME: **WADE RIDDERING**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **DOCUMENT PREPARER**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **MICHAEL CURRAN**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **840 EAST STATE ST**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **ENVIRONMENTAL CONTACT**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **MAILING ADDRESS**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **840 EAST STATE STREET**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **FACILITY MAILING ADDRESS**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **MICHAEL CURRAN**
ENTITY TITLE: **PRESIDENT**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **IDENTIFICATION SIGNER**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **C&C SCRAP SERVICES, INC.**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **1432 E. 1ST STREET**
POMONA, CA 91766
AFFILIATION DESCRIPTION: **LEGAL OWNER**
ENTITY PHONE NUMBER: **(909) 623-1373**

ENTITY NAME: **D & M METALS**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **OPERATOR**

ENTITY PHONE NUMBER: **(909) 986-1996**

ENTITY NAME: **D & M METALS**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **PARENT CORPORATION**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **JOHN LEE**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **2130 WINTERWOOD DR.**
FULLERTON, CA 92833
AFFILIATION DESCRIPTION: **PROPERTY OWNER**
ENTITY PHONE NUMBER: **(714) 738-8976**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 23

Distance from Property: 0.118 mi. (623 ft.) NW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000277999**
NAME: **D & M METALS**
ADDRESS: **840 E STATE ST**
ONTARIO, CA 91761
CONTACT NAME: **MICHAEL CURRAN**
CONTACT ADDRESS: **840 E STATE ST**
ONTARIO CA 91761-0000
CONTACT PHONE: **909-986-1996**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **01/12/2004**

OWNER TYPE: **OTHER**
OWNER NAME: **D & M METALS INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **MICHAEL CURRAN**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/05/2018**

INDUSTRY CLASSIFICATION (NAICS)
42193 - RECYCLABLE MATERIAL WHOLESALERS

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/05/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 23

Distance from Property: 0.118 mi. (623 ft.) NW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0002601**
NAME: **D & M METALS**
ADDRESS: **840 E STATE ST**
ONTARIO , CA 91761
OWNER: **C&C SCRAP SERVICES, INC.**

PERMIT DETAILS

PERMIT #: **PT0002805**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0002804**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0036847**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0002805**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0002804**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0036847**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0002805**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0002804**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0036847**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0026461**

PERMIT DESCRIPTION: **APPLIANCE RECYCLER**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0002805**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0002804**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0036847**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0026891**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**

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Recycling Centers (SWRCY)

MAP ID# 23

Distance from Property: 0.118 mi. (623 ft.) NW
Elevation: 972 ft. (Higher than TP)

SITE INFORMATION

ID #: **RC194495.001**
NAME: **D & M METALS**
ADDRESS: **840 E STATE ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761-1836**
COUNTY: **SAN BERNARDINO**

SITE DETAILS

OPERATION BEGIN DATE: **10/6/2013**
OPERATION END DATE: **NOT REPORTED**
PROGRAM PHONE: **(909) 228-7224**
ORGANIZATION NAME: **C & C SCRAP SERVICES INC**
ADDRESS: **1432 E 1ST ST**
POMONA CA 91766
GLASS: **ACCEPTED**
ALUMINIUM: **ACCEPTED**
PLASTIC: **ACCEPTED**
BIMETAL: **ACCEPTED**

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Recycling Centers (SWRCY)

MAP ID# 23

Distance from Property: 0.140 mi. (739 ft.) NW
Elevation: 972 ft. (Higher than TP)

SITE INFORMATION

ID #: **RC4663**
NAME: **D AND M METALS**
ADDRESS: **840 E STATE ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761**
COUNTY: **SAN BERNARDINO**

SITE DETAILS

OPERATION BEGIN DATE: **06/01/92**
OPERATION END DATE: **NOT REPORTED**
PROGRAM PHONE: **(909) 986-1996**
ORGANIZATION NAME: **J LEES METALS INC**
ADDRESS: **840 E STATE ST**
ONTARIO CA 91761
GLASS: **ACCEPTED**
ALUMINIUM: **ACCEPTED**
PLASTIC: **ACCEPTED**
BIMETAL: **ACCEPTED**

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 24

Distance from Property: 0.140 mi. (739 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100140**
URL LINK: CLICK HERE
BUSINESS NAME: **MISSION READY MIX**
ADDRESS: **840 S CUCAMONGA AVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083601221T**
STATUS: **COMPLETED - CASE CLOSED 8/31/1993**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/01/50**	**LEAK STOPPED**
ENFORCEMENT	**08/31/1993**	**CLOSURE/NO FURTHER ACTION LETTER**
OTHER	**07/12/1989**	**LEAK REPORTED**
OTHER	**02/02/1989**	**LEAK DISCOVERY**
OTHER	**01/30/1989**	**LEAK STOPPED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**08/31/1993**
OPEN - REMEDIATION	**03/15/1990**
OPEN - SITE ASSESSMENT	**07/21/1989**
OPEN - CASE BEGIN DATE	**01/30/1989**
OPEN - SITE ASSESSMENT	**01/30/1989**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **VALERIE JAHN-BULL**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**

CONTACT PHONE: **9517824903**
EMAIL: **VALERIE.JAHN-BULL@WATERBOARDS.CA.GOV**

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Historical Cortese List (HISTCORTESE)

MAP ID# 24

Distance from Property: 0.118 mi. (623 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083601221TCOR**
ID#: **083601221T**
NAME: **MISSION READY MIX**
ADDRESS: **840 CUCAAMONGA**
ONTARIO, CA 91761

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MAP ID# 24

Distance from Property: 0.140 mi. (739 ft.) SE
Elevation: 937 ft. (Lower than TP)

MISSION READY MIX CONCRETE IN, 840 S CUCAMONGA AVE, ONTARIO, CA 91761
UNIQUE ID: **0002A26A**

*** GOS ***

PAGE 3270 — STATE WATER RESOURCES CONTROL BOARD — 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
MISSION READY MIX CONCRETE, IN
840 S. CUCAMONGA ONTARIO CA 91761

II FACILITY

	MAILING ADDRESS	DEALER/FOREMAN/SUPERVISOR	TYPE OF BUSINESS
MISSION READY MIX CONCRETE, IN	TOWNSHIP/RANGE/SECTION	TELEPHONE	NO. OF CONTAINERS
840 S. CUCAMONGA AVE.			
ONTARIO CA 91761	P.O. BOX 114		READY MIX CONCRETE
	ONTARIO CA 91761		
CROSS STREET :		(714) 947-3661	2
MISSION BLVD.			

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: OVERGAARD, WILLIS (714) 983-6056 NIGHT: SAME ( ) -

********** OWNER ASSIGNED CONTAINER NUMBER: 1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000012855001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG:
C. YEAR INSTALLED : 1972
D. CAPACITY (GALLONS) : 10,000
E. REPAIRS : UNKN IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: UNLEADED

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 1/4 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : CATHODIC

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING : SUCTION
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12031 UNLEADED MOTOR VEHICLE FUEL

*** HOS ***

*** HOS ***

PAGE 3271 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: 2 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000012855002 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /
C. YEAR INSTALLED : 1972
D. CAPACITY (GALLONS) : 10,000
E. REPAIRS : UNKN IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 1/4 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : CATHODIC

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING : SUCTION
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL

Back to Report Summary

Leaking Underground Storage Tanks (LUST)

MAP ID# 24

Distance from Property: 0.140 mi. (739 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100140**
URL LINK: CLICK HERE
BUSINESS NAME: **MISSION READY MIX**
ADDRESS: **840 S CUCAMONGA AVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083601221T**
STATUS: **COMPLETED - CASE CLOSED 08/31/1993**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

Back to Report Summary

MAP ID# 24

Distance from Property: 0.140 mi. (739 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0004754**
NAME: **HOLLIDAY ROCK - ONTARIO**
ADDRESS: **840 S CUCAMONGA AVE**
ONTARIO , CA 91762
OWNER: **HOLLIDAY ROCK**

PERMIT DETAILS

PERMIT #: **PT0002125**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0012012**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0002126**
PERMIT DESCRIPTION: **WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0002125**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0012012**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0002126**
PERMIT DESCRIPTION: **WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0002125**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0012012**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0002126**
PERMIT DESCRIPTION: **WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0002125**

PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0012012**
PERMIT DESCRIPTION: **UST OWNERSHIP/OPERATING PERMIT (PER UST)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0002126**
PERMIT DESCRIPTION: **WASTE INCIDENTAL UST OPERATION ONLY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0002126**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/16**
PERMIT #: **PT0002125**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/16**
PERMIT #: **PT0012012**
PERMIT DESCRIPTION: **UST OWNERSHIP/OPERATING PERMIT (PER UST)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/16**
PERMIT #: **PT0025211**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/14**
PERMIT #: **PT0025413**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/14**
PERMIT #: **PT0025413**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0025211**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0002126**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0025413**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**

PERMIT #: **PT0025211**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0012012**
PERMIT DESCRIPTION: **UST OWNERSHIP/OPERATING PERMIT (PER UST)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0002125**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**

Back to Report Summary

MAP ID# 24

Distance from Property: 0.140 mi. (739 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

FACILITY #: **12855**
BOE: **44-020418**
NAME: **MISSION READY MIX CONCRETE, IN**
ADDRESS: **840 S CUCAMONGA AVE**
ONTARIO, CA 91761

STATUS: **ACTIVE**
JURISDICTION: **SAN BERNARDINO COUNTY**
AGENCY: **ENVIRONMENTAL HEALTH - U.S.T.**

TANK INFORMATION

TANK #: **000001**
INSTALLED: **NOT REPORTED**
TANK USE: **M.V. FUEL**
CONTENT: **REG UNLEADED**

CAPACITY: **10000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **PRODUCT**
CONTAINMENT: **NOT REPORTED**

TANK #: **000002**
INSTALLED: **NOT REPORTED**
TANK USE: **M.V. FUEL**
CONTENT: **DIESEL**

CAPACITY: **10000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **PRODUCT**
CONTAINMENT: **NOT REPORTED**

Back to Report Summary

Underground Storage Tanks (USTCUPA)

MAP ID# 24

Distance from Property: 0.140 mi. (739 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **3255466561** FACILITY ID: **FA0004754**

NAME: **HOLLIDAY ROCK - ONTARIO**

ADDRESS: **840 S. CUCAMONGA AVE.**
ONTARIO, CA 91762

COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

OTHER FACILITY NAME(S) LISTED FOR THIS SITE: **HOLLIDAY ROCK - ONTARIO**

PERMIT AGENCY: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**

FACILITY DETAILS LINK: *Click Here*

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 25

Distance from Property: 0.120 mi. (634 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

EPA ID#: **CAC003001133**
NAME: **HARRIE COHEN**
ADDRESS: **635 TAYLOR AVENUE**
ONTARIO, CA 91761
CONTACT NAME: **HARRIE COHEN**
CONTACT ADDRESS: **717 SOUTH TAYLOR AVENUE**
ONTARIO CA 91761
CONTACT PHONE: **909-988-8900**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **02/14/2019**

OWNER TYPE: **OTHER**
OWNER NAME: **HARRIE COHEN**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **HARRIE COHEN**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**02/22/2019**

INDUSTRY CLASSIFICATION (NAICS)
56299 - ALL OTHER WASTE MANAGEMENT SERVICES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **02/22/2019**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 25

Distance from Property: 0.120 mi. (634 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID#: **FA0015841**
NAME: **ONTARIO PROPERTY**
ADDRESS: **635 S TAYLOR AVE**
ONTARIO , CA 91761
OWNER: **COHEN, HARRIE B**

PERMIT DETAILS

PERMIT #: **PT0034558**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **3/31/16**
PERMIT #: **PT0034559**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **3/31/16**

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MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID #: **36360019**
NAME: **ISAAC COHEN AND SON INC**
ADDRESS: **717 SOUTH TAYLOR AVENUE**
ONTARIO, CA
STATUS (DATE): **CERTIFIED (06/30/1989)**
STANDARD INDUSTRIAL CLASSIFICATION BELIEVED TO BE CAUSE OF (POTENTIAL) CONTAMINATION:
MANU - ELECTRONIC & OTHER ELECTRIC EQUIP
ACCESS TO SITE: **NOT REPORTED**
GROUNDWATER CONTAMINATION: **C**

COMMENTS

ENFORCEMENT(OTHER) DHS. ORDER TO ABATE VIOS FACILITY IDENTIFIED ID'VIA RWQCB INACTIVE FILES BOX #65 BATTERY ACID STORAGE ON SITE 1979 THIS IS THE DATE THE SITE WAS FIRST LISTED PURSUANT TO SECTION 25356. METAL SALVAGE AND RECYCLING FACILITY. CONTAMINANTS INCLUDE SULFURIC ACID, ARSENIC, AND LEAD. PERMIT(OTHER) CO ISSUED HAZ WASTE GENERATOR PERMIT INSPECTION(STATE) RWQCB. ROUTINE COMPLI INSP. VIOS: 20GAL BATTERY ACID SPILL ONLY 2" OF FREEBOARD (12"REQUIRED),SMALL HOLES NEAR TOP OF TANK W/ LEAKS. ENFORCEMENT ACTION DHS. ENF LETTER. ENFORCEMENT(OTHER) CO PUB WK. ORDER TO ABATE VIOS. INSPECTION(STATE) RWQCB. ROUTINE COMPLI. NO VIO. VIOLATION DETECTED COMPLAINT FROM EMPL OF FARM ICE MACHINE CO.-CAUSTIC ODORS CAUSED EYE/THROAT IRRI ENFORCEMENT(OTHER) SENT PRIOR TO 6/24/74.3/1/82 ENFO LETTER FACILITY DRIVE-BY ACTIVE. OILY GROUND. BAD HOUSEKEEPING SITE INSP REQ. OPERATIONS INCLUDE RECYCLING OF OLD BATTERIES (LEAD & ACID) AND RECYCLING OF SCRAP METAL. IN OPERATION APPROXIMATELY TWENTY YEARS. ENFORCEMENT(OTHER) RWQCB. NOTIFY WASTE DISCH REP HAS TO BE INSPECTION(STATE) RWQCB. RESPONSE TO COMPLAINT, UNWASHED BATTERY CASES STORED WHERE STORM RUNOFF WATER CAN'T BE CONTROLLED, MESSY. EPA'S FIT TEAM E&E COMPLETED SITE INSPECTION RECOMMENDING NO FURTHER ACTION. DHS CERTIFIED SITE CLEAN. NO FURTHER ACTION REQUIRED. ABANDONED SITE ASSESSMENT PROGRAM (ASAP) DRIVE-BY: ACTIVE SITE. ENTRANCE IS PAVED. YARD IS ON DIRT. CRANE. HEAPS OF RUBBLE AND SCRAP METAL, PILES OF BATTERIES, STACKS OF 55- GALLON DRUMS, AND UNDETERMINED AMOUNT OF WASTE MATERIAL ON SITE. RECOMMEND SOIL SAMPLING IN EAST AREA. DIRT ON AND BELOW ASPHALT WITH CRACKS. SOIL CORE BELOW ASPHALT AND IMPACT OF GROUNDWATER IS OF CONCERN. INSPECTION(STATE) RWQCB. F-U INSP. STORAGE CONTINUES IN UNPROTECTED AREA. INSPECTION(STATE) RWQCB. ACID DRAINING TO STREET. VIOLATION DETECTED ACID TO STREET INSPECTION(STATE) RWQCB. F-U INSP. NO CHANGE. INSPECTION(STATE) RWQCB. COMPLAINT & SPILL REP FROM PUBLIC NOTIFY COHEN THAT SILLS MUST CEASE(PH=1, SPILL SAMPLE; 50 GAL WASTE TO GROUND). ENFORCEMENT(OTHER) CO ENVR.REQ TO C-U & IMPROVE DISP OF WST INSPECTION(STATE) DOHS PROBABLE CALOSHA VIOLATIONS, LEAD AND SULFURIC ACID TO GROUND. VIOLATION DETECTED ILLEGAL DISCH OF HAZ W ON-SITE (DOHS). INSPECTION(STATE) RWQCB. ROUTINE COMPLI. PROGRESS NOTED. INSPECTION(LOCAL) COMPLAINT FROM WATER ANALYST, CITY OF ONTARIO, NUMEROUS SPILLS OF DIESEL OIL FUEL VIOLATIONS REPORTED OF RCRA & STATE HAZ WASTE LAWS. INSPECTION(STATE) RWQCB. F-U INSP.

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MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

SITE INFORMATION

ID #: **36360019** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **ISAAC COHEN AND SON INC**
ADDRESS: **717 SOUTH TAYLOR AVENUE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES): **0**
LEAD AGENCY: **SMBRP**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: **THOMAS COTA**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **STATE RESPONSE**
SITE TYPE DESCRIPTION
STATE RESPONSE OR NPL
DTSC's CURRENT INVOLVEMENT AT SITE (as of 1989-06-30 00:00:00)
CERTIFIED - IDENTIFIES COMPLETED SITES WITH PREVIOUSLY CONFIRMED RELEASE THAT ARE SUBSEQUENTLY CERTIFIED BY DTSC AS HAVING BEEN REMEDIATED SATISFACTORILY UNDER DTSC OVERSIGHT
PAST USE/S THAT CAUSED THE CONTAMINATION
RECYCLING - SCRAP METAL
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

Back to Report Summary

MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

SITE INFORMATION

ID #: **36990004** ASSESSOR'S PARCEL #: **1049-212-07, 1049-212-08, 1049-212-09, 1049-212-10, 1049-212-11, 1049-212-12, 10490212-05, 10490212-06**

FACILITY LINK: CLICK HERE

NAME: **ONTARIO METAL RECYCLING**

ADDRESS: **717 S. TAYLOR AVENUE**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

SITE SIZE (ACRES): **2**

LEAD AGENCY: **SMBRP**

DTSC PROJECT MANAGER: **JOHNSON ABRAHAM**

DTSC SUPERVISOR: **SHAHIR HADDAD**

DTSC DIVISION BRANCH: **SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH**

NPL LISTED: **NO** RESTRICTED LAND USE: **YES**

SITE TYPE: **VOLUNTARY CLEANUP**

SITE TYPE DESCRIPTION

VOLUNTARY CLEANUP

DTSC's CURRENT INVOLVEMENT AT SITE (as of 2018-03-30 00:00:00)

NO FURTHER ACTION - IDENTIFIES COMPLETED SITES WHERE DTSC DETERMINED AFTER INVESTIGATION, GENERALLY A PEA (AN INITIAL ASSESSMENT), THAT THE PROPERTY DOES NOT POSE A PROBLEM TO PUBLIC HEALTH OR THE ENVIRONMENT

PAST USE/S THAT CAUSED THE CONTAMINATION

RECYCLING - SCRAP METAL

CONFIRMED CONTAMINANTS OF CONCERN

NONE SPECIFIED

Back to Report Summary

No Further Action Determination (NFA)

MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

GEOSEARCH ID: **36990004**
ENVIROSTOR ID: **36990004**
FACILITY NAME: **ONTARIO METAL RECYCLING**
ADDRESS: **717 S. TAYLOR AVENUE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

PROGRAM TYPE: **VOLUNTARY CLEANUP**
STATUS: **NO FURTHER ACTION**
STATUS DATE: **3/30/2018**
CALENVIROSCREEN SCORE: **96-100%**
SITE CODE: **401134, 401293**

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Resource Conservation & Recovery Act - Generator (RCRAGR09)

MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

EPA ID#: **CAD052851078**
NAME: **COHEN ISAAC & SON**
ADDRESS: **717 S TAYLOR**
ONTARIO, CA 91761
CONTACT NAME:
CONTACT ADDRESS: **717 S TAYLOR**
ONTARIO CA 91761
CONTACT PHONE:
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **09/01/1996**
CERTIFICATION **- NO CERTIFICATION REPORTED -**
INDUSTRY CLASSIFICATION (NAICS)
42193 - RECYCLABLE MATERIAL WHOLESALERS

OWNER TYPE: **PRIVATE**
OWNER NAME: **ISAAC & HARRIE COHEN**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **NOT REQUIRED**

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **09/15/2000**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT
NO CORRECTIVE ACTION EVENT(S) REPORTED

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Superfund Enterprise Management System Archived Site Inventory (SEMSARCH)

MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

EPA ID#: **CAD052851078**
SITE ID#: **0901428**
NAME: **COHEN ISAAC & SON INC**
ADDRESS: **717 S TAYLOR**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FEDERAL FACILITY: **NOT A FEDERAL FACILITY**
SUPERFUND ALTERNATIVE AGREEMENT IN PLACE?: **NO**
NPL: **NOT ON THE NPL**
NON NPL STATUS: **NFRAP-SITE DOES NOT QUALIFY FOR THE NPL BASED ON EXISTING INFORMATION**
SUPERFUND SITE INFORMATION: **CLICK HERE**

Below information was gathered from the prior NFRAP update completed in 10/2013 update:

ACTION	START DATE	COMPLETION DATE	RESPONSIBILITY
PA - PRELIMINARY ASSESSMENT	**2/1/1985**	**5/1/1985**	**STATE (FUND)**
DS - DISCOVERY	**NOT REPORTED**	**7/1/1980**	**EPA FUND**
PA - PRELIMINARY ASSESSMENT	**NOT REPORTED**	**1/18/1989**	**EPA FUND**
SI - SITE INSPECTION	**NOT REPORTED**	**3/23/1990**	**EPA FUND**
VS - ARCHIVE SITE	**NOT REPORTED**	**3/23/1990**	**EPA IN-HOUSE**

ACTION DESCRIPTIONS

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

DS - (DISCOVERY) - THE PROCESS BY WHICH A POTENTIAL HAZARDOUS WASTE SITE IS BROUGHT TO THE ATTENTION OF THE EPA. THE PROCESS CAN OCCUR THROUGH THE USE OF SEVERAL MECHANISMS SUCH AS A PHONE CALL OR REFERRAL BY ANOTHER GOVERNMENT AGENCY.

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

SI - (SITE INSPECTION) - THE PROCESS OF COLLECTING SITE DATA AND SAMPLES TO CHARACTERIZE THE SEVERITY OF THE HAZARD FOR THE HAZARD RANKING SCORE AND/OR ENFORCEMENT SUPPORT.

VS - (ARCHIVE SITE) - THE DECISION IS MADE THAT NO FURTHER ACTIVITY IS PLANNED AT THE SITE.

Back to Report Summary

Voluntary Cleanup Program (VCP)

MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

SITE INFORMATION

ID #: **36990004** ASSESSOR'S PARCEL #: **1049-212-07, 1049-212-08, 1049-212-09, 1049-212-10, 1049-212-11, 1049-212-12, 10490212-05, 10490212-06**

URL LINK: CLICK HERE

NAME: **ONTARIO METAL RECYCLING**

ADDRESS: **717 S. TAYLOR AVENUE**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

SITE SIZE (ACRES): **2**

LEAD AGENCY: **SMBRP**

DTSC PROJECT MANAGER: **JOHNSON ABRAHAM**

DTSC SUPERVISOR: **SHAHIR HADDAD**

DTSC DIVISION BRANCH: **SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH**

NPL LISTED: **NO** RESTRICTED LAND USE: **YES**

SITE TYPE: **VOLUNTARY CLEANUP**

SITE TYPE DESCRIPTION

VOLUNTARY CLEANUP

DTSC's CURRENT INVOLVEMENT AT SITE (as of 2018-03-30 00:00:00)

NO FURTHER ACTION - IDENTIFIES COMPLETED SITES WHERE DTSC DETERMINED AFTER INVESTIGATION, GENERALLY A PEA (AN INITIAL ASSESSMENT), THAT THE PROPERTY DOES NOT POSE A PROBLEM TO PUBLIC HEALTH OR THE ENVIRONMENT

PAST USE/S THAT CAUSED THE CONTAMINATION

RECYCLING - SCRAP METAL

CONFIRMED CONTAMINANTS OF CONCERN

NONE SPECIFIED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 27

Distance from Property: 0.126 mi. (665 ft.) WSW
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID#: **FA0009440**
NAME: **J & J INDUSTRIAL SERVICES**
ADDRESS: **820 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **J & J INDUSTRIAL SERVICES**

PERMIT DETAILS

PERMIT #: **PT0016129**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **1/31/16**
PERMIT #: **PT0016128**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **1/31/16**
PERMIT #: **PT0016129**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **01/31/14**
PERMIT #: **PT0016128**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **01/31/14**

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 28

Distance from Property: 0.136 mi. (718 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0004270**
NAME: **KLEIN PRODUCTS, INC.**
ADDRESS: **816 S CUCAMONGA AVE**
ONTARIO , CA 91761
OWNER: **KLEIN PRODUCTS, INC.**

PERMIT DETAILS

PERMIT #: **PT0020482**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/17**
PERMIT #: **PT0006722**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/17**
PERMIT #: **PT0020482**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0006722**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0020482**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/13**
PERMIT #: **PT0006722**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/13**
PERMIT #: **PT0027828**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/13**
PERMIT #: **PT0020443**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/08**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 28

Distance from Property: 0.136 mi. (718 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0017179**
NAME: **NICKOLAS STEEL, INC.**
ADDRESS: **816 S CUCAMONGA AVE**
ONTARIO , CA 91761
OWNER: **NICKOLAS STEEL, INC.**

PERMIT DETAILS

PERMIT #: **PT0036601**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/21**
PERMIT #: **PT0036601**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/20**
PERMIT #: **PT0036601**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/19**
PERMIT #: **PT0036601**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/18**
PERMIT #: **PT0036601**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/17**

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CALSITES Database (CALSITES)

MAP ID# 29

Distance from Property: 0.148 mi. (781 ft.) NW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

ID #: **36500005**

NAME: **D & M METALS, INC**

ADDRESS: **824 EAST STATE STREET**
ONTARIO, CA

STATUS (DATE): **PROPERTY/SITE REFERRED TO ANOTHER AGENCY (08/22/1995)**

STANDARD INDUSTRIAL CLASSIFICATION BELIEVED TO BE CAUSE OF (POTENTIAL) CONTAMINATION:
WHOLESALE TRADE - DURABLE GOODS

ACCESS TO SITE: **CONTROLLED**

GROUNDWATER CONTAMINATION: **NOT REPORTED**

COMMENTS

FACILITY IDENTIFIED ID VIA DMI FILE LISTING FACILITY DRIVE-BY ACTIVE ALUMINUM SMELTER ON SITE POOR HOUSEKEEPING FINAL STRATEGY SITE REFERED: TO HWMB/ENF SITE SCREENING DONE FURTHER RECORD SEARCH NEEDED. FACILITY DRIVE-BY DRIVE BY SHOWING USED AUTO BATTERIES, CORROSIVE AND CYANIDE DRUMS. 1 CORROSIV AND 2 CYANIDE DRUMS OUTSIDE FENCE. GROUND PHOTOS DRIVEBY PHOTOS ATTACHED TO REPORT. CONTACTS: D&M METALS, JIM CAVANAUGH SAN BERNARDINO CO. ASSESSOR'S OFFICE CO. DEPT. OF ENVIR HEALTH, PETE BRIERTY CITY OF ONTARIO, ENGINEERING DEPT. ONTARIO FIRE DEPT. PRELIM ASSESS DONE EPA RECOMMENDATION: NO FURTHER ACTION SINCE IT IS UNLIKELY TO QUALIFY FOR THE NPL. STATE RECOMMENDATION: SI LOW BASED ON THE LACK OF INFORMATION ON HISTORIC USE OF THE SITE (REPORTEDLY AN OIL DISTRIB. AND STYROFOAM MNFR.). SITE SCREENING/FILE SEARCH CONCLUDES NFA FOR DTSC. DUE TO PETROLEUM EXCLUSION, REFER TO COUNTY.

Back to Report Summary

EnviroStor Cleanup Sites (ENVIROSTOR)

MAP ID# 29

Distance from Property: 0.148 mi. (781 ft.) NW
Elevation: 972 ft. (Higher than TP)

SITE INFORMATION

ID #: **36500005** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **D & M METALS, INC**
ADDRESS: **824 EAST STATE STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: *** MMONROY**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **HISTORICAL**
SITE TYPE DESCRIPTION
*** HISTORICAL**
DTSC's CURRENT INVOLVEMENT AT SITE (as of 1995-08-22 00:00:00)
REFER: OTHER AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

Back to Report Summary

Referred to Another Local or State Agency (REF)

MAP ID# 29

Distance from Property: 0.148 mi. (781 ft.) NW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **36500005**
ENVIROSTOR ID: **36500005**
FACILITY NAME: **D & M METALS, INC**
ADDRESS: **824 EAST STATE STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

PROGRAM TYPE: **HISTORICAL**
STATUS: **REFER: OTHER AGENCY**
STATUS DATE: **8/22/1995**
CALENVIROSCREEN SCORE: **96-100%**
SITE CODE: **NOT REPORTED**

Back to Report Summary

Superfund Enterprise Management System Archived Site Inventory (SEMSARCH)

MAP ID# 29

Distance from Property: 0.148 mi. (781 ft.) NW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAD982360067**
SITE ID#: **0903130**
NAME: **D&M METALS INC**
ADDRESS: **824 E STATE ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FEDERAL FACILITY: **NOT A FEDERAL FACILITY**
SUPERFUND ALTERNATIVE AGREEMENT IN PLACE?: **NO**
NPL: **NOT ON THE NPL**
NON NPL STATUS: **NFRAP-SITE DOES NOT QUALIFY FOR THE NPL BASED ON EXISTING INFORMATION**
SUPERFUND SITE INFORMATION: **CLICK HERE**

Below information was gathered from the prior NFRAP update completed in 10/2013 update:

ACTION	START DATE	COMPLETION DATE	RESPONSIBILITY
DS - DISCOVERY	**NOT REPORTED**	**12/1/1987**	**STATE (FUND)**
PA - PRELIMINARY ASSESSMENT	**NOT REPORTED**	**11/4/1988**	**EPA FUND**
VS - ARCHIVE SITE	**NOT REPORTED**	**11/4/1988**	**EPA IN-HOUSE**

ACTION DESCRIPTIONS

DS - (DISCOVERY) - THE PROCESS BY WHICH A POTENTIAL HAZARDOUS WASTE SITE IS BROUGHT TO THE ATTENTION OF THE EPA. THE PROCESS CAN OCCUR THROUGH THE USE OF SEVERAL MECHANISMS SUCH AS A PHONE CALL OR REFERRAL BY ANOTHER GOVERNMENT AGENCY.

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

VS - (ARCHIVE SITE) - THE DECISION IS MADE THAT NO FURTHER ACTIVITY IS PLANNED AT THE SITE.

Back to Report Summary

MAP ID# 30

Distance from Property: 0.141 mi. (744 ft.) WNW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0005157**
NAME: **PACIFIC AUTO WRECKING**
ADDRESS: **802 E ONTARIO BLVD**
ONTARIO , CA 91761
OWNER: **ZHIHAO, DING**

PERMIT DETAILS

PERMIT #: **PT0008218**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/21**
PERMIT #: **PT0008217**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/21**
PERMIT #: **PT0008218**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/20**
PERMIT #: **PT0008217**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/20**
PERMIT #: **PT0008218**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/19**
PERMIT #: **PT0008217**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/19**
PERMIT #: **PT0008217**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/18**
PERMIT #: **PT0008218**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/18**

Back to Report Summary

MAP ID# 31

Distance from Property: 0.147 mi. (776 ft.) E
Elevation: 948 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0001756**
NAME: **CAN-AM AUTO SALVAGE INC**
ADDRESS: **1101 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **PATTISON,J/JENSEN, K & D**

PERMIT DETAILS

PERMIT #: **PT0003015**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/10**
PERMIT #: **PT0003016**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/10**

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MAP ID# 31

Distance from Property: 0.147 mi. (776 ft.) E
Elevation: 948 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0008266**
NAME: **A & A USED AUTO PARTS**
ADDRESS: **1101 E CALIFORNIA ST STE A**
ONTARIO , CA 91761
OWNER: **SHEFFIELD, MARK**

PERMIT DETAILS

PERMIT #: **PT0014461**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/17**
PERMIT #: **PT0014462**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/17**
PERMIT #: **PT0014461**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **04/30/15**
PERMIT #: **PT0014462**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **04/30/15**
PERMIT #: **PT0014461**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **04/30/14**
PERMIT #: **PT0014462**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **04/30/14**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 31

Distance from Property: 0.147 mi. (776 ft.) E
Elevation: 948 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0013419**
NAME: **BIG THREE AUTO DISMANTLING INC**
ADDRESS: **1101 E CALIFORNIA ST UNIT B**
ONTARIO , CA 91761
OWNER: **MINASIAN, GOHAR**

PERMIT DETAILS

PERMIT #: **PT0023624**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/14**
PERMIT #: **PT0023623**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/14**
PERMIT #: **PT0028742**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**

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Historical Cortese List (HISTCORTESE)

MAP ID# 32

Distance from Property: 0.170 mi. (898 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083602564TCOR**
ID#: **083602564T**
NAME: **ONTARIO OMS #1.**
ADDRESS: **905 CUCAAMONGA**
ONTARIO, CA 91761

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 33

Distance from Property: 0.175 mi. (924 ft.) WSW
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID#: **FA0007508**
NAME: **PREFERRED POOLS**
ADDRESS: **758 E CALIFORNIA**
ONTARIO , CA 91762
OWNER: **FORD, JON**

PERMIT DETAILS

PERMIT #: **PT0012858**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/21**
PERMIT #: **PT0012858**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/20**
PERMIT #: **PT0012858**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/19**
PERMIT #: **PT0012858**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0012862**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**
PERMIT #: **PT0012861**
PERMIT DESCRIPTION: **RMP INSPECTION - PROGRAM 3**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**
PERMIT #: **PT0012859**
PERMIT DESCRIPTION: **CALARP FACILITY PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 33

Distance from Property: 0.175 mi. (924 ft.) WSW
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID#: **FA0014731**
NAME: **WATERWAYS POOLS**
ADDRESS: **758 E CALIFORNIA**
ONTARIO , CA 91762
OWNER: **NIXON, MATT**

PERMIT DETAILS

PERMIT #: **PT0025715**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **10/31/18**
PERMIT #: **PT0025715**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **10/31/17**
PERMIT #: **PT0029043**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 1**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **10/31/14**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 34

Distance from Property: 0.180 mi. (950 ft.) N
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0004524**
NAME: **M & M MACHINERY**
ADDRESS: **810 E MAIN ST**
ONTARIO , CA 91761
OWNER: **NOVAK, MICHAEL**

PERMIT DETAILS

PERMIT #: **PT0008626**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **8/31/04**
PERMIT #: **PT0008627**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **8/31/04**

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MAP ID# 34

Distance from Property: 0.180 mi. (950 ft.) N
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0006284**
NAME: **ICL PERFORMANCE PRODUCTS LP**
ADDRESS: **810 E MAIN ST**
ONTARIO , CA 91761
OWNER: **ICL PERFORMANCE PRODUCTS LP**

PERMIT DETAILS

PERMIT #: **PT0013610**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**
PERMIT #: **PT0017023**
PERMIT DESCRIPTION: **UW HANDLER WITH ANOTHER CUPA PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**
PERMIT #: **PT0003915**
PERMIT DESCRIPTION: **HAZARDOUS WASTE GENERATOR - 26-50 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**
PERMIT #: **PT0003918**
PERMIT DESCRIPTION: **HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**

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MAP ID# 35

Distance from Property: 0.182 mi. (961 ft.) NNW
Elevation: 976 ft. (Higher than TP)

E-Z SERVE OF CALIF INC, 316 S BON VIEW AVE, ONTARIO, CA 91761
UNIQUE ID: **00029DDE**

*** B11 ***

PAGE 1741 — STATE WATER RESOURCES CONTROL BOARD — 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
E-Z SERVE OF CALIFORNIA, INC.
P.O. BOX 3550 ONTARIO CA 91761

II FACILITY

	MAILING ADDRESS	DEALER/FOREMAN/SUPERVISOR	TYPE OF BUSINESS
E-Z SERVE OF CALIF., INC.	TOWNSHIP/RANGE/SECTION	TELEPHONE	NO. OF CONTAINERS
316 S. BON VIEW AVE.			
ONTARIO CA 91761	P.O. BOX 3550	SAME	GASOLINE STATION
	ONTARIO CA 91761		
CROSS STREET :		(714) 984-1261	4
STATE ST.			

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: ORTLOFF, EARL (714) 984-1261 NIGHT: ORTLOFF, EARL (714) 736-6489

********** OWNER ASSIGNED CONTAINER NUMBER: 1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000013365001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: BUEHLER /1981
C. YEAR INSTALLED : 1981
D. CAPACITY (GALLONS) : 12,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 1/4" INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING : PRESSURE
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL

*** C11 ***

PAGE 1742 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: 2 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000013365002 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG:
C. YEAR INSTALLED : UNK
D. CAPACITY (GALLONS) : 10,000
E. REPAIRS : UNKN IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: ETHANOL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 1/4" INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING : PRESSURE
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
STOCK INVENTORY NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
NONE

********** OWNER ASSIGNED CONTAINER NUMBER: 3 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000013365003 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG:
C. YEAR INSTALLED : UNK
D. CAPACITY (GALLONS) : 10,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE: 01
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: ETHANOL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 1/4" INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING : PRESSURE
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
NONE

*** D11 ***

PAGE 1743 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: 4 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000013365004 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /
C. YEAR INSTALLED : 1974
D. CAPACITY (GALLONS) : 2,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : WASTE
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: WASTE OIL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 3/16 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING : GRAVITY
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12035 WASTE OIL

*** E11 ***

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 35

Distance from Property: 0.182 mi. (961 ft.) NNW
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0006185**
NAME: **SIGMA CORPORATION**
ADDRESS: **316 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **SIGMA CORPORATION**

PERMIT DETAILS

PERMIT #: **PT0009251**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/14**
PERMIT #: **PT0029571**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 1**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/14**

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MAP ID# 35

Distance from Property: 0.182 mi. (961 ft.) NNW
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

FACILITY #: **13365**
BOE: **44-020445**
NAME: **E-Z SERVE OF CALIF., INC.**
ADDRESS: **316 S BON VIEW AVE**
ONTARIO, CA 91761

STATUS: **ACTIVE**
JURISDICTION: **SAN BERNARDINO COUNTY**
AGENCY: **ENVIRONMENTAL HEALTH - U.S.T.**

TANK INFORMATION

TANK #: **000001**
INSTALLED: **NOT REPORTED**
TANK USE: **M.V. FUEL**
CONTENT: **DIESEL**
CAPACITY: **12000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **PRODUCT**
CONTAINMENT: **NOT REPORTED**

TANK #: **000002**
INSTALLED: **NOT REPORTED**
TANK USE: **CHEMICAL**
CONTENT: **ETHANOL**
CAPACITY: **10000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **PRODUCT**
CONTAINMENT: **NOT REPORTED**

TANK #: **000003**
INSTALLED: **NOT REPORTED**
TANK USE: **CHEMICAL**
CONTENT: **ETHANOL**
CAPACITY: **10000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **PRODUCT**
CONTAINMENT: **NOT REPORTED**

TANK #: **000004**
INSTALLED: **NOT REPORTED**
TANK USE: **OIL**
CONTENT: **WASTE OIL**
CAPACITY: **2000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **WASTE**
CONTAINMENT: **NOT REPORTED**

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MAP ID# 36

Distance from Property: 0.184 mi. (972 ft.) E
Elevation: 948 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0013371**
NAME: **CAN AM AUTO SALVAGE INC**
ADDRESS: **1125 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **CAN AM AUTO SALVAGE INC**

PERMIT DETAILS

PERMIT #: **PT0023612**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0023611**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0023612**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0023611**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0023612**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0023611**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0023612**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0023611**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0028119**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**

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MAP ID# 37

Distance from Property: 0.195 mi. (1,030 ft.) NNW
Elevation: 979 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0017686**
NAME: **JC HORIZON LTD.**
ADDRESS: **825 E STATE ST**
ONTARIO , CA 91761
OWNER: **JUDY LEE**

PERMIT DETAILS

PERMIT #: **PT0038126**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/21**
PERMIT #: **PT0038098**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/21**
PERMIT #: **PT0038126**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/20**
PERMIT #: **PT0038098**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/20**
PERMIT #: **PT0038098**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/19**
PERMIT #: **PT0038126**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/19**
PERMIT #: **PT0038098**
PERMIT DESCRIPTION: **HAZMAT HANDLER GENERAL ACT.(NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **6/30/18**
PERMIT #: **PT0038126**
PERMIT DESCRIPTION: **HAZWASTE GENERAL ACTIVITY (NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **6/30/18**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 38

Distance from Property: 0.199 mi. (1,051 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0009214**
NAME: **AW COULTER TRUCKING**
ADDRESS: **737 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **A.W. COULTER TRUCKING**

PERMIT DETAILS

PERMIT #: **PT0015321**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/10**
PERMIT #: **PT0015320**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/10**
PERMIT #: **PT0015319**
PERMIT DESCRIPTION: **ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/08**

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MAP ID# 39

Distance from Property: 0.207 mi. (1,093 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0012686**
NAME: **ALTA ADVANCED TECHNOLOGIES INC**
ADDRESS: **760 E SUNKIST ST**
ONTARIO , CA 91761
OWNER: **ALTA ADVANCED TECHNOLOGIES INC**

PERMIT DETAILS

PERMIT #: **PT0022388**
PERMIT DESCRIPTION: **CE ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0022387**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0023481**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0022388**
PERMIT DESCRIPTION: **CE ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0023481**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0022387**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0022388**
PERMIT DESCRIPTION: **CE ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0023481**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0022387**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0022388**

PERMIT DESCRIPTION: **CE ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0023481**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0022387**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0028399**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**
PERMIT #: **PT0024010**
PERMIT DESCRIPTION: **CE UNIT (NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **9/30/12**
PERMIT #: **PT0024011**
PERMIT DESCRIPTION: **CE UNIT (NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **9/30/12**
PERMIT #: **PT0024317**
PERMIT DESCRIPTION: **CE UNIT (NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **9/30/12**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 39

Distance from Property: 0.207 mi. (1,093 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0017830**
NAME: **VITCO DISTRIBUTORS**
ADDRESS: **715 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **VITCO DISTRIBUTORS**

PERMIT DETAILS

PERMIT #: **PT0038550**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/21**
PERMIT #: **PT0038550**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/20**
PERMIT #: **PT0038550**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/19**

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MAP ID# 40

Distance from Property: 0.219 mi. (1,156 ft.) WNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0004638**
NAME: **VERIZON BUSINESS: ONTRCA**
ADDRESS: **756 E STATE ST**
ONTARIO , CA 91761
OWNER: **MCI COMMUNICATIONS SERVICES, INC DBA VERIZON BUSINESS**

PERMIT DETAILS

PERMIT #: **PT0004773**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0004773**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0004773**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0004773**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0004773**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/15**
PERMIT #: **PT0026886**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 1**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**
PERMIT #: **PT0004773**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 40

Distance from Property: 0.237 mi. (1,251 ft.) WNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0008162**
NAME: **BAUSMAN & COMPANY**
ADDRESS: **745 E STATE ST**
ONTARIO , CA 91761
OWNER: **CRAIG JOHNSON**

PERMIT DETAILS

PERMIT #: **PT0014312**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **3/31/09**
PERMIT #: **PT0014311**
PERMIT DESCRIPTION: **HAZARDOUS WASTE GENERATOR - 0-10 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **3/31/09**

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MAP ID# 41

Distance from Property: 0.224 mi. (1,183 ft.) ESE
Elevation: 931 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0015686**
NAME: **HEREWEGO LLC DBA PIRTEK INLAND VALLEY**
ADDRESS: **909 S CUCAMONGA AVE STE 101**
ONTARIO , CA 91761
OWNER: **PIRTEK USA LLC**

PERMIT DETAILS

PERMIT #: **PT0034256**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0034256**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0038295**
PERMIT DESCRIPTION: **HAZMAT HANDLER GENERAL ACT.(NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0034256**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0034256**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0034256**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/15**

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MAP ID# 42

Distance from Property: 0.226 mi. (1,193 ft.) NW
Elevation: 981 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0013260**
NAME: **AG CONSTRUCTION**
ADDRESS: **807 E STATE ST**
ONTARIO , CA 91761
OWNER: **ALBERTO GARCIA**

PERMIT DETAILS

PERMIT #: **PT0023389**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0023388**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0023389**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0023388**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0023389**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0023388**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0023388**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0023389**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0028432**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**

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Above Ground Storage Tanks (ABST)

MAP ID# 43

Distance from Property: 0.226 mi. (1,193 ft.) S
Elevation: 926 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **396303**
SITE ID: **396303**
FACILITY NAME: **LEGACY SUPPLY CHAIN SERVICES**
ADDRESS: **1000 S CUCAMONGA AVE**
ONTARIO, CA 91761
COUNTY: **NOT REPORTED**
FACILITY LINK: *Click Here*

FACILITY DETAILS

EI ID: **10047334**
EI DESCRIPTION: **ABOVEGROUND PETROLEUM STORAGE**

CHEMICAL DETAILS

NONE REPORTED

ENFORCEMENT DETAILS

ACTION DATE: **6/28/2016**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **APSA**
ACTION SOURCE: **CERS**

ACTION DATE: **6/28/2016**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HMRRP**
ACTION SOURCE: **CERS**

ACTION DATE: **6/28/2016**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HW**
ACTION SOURCE: **CERS**

EVALUATION DETAILS

EVALUATION DATE: **8/9/2019**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **8/9/2019**

VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **6/28/2016**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **6/28/2016**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **6/28/2016**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

VIOLATION DETAILS

VIOLATION DATE: **8/9/2019**
CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**
VIOLATION DESCRIPTION: **FAILURE TO PREPARE A SPILL PREVENTION, CONTROL, AND COUNTERMEASURES (SPCC) PLAN.**
NOTES: **RETURNED TO COMPLIANCE ON 11/20/2019. OBSERVATION: THIS FACILITY STORES OVER 1,320 GALLONS OF PETROLEUM BASED PRODUCTS ON SITE. AT THE TIME OF THE INSPECTION, FACILITY HAD NOT PREPARED AN SPCC PLAN. CORRECTIVE ACTION: PREPARE AND IMPLEMENT**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **APSA**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **8/9/2019**
CITATION: **HSC 6.95 25508(A)(1) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25508(A)(1)**

VIOLATION DESCRIPTION: **FAILURE TO COMPLETE AND ELECTRONICALLY SUBMIT A SITE MAP WITH ALL REQUIRED CONTENT.**
NOTES: **RETURNED TO COMPLIANCE ON 08/14/2019. OBSERVATION: THE SITE MAP IN CERS WAS MISSING LOCATION OF EVACUATION SITE, EMERGENCY RESPONSE EQUIPMENT, EMERGENCY SHUT OFFS (GAS, WATER, ELECTRICITY) AND STORM DRAINS. CORRECTIVE ACTION: SUBMIT AN ACCU**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **8/9/2019**
CITATION: **HSC 6.95 25508(A)(1) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25508(A)(1)**
VIOLATION DESCRIPTION: **FAILURE TO COMPLETE AND ELECTRONICALLY SUBMIT HAZARDOUS MATERIAL INVENTORY INFORMATION FOR ALL REPORTABLE HAZARDOUS MATERIALS ON SITE AT OR ABOVE REPORTABLE QUANTITIES.**
NOTES: **RETURNED TO COMPLIANCE ON 08/14/2019. OBSERVATION: OBSERVED (40) 8 GALLON CYLINDERS OF PROPANE, (28) LEAD ACID FORKLIFT BATTERIES AND (1) 850 GALLON DIESEL GENERATOR NOT REPORTED IN CERS. CORRECTIVE ACTION: SUBMIT AN ACCURATE AND COMPLETE H**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/28/2016**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 09/12/2017. FAILURE TO KEEP HAZARDOUS WASTE CONTAINERS CLOSED WHEN NOT IN ACTIVE USE (CCR 66265.173(A)) IT WAS OBSERVED IN THE MAINTENANCE SHOP THAT THERE WERE 5 GALLON BUCKETS OF USED OIL BEING STORED OPEN. COM**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/28/2016**
CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**
VIOLATION DESCRIPTION: **FAILURE TO COMPLY WITH ONE OR MORE OF THE FOLLOWING REQUIREMENTS: 1. HAVE RECORD OF INSPECTIONS AND INTEGRITY TESTS SIGNED BY THE APPROPRIATE SUPERVISOR OR INSPECTOR. 2. KEEP WRITTEN PROCEDURES AND RECORDS OF INSPECTIONS AND INTEGRIT**
NOTES: **RETURNED TO COMPLIANCE ON 09/23/2017. PER SPCC PLAN AST INSPECTIONS ARE TO BE CONDUCTED ANNUALLY AND STI SP001-03 TESTING EVERY 5 YEARS. SPCC AST TANK INSPECTIONS ARE NOT BEING CONDUCTED AND INSPECTION/TESTING RECORDS WERE NOT AVAILABLE FO**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **APSA**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/28/2016**
CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**
VIOLATION DESCRIPTION: **FAILURE TO DISCUSS IN THE SPCC PLAN PROCEDURES TO TEST OR INSPECT EACH ABOVEGROUND CONTAINER FOR INTEGRITY IN ACCORDANCE WITH INDUSTRY STANDARDS: 1. ON A REGULAR**

SCHEDULE. 2. AFTER MATERIAL REPAIRS ARE MADE. 3. BY QUALIFIED PERS

NOTES: **RETURNED TO COMPLIANCE ON 09/23/2017. 1. DURING THE INSPECTION OIL WAS OBSERVED IN THE INTERSTITIAL SPACE BETWEEN THE PRIMARY AND SECONDARY TANK OF THE 240 GALLON AST OF NEW OIL. FOR BULK STORAGE CONTAINERS, OPERATOR MUST FREQUENTLY INSPECT**

VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**

VIOLATION PROGRAM: **APSA**

VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/28/2016**

CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**

VIOLATION DESCRIPTION: **FAILURE TO INCLUDE IN THE SPCC PLAN AND DOCUMENT DISCHARGE PREVENTION BRIEFINGS FOR OIL-HANDLING PERSONNEL AT LEAST ONCE A YEAR, INCLUDING, BUT NOT LIMITED TO, KNOWN DISCHARGES, FAILURES, AND MALFUNCTIONING COMPONENTS.**

NOTES: **RETURNED TO COMPLIANCE ON 09/23/2017. DURING THE INSPECTION, THE OPERATOR WAS UNABLE TO PROVIDE INFORMATION THAT THE OPERATOR CONDUCTS ANNUAL SPCC BRIEFINGS FOR THE OIL HANDLING PERSONAL AT THE FACILITY. COMPLIANCE STATEMENT: SUBMIT A SI**

VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**

VIOLATION PROGRAM: **APSA**

VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/28/2016**

CITATION: **HSC 6.95 25508(A)(1) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25508(A)(1)**

VIOLATION DESCRIPTION: **FAILURE TO ANNUALLY REVIEW AND ELECTRONICALLY CERTIFY THAT THE BUSINESS PLAN IS COMPLETE AND ACCURATE ON OR BEFORE THE ANNUAL DUE DATE.**

NOTES: **RETURNED TO COMPLIANCE ON 05/01/2017. THE LAST BUSINESS PLAN THAT WAS SUBMITTED TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM WAS ON 7-7-13. COMPLIANCE REQUIREMENT: SUBMIT THE BUSINESS PLAN TO CERS AND SUBMIT A SIGNED STATEMENT INDICA**

VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**

VIOLATION PROGRAM: **HMRRP**

VIOLATION SOURCE: **CERS**

AFFILIATION DETAILS

ENTITY NAME: **SAN BERNARDINO COUNTY FIRE**

ENTITY TITLE: **NOT REPORTED**

AFFILIATION ADDRESS: **620 SOUTH E STREET**
SAN BERNARDINO, CA 92415-0153

AFFILIATION DESCRIPTION: **CUPA DISTRICT**

ENTITY PHONE NUMBER: **(909) 386-8401**

ENTITY NAME: **MARY DINKEL**

ENTITY TITLE: **NOT REPORTED**

AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED

AFFILIATION DESCRIPTION: **DOCUMENT PREPARER**

ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **MARY DINKEL**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **4703 REDBUD FOREST PLACE**
LOUISVILLE, KY 40245
AFFILIATION DESCRIPTION: **ENVIRONMENTAL CONTACT**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **MAILING ADDRESS**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **1000 S. CUCAMONGA AVE.**
ONTARIO, CA 91761-3461
AFFILIATION DESCRIPTION: **FACILITY MAILING ADDRESS**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **BO BAIRD**
ENTITY TITLE: **GENERAL MANAGER**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **IDENTIFICATION SIGNER**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **LEGACY SUPPLY CHAIN SERVICES II**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **1000 S. CUCAMONGA AVE.**
ONTARIO, CA 91761-3461
AFFILIATION DESCRIPTION: **LEGAL OWNER**
ENTITY PHONE NUMBER: **(909) 923-8347**

ENTITY NAME: **LEGACY SUPPLY CHAIN SERVICES II**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **OPERATOR**
ENTITY PHONE NUMBER: **(909) 923-8347**

ENTITY NAME: **LEGACY SUPPLY CHAIN SERVICES, ONTARIO**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **PARENT CORPORATION**
ENTITY PHONE NUMBER: **NOT REPORTED**

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MAP ID# 43

Distance from Property: 0.226 mi. (1,193 ft.) S
Elevation: 926 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0007696**
NAME: **LEGACY SUPPLY CHAIN SERVICES**
ADDRESS: **1000 S CUCAMONGA AVE**
ONTARIO , CA 91761
OWNER: **LEGACY SUPPLY CHAIN SERVICES II**

PERMIT DETAILS

PERMIT #: **PT0020596**
PERMIT DESCRIPTION: **APSA 10,001-100,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/21**
PERMIT #: **PT0037562**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/21**
PERMIT #: **PT0020596**
PERMIT DESCRIPTION: **APSA 10,001-100,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/20**
PERMIT #: **PT0037562**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/20**
PERMIT #: **PT0020596**
PERMIT DESCRIPTION: **APSA 10,001-100,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/19**
PERMIT #: **PT0037562**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/19**
PERMIT #: **PT0020597**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0013247**
PERMIT DESCRIPTION: **UST GENERAL HEALTH PROGRAM RECORD**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0020594**
PERMIT DESCRIPTION: **AST OPERATING PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0020595**

PERMIT DESCRIPTION: **AST OPERATING PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0020598**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0020596**
PERMIT DESCRIPTION: **APSA 10,001-100,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0037562**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0020597**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/16**
PERMIT #: **PT0013247**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/16**
PERMIT #: **PT0020596**
PERMIT DESCRIPTION: **APSA 10,001-100,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/16**
PERMIT #: **PT0020598**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0020597**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0020598**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0020596**
PERMIT DESCRIPTION: **APSA 10,001-100,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0013247**
PERMIT DESCRIPTION: **HAZMAT HANDLER- 51-99 EMPLOYEES**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**

PERMIT #: **PT0020594**
PERMIT DESCRIPTION: **AST OPERATING PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/10**
PERMIT #: **PT0020595**
PERMIT DESCRIPTION: **AST OPERATING PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/10**
PERMIT #: **PT0013248**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/09**
PERMIT #: **PT0013249**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/09**
PERMIT #: **PT0013248**
PERMIT DESCRIPTION: **UST OWNERSHIP/OPERATING PERMIT (PER UST)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/09**
PERMIT #: **PT0013249**
PERMIT DESCRIPTION: **UST OWNERSHIP/OPERATING PERMIT (PER UST)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/09**

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MAP ID# 44

Distance from Property: 0.229 mi. (1,209 ft.) ENE
Elevation: 955 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0005935**
NAME: **SAXON BROS EQUIPMENT**
ADDRESS: **1128 E STATE ST**
ONTARIO , CA 91761
OWNER: **SAXON, JOHN & DON**

PERMIT DETAILS

PERMIT #: **PT0003130**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/08**

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MAP ID# 45

Distance from Property: 0.243 mi. (1,283 ft.) W
Elevation: 961 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0015185**
NAME: **SUMMERS BROTHERS INC.**
ADDRESS: **720 E SUNKIST ST STE 103**
ONTARIO , CA 91761
OWNER: **JOSE PONTIFES**

PERMIT DETAILS

PERMIT #: **PT0026466**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0026467**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0026466**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0026467**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0026466**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0026467**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0026466**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0026467**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0026466**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/15**
PERMIT #: **PT0026467**

PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/15**
PERMIT #: **PT0026467**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/14**
PERMIT #: **PT0026466**
PERMIT DESCRIPTION: **HAZMAT HANDLER GENERAL ACT.(NB)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/14**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 46

Distance from Property: 0.244 mi. (1,288 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0003932**
NAME: **BLACK HILLS ONTARIO LLC**
ADDRESS: **705 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **BLACK HILLS CORPORATION**

PERMIT DETAILS

PERMIT #: **PT0003295**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/10**
PERMIT #: **PT0003296**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/10**
PERMIT #: **PT0003294**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/04**

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Superfund Enterprise Management System (SEMS)

MAP ID# 47

Distance from Property: 0.261 mi. (1,378 ft.) NE
Elevation: 970 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAN000903310**
SITE ID#: **0903310**
NAME: **CERTIFIED TOWING ABANDONED DRUMS**
ADDRESS: **1135 E. STATE STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FEDERAL FACILITY: **NOT A FEDERAL FACILITY - NOT A FEDERAL FACILITY**
SUPERFUND ALTERNATIVE AGREEMENT IN PLACE?: **NO**
NPL: **NOT ON THE NPL**
NON NPL STATUS: **REMOVAL ONLY SITE (NO SITE ASSESSMENT WORK NEEDED)**
Below information was gathered from the prior CERCLIS update completed in 10/2013 update:
NON-NPL STATUS DATE:
PHYSICAL CLASSIFICATION OF SITE / INCIDENT:

SUPERFUND SITE INFORMATION: **CLICK HERE**
SITE DESCRIPTION **- NO SITE DESCRIPTION INFORMATION AVAILABLE -**
SITE HISTORY **- NO SITE HISTORY INFORMATION AVAILABLE -**
ACTIONS **- NO ACTION INFORMATION AVAILABLE -**
CONTAMINANTS **- NO CONTAMINATION INFORMATION AVAILABLE -**
LISTING OF PUBLISHED INSTITUTIONAL CONTROL SITE REPORT **- NOT AN INSTITUTIONAL CONTROL SITE -**

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **SLT8R0303915**
URL LINK: CLICK HERE
BUSINESS NAME: **NORTHROP**
ADDRESS: **ONTARIO INTERNATIONAL AIRPORT**
ONTARIO, CA
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **CLEANUP PROGRAM SITE**
CASE NUMBER: **SLT8R030**
STATUS: **COMPLETED - CASE CLOSED 10/23/1992**
POTENTIAL CONTAMINATION:
NOT REPORTED
POTENTIAL MEDIA AFFECTED:
NOT REPORTED
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
THIS SITE WAS CLOSED AND ANOTHER REOPENED UNDER ONTARIO INTERNATIONAL AIRPORT AS A JOINT INVESTIGATION WITH CANG; NORTHROP; DOUGLASS AIRCRAFT; AEROJET GENERAL; AND LOCKHEED AIRCRAFT.

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/02/1965**	**LEAK REPORTED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**10/23/1992**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**
EMAIL: **KAMRON.SAREMI@WATERBOARDS.CA.GOV**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**

EMAIL: **KSAREMI@WATERBOARDS.CA.GOV**

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MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **SLT8R0313916**
URL LINK: CLICK HERE
BUSINESS NAME: **DOUGLAS AIRCRAFT CO**
ADDRESS: **ONTARIO INTERNATIONAL AIRPORT**
ONTARIO, CA
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **CLEANUP PROGRAM SITE**
CASE NUMBER: **SLT8R031**
STATUS: **COMPLETED - CASE CLOSED 10/23/1992**
POTENTIAL CONTAMINATION:
NOT REPORTED
POTENTIAL MEDIA AFFECTED:
NOT REPORTED
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
THIS SITE WAS CLOSED AND ANOTHER REOPENED UNDER ONTARIO INTERNATIONAL AIRPORT AS A JOINT INVESTIGATION WITH CANG; NORTHROP; DOUGLASS AIRCRAFT; AEROJET GENERAL; AND LOCKHEED AIRCRAFT.

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/02/1965**	**LEAK REPORTED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**10/23/1992**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**
EMAIL: **KAMRON.SAREMI@WATERBOARDS.CA.GOV**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**

EMAIL: **KSAREMI@WATERBOARDS.CA.GOV**

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MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **SLT8R0493933**
URL LINK: CLICK HERE
BUSINESS NAME: **CALIFORNIA AIR NATIONAL GUARD**
ADDRESS: **ONTARIO INTERNATIONAL AIRPORT**
ONTARIO, CA
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **CLEANUP PROGRAM SITE**
CASE NUMBER: **SLT8R049**
STATUS: **COMPLETED - CASE CLOSED 10/23/1992**
POTENTIAL CONTAMINATION:
NOT REPORTED
POTENTIAL MEDIA AFFECTED:
NOT REPORTED
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
THIS SITE WAS CLOSED AND ANOTHER REOPENED UNDER ONTARIO INTERNATIONAL AIRPORT AS A JOINT INVESTIGATION WITH CANG; NORTHROP; DOUGLASS AIRCRAFT; AEROJET GENERAL; AND LOCKHEED AIRCRAFT.

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/02/1965**	**LEAK REPORTED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**10/23/1992**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**
EMAIL: **KAMRON.SAREMI@WATERBOARDS.CA.GOV**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**

EMAIL: **KSAREMI@WATERBOARDS.CA.GOV**

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **SLT8R0503934**
URL LINK: CLICK HERE
BUSINESS NAME: **AEROJET GENERAL CORPORATION**
ADDRESS: **ONTARIO INTERNATIONAL AIRPORT**
ONTARIO, CA
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **CLEANUP PROGRAM SITE**
CASE NUMBER: **SLT8R050**
STATUS: **COMPLETED - CASE CLOSED 2/1/2000**
POTENTIAL CONTAMINATION:
TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)
POTENTIAL MEDIA AFFECTED:
UNDER INVESTIGATION
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
RESPONSE	**04/19/1991**	**SITE INVESTIGATION WORKPLAN**
RESPONSE	**01/30/1991**	**SITE INVESTIGATION**
ENFORCEMENT	**10/16/1990**	**STAFF LETTER**
OTHER	**10/16/1990**	**LEAK DISCOVERY**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**02/01/2000**
OPEN - CASE BEGIN DATE	**02/01/2000**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**
EMAIL: **KAMRON.SAREMI@WATERBOARDS.CA.GOV**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**

CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**
EMAIL: **KSAREMI@WATERBOARDS.CA.GOV**

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MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607181149**

URL LINK: CLICK HERE

BUSINESS NAME: **AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT**

ADDRESS: **2500 E. AIRPORT DRIVE**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**

CASE NUMBER: **T0607181149**

STATUS: **COMPLETED - CASE CLOSED 10/11/2016**

POTENTIAL CONTAMINATION:

AVIATION

POTENTIAL MEDIA AFFECTED:

SOIL

DISADVANTAGED COMMUNITY:

NO

SEVERELY DISADVANTAGED COMMUNITY:

YES

SITE HISTORY:

,

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
REMEDIATION	**01/01/50**	**EXCAVATION**
RESPONSE	**11/03/2016**	**OTHER WORKPLAN - REGULATOR RESPONDED**
ENFORCEMENT	**10/11/2016**	**CLOSURE/NO FURTHER ACTION LETTER**
RESPONSE	**08/30/2016**	**OTHER REPORT / DOCUMENT - REGULATOR RESPONDED**
RESPONSE	**08/02/2016**	**REQUEST FOR CLOSURE - REGULATOR RESPONDED**
RESPONSE	**07/28/2016**	**OTHER REPORT / DOCUMENT**
RESPONSE	**07/20/2016**	**REQUEST FOR CLOSURE - REGULATOR RESPONDED**
RESPONSE	**06/20/2016**	**REQUEST FOR CLOSURE - REGULATOR RESPONDED**
ENFORCEMENT	**03/16/2016**	**TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER**
ENFORCEMENT	**02/05/2015**	**EMAIL CORRESPONDENCE**
RESPONSE	**09/28/2014**	**RESPOND TO PETITION - REGULATOR RESPONDED**
RESPONSE	**08/24/2014**	**OTHER WORKPLAN - REGULATOR RESPONDED**
RESPONSE	**08/24/2014**	**REQUEST FOR CLOSURE - REGULATOR RESPONDED**
RESPONSE	**08/20/2014**	**PRELIMINARY SITE ASSESSMENT WORKPLAN - ADDENDUM - REGULATOR RESPONDED**
RESPONSE	**04/20/2014**	**SITE INVESTIGATION WORKPLAN - REGULATOR RESPONDED**
ENFORCEMENT	**10/13/2013**	**TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER**
ENFORCEMENT	**12/17/2012**	**TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER**
ENFORCEMENT	**05/09/2012**	**FILE REVIEW**

TYPE OF ACTION:	DATE:	ACTION:
ENFORCEMENT	**03/22/2011**	**TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER**
REMEDIATION	**06/19/2010**	**EXCAVATION**
ENFORCEMENT	**04/09/2010**	**REFERRAL TO REGIONAL BOARD**
ENFORCEMENT	**01/12/2010**	**STAFF LETTER**
OTHER	**06/19/2006**	**LEAK DISCOVERY**
OTHER	**06/19/2006**	**LEAK REPORTED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**10/11/2016**
OPEN - ELIGIBLE FOR CLOSURE	**08/01/2016**
OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION	**06/19/2006**
OPEN - CASE BEGIN DATE	**06/19/2006**
OPEN - SITE ASSESSMENT	**06/19/2006**

CONTACT DETAILS

ORGANIZATION: **SAN BERNARDINO COUNTY**
ADDRESS: **620 SOUTH E STREET**
CITY: **SAN BERNARDINO**
CONTACT NAME: **JACKSON CRUTSINGER**
CONTACT TYPE: **LOCAL AGENCY CASEWORKER**
CONTACT PHONE: **NOT REPORTED**
EMAIL: **JCRUTSINGER@SBCFIRE.ORG**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **MIGUEL OVIEDO**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517823238**
EMAIL: **MIGUEL.OVIEDO@WATERBOARDS.CA.GOV**

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Historical Cortese List (HISTCORTESE)

MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083600231TCOR**
ID#: **083600231T**
NAME: **LOCKHEED AIRCRAFT SERVICE**
ADDRESS: **2411 ONTARIO AIRPORT**
ONTARIO, CA 91764

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Leaking Underground Storage Tanks (LUST)

MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607181149**
URL LINK: CLICK HERE
BUSINESS NAME: **AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT**
ADDRESS: **2500 E. AIRPORT DRIVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **T0607181149**
STATUS: **COMPLETED - CASE CLOSED 10/11/2016**
POTENTIAL CONTAMINATION:
AVIATION
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
YES
SITE HISTORY:
,

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

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CALSITES Database (CALSITES)

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

ID #: **36200001**

NAME: **SUNKIST GROWERS**

ADDRESS: **616 EAST SUNKIST STREET**
ONTARIO, CA

STATUS (DATE): **PROPERTY/SITE REFERRED TO ANOTHER AGENCY (08/22/1995)**

STANDARD INDUSTRIAL CLASSIFICATION BELIEVED TO BE CAUSE OF (POTENTIAL) CONTAMINATION:
MANU - FOOD & KINDRED PRODUCTS

ACCESS TO SITE: **NOT REPORTED**

GROUNDWATER CONTAMINATION: **NOT REPORTED**

COMMENTS

FACILITY IDENTIFIED EPA FIT PRELIMINARY ASSESSMENT EPA COMPLETED PRELIMINARY ASSESSMENT AND RECOMMEND NO FURTHER ACTION; STATE RECOMMENDATION IS SITE SCREENING. RECOMMEND REFERRAL TO SAN BERNARDINO COUNTY. NO FURTHER ACTION BY DHS. HAZARD RANKING SYSTEM I CALULATIONS SHOW A TOTAL SCORE OF 5.77. MINIMUM HAZARD THRESHHOLD ANALYSIS INDICATED REFERRAL TO COUNTY ACCEPTABLE. DATABASE VERIFICATION PROGRAM CONFIRMED THE NFA STATUS FOR DTSC. NFA FOR DTSC.

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100463**
URL LINK: CLICK HERE
BUSINESS NAME: **SUNKIST**
ADDRESS: **616 E SUNKIST ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603111T**
STATUS: **COMPLETED - CASE CLOSED 5/26/2000**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
ENFORCEMENT	**05/26/2000**	**CLOSURE/NO FURTHER ACTION LETTER**
OTHER	**12/22/1997**	**LEAK REPORTED**
OTHER	**11/17/1997**	**LEAK DISCOVERY**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**05/26/2000**
OPEN - CASE BEGIN DATE	**11/17/1997**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **CARL BERNHARDT**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824495**
EMAIL: **CARL.BERNHARDT@WATERBOARDS.CA.GOV**

Back to Report Summary

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

SITE INFORMATION

ID #: **36200001** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **SUNKIST GROWERS**
ADDRESS: **616 EAST SUNKIST STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES): **11.11**
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: *** MMONROY**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **HISTORICAL**
SITE TYPE DESCRIPTION
*** HISTORICAL**
DTSC's CURRENT INVOLVEMENT AT SITE (as of 2009-07-07 00:00:00)
REFER: 1248 LOCAL AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

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Historical Cortese List (HISTCORTESE)

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083603111TCOR**
ID#: **083603111T**
NAME: **SUNKIST**
ADDRESS: **616**
ONTARIO, CA 91761

Back to Report Summary

Leaking Underground Storage Tanks (LUST)

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100463**
URL LINK: CLICK HERE
BUSINESS NAME: **SUNKIST**
ADDRESS: **616 E SUNKIST ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603111T**
STATUS: **COMPLETED - CASE CLOSED 05/26/2000**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

Back to Report Summary

Referred to Another Local or State Agency (REF)

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **36200001**
ENVIROSTOR ID: **36200001**
FACILITY NAME: **SUNKIST GROWERS**
ADDRESS: **616 EAST SUNKIST STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

PROGRAM TYPE: **HISTORICAL**
STATUS: **REFER: 1248 LOCAL AGENCY**
STATUS DATE: **7/7/2009**
CALENVIROSCREEN SCORE: **96-100%**
SITE CODE: **NOT REPORTED**

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Superfund Enterprise Management System Archived Site Inventory (SEMSARCH)

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAD008514051**
SITE ID#: **0901122**
NAME: **SUNKIST GROWERS**
ADDRESS: **616 E SUNKIST ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FEDERAL FACILITY: **NOT A FEDERAL FACILITY**
SUPERFUND ALTERNATIVE AGREEMENT IN PLACE?: **NO**
NPL: **NOT ON THE NPL**
NON NPL STATUS: **NFRAP-SITE DOES NOT QUALIFY FOR THE NPL BASED ON EXISTING INFORMATION**
SUPERFUND SITE INFORMATION: **CLICK HERE**

Below information was gathered from the prior NFRAP update completed in 10/2013 update:

ACTION	START DATE	COMPLETION DATE	RESPONSIBILITY
DS - DISCOVERY	**NOT REPORTED**	**12/1/1979**	**EPA FUND**
PA - PRELIMINARY ASSESSMENT	**NOT REPORTED**	**7/1/1980**	**EPA FUND**
PA - PRELIMINARY ASSESSMENT	**NOT REPORTED**	**8/31/1989**	**EPA FUND**
VS - ARCHIVE SITE	**NOT REPORTED**	**8/31/1989**	**EPA IN-HOUSE**

ACTION DESCRIPTIONS

DS - (DISCOVERY) - THE PROCESS BY WHICH A POTENTIAL HAZARDOUS WASTE SITE IS BROUGHT TO THE ATTENTION OF THE EPA. THE PROCESS CAN OCCUR THROUGH THE USE OF SEVERAL MECHANISMS SUCH AS A PHONE CALL OR REFERRAL BY ANOTHER GOVERNMENT AGENCY.

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

VS - (ARCHIVE SITE) - THE DECISION IS MADE THAT NO FURTHER ACTIVITY IS PLANNED AT THE SITE.

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MAP ID# 50

Distance from Property: 0.348 mi. (1,837 ft.) NW
Elevation: 995 ft. (Higher than TP)

SITE INFORMATION

ID #: **36000010** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **CRUZ PROPERTY**
ADDRESS: **757 E. EMPORIA STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: **REFERRED - NOT ASSIGNED**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **EVALUATION**
SITE TYPE DESCRIPTION
EVALUATION
DTSC's CURRENT INVOLVEMENT AT SITE (as of 2001-03-16 00:00:00)
REFER: 1248 LOCAL AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

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Referred to Another Local or State Agency (REF)

MAP ID# 50

Distance from Property: 0.348 mi. (1,837 ft.) NW
Elevation: 995 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **36000010**
ENVIROSTOR ID: **36000010**
FACILITY NAME: **CRUZ PROPERTY**
ADDRESS: **757 E. EMPORIA STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

PROGRAM TYPE: **EVALUATION**
STATUS: **REFER: 1248 LOCAL AGENCY**
STATUS DATE: **3/16/2001**
CALENVIROSCREEN SCORE: **96-100%**
SITE CODE: **NOT REPORTED**

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MAP ID# 51

Distance from Property: 0.375 mi. (1,980 ft.) WSW
Elevation: 944 ft. (Lower than TP)

FACILITY INFORMATION

ID #: **36490109**

NAME: **SO CAL GAS/ONTARIO MGP**

ADDRESS: **CNR CAMPUS, MARTLAND, MONTEREY & MISSION**
ONTARIO, CA

STATUS (DATE): **VOLUNTARY CLEANUP PROGRAM (08/20/1993)**

STANDARD INDUSTRIAL CLASSIFICATION BELIEVED TO BE CAUSE OF (POTENTIAL) CONTAMINATION:
ELECTRIC, GAS & SANITARY SERVICES

ACCESS TO SITE: **UNCONTROLLED**

GROUNDWATER CONTAMINATION: **NOT REPORTED**

COMMENTS

FURTHER INVESTIGATION IS ANTICIPATED THIS (96/97) FISCAL YR. DTSC AND THE GAS COMPANY SIGNED A CONSENT ORDER PROVIDING FOR DTS OVERSIGHT OF A SUPPLEMENTAL INVESTIGATION AND REMEDIATION OF THE SITE. REMOVAL ACTION WORKPLAN. REMOVAL OF 4700 CUBIC YARDS OF PAH CONTAMINATED SOIL. SOIL WILL BE TRANSPORTED TO A LICENSED TREATMENT AND DISPOSAL FACILITY. CLEAN SOIL WILL BE USED TO BACKFILL AND GRADE THE SITE. REMOVAL ACTION AND CERT: REMOVAL OF 17,000 CUBIC YARDS OF PAH CONTAMINATED SOIL. SOIL WAS TRANSPORTED TO A LICENSED TREATMENT AND DISPOSAL FACILITY. CLEAN SOIL WILL BE USED TO BACKFILL AND GRADE THE SITE. TRANSITION TO CHAPTER 6.5 - AMENDMENT TO THE EXISTING VOLUNTARY CLEANUP AGREEMENT, DOCKET NO. 96/97-020 SIGNED BY THE RP. A REMOVAL ACTION WORK PLAN FOR OPERABLE UNIT 2 WAS APPROVED BY DTSC. REMOVAL ACTION FIELD WORK OUZ COMPLETED. DTSC INDEPENDENTLY SAMPLED PROPERTY OF CONCERNED OCCUPANT AND OWNER AT 628 MAITLAND STREET. THE PROPERTY IS LOCATED ADJACENT TO 624 MAITLAND STREET FROM WHICH 50 CY OF PAH CONTAMINATED WAS REMOVED. PAH-CONTAMINATED SOIL WAS REMOVED FROM 3 ADJACENT RESIDENTIAL PROPERTIES LOCATED AT 608, 614, & 624 MAITLAND STREET. THESE PROPERTIES ARE LOCATED ACROSS THE STREET FROM THE MAIN SITE. CONTAMINATION HAS BEEN REMEDIATED TO BACKGROUND LEVELS.

BACKGROUND

FORMER MGP OPERATED FROM 1909 TO 1917. THE SITE IS NOW UTILIZED AS AN UNMANNED NATURAL GAS METER AND REGULATOR STATION. THE PEA REPORT SUBMITTED IN JUNE 1993 REVEALED SITE SOIL IMPACTED WITH A BLACK TARRED MATERIAL, PAH'S AND TPH. THE PEA RECOMMENDS FENCING THE SITE AND REMOVAL OF SOME SOIL. FURTHER CHARACTERIZATION OF THE LATERAL AND VERTICAL EXTENT OF CONTAMINATION AND A BASELINE HRA IS REQUIRED.

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MAP ID# 51

Distance from Property: 0.375 mi. (1,980 ft.) WSW
Elevation: 944 ft. (Lower than TP)

SITE INFORMATION

ID #: **36490109** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **SO CAL GAS/ONTARIO MGP**
ADDRESS: **CNR CAMPUS, MARTLAND, MONTEREY & MISSION**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **SMBRP**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: *** GREG HOLMES**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **VOLUNTARY CLEANUP**
SITE TYPE DESCRIPTION
VOLUNTARY CLEANUP
DTSC's CURRENT INVOLVEMENT AT SITE (as of 1993-08-20 00:00:00)
CERTIFIED - IDENTIFIES COMPLETED SITES WITH PREVIOUSLY CONFIRMED RELEASE THAT ARE SUBSEQUENTLY CERTIFIED BY DTSC AS HAVING BEEN REMEDIATED SATISFACTORILY UNDER DTSC OVERSIGHT
PAST USE/S THAT CAUSED THE CONTAMINATION
MANUFACTURED GAS PLANT
CONFIRMED CONTAMINANTS OF CONCERN
30019 - POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)
30024 - TPH-DIESEL
30025 - TPH-GAS
3002502 - TPH-MOTOR OIL

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Historical Cortese List (HISTCORTESE)

MAP ID# 51

Distance from Property: 0.375 mi. (1,980 ft.) WSW
Elevation: 944 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **36490109COR**

ID#: **36490109**

NAME: **SO CAL GAS/ONTARIO MGP**

ADDRESS: **CNR CAMPUS MARTLAND MONTE**
ONTARIO, CA 91761

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Voluntary Cleanup Program (VCP)

MAP ID# 51

Distance from Property: 0.375 mi. (1,980 ft.) WSW
Elevation: 944 ft. (Lower than TP)

SITE INFORMATION

ID #: **36490109** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
URL LINK: CLICK HERE
NAME: **SO CAL GAS/ONTARIO MGP**
ADDRESS: **CNR CAMPUS, MARTLAND, MONTEREY & MISSION**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **SMBRP**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: *** GREG HOLMES**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **VOLUNTARY CLEANUP**
SITE TYPE DESCRIPTION
VOLUNTARY CLEANUP
DTSC's CURRENT INVOLVEMENT AT SITE (as of 1993-08-20 00:00:00)
CERTIFIED - IDENTIFIES COMPLETED SITES WITH PREVIOUSLY CONFIRMED RELEASE THAT ARE SUBSEQUENTLY CERTIFIED BY DTSC AS HAVING BEEN REMEDIATED SATISFACTORILY UNDER DTSC OVERSIGHT
PAST USE/S THAT CAUSED THE CONTAMINATION
MANUFACTURED GAS PLANT
CONFIRMED CONTAMINANTS OF CONCERN
30019 - POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)
30024 - TPH-DIESEL
30025 - TPH-GAS
3002502 - TPH-MOTOR OIL

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 52

Distance from Property: 0.392 mi. (2,070 ft.) NE
Elevation: 970 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100628**
URL LINK: CLICK HERE
BUSINESS NAME: **HERTZ RENT A CAR**
ADDRESS: **2060 E EMPORIA**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603632T**
STATUS: **COMPLETED - CASE CLOSED 6/6/2001**
POTENTIAL CONTAMINATION:
GASOLINE
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/01/50**	**LEAK STOPPED**
OTHER	**01/20/2000**	**LEAK REPORTED**
OTHER	**08/18/1999**	**LEAK DISCOVERY**
OTHER	**08/18/1999**	**LEAK STOPPED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**06/06/2001**
OPEN - CASE BEGIN DATE	**08/18/1999**
OPEN - SITE ASSESSMENT	**08/18/1999**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **ROSE SCOTT**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9513206375**
EMAIL: **ROSE.SCOTT@WATERBOARDS.CA.GOV**

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Historical Cortese List (HISTCORTESE)

MAP ID# 52

Distance from Property: 0.392 mi. (2,070 ft.) NE
Elevation: 970 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083603632TCOR**
ID#: **083603632T**
NAME: **HERTZ RENT A CAR**
ADDRESS: **2060**
ONTARIO, CA 91761

Back to Report Summary

Leaking Underground Storage Tanks (LUST)

MAP ID# 52

Distance from Property: 0.392 mi. (2,070 ft.) NE
Elevation: 970 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100628**
URL LINK: CLICK HERE
BUSINESS NAME: **HERTZ RENT A CAR**
ADDRESS: **2060 E EMPORIA**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603632T**
STATUS: **COMPLETED - CASE CLOSED 06/06/2001**
POTENTIAL CONTAMINATION:
GASOLINE
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

Back to Report Summary

Listing of Certified Dropoff, Collection, and Community Service Programs (DROP)

MAP ID# 53

Distance from Property: 0.402 mi. (2,123 ft.) WNW
Elevation: 980 ft. (Higher than TP)

SITE INFORMATION

ID #: **CP0091**
NAME: **MAIN STREET FIBERS**
ADDRESS: **608 E MAIN ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761**
COUNTY: **SAN BERNADINO**

SITE DETAILS

OPERATION BEGIN DATE: **01/01/90**
OPERATION END DATE: **05/31/95**
PROGRAM PHONE: **(714) 986-6310**
ORGANIZATION NAME: **NOT REPORTED**
ADDRESS: **STREET NOT REPORTED**
CITY NOT REPORTED
GLASS: **ACCEPTED**
ALUMINIUM: **ACCEPTED**
PLASTIC: **ACCEPTED**
BIMETAL: **NOT ACCEPTED**

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Listing of Certified Processors (PROC)

MAP ID# 53

Distance from Property: 0.402 mi. (2,123 ft.) WNW
Elevation: 980 ft. (Higher than TP)

SITE INFORMATION

ID #: **PR0011**
NAME: **MAIN STREET FIBERS INC**
ADDRESS: **608 E MAIN ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761**
COUNTY: **SAN BERNARDINO**

SITE DETAILS

OPERATION BEGIN DATE: **8/18/1987**
OPERATION END DATE: **NOT REPORTED**
PROGRAM PHONE: **(909) 986-6310**
ORGANIZATION NAME: **MAIN STREET FIBERS INC**
ADDRESS: **P O BOX 51491**
ONTARIO CA 91761
GLASS: **NOT ACCEPTED**
ALUMINIUM: **NOT ACCEPTED**
PLASTIC: **NOT ACCEPTED**
BIMETAL: **NOT ACCEPTED**

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Recycling Centers (SWRCY)

MAP ID# 53

Distance from Property: 0.402 mi. (2,123 ft.) WNW
Elevation: 980 ft. (Higher than TP)

SITE INFORMATION

ID #: **PR0011**
NAME: **MAIN STREET FIBERS INC**
ADDRESS: **608 E MAIN ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761**
COUNTY: **SAN BERNARDINO**

SITE DETAILS

OPERATION BEGIN DATE: **08/18/87**
OPERATION END DATE: **NOT REPORTED**
PROGRAM PHONE: **(909) 986-6310**
ORGANIZATION NAME: **MAIN STREET FIBERS INC**
ADDRESS: **P O BOX 51491**
ONTARIO CA 91761
GLASS: **ACCEPTED**
ALUMINIUM: **ACCEPTED**
PLASTIC: **ACCEPTED**
BIMETAL: **ACCEPTED**

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Recycling Centers (SWRCY)

MAP ID# 53

Distance from Property: 0.402 mi. (2,123 ft.) WNW
Elevation: 980 ft. (Higher than TP)

SITE INFORMATION

ID #: **RC0070**
NAME: **MAIN STREET FIBERS INC**
ADDRESS: **608 E MAIN ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761**
COUNTY: **SAN BERNARDINO**

SITE DETAILS

OPERATION BEGIN DATE: **8/18/1987**
OPERATION END DATE: **NOT REPORTED**
PROGRAM PHONE: **(909) 986-6310**
ORGANIZATION NAME: **MAIN STREET FIBERS INC**
ADDRESS: **P O BOX 51491**
ONTARIO CA 91761
GLASS: **ACCEPTED**
ALUMINIUM: **ACCEPTED**
PLASTIC: **ACCEPTED**
BIMETAL: **ACCEPTED**

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MAP ID# 54

Distance from Property: 0.428 mi. (2,260 ft.) WNW
Elevation: 980 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100129**
URL LINK: CLICK HERE
BUSINESS NAME: **UNOCAL BULK PLANT #0551**
ADDRESS: **601 E MAIN ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083601143T**
STATUS: **COMPLETED - CASE CLOSED 4/23/1999**
POTENTIAL CONTAMINATION:
GASOLINE
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/01/50**	**LEAK STOPPED**
OTHER	**02/01/1989**	**LEAK REPORTED**
OTHER	**06/16/1988**	**LEAK STOPPED**
OTHER	**04/14/1988**	**LEAK DISCOVERY**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**04/23/1999**
OPEN - SITE ASSESSMENT	**02/06/1989**
OPEN - CASE BEGIN DATE	**04/14/1988**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **NANCY OLSON-MARTIN**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **NOT REPORTED**
EMAIL: **NOLSON-MARTIN@WATERBOARDS.CA.GOV**

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Leaking Underground Storage Tanks (LUST)

MAP ID# 54

Distance from Property: 0.428 mi. (2,260 ft.) WNW
Elevation: 980 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100129**
URL LINK: CLICK HERE
BUSINESS NAME: **UNOCAL BULK PLANT #0551**
ADDRESS: **601 E MAIN ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083601143T**
STATUS: **COMPLETED - CASE CLOSED 04/23/1999**
POTENTIAL CONTAMINATION:
GASOLINE
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

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Recycling Centers (SWRCY)

MAP ID# 54

Distance from Property: 0.427 mi. (2,255 ft.) WNW
Elevation: 980 ft. (Higher than TP)

SITE INFORMATION

ID #: **RC11004**
NAME: **MAIN STREET FIBERS INC**
ADDRESS: **653 E MAIN ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761**
COUNTY: **SAN BERNARDINO**

SITE DETAILS

OPERATION BEGIN DATE: **2/1/2002**
OPERATION END DATE: **NOT REPORTED**
PROGRAM PHONE: **(909) 986-6310**
ORGANIZATION NAME: **MAIN STREET FIBERS INC**
ADDRESS: **P O BOX 51491**
ONTARIO CA 91761
GLASS: **ACCEPTED**
ALUMINIUM: **ACCEPTED**
PLASTIC: **ACCEPTED**
BIMETAL: **ACCEPTED**

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 55

Distance from Property: 0.446 mi. (2,355 ft.) SSW
Elevation: 922 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100088**
URL LINK: CLICK HERE
BUSINESS NAME: **GONZALES AND SONS**
ADDRESS: **844 WOODLAWN ST**
ONTARIO, CA 92716
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083600809T**
STATUS: **COMPLETED - CASE CLOSED 3/24/1988**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
REMEDIATION	**01/01/50**	**EXCAVATION**
ENFORCEMENT	**03/31/1988**	**FILE REVIEW**
OTHER	**03/24/1988**	**LEAK REPORTED**
REMEDIATION	**03/24/1988**	**EXCAVATION**
OTHER	**02/01/1988**	**LEAK DISCOVERY**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**03/24/1988**
OPEN - REMEDIATION	**03/23/1988**
OPEN - SITE ASSESSMENT	**03/23/1988**
OPEN - CASE BEGIN DATE	**02/01/1988**
OPEN - SITE ASSESSMENT	**02/01/1988**

CONTACT DETAILS

ORGANIZATION: **SAN BERNARDINO COUNTY**
ADDRESS: **620 S. E STREET**
CITY: **SAN BERNARDINO**
CONTACT NAME: **MARILYN KRAFT**
CONTACT TYPE: **LOCAL AGENCY CASEWORKER**

CONTACT PHONE: **NOT REPORTED**
EMAIL: **NOT REPORTED**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **VALERIE JAHN-BULL**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824903**
EMAIL: **VALERIE.JAHN-BULL@WATERBOARDS.CA.GOV**

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Historical Cortese List (HISTCORTESE)

MAP ID# 55

Distance from Property: 0.446 mi. (2,355 ft.) SSW
Elevation: 922 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083600809TCOR**
ID#: **083600809T**
NAME: **GONZALES AND SONS**
ADDRESS: **844**
ONTARIO, CA 92716

Back to Report Summary

Leaking Underground Storage Tanks (LUST)

MAP ID# 55

Distance from Property: 0.446 mi. (2,355 ft.) SSW
Elevation: 922 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100088**
URL LINK: CLICK HERE
BUSINESS NAME: **GONZALES AND SONS**
ADDRESS: **844 WOODLAWN ST**
ONTARIO, CA 92716
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083600809T**
STATUS: **COMPLETED - CASE CLOSED 03/24/1988**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 56

Distance from Property: 0.463 mi. (2,445 ft.) NE
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100616**
URL LINK: CLICK HERE
BUSINESS NAME: **BLACK GOLD**
ADDRESS: **1194 E HOLT BLVD**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603591T**
STATUS: **COMPLETED - CASE CLOSED 10/27/2000**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/01/50**	**LEAK STOPPED**
ENFORCEMENT	**10/27/2000**	**CLOSURE/NO FURTHER ACTION LETTER**
OTHER	**11/15/1999**	**LEAK REPORTED**
OTHER	**10/29/1999**	**LEAK DISCOVERY**
OTHER	**08/11/1997**	**LEAK STOPPED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**10/27/2000**
OPEN - SITE ASSESSMENT	**10/29/1999**
OPEN - CASE BEGIN DATE	**08/11/1997**

CONTACT DETAILS

ORGANIZATION: **SAN BERNARDINO COUNTY**
ADDRESS: **620 SOUTH E STREET**
CITY: **SAN BERNARDINO**
CONTACT NAME: **JACKSON CRUTSINGER**
CONTACT TYPE: **LOCAL AGENCY CASEWORKER**
CONTACT PHONE: **NOT REPORTED**
EMAIL: **JCRUTSINGER@SBCFIRE.ORG**

GeoTracker Cleanup Sites (CLEANUPSITES)

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **ROSE SCOTT**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9513206375**
EMAIL: **ROSE.SCOTT@WATERBOARDS.CA.GOV**

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Historical Cortese List (HISTCORTESE)

MAP ID# 56

Distance from Property: 0.464 mi. (2,450 ft.) NE
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083603591TCOR**
ID#: **083603591T**
NAME: **BLACK GOLD**
ADDRESS: **1194**
ONTARIO, CA 91761

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Leaking Underground Storage Tanks (LUST)

MAP ID# 56

Distance from Property: 0.463 mi. (2,445 ft.) NE
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100616**
URL LINK: CLICK HERE
BUSINESS NAME: **BLACK GOLD**
ADDRESS: **1194 E HOLT BLVD**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603591T**
STATUS: **COMPLETED - CASE CLOSED 10/27/2000**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

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Historical Cortese List (HISTCORTESE)

MAP ID# 57

Distance from Property: 0.467 mi. (2,466 ft.) WNW
Elevation: 980 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083601143TCOR**
ID#: **083601143T**
NAME: **UNOCAL BULK PLANT #0551**
ADDRESS: **601**
ONTARIO, CA 91761

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 58

Distance from Property: 0.484 mi. (2,556 ft.) NW
Elevation: 999 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100456**
URL LINK: CLICK HERE
BUSINESS NAME: **POWER THRUST INC.**
ADDRESS: **124 N CAMPUS AVE**
ONTARIO, CA 91764
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603063T**
STATUS: **COMPLETED - CASE CLOSED 10/30/2001**
POTENTIAL CONTAMINATION:
GASOLINE
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
ENFORCEMENT	**10/30/2001**	**CLOSURE/NO FURTHER ACTION LETTER**
OTHER	**08/29/1997**	**LEAK REPORTED**
OTHER	**08/02/1997**	**LEAK DISCOVERY**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**10/30/2001**
OPEN - CASE BEGIN DATE	**08/02/1997**
OPEN - SITE ASSESSMENT	**08/02/1997**

CONTACT DETAILS

ORGANIZATION: **SAN BERNARDINO COUNTY**
ADDRESS: **620 SOUTH E STREET**
CITY: **SAN BERNARDINO**
CONTACT NAME: **JACKSON CRUTSINGER**
CONTACT TYPE: **LOCAL AGENCY CASEWORKER**
CONTACT PHONE: **NOT REPORTED**
EMAIL: **JCRUTSINGER@SBCFIRE.ORG**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**

GeoTracker Cleanup Sites (CLEANUPSITES)

CITY: **RIVERSIDE**
CONTACT NAME: **VALERIE JAHN-BULL**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824903**
EMAIL: **VALERIE.JAHN-BULL@WATERBOARDS.CA.GOV**

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Historical Cortese List (HISTCORTESE)

MAP ID# 58

Distance from Property: 0.484 mi. (2,556 ft.) NW
Elevation: 999 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083603063TCOR**
ID#: **083603063T**
NAME: **POWER THRUST INC.**
ADDRESS: **124**
ONTARIO, CA 91764

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Leaking Underground Storage Tanks (LUST)

MAP ID# 58

Distance from Property: 0.484 mi. (2,556 ft.) NW
Elevation: 999 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100456**
URL LINK: CLICK HERE
BUSINESS NAME: **POWER THRUST INC.**
ADDRESS: **124 N CAMPUS AVE**
ONTARIO, CA 91764
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603063T**
STATUS: **COMPLETED - CASE CLOSED 10/30/2001**
POTENTIAL CONTAMINATION:
GASOLINE
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

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MAP ID# 59

Distance from Property: 0.502 mi. (2,651 ft.) SSW
Elevation: 915 ft. (Lower than TP)

SITE INFORMATION

ID #: **36340065** ASSESSOR'S PARCEL #: **1049-421-01, 1049-421-02, 1049-431-06, 104942101, 104942102, 104943106**
FACILITY LINK: CLICK HERE
NAME: **OAKWOOD INTERIORS SITE**
ADDRESS: **1333 S BON VIEW AVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES): **9.8**
LEAD AGENCY: **SMBRP**
DTSC PROJECT MANAGER: **ANTHONY ROSAS**
DTSC SUPERVISOR: **MARYAM TASNIF-ABBASI**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **YES**
SITE TYPE: **VOLUNTARY CLEANUP**
SITE TYPE DESCRIPTION
VOLUNTARY CLEANUP
DTSC's CURRENT INVOLVEMENT AT SITE (as of 2008-12-15 00:00:00)
CERTIFIED O&M - LAND USE RESTRICTIONS ONLY -
PAST USE/S THAT CAUSED THE CONTAMINATION
METAL PLATING - CHROME
CONFIRMED CONTAMINANTS OF CONCERN
NONE SPECIFIED

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MAP ID# 60

Distance from Property: 0.502 mi. (2,651 ft.) E
Elevation: 916 ft. (Lower than TP)

FACILITY INFORMATION

Geosearch Id: **J09CA0531**
FUDS NUMBER: **J09CA0531**
PROPERTY NAME: **ONTARIO ARMY AIRFIELD**
ADDRESS: **SAN BERNARDINO COUNTY**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAIL(S)

FUDS PROPERTY POINT DATA
FFID: **CA99799F686800**
PROPERTY ID: **NOT REPORTED**
PROJECT ID: **NOT REPORTED**
ENV SITE ID: **NOT REPORTED**
SITE ID: **NOT REPORTED**
MRA ID: **NOT REPORTED**
PROJECT NUMBER: **NOT REPORTED**
PROJECT NAME: **NOT REPORTED**
PROGRAM: **NOT REPORTED**
CATEGORY: **NOT REPORTED**
STATUS: **PROPERTIES WITH ALL PROJECTS AT SITE CLOSEOUT**
FED LAND TYPE: **NOT REPORTED**
FED LAND NAME: **NOT REPORTED**
FED LAND AGENCY: **NOT REPORTED**
SITE CLOSEOUT DATE: **NOT REPORTED**
REMEDY IN PLACE DATE: **NOT REPORTED**
RESPONSE COMPLETE DATE: **NOT REPORTED**
NPL STATUS CODE: **NOT LISTED**
CURRENT OWNER: **LOCAL GOVERNMENT**
ELIGIBILITY: **ELIGIBLE**
HAS PROJECTS: **YES**
FISCAL YEAR: **2018**
EPA REGION: **09**
CONGRESSIONAL DISTRICT: **35**
DISTRICT RESPONSIBLE FOR THE FUDS PROPERTY: **LOS ANGELES DISTRICT (SPL)**
IS THE PROPERTY HAS ANY CLEANUP UNDER THE MILITARY MUNITIONS RESPONSE PROGRAM (MMRP): **NOT REPORTED**
ACREAGE: **NOT REPORTED**
DESCRIPTION: **NOT REPORTED**
HISTORY: **NOT REPORTED**
EMS MAP LINK: CLICK HERE

FUDS PROPERTY POLYGON DATA
FFID: **CA99799F686800**
PROPERTY ID: **NOT REPORTED**

Formerly Used Defense Sites (FUDS)

PROJECT ID: **NOT REPORTED**
ENV SITE ID: **NOT REPORTED**
SITE ID: **NOT REPORTED**
MRA ID: **NOT REPORTED**
PROJECT NUMBER: **NOT REPORTED**
PROJECT NAME: **NOT REPORTED**
PROGRAM: **NOT REPORTED**
CATEGORY: **NOT REPORTED**
STATUS: **PROPERTIES WITH ALL PROJECTS AT SITE CLOSEOUT**
FED LAND TYPE: **NOT REPORTED**
FED LAND NAME: **NOT REPORTED**
FED LAND AGENCY: **NOT REPORTED**
SITE CLOSEOUT DATE: **NOT REPORTED**
REMEDY IN PLACE DATE: **NOT REPORTED**
RESPONSE COMPLETE DATE: **NOT REPORTED**
NPL STATUS CODE: **NOT LISTED**
CURRENT OWNER: **LOCAL GOVERNMENT**
ELIGIBILITY: **ELIGIBLE**
HAS PROJECTS: **YES**
FISCAL YEAR: **2018**
EPA REGION: **9**
CONGRESSIONAL DISTRICT: **35**
DISTRICT RESPONSIBLE FOR THE FUDS PROPERTY: **LOS ANGELES DISTRICT (SPL)**
IS THE PROPERTY HAS ANY CLEANUP UNDER THE MILITARY MUNITIONS RESPONSE PROGRAM (MMRP): **Y**
ACREAGE: **NOT REPORTED**
DESCRIPTION: **THE SITE COMPRISED OF 875.49 ACRES IN ONTARIO, CALIFORNIA. THE SITE ENCOMPASSES ALL OF THE PRESENT AIRPORT PROPERTY WEST OF ARCHIBALD AVENUE AND SECTIONS SOUTH OF MISSION BLVD. BETWEEN GROVE AND TURNER STREETS. THE CITY OF ONTARIO SUBSEQUENTLY EXPANDED THE AIRPORT TO THE EAST TO LENGTHEN THE RUNWAYS AND TAXIWAYS AND NAMED THE AIRPORT ONTARIO INTERNATIONAL AIRPORT. OVER THE YEARS, THE CITY OF ONTARIO LEASED PORTIONS OF THE AIRPORT TO NUMEROUS COMPANIES FOR COMMERCIAL AND INDUSTRIAL PURPOSES. AEROSPACE COMPANIES BUILT, TESTED, OVERHAULED, AND REFURBISHED AIRCRAFT WITHIN AND ADJACENT TO THE AIRPORT. IN 1985, THE CITY OF ONTARIO DEEDED TITLE OF THE AIRPORT PROPERTY TO THE CITY OF LOS ANGELES, DEPARTMENT OF AIRPORTS (LADA). FROM 1967 TO 1985, THE LADA OPERATED AND MAINTAINED THE AIRPORT FOR THE CITY OF ONTARIO UNDER AN AGREEMENT. AAF IMPROVEMENTS INCLUDED MAINTENANCE AND FUELING FACILITIES FOR AIRCRAFT AND MOTOR VEHICLES, TAXIWAYS AND HARDSTANDS, SUBSISTENCE, RECREATION, STORAGE AND OPERATIONS BUILDINGS, UTILITIES, AND AN AMMO DUMP.**
HISTORY: **THE SITE CONSISTED OF A TOTAL OF 875.49 ACRES; 375.11 ACRES FEE, 518.12 ACRES LEASE, AND 0.26 ACRES EASEMENT ACQUIRED BETWEEN 1942 AND 1944. A PORTION OF THE SITE (ONTARIO AIR NATIONAL GUARD) IS ADRESSED UNDER J09CA0522. CIVILIAN AIRPORT OPERATIONS AT THIS SITE BEGAN IN THE EARLY 1930S AND WAS LOCATED IN THE SOUTHWEST CORNER OF THE FIELD. THE AIRPORT WAS THEN EXPANDED BETWEEN 1940 AND 1942 BY THE CITY OF ONTARIO. THE AAF BEGAN OPERATION IN 1942, WHEN THE U.S. ARMY OBTAINED CONTROL OF ONTARIO MUNICIPAL AIRPORT AND EXPANDED IT BY DEVELOPMENT OF THE AGRICULTURAL LAND ADJACENT TO THE AIRPORT. THE U.S. ARMY UTILIZED THE SITE FOR TRAINING P-38 FIGHTER PILOTS. THE SITE WAS SURPLUSED ON 15 NOVEMBER 1945 AND THEN TRANSFERRED ON 29 OCTOBER 1946 TO THE WAR ASSETS ADMINISTRATION FOR CONTROL. IN 1949, THE U.S. TERMINATED ALLLEASES AND EASEMENTS AT THE SITE AND QUITCLAIMED THE FEE TITLE TOT HE CITY OF ONTARIO, WITH THE EXCEPTION OF 7.93 ACRES, WHICH WAS WITHDRAWN FROM SURPLUS ON 7 APRIL 1949 BY THE U.S. AIR FORCE FOR THE ESTABLISHMENT OF THE NATIONAL GUARD TRAINING SITE.**

EMS MAP LINK: CLICK HERE

FUDS PROJECT POINT DATA

FFID: **CA99799F686800**
PROPERTY ID: **61967**
PROJECT ID: **01**
ENV SITE ID: **01PRP/HTRW**
SITE ID: **NOT REPORTED**
MRA ID: **NOT REPORTED**
PROJECT NUMBER: **NOT REPORTED**
PROJECT NAME: **PRP/HTRW**
PROGRAM: **IRP**
CATEGORY: **PRP/HTRW**
STATUS: **RESPONSE COMPLETE AND SITE CLOSEOUT**
FED LAND TYPE: **NOT REPORTED**
FED LAND NAME: **NOT REPORTED**
FED LAND AGENCY: **NOT REPORTED**
SITE CLOSEOUT DATE: **2018-01-01**
REMEDY IN PLACE DATE: **2017-03-01**
RESPONSE COMPLETE DATE: **2017-03-01**
NPL STATUS CODE: **NOT REPORTED**
CURRENT OWNER: **NOT REPORTED**
ELIGIBILITY: **NOT REPORTED**
HAS PROJECTS: **NOT REPORTED**
FISCAL YEAR: **NOT REPORTED**
EPA REGION: **NOT REPORTED**
CONGRESSIONAL DISTRICT: **NOT REPORTED**
DISTRICT RESPONSIBLE FOR THE FUDS PROPERTY: **NOT REPORTED**
IS THE PROPERTY HAS ANY CLEANUP UNDER THE MILITARY MUNITIONS RESPONSE PROGRAM (MMRP): **NOT REPORTED**
ACREAGE: **NOT REPORTED**
DESCRIPTION: **NOT REPORTED**
HISTORY: **NOT REPORTED**
EMS MAP LINK: CLICK HERE

FUDS PROJECT POINT DATA

FFID: **CA99799F686800**
PROPERTY ID: **61967**
PROJECT ID: **02**
ENV SITE ID: **02OEW**
SITE ID: **NOT REPORTED**
MRA ID: **NOT REPORTED**
PROJECT NUMBER: **NOT REPORTED**
PROJECT NAME: **SMALL ARMS RANGES**
PROGRAM: **MMRP**
CATEGORY: **MMRP**

Formerly Used Defense Sites (FUDS)

STATUS: **RESPONSE COMPLETE AND SITE CLOSEOUT**
FED LAND TYPE: **NOT REPORTED**
FED LAND NAME: **NOT REPORTED**
FED LAND AGENCY: **NOT REPORTED**
SITE CLOSEOUT DATE: **2011-08-01**
REMEDY IN PLACE DATE: **2011-08-01**
RESPONSE COMPLETE DATE: **2011-08-01**
NPL STATUS CODE: **NOT REPORTED**
CURRENT OWNER: **NOT REPORTED**
ELIGIBILITY: **NOT REPORTED**
HAS PROJECTS: **NOT REPORTED**
FISCAL YEAR: **NOT REPORTED**
EPA REGION: **NOT REPORTED**
CONGRESSIONAL DISTRICT: **NOT REPORTED**
DISTRICT RESPONSIBLE FOR THE FUDS PROPERTY: **NOT REPORTED**
IS THE PROPERTY HAS ANY CLEANUP UNDER THE MILITARY MUNITIONS RESPONSE PROGRAM (MMRP): **NOT REPORTED**
ACREAGE: **33**
DESCRIPTION: **NOT REPORTED**
HISTORY: **NOT REPORTED**
EMS MAP LINK: CLICK HERE

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MAP ID# 61

Distance from Property: 0.570 mi. (3,010 ft.) WNW
Elevation: 982 ft. (Higher than TP)

SITE INFORMATION

ID #: **80001800** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **GENERAL ELECTRIC COMPANY**
ADDRESS: **234 EAST MAIN ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES): **0**
LEAD AGENCY: **RWQCB 8 - SANTA ANA**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: *** UNKNOWN**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **CORRECTIVE ACTION**
SITE TYPE DESCRIPTION
CORRECTIVE ACTION
DTSC's CURRENT INVOLVEMENT AT SITE (as of 2008-01-01 00:00:00)
REFER: RWQCB -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

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EnviroStor Permitted and Corrective Action Sites (ENVIROSTORPCA)

MAP ID# 61

Distance from Property: 0.570 mi. (3,010 ft.) WNW
Elevation: 982 ft. (Higher than TP)

SITE INFORMATION

GEOSEARCH ID: **CAT000622357**
EPA ID: **CAT000622357**
NAME: **GENERAL ELECTRIC COMPANY**
ADDRESS: **234 EAST MAIN ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY TYPE: **HISTORICAL - NON-OPERATING**
STATUS: **CLOSED**
SUPERVISOR:
FACILITY STATUS:
COMMERCIAL OFFSITE FACILITY TYPES:
QUARTERLY UPDATE: **GE FACILITY MANUFACTURED FLATIRONS FROM 1927 TO 19**
PROJECT MANAGER:
PROJECT MANAGER LEAD:
PERMIT TYPE: **RCRA**
PERMIT EFFECTIVE DATE:
PERMIT EXPIRATION DATE:
SITE CODE:
CALENVIROSCREEN SCORE: **96-100% (HIGHEST SCO**
ASSEMBLY DISTRICT: **52**
SENATE DISTRICT: **20**
TOTAL PLANNED HOURS:
TOTAL PLANNED AMOUNT:
TOTAL ACTUAL HOURS:
PUBLIC INFORMATION OFFICER:
PUBLIC PARTICIPATION SPECIALIST:

HAZARDOUS WASTE UNITS UNDERGOING CLOSURE

COMPLETED DATE: **03/31/1995**
DUE DATE:
UNIT: **CONTAIN1**
EVENT DESCRIPTION: **CLOSURE FINAL - ISSUE CLOSURE VERIFICATION**
FACILITY TYPE: **HISTORICAL - NON-OPERATING**
FACILITY SIZE:
ACTIVITY TYPE: **CLOSURE FINAL**
FINAL:
TYPE: **RCRA**
TITLE DESCRIPTION: **CLOSURE**
COMMENT: **CLOSURE CERTIFICATION ACCEPTANCE BASED ON DTSC'S REVIEW OF PAST DOCUMENTATIONS.**
COMPLETED DATE: **06/30/1982**
DUE DATE:
UNIT: **CONTAIN1**
EVENT DESCRIPTION: **CLOSURE FINAL - RECEIVE CLOSURE CERTIFICATION**

FACILITY TYPE: **HISTORICAL - NON-OPERATING**
FACILITY SIZE:
ACTIVITY TYPE: **CLOSURE FINAL**
FINAL:
TYPE: **RCRA**
TITLE DESCRIPTION: **CLOSURE**
COMMENT:

HAZARDOUS WASTE UNITS COMPLETED ACTIVITIES
COMPLETED DATE: **11/01/1980**
DUE DATE:
UNIT:
EVENT DESCRIPTION: **NEW OPERATING PERMIT - APPLICATION PART A RECEIVED**
FACILITY TYPE: **HISTORICAL - NON-OPERATING**
PERMIT BEING RENEWED:
PERMIT BEING MODIFIED:
FINAL:
TYPE: **RCRA**
TITLE DESCRIPTION: **IMPORTED 12/2011:PERMIT**
COMMENT: **PER 5/31/89 INSPECTION REPORT. NOV 1980, DATE IS NOT SPECIFIED.**

MAINTENANCE **- NO INFORMATION REPORTED -**

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Resource Conservation & Recovery Act - Corrective Action Facilities (RCRAC)

MAP ID# 61

Distance from Property: 0.570 mi. (3,010 ft.) WNW
Elevation: 982 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAT000622357**
NAME: **GENERAL ELECTRIC COMPANY**
ADDRESS: **234 EAST MAIN STREET**
ONTARIO, CA 91761
CONTACT NAME: **PAUL C DEUTSCH**
CONTACT ADDRESS: **1281 E. ALLUVIAL #101**
FRESNO CA 93720
CONTACT PHONE: **559-264-2535**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **06/10/2020**

OWNER TYPE: **PRIVATE**
OWNER NAME: **OAKFIELD REALTY PARTNERS LLC**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **GENERAL ELECTRIC COMPANY**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
RANDALL L MCALISTER	**EXECUTIVE MANAGER ENVIRONMENTAL REMEDIATION**	**02/17/2016**
LISA A HAMILTON	**MANAGER, GECEP**	**02/13/2006**
PAUL DEUTSCH	**PRINCIPAL SCIENTIST**	**11/06/2018**
LISA A HAMILTON	**MANAGER**	**04/30/2008**
RICH VAILLE	**MANAGER, RCRA ENFORCEMENT OFFICE**	**03/05/2007**
LISA A HAMILTON	**MGR**	**01/24/2005**
PAUL C DEUTSCH	**PRINCIPAL SCIENTIST**	**04/01/2020**
PAUL C DEUTSCH	**PRINCIPAL SCIENTIST**	**03/30/2017**
PAUL C DEUTSCH	**PRINCIPAL SCIENTIST**	**08/01/2017**
PAUL C DEUTSCH	**PRINCIPAL SCIENTIST**	**06/26/2018**
PAUL C DEUTSCH	**PRINCIPAL SCIENTIST**	**06/10/2020**

INDUSTRY CLASSIFICATION (NAICS)

335211 - ELECTRIC HOUSEWARES AND HOUSEHOLD FAN MANUFACTURING
56291 - REMEDIATION SERVICES
562910 - REMEDIATION SERVICES
56299 - ALL OTHER WASTE MANAGEMENT SERVICES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **LARGE QUANTITY GENERATOR** LAST UPDATED DATE: **06/12/2020**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **YES**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **YES**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **YES**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NOT REPORTED**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSFER FACILITY: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS

08/13/2019	**CEI**	**COMPLIANCE EVALUATION INSPECTION ON-SITE**
03/02/1992	**CEI**	**COMPLIANCE EVALUATION INSPECTION ON-SITE**
05/15/1989	**FRR**	**FINANCIAL RECORD REVIEW**
05/10/1989	**CEI**	**COMPLIANCE EVALUATION INSPECTION ON-SITE**

VIOLATIONS

08/13/2019	**262.C**	**GENERATORS - PRE-TRANSPORT**
05/15/1989	**264.H**	**TSD - FINANCIAL REQUIREMENTS**

ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

134

351

741

D039	**TETRACHLOROETHYLENE**
D040	**TRICHLORETHYLENE**

UNIVERSAL WASTE

WASTE TYPE:	ACCUMULATED WASTE ON-SITE:	GENERATED WASTE ON-SITE:	SOURCE TYPE:
BATTERIES	**NO**	**NO**	**ANNUAL/BIENNIAL REPORT**
LAMPS	**NO**	**NO**	**ANNUAL/BIENNIAL REPORT**
PESTICIDES	**NO**	**NO**	**ANNUAL/BIENNIAL REPORT**
MERCURY CONTAINING EQUIPMENT	**NO**	**NO**	**ANNUAL/BIENNIAL REPORT**

CORRECTIVE ACTION AREA (RELEASE)

AREA NAME:	AIR:	GROUNDWATER:	SOIL:	SURFACE WASTE:
ENTIRE FACILITY				

CORRECTIVE ACTION EVENT

CA EVENT CODE: **CA029WQ**
EVENT DESCRIPTION: **LEAD AGENCY DETERMINATION**
EVENT SEQUENCE NUMBER: **1**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **08/28/1990**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA550RC**
EVENT DESCRIPTION: **REMEDY CONSTRUCTION-REMEDY CONSTRUCTED**
EVENT SEQUENCE NUMBER: **1**
EVENT RESPONSIBLE AGENCY: **EPA**

ACTUAL DATE OF EVENT: **07/08/2010**
ORIGINAL SCHEDULE DATE OF EVENT: **07/08/2010**
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA050RF**
EVENT DESCRIPTION: **RFA COMPLETED-ASSESSMENT WAS A RFA**
EVENT SEQUENCE NUMBER: **1**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **12/04/1997**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA036WQ**
EVENT DESCRIPTION: **DEFERRAL TO ANOTHER AGENCY**
EVENT SEQUENCE NUMBER: **2**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **10/31/1991**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA100**
EVENT DESCRIPTION: **INVESTIGATION IMPOSITION**
EVENT SEQUENCE NUMBER: **2**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **12/11/1987**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA049PA**
EVENT DESCRIPTION: **PA OR CERCLA INSPECTION**
EVENT SEQUENCE NUMBER: **3**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **10/13/1989**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA150**
EVENT DESCRIPTION: **INVESTIGATION WORKPLAN APPROVED**
EVENT SEQUENCE NUMBER: **3**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **01/01/1989**
ORIGINAL SCHEDULE DATE OF EVENT:

NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA074HI**
EVENT DESCRIPTION: **NCAPS RANKING/PRIORITY**
EVENT SEQUENCE NUMBER: **4**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **08/28/1990**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA200**
EVENT DESCRIPTION: **INVESTIGATION COMPLETE**
EVENT SEQUENCE NUMBER: **4**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **01/08/1993**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA075HI**
EVENT DESCRIPTION: **CA PRIORITIZATION-HIGH CA PRIORITY**
EVENT SEQUENCE NUMBER: **5**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **08/28/1990**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA210**
EVENT DESCRIPTION: **REFERRED TO A NON-RCRA AUTHORITY**
EVENT SEQUENCE NUMBER: **5**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **12/04/1997**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA725IN**
EVENT DESCRIPTION: **HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED**
EVENT SEQUENCE NUMBER: **6**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **03/09/2001**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA225NR**
EVENT DESCRIPTION: **STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION**
EVENT SEQUENCE NUMBER: **6**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **12/04/1997**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA750YE**
EVENT DESCRIPTION: **RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE**
EVENT SEQUENCE NUMBER: **7**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **03/09/2001**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA350**
EVENT DESCRIPTION: **CMS COMPLETE**
EVENT SEQUENCE NUMBER: **7**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **11/01/1995**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA600GW**
EVENT DESCRIPTION: **STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION & TREATMENT**
EVENT SEQUENCE NUMBER: **8**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **01/01/1994**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA650**
EVENT DESCRIPTION: **STABILIZATION CONSTRUCTION COMPLETED**
EVENT SEQUENCE NUMBER: **9**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **06/01/1995**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA725YE**

EVENT DESCRIPTION: **HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE**
EVENT SEQUENCE NUMBER: **10**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **12/04/1997**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA725YE**
EVENT DESCRIPTION: **HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE**
EVENT SEQUENCE NUMBER: **11**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **09/24/2004**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA750YE**
EVENT DESCRIPTION: **RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE**
EVENT SEQUENCE NUMBER: **11**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **12/04/1997**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA550RC**
EVENT DESCRIPTION: **REMEDY CONSTRUCTION-REMEDY CONSTRUCTED**
EVENT SEQUENCE NUMBER: **147**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **07/08/2010**
ORIGINAL SCHEDULE DATE OF EVENT: **07/08/2010**
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA725IN**
EVENT DESCRIPTION: **HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED**
EVENT SEQUENCE NUMBER: **150**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **02/02/2001**
ORIGINAL SCHEDULE DATE OF EVENT: **02/02/2001**
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA725YE**
EVENT DESCRIPTION: **HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE**
EVENT SEQUENCE NUMBER: **153**

EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **09/24/2004**
ORIGINAL SCHEDULE DATE OF EVENT: **09/24/2004**
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA750YE**
EVENT DESCRIPTION: **RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE**
EVENT SEQUENCE NUMBER: **156**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **02/02/2001**
ORIGINAL SCHEDULE DATE OF EVENT: **02/02/2001**
NEW SCHEDULE DATE OF EVENT:

Back to Report Summary

MAP ID# 62

Distance from Property: 0.996 mi. (5,259 ft.) WNW
Elevation: 996 ft. (Higher than TP)

SITE INFORMATION

ID #: **36720001** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **TERRA VISTA CLEANERS**
ADDRESS: **213 W HOLT AVE.**
ONTARIO, CA 91762
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: **REFERRED - NOT ASSIGNED**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **EVALUATION**
SITE TYPE DESCRIPTION
EVALUATION
DTSC's CURRENT INVOLVEMENT AT SITE (as of 2004-06-03 00:00:00)
REFER: 1248 LOCAL AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

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MAP ID# 62

Distance from Property: 0.996 mi. (5,259 ft.) WNW
Elevation: 996 ft. (Higher than TP)

SITE INFORMATION

ID #: **36720002** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **ELITE CLEANERS**
ADDRESS: **213 W HOLT AVE.**
ONTARIO, CA 91762
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: **REFERRED - NOT ASSIGNED**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **EVALUATION**
SITE TYPE DESCRIPTION
EVALUATION
DTSC's CURRENT INVOLVEMENT AT SITE (as of 2004-06-03 00:00:00)
REFER: 1248 LOCAL AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

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Unlocated Sites Summary

This list contains sites that could not be mapped due to limited or incomplete address information.

Database Name	Site ID#	Site Name	Address	City/State/Zip/County
AST2007	3672987464	ONTARIO (DISTRICT 8)		ONTARIO
CHMIRS	02-6416		BON VIEW STREET	ONTARIO
CLEANUPSITES	L10009147719	BRINE FAC, CHEM LAB PRODUCTS		ONTARIO

Environmental Records Definitions - FEDERAL

AIRSAFS Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 10/20/14

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance. Enforcement and Compliance History Online (ECHO) Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014, the EPA retired this system for Clean Air Act stationary sources.

ALTFUELS Alternative Fueling Stations

VERSION DATE: 10/28/20

Nationwide list of alternative fueling stations made available by the U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Bio-diesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE).

BF Brownfields Management System

VERSION DATE: 01/11/21

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment. This database includes tribal brownfield sites.

BRS Biennial Reporting System

VERSION DATE: 12/31/17

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The Biennial Report captures detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage and disposal facilities. Currently, the EPA states that data collected between 1991 and 1997 was originally a part of the defunct Biennial Reporting System and is now incorporated into the RCRAInfo data system.

CDL Clandestine Drug Laboratory Locations

VERSION DATE: 06/17/20

Environmental Records Definitions - FEDERAL

The U.S. Department of Justice ("the Department") provides this information as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.

DNPL Delisted National Priorities List

VERSION DATE: 10/19/21

This database includes sites from the United States Environmental Protection Agency's Final National Priorities List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

DOCKETS EPA Docket Data

VERSION DATE: 12/22/05

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. Please refer to ICIS database as source of current data.

DOD Department of Defense Sites

VERSION DATE: 12/01/14

This information originates from the National Atlas of the United States Federal Lands data, which includes lands owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

EC Federal Engineering Institutional Control Sites

VERSION DATE: 04/27/21

This database includes site locations where Engineering and/or Institutional Controls have been identified as part of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. The data displays remedy component information for Superfund decision documents issued in fiscal years 1982-2017, and it includes final and deleted NPL sites as well as sites with a Superfund Alternative Approach (SAA) agreement in place. The only sites included that are not on the NPL, proposed for NPL, or removed from proposed NPL, are those with an SAA Agreement in place. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the

potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.

ECHOR09 Enforcement and Compliance History Information

VERSION DATE: 11/28/20

The U.S. Environmental Protection Agency's Enforcement and Compliance History Online (ECHO) database, provides compliance and enforcement information for facilities nationwide. This database includes facilities regulated as Clean Air Act stationary sources, Clean Water Act direct dischargers, Resource Conservation and Recovery Act hazardous waste handlers, Safe Drinking Water Act public water systems along with other data, such as Toxics Release Inventory releases.

ERNSCA Emergency Response Notification System

VERSION DATE: 09/26/21

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

FEMAUST FEMA Owned Storage Tanks

VERSION DATE: 12/01/16

This is a listing of FEMA owned underground and aboveground storage tank sites. For security reasons, address information is not released to the public according to the U.S. Department of Homeland Security.

FRSCA Facility Registry System

VERSION DATE: 03/02/21

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility Index System or FINDS database.

FUDS Formerly Used Defense Sites

VERSION DATE: 12/31/18

The Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not

all properties currently have polygon data available. DISCLAIMER: This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

FUSRAP Formerly Utilized Sites Remedial Action Program

VERSION DATE: 03/04/17

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

HISTPST Historical Gas Stations

VERSION DATE: NR

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

HMIRSR09 Hazardous Materials Incident Reporting System

VERSION DATE: 03/24/21

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

HWCD Hazardous Waste Compliance Docket Facilities

VERSION DATE: 10/29/20

This list of the Federal Agency Hazardous Waste Compliance Docket Facilities is maintained by the United States Environmental Protection Agency (EPA). According to the EPA, Section 120(c) of CERCLA requires EPA to establish a listing, known as the Federal Facility Hazardous Waste Compliance Docket (Docket), of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste. Thus, the Docket identifies all Federal facilities that must be evaluated to determine whether they pose a risk to human health and the environment and it makes this information available to the public. In order for the Docket to remain current and accurate it requires periodic updating.

ICIS Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 09/19/20

ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.

ICISCLEANERS Integrated Compliance Information System Drycleaners

VERSION DATE: 09/19/20

This is a listing of drycleaner facilities from the Integrated Compliance Information System (ICIS). The U.S. Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments. The following Primary SIC Codes are included in this data: 7211, 7212, 7213, 7215, 7216, 7217, 7218, and/or 7219; the following Primary NAICS Codes are included in this data: 812320, 812331, and/or 812332.

ICISNPDES Integrated Compliance Information System National Pollutant Discharge Elimination System

VERSION DATE: 04/26/20

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. This database is provided by the U.S. Environmental Protection Agency.

LUCIS Land Use Control Information System

VERSION DATE: 09/01/06

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

MLTS Material Licensing Tracking System

VERSION DATE: 06/29/17

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements. Disclaimer: Due to agency regulations and policies, this database contains applicant/licensee location information which may or may not be related to the physical location per MLTS site.

MRDS Mineral Resource Data System

VERSION DATE: 03/15/16

MRDS (Mineral Resource Data System) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps. A few updates last occurred 2015 and early 2016 for select mine site area/s.

MSHA Mine Safety and Health Administration Master Index File

VERSION DATE: 08/07/20

The Mine dataset lists all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970. It includes such information as the current status of each mine (Active, Abandoned, NonProducing, etc.), the current owner and operating company, commodity codes and physical attributes of the mine. Mine ID is the unique key for this data. This information is provided by the United States Department of Labor - Mine Safety and Health Administration (MSHA).

NLRRCRAC No Longer Regulated RCRA Corrective Action Facilities

VERSION DATE: 08/09/21

This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.

NLRRCRAT No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 08/09/21

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

NMS Former Military Nike Missile Sites

VERSION DATE: 12/01/84

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline,

heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

NPDESR09 National Pollutant Discharge Elimination System

VERSION DATE: 04/01/07

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. The NPDES database was collected from the U.S. Environmental Protection Agency (EPA) from December 2002 through April 2007. Refer to the ICIS and/or ICIS-NPDES database as source of current data. This database includes permitted facilities located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

NPL National Priorities List

VERSION DATE: 10/19/21

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

ODI Open Dump Inventory

VERSION DATE: 06/01/85

The open dump inventory was published by the United States Environmental Protection Agency. An “open dump” is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

PADS PCB Activity Database System

VERSION DATE: 11/19/20

PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of Polychlorinated Biphenyls (PCB) who are required to notify the U.S. Environmental Protection Agency of such activities.

PCSR09 Permit Compliance System

VERSION DATE: 08/01/12

The historic Permit Compliance System tracked enforcement status and permit compliance of facilities controlled

by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act. This database includes permitted facilities located in EPA Region 9 states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa. This system has since been modernized by United States Environmental Protection Agency and is now integrated into the Integrated Compliance Information System (ICIS). Please refer to the ICIS database as the current source for this data.

PNPL Proposed National Priorities List

VERSION DATE: 10/19/21

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to determine if they may present long-term threats to public health or the environment.

RCRAC Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 08/09/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with corrective action activity.

RCRAGR09 Resource Conservation & Recovery Act - Generator

VERSION DATE: 08/09/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities currently generating hazardous waste. EPA Region 9 includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

RCRANGR09 Resource Conservation & Recovery Act - Non-Generator

VERSION DATE: 08/09/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities classified as non-generators. Non-Generators do not presently generate hazardous waste. EPA

Region 9 includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

RCRASC RCRA Sites with Controls

VERSION DATE: 08/12/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with institutional controls in place.

RCRASUBC Resource Conservation & Recovery Act - Subject to Corrective Action Facilities

VERSION DATE: 08/09/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities subject to corrective actions.

RCRAT Resource Conservation & Recovery Act - Non-CORRACTS Treatment, Storage & Disposal Facilities

VERSION DATE: 08/09/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities recognized as hazardous waste treatment, storage, and disposal sites (TSD).

RODS Record of Decision System

VERSION DATE: 09/21/20

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

SEMS Superfund Enterprise Management System

VERSION DATE: 10/19/21

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs.

SEMSARCH Superfund Enterprise Management System Archived Site Inventory

VERSION DATE: 10/19/21

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System Archived Site Inventory (List 8R Archived) replaced the CERCLIS NFRAP reporting system in 2015. This listing reflects sites at which the EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program.

SEMSLIENS SEMS Lien on Property

VERSION DATE: 06/22/20

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs. This is a listing of SEMS sites with a lien on the property.

SFLIENS CERCLIS Liens

VERSION DATE: 06/08/12

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. This database contains those CERCLIS sites where the Lien on Property action is complete. Please refer to the SEMSLIENS database as source of current data.

SMCRA Surface Mining Control and Reclamation Act Sites

VERSION DATE: 12/18/20

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of

Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

SSEHRIPFAS SSEHRI PFAS Contamination Sites

VERSION DATE: 12/12/19

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Please access the following source link for the most current information: https://pfasproject.com/pfas-contamination-site-tracker/

SSTS Section Seven Tracking System

VERSION DATE: 08/04/20

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. "Production" includes formulation, packaging, repackaging, and relabeling. For this database, the Product Information is only available for establishments up through 2014 or prior years, product details are no longer released by the EPA within the current SSTS non-Confidential Business Information data.

TRI Toxics Release Inventory

VERSION DATE: 12/31/18

The Toxics Release Inventory, provided by the United States Environmental Protection Agency, includes data on toxic chemical releases and waste management activities from certain industries as well as federal and tribal facilities. This inventory contains information about the types and amounts of toxic chemicals that are released each year to the air, water, and land as well as information on the quantities of toxic chemicals sent to other facilities for further waste management.

TSCA Toxic Substance Control Act Inventory

VERSION DATE: 12/31/16

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency (EPA) authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site. The EPA has collected Chemical Data Reporting (CDR) data since in 1986 (as Inventory Update Reporting). Collections occur approximately every four years and reporting requirements changed from collection to collection.

USUMTRCA Uranium Mill Tailings Radiation Control Act Sites

VERSION DATE: 03/04/17

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Environmental Records Definitions - STATE (CA)

ABST Above Ground Storage Tanks

VERSION DATE: 08/12/21

This database, provided by the California Environmental Protection Agency's (CalEPA) Regulated Site Portal, contains aboveground petroleum storage tank facilities originating from the California Environmental Reporting System (CERS). These facilities store petroleum in aboveground storage tanks with oversight by local agencies. As of January 1, 2008, Assembly Bill No. 1130 of the Aboveground Petroleum Storage Act (APSA) authorized the Certified Unified Program Agencies to implement and administer the requirements of the APSA. CalEPA Data Disclaimer: Information displayed in the portal is collected from separate agency databases and displayed unaltered. Information that is considered confidential, trade secret, or is otherwise protected by the agency that manages the database is not loaded into the portal. For more detail about information displayed in the portal, please visit the data source sites. Please refer to AST2007 database for aboveground storage tank information obtained from the California State Water Resources Control Board prior to 2008 APSA requirements.

AST2007 Aboveground Storage Tanks Prior to January 2008

VERSION DATE: 11/01/06

This database contains aboveground storage tank facilities registered with the California State Water Resources Control Board (SWRCB) between 2007 and 2003. Since 2006, tanks were required to contain a minimum (even as cumulative) of 1320 gallons to be in the program. As of January 1, 2008, the SWRCB no longer maintains a list of registered aboveground storage tanks, due to effective Assembly Bill No. 1130 (Laird) of the Aboveground Petroleum Storage Act (APSA). This Bill authorized the Certified Unified Program Agencies to implement and administer the requirements of the APSA. Please refer to ABST database as a current source for aboveground petroleum storage tank data.

BF Brownfield Sites

VERSION DATE: 11/04/21

This database of Brownfield Memorandum of Agreement (MOA) sites is maintained by the California Environmental Protection Agency. The California Department of Toxic Substances Control (CTSC), the State Water Resources Control Board, and the Regional Water Quality Control Boards (RWQCBs) agreed to a Brownfield Memorandum of Agreement (MOA). The MOA limits the oversight of a brownfields site to one agency, establishes procedures and guidelines for identifying the lead agency, calls for a single uniform site assessment procedure, requires all cleanups to address the requirements of the agencies, defines roles and responsibilities, provides for ample opportunity for public involvement, commits agencies to review time frames, and commits agencies to coordinate and communicate on brownfields issues. The Brownfield MOA site list is obtained from the State Water Resources Control Board GeoTracker online database. This list contains both open and completed sites.

CALSITES CALSITES Database

VERSION DATE: 05/01/04

This historical database was maintained by the Department of Toxic Substance Control for more than a decade.

CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

CDL Clandestine Drug Labs

VERSION DATE: 06/30/19

The California Department of Toxic Substance Control (DTSC) maintains this listing of illegal drug laboratories. DTSC maintains a limited cost-tracking database to manage and pay appropriate contractor invoices for removal costs. The data source is an expenditure report with the contractors' invoice information and the reported removal action locations. The reported location information may or may not include the actual location of the illegal drug lab for several reasons. First, DTSC receives the location information verbally from law enforcement or local environmental health officials in the initial request for emergency support. Second, DTSC does not verify the information received and does not perform "data cleaning" or other measures to ensure data quality. Third, the location information may not be the actual location of an illegal drug lab or any hazardous substance release to the environment. The initial report may have provided the location of the nearest identifiable address to an illegal drug lab or mobile lab or abandonment of illegal drug lab wastes, or a nearby meeting location for the contractor. Please note the DTSC does not guarantee the accuracy of the address or location information or the condition of the location listed. The listing of an address or location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the address or location either requires or does not require additional cleanup work or mitigation action.

CHMIRS California Hazardous Material Incident Report System

VERSION DATE: 08/31/21

The California Hazardous Material Incident Report System list is maintained by the California Governor's Office of Emergency Services (OES). This list contains all spills called in to the California OES Warning Center for a specific year since 1993.

CLEANER Dry Cleaner Facilities

VERSION DATE: 05/13/21

This list of dry cleaners is maintained by the California Department of Toxic Substances Control (DTSC). Data is extracted from the DTSC Hazardous Waste Tracking System. This list includes dry cleaner facilities that have registered EPA identification numbers. These facilities are categorized by SIC codes (7211, 7212, 7213, 7215, 7216, 7217, 7218, 7219). This database may also include facilities other than dry cleaners who also register with these same NAICS Codes. Not all companies report their NAICS/SIC Codes to the DTSC, therefore this database may exclude registered dry cleaner facilities with incomplete classification information.

CLEANUPSITES GeoTracker Cleanup Sites

VERSION DATE: NR

This list of GeoTracker Cleanup Sites is maintained by the California State Water Resources Control Board. The database contains contaminated sites that impact groundwater or have the potential to impact ground water,

including sites that require cleanup, such as Leaking Underground Storage Tank Sites, Department of Defense Sites, and Cleanup Program Sites. GeoTracker also contains records for various unregulated projects as well as permitted facilities including: Irrigated Lands, Oil and Gas production, operating Permitted USTs, and Land Disposal Sites. GeoTracker portals retrieve records and view integrated data sets from multiple State Water Board programs and other agencies.

CORTESE Cortese List

VERSION DATE: 01/06/21

This list of hazardous waste and substances sites (Cortese List) is maintained by the California Department of Toxic Substances Control (DTSC). DTSC's Brownfields and Environmental Restoration Program (Cleanup Program) EnviroStor database provides DTSC's component of Cortese List data by identifying Annual Workplan (now referred to State Response and/or Federal Superfund), and Backlog sites listed under Health and Safety Code section 25356. In addition, DTSC's Cortese List includes Certified with Operation and Maintenance sites. The list, or a site's presence on the list, has bearing on the local permitting process as well as on compliance with the California Environmental Quality Act (CEQA). Because this statute was enacted over twenty years ago, some of the provisions refer to agency activities that were conducted many years ago and are no longer being implemented and, in some cases, the information to be included in the Cortese List does not exist.

DROP Listing of Certified Dropoff, Collection, and Community Service Programs

VERSION DATE: 12/16/20

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

DTSCDR DTSC Deed Restrictions

VERSION DATE: 09/08/21

The California Department of Toxic Substances Control (DTSC) maintains this listi of sites with deed restrictions. According to the DTSC, restricted land use indicates whether the site or area within the site has an environmental restriction recorded and/or other institutional control preventing certain types of land use or activities. The land use restrictions listed under the site management requirements are only an abbreviated summary of the land use restrictions, and may not encompass all restrictions and notification requirements placed on a property. For complete land use restriction information please contact the DTSC to review associated Land Use Restriction documents.

DTSCHWT DTSC Registered Hazardous Waste Transporters

VERSION DATE: 10/19/20

The California Department of Toxic Substances Control maintains this list of Registered Hazardous Waste Transporters.

Environmental Records Definitions - STATE (CA)

EMI Emissions Inventory Data

VERSION DATE: 12/31/18

This list of Emissions Inventory Data is maintained by the California Environmental Protection Agency California Environmental Agency Air Resources Board. This list includes criteria pollutant data and toxic data. Please note gas stations, print shops, autobody shops, and dry cleaners are not included in this list.

ENVIROSTOR EnviroStor Cleanup Sites

VERSION DATE: 10/12/21

This list of Envirostor Cleanup Sites is maintained by the California Department of Toxic Substances Control (DTSC). DTSC has developed the EnviroStor database system to evaluate and track sites with confirmed or potential contamination and sites where further investigation may be necessary. This EnviroStor database of cleanup sites contains the following: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

ENVIROSTORPCA EnviroStor Permitted and Corrective Action Sites

VERSION DATE: 10/15/21

The California Department of Toxic Substance Control maintains this list of Hazardous Waste sites in their Envirostor online database. This list contains: 1) data pertaining to the Hazardous Waste Sites tracked in Envirostor; 2) the completed activities for Hazardous Waste Units; 3) the completed activities for Hazardous Waste Units undergoing closure; 4) completed maintenance activities; 5) the various "aliases" for a project (Some examples are: alt project name, alt address, EPA ID, etc.).

ERAP Expedited Removal Action Program Sites

VERSION DATE: 07/12/21

This list of Expedited Removal Action Program Sites is a subset of the EnviroStor database, maintained by the California Department of the Toxic Substance Control. Sites are queried from Envirostor by site type = State Response ERAP.

HISTCORTESE Historical Cortese List

VERSION DATE: 11/02/02

This historical listing includes hazardous waste and substances sites designated by the State Water Resources Control Board, the Integrated Waste Board, and the Department of Toxic Substance Control. The Cortese List was utilized by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. See CACORTESE for an updated version of this database.

Environmental Records Definitions - STATE (CA)

HISTUST Historical Underground Storage Tanks

VERSION DATE: 12/31/87

The Hazardous Substance Storage Container Database is a historical list of Underground Storage Tank sites, compiled from tank survey and registration information collected at one time between 1984 and 1987 by the State Water Resources Control Board. The hazardous substances stored within these tanks includes, but not restricted to, petroleum products, industrial solvents, and other materials.

HWTS Hazardous Waste Tanner Summary

VERSION DATE: 12/31/19

The Hazardous Waste Tanner Summary is maintained by the California Department of Toxic Substances Control (DTSC). This list includes data extracted from the copies of hazardous waste manifests received each year by the DTSC.

LDS Land Disposal Sites

VERSION DATE: 10/07/21

This list of Land Disposal sites (Landfills) is a subset of the GeoTracker Cleanup Sites database, maintained by the California State Water Resources Control Board. Sites are queried from GeoTracker by case type = Land Disposal Site.

LIENS Recorded Environmental Cleanup Liens

VERSION DATE: 11/16/20

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

LUST Leaking Underground Storage Tanks

VERSION DATE: 10/07/21

This list of leaking underground storage tanks is a subset of the GeoTracker Cleanup Sites database maintained by the California State Water Resources Control Board. Sites are queried from GeoTracker by case type = LUST Cleanup Site.

MCS Military Cleanup Sites

VERSION DATE: 10/07/21

This list of Military sites is a subset of the GeoTracker Cleanup Sites database maintained by the California State Water Resources Control Board. Sites are queried from GeoTracker by case type = Military Cleanup Sites. This

list includes : Military UST sites; Military Privatized sites; and Military Cleanup sites (formerly known as DoD non UST).

MINES Mines Listing

VERSION DATE: 01/12/21

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

MWMP California Medical Waste Management Program Facility List

VERSION DATE: 12/31/20

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

NFA No Further Action Determination

VERSION DATE: 09/09/19

This list of No Further Action (NFA) sites is maintained by the California Department of Toxic Substances Control. NFA identifies sites where a Phase I Environmental Assessment was completed and resulted in a no action required determination. Please refer to ENVIROSTOR for current No Further Action sites.

NFE Sites Needing Further Evaluation

VERSION DATE: 08/31/21

This list of Inactive - Needs Evaluation sites is maintained by the California Department of Toxic Substances Control. These are unconfirmed contaminated properties that need further assessment. This data is queried from the Department of Toxic Substances Control Evirostor online database.

NPDES National Pollutant Discharge Elimination System Facilities

VERSION DATE: 11/18/20

This list of active, historical, and terminated National Pollutant Discharge Elimination System Facilities permits is maintained by the California Environmental Protection Agency State Water Resources Control Board. This data includes storm water general permit enrollees that are active or have been active within the past three years. Please note there can be multiple listings for a single permit due to multiple dischargers, multiple facilities, and/or multiple address listings. Please use the Regulatory Measure ID to identify duplicates, as this is a unique identifier for each permit.

PFAS PFAS Sampling Location Sites

VERSION DATE: 12/14/20

This list of PFAS Sampling Locations is maintained by the California State Water Resources Control Board (SWRCB). This list contains site locations with Per- and Polyfluoroalkyl Substances (PFAS) analytical data. The data can represent individual sampling points (i.e. soil boring, groundwater monitoring well, drinking water well, etc.) or a site location with multiple sampling points. Sites currently under investigation are not included in this database until analytical results are finalized and submitted electronically by the Responsible Parties via GeoTracker's Electronic Submittal of Information Portal, and after acceptance by a Regional Water Quality Control Board. According to the SWRCB, the addresses in this data may or may not be accurate.

PROC Listing of Certified Processors

VERSION DATE: 10/27/20

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

REF Referred to Another Local or State Agency

VERSION DATE: 08/31/21

This Referred to Another Local or State Agency list, maintained by the California Department of Toxic Substances Control (DTSC), contains properties where contamination has not been confirmed and which were determined as not requiring direct Department of Toxic Substance Control Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency. This data is extracted from the DTSC Envirostor online database and is queried by Status = "Refer state and local agencies".

SLIC Spills, Leaks, Investigation & Cleanup Recovery Listing

VERSION DATE: 08/04/21

This list of Spills, Leaks, Investigation & Cleanup Recovery sites is maintained by the California Regional Water Quality Control Board (RWQCB). This list all "non-federally owned" sites that are regulated under the State Water Resources Control Board's Site Cleanup Program and/or similar programs conducted by each of the nine Regional Water Quality Control Boards. Cleanup Program Sites are also commonly referred to as "Site Cleanup Program sites". Cleanup Program Sites are varied and include but are not limited to pesticide and fertilizer facilities, rail yards, ports, equipment supply facilities, metals facilities, industrial manufacturing and maintenance sites, dry cleaners, bulk transfer facilities, refineries, mine sites, landfills, RCRA/CERCLA cleanups, and some

brownfields. Unauthorized releases detected at Cleanup Program Sites are highly variable and include but are not limited to hydrocarbon solvents, pesticides, perchlorate, nitrate, heavy metals, and petroleum constituents, to name a few.

SWEEPS Statewide Environmental Evaluation and Planning System

VERSION DATE: 10/01/94

The Statewide Environmental Evaluation and Planning System (SWEEPS) contains a historical listing of active and inactive underground storage tank locations from the State Water Resources Control Board. The hazardous substances stored within these tanks includes, but not restricted to, petroleum products, industrial solvents, and other materials. Refer to CUPA listing for source of current data.

SWIS Solid Waste Information System Sites

VERSION DATE: 07/19/21

This list of Solid Waste Information System Sites is extracted from the Solid Waste Information System (SWIS) database, maintained by the California Department of Resources Recycling and Recovery. The SWIS database includes information on solid waste facilities, operations, and disposal sites located in California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

SWRCY Recycling Centers

VERSION DATE: 11/02/20

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

TOXPITS Toxic Pits Cleanup Act Sites

VERSION DATE: 07/01/95

Toxic Pits are sites with possible contamination of hazardous substances where cleanup is necessary. This listing is no longer updated by the State Water Resources Control Board.

USTCUPA Underground Storage Tanks

VERSION DATE: 07/09/21

The California State Water Resources Control Board maintains this list of permitted underground storage tanks. Permitted Underground Storage Tank (UST) Facilities includes facilities at which the owner or operator has been issued a permit to operate one or more USTs by the local permitting agency. Permitted UST Facilities are imported weekly from the California Environmental Reporting System (CERS).

Environmental Records Definitions - STATE (CA)

VCP Voluntary Cleanup Program

VERSION DATE: 10/12/21

This list of Voluntary Cleanup Sites is a subset of the Envirostor database maintained by the California Department of Toxic Substance Control. Sites are queried from Envirostor by site type = Voluntary Cleanup.

WMUDS Waste Management Unit Database

VERSION DATE: 01/01/00

The Waste Management Unit Database System tracks and inventories waste management units. CCR Title 27 contains criteria stating that Waste Management Units are classified according to their ability to contain wastes. Containment shall be determined by geology, hydrology, topography, climatology, and other factors relating to the ability of the Unit to protect water quality. Water Code Section 13273.1 requires that operators submit a water quality solid waste assessment test (SWAT) report to address leak status. The WMUDS was last updated by the State Water Resources control board in 2000.

WTHAULERS Registered Waste Tire Haulers

VERSION DATE: 12/16/20

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Environmental Records Definitions - LOCAL

SBFD San Bernardino County Hazardous Site Listing

VERSION DATE: 11/16/20

This list of permitted hazardous sites is maintained by the San Bernardino County Fire Department. Active, inactive, fee exempt, and pending sites are included on this list.

SBMW San Bernardino County Medical Waste Facility List

VERSION DATE: 12/22/20

This list of San Bernardino County medical waste facilities is maintained by the County of San Bernardino Department of Public Health Medical Waste Program. The Medical Waste Program regulates generators of medical waste based on the Medical Waste Management Act. The program inspects medical waste facilities, facilities with on-site medical waste treatment units, and common storage areas annually. This program also investigates complaints regarding mishandling of medical waste and facilities that may be operating without a valid health permit. Some facilities that may generate medical waste include hospitals, skilled nursing facilities, blood banks, and doctors, dental and veterinarian offices.

Environmental Records Definitions - TRIBAL

INDIANRES Indian Reservations

VERSION DATE: 09/27/17

This database is extracted from select geographic and cartographic information from the U.S. Census Bureau. The Bureau of Indian Affairs (BIA) within the U.S. Department of the Interior (DOI) provides the list of federally recognized tribes. The American Indian/Alaska Native/Native Hawaiian (AIANNH) Areas includes the following legal entities: federally recognized American Indian reservations and off-reservation trust land areas, state-recognized American Indian reservations, and Hawaiian home lands (HHLs). The boundaries for federally recognized American Indian reservations and off-reservation trust lands are as of January 2017. The boundaries for state-recognized American Indian reservations and for state designated tribal statistical areas were delineated by state governor-appointed liaisons for the 2010 Census through the State American Indian Reservation Program and Tribal Statistical Areas Program respectively.

LUSTR09 Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 05/27/21

This database, provided by the United States Environmental Protection Agency (EPA), contains leaking underground storage tanks on Tribal lands located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

ODINDIAN Open Dump Inventory on Tribal Lands

VERSION DATE: 11/08/06

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

TORRESDUMPSITES Illegal Dump Sites on the Torres Martinez Reservation

VERSION DATE: 12/31/18

This listing of illegal dump site locations on the Torres Martinez Reservation is maintained by the United States Environmental Protection Agency, Region IX. These dump sites contain unlawfully discarded household waste such as landscaping and wood wastes with no known soil or groundwater contamination. A majority of the sites have already been cleaned up through the collaborative efforts of the EPA, The California Integrated Waste Management Board and the Torres Martinez Tribe. This data contains the 2007 List of Illegal Dump Site Locations from the Torres Martinez Reservation and the 2017-2018 List of Illegal Dump Site Locations from the Torres Martinez Reservation.

USTR09 Underground Storage Tanks On Tribal Lands

VERSION DATE: 05/27/21

This database, provided by the United States Environmental Protection Agency (EPA), contains underground

storage tanks on Tribal lands located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

APPENDIX C

County/City Information

San Bernardino County Assessor-Recorder-Clerk
Senator Bob Dutton (Ret.)

Report generated: Tuesday, November 30, 2021

Parcel Report

Parcel

Parcel:	1049181140000
Parcel Status:	A = ACTIVE
Parcel Type:	0 = REAL PROPERTY
Property ID:	
Tax Status:	1 = ASSESSED BY COUNTY
Use Code:	LT INDUST
Land Access:	PUB/PV PUBLIC PAVED
Size:	07 = 7.001 TO 14.000 ACRES
Land Type:	01 = INDUSTRIAL
District:	ONTARIO
Resp Group:	D = REAL PROPERTY
RespnUnit:	IND = INDUSTRIAL ZONE OR USE

Owner

Owner 1:	FLEET RV & BOAT STORAGE LLC
Owner 2:	C/O ELLEN HEGWER
Effective Date:	09/18/2015

Current Owners

Name	R/I	% Int	Type	Acquisition Date	Document Date	Inactive Date	Document Nbrs
FLEET RV & BOAT STORAGE LLC	SO = SOLE OWNER	100.0000	B = BILLED OWNER	03/25/2009	09/18/2015	NONE	20150407599

Legal Tract Map

Tract	Lot	Block	Unit	Book	Page

Legal Description

Legal Description
THE LAND SHOWN ON CERTIFICATE OF COMPLIANCE NO. CC15-006 RECORDED MAY 13, 2015 AS INSTRUMENT NO. 2015-0198030 AND RE-RECORDED JULY 22, 2015 AS INSTRUMENT NO. 2015-0310739, BOTH OF OFFICIAL RECORDS OF SAN BERNARDINO COUNTY, CALIFORNIA. ALSO DESCRIBED IN THE DOCUMENT AS FOLLOWS:PARCEL 1 OF PARCEL MAP 11929 PER MAP RECORDED IN BOOK 152, PAGES 83 THROUGH 84, INCLUSIVE, RECORDS OF SAID COUNTY TOGETHER WITH PARCEL 1 OF LLA14-009 PER DOCUMENT RECORDED DECEMBER 16, 2014 AS INSTRUMENT NO. 2014-0478738, RECORDS OF SAID COUNTY

Legal Reason For Change

Legal Reason For Change	Document Number	Recorded Date
LLA = LOT LINE ADJUSTMENT	20140478738	12/16/2014
LLA = LOT LINE ADJUSTMENT	20150150444	04/16/2015
COC = CERTIFICATE OF COMPLIANCE	20150198030	05/13/2015
COC = CERTIFICATE OF COMPLIANCE	20150203578	05/18/2015
COC = CERTIFICATE OF COMPLIANCE	20150310739	07/22/2015

Roll Values History

Roll Year	TRA	Supplement	Corrected Date	Corrected Code	Billed Owner	Joint Owner	Land Value	Improvement Value	Improvement Penalty	Personal Property Value	Personal Property Penalty	Total Penalties
2021	4083	NO			FLEET RV & BOAT STORAGE LLC		$1,640,567	$2,492,701	0	$0	$0	$0
2020	4083	NO			FLEET RV & BOAT STORAGE LLC		$1,623,745	$2,467,141	0	$0	$0	$0
2019	4083	NO			FLEET RV & BOAT STORAGE LLC		$1,591,907	$2,418,766	0	$0	$0	$0
2018	4083	NO			FLEET RV & BOAT STORAGE LLC		$1,560,693	$2,371,339	0	$0	$0	$0
2017	4083	NO			FLEET RV & BOAT STORAGE LLC		$1,530,091	$2,324,842	0	$0	$0	$0
2016	4083	NO			FLEET RV & BOAT STORAGE LLC		$1,500,089	$2,279,257	0	$0	$0	$0

Parcel History

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
09/18/2015	INACTIVATE - COMBINED	YES	1049181080000 OLD-COM
09/18/2015	CREATE - COMBINATION	YES	1049181140000 NEW-COM
09/18/2015	INACTIVATE - COMBINED	YES	1049181040000 OLD-COM
09/18/2015	INACTIVATE - COMBINED	YES	1049181060000 OLD-COM

Owner History

Name	R/I	% Int	Type	Acquisition Date	Document Date	OrigInactive Date	Document Number
FLEET RV & BOAT STORAGE LLC	SO = SOLE OWNER	100.0000	B = BILLED OWNER	03/25/2009	09/18/2015	NONE	20150407599

Land Characteristics

Effective Date From:	09/18/2015
Effective Date to:	Present
Zoning:	M3
Lot Width:	0.00
Lot Depth:	0.00
Footage:	438,154
Gross Acre:	10.059
Net Acre:	0
Access:	1 = PUBLIC PAVED
Slope Dir:	0 = NONE
Slope Degree:	0 = LEVEL
View Quality:	0 = NONE
View Type:	0 = NONE
Sewer:	1 = PUBLIC
Water:	1 = PUBLIC
Elec.:	2 = OVERHEAD
Gas:	1 = PUBLIC
Offsite:	1 = FULL (C&G, SIDEWALK, STREET LIGHTS)
Enc/Eas:	0 = NONE
Nuisance1:	0 = NONE
Nuisance2:	0 = NONE
Spc Infl1:	0 = NONE
Spc Infl2:	0 = NONE
Dock Rts:	0 = NONE
Lease Exp:	

Other Characteristics

Effective Date From:	09/18/2015
Effective Date to:	Present
Sequence:	1
Location:	
AddressIn1:	
AddressIn2:	
Use:	0113 = LIGHT INDUSTRIAL
Struc Quality:	A
Struc Type:	C
Gro Lease:	20,000
Net Lease:	20,000
Const. Year:	2000
Eff Year:	2000
Nbr Units:	1
Adj. SF Units:	0
# Stories:	0
Story Height:	0
Elevator:	0
Land Scape:	-
Func. Obs:	0 = NONE
Adj LB Rate:	0
Lease Exp:	
Apt 1 Units:	0
Apt 1 Bdrm:	0
Apt 1 Bath:	0
Apt 2 Units:	0
Apt 2 Bdrm:	0
Apt 2 Bath:	0
Apt 3 Units:	0
Apt 3 Bdrm:	0
Apt 3 Bath:	0
Apt 4 Units:	0
Apt 4 Bdrm:	0
Apt 4 Bath:	0
Apt 5 Units:	0
Apt 5 Bdrm:	0
Apt 5 Bath:	0
Garage:	0
Car Port:	0
Open Spaces:	0
RV Spaces:	0
Laundry:	-
Apt Pool:	-
Apt Spa:	-
Tennis:	-
Security Gate:	-
Office Percent:	0
Mezz SQF:	0

Restaurant:	-
Hotel Pool:	-
Hotel Spa:	-
Conf. Room:	-

Effective Date From:	09/18/2015
Effective Date to:	Present
Sequence:	2
Location:	
AddressIn1:	
AddressIn2:	
Use:	0113 = LIGHT INDUSTRIAL
Struc Quality:	A
Struc Type:	S
Gro Lease:	33,080
Net Lease:	33,080
Const. Year:	1956
Eff Year:	1956
Nbr Units:	1
Adj. SF Units:	0
# Stories:	0
Story Height:	0
Elevator:	0
Land Scape:	-
Func. Obs:	0 = NONE
Adj LB Rate:	0
Lease Exp:	
Apt 1 Units:	0
Apt 1 Bdrm:	0
Apt 1 Bath:	0
Apt 2 Units:	0
Apt 2 Bdrm:	0
Apt 2 Bath:	0
Apt 3 Units:	0
Apt 3 Bdrm:	0
Apt 3 Bath:	0
Apt 4 Units:	0
Apt 4 Bdrm:	0
Apt 4 Bath:	0
Apt 5 Units:	0
Apt 5 Bdrm:	0
Apt 5 Bath:	0
Garage:	0
Car Port:	0
Open Spaces:	0
RV Spaces:	0
Laundry:	-
Apt Pool:	-
Apt Spa:	-

Tennis:	-
Security Gate:	-
Office Percent:	0
Mezz SQF:	0
Restaurant:	-
Hotel Pool:	-
Hotel Spa:	-
Conf. Room:	-

Effective Date From:	09/18/2015
Effective Date to:	Present
Sequence:	3
Location:	
AddressIn1:	
AddressIn2:	
Use:	0113 = LIGHT INDUSTRIAL
Struc Quality:	A
Struc Type:	C
Gro Lease:	21,743
Net Lease:	21,743
Const. Year:	1947
Eff Year:	1947
Nbr Units:	1
Adj. SF Units:	0
# Stories:	0
Story Height:	0
Elevator:	0
Land Scape:	-
Func. Obs:	0 = NONE
Adj LB Rate:	0
Lease Exp:	
Apt 1 Units:	0
Apt 1 Bdrm:	0
Apt 1 Bath:	0
Apt 2 Units:	0
Apt 2 Bdrm:	0
Apt 2 Bath:	0
Apt 3 Units:	0
Apt 3 Bdrm:	0
Apt 3 Bath:	0
Apt 4 Units:	0
Apt 4 Bdrm:	0
Apt 4 Bath:	0
Apt 5 Units:	0
Apt 5 Bdrm:	0
Apt 5 Bath:	0
Garage:	0
Car Port:	0
Open Spaces:	0

RV Spaces:	0
Laundry:	-
Apt Pool:	-
Apt Spa:	-
Tennis:	-
Security Gate:	-
Office Percent:	0
Mezz SQF:	0
Restaurant:	-
Hotel Pool:	-
Hotel Spa:	-
Conf. Room:	-

Effective Date From:	09/18/2015
Effective Date to:	Present
Sequence:	4
Location:	
AddressIn1:	
AddressIn2:	
Use:	0110 = INDUSTRIAL LOFT
Struc Quality:	A
Struc Type:	S
Gro Lease:	2,480
Net Lease:	2,480
Const. Year:	1956
Eff Year:	1956
Nbr Units:	1
Adj. SF Units:	0
# Stories:	0
Story Height:	0
Elevator:	0
Land Scape:	-
Func. Obs:	0 = NONE
Adj LB Rate:	0
Lease Exp:	
Apt 1 Units:	0
Apt 1 Bdrm:	0
Apt 1 Bath:	0
Apt 2 Units:	0
Apt 2 Bdrm:	0
Apt 2 Bath:	0
Apt 3 Units:	0
Apt 3 Bdrm:	0
Apt 3 Bath:	0
Apt 4 Units:	0
Apt 4 Bdrm:	0
Apt 4 Bath:	0
Apt 5 Units:	0
Apt 5 Bdrm:	0

Apt 5 Bath:	0
Garage:	0
Car Port:	0
Open Spaces:	0
RV Spaces:	0
Laundry:	-
Apt Pool:	-
Apt Spa:	-
Tennis:	-
Security Gate:	-
Office Percent:	0
Mezz SQF:	0
Restaurant:	-
Hotel Pool:	-
Hotel Spa:	-
Conf. Room:	-

Effective Date From:	09/18/2015
Effective Date to:	Present
Sequence:	5
Location:	
AddressIn1:	
AddressIn2:	
Use:	0113 = LIGHT INDUSTRIAL
Struc Quality:	A
Struc Type:	S
Gro Lease:	1,152
Net Lease:	1,152
Const. Year:	1959
Eff Year:	1959
Nbr Units:	1
Adj. SF Units:	0
# Stories:	0
Story Height:	0
Elevator:	0
Land Scape:	-
Func. Obs:	0 = NONE
Adj LB Rate:	0
Lease Exp:	
Apt 1 Units:	0
Apt 1 Bdrm:	0
Apt 1 Bath:	0
Apt 2 Units:	0
Apt 2 Bdrm:	0
Apt 2 Bath:	0
Apt 3 Units:	0
Apt 3 Bdrm:	0
Apt 3 Bath:	0
Apt 4 Units:	0

Apt 4 Bdrm:	0
Apt 4 Bath:	0
Apt 5 Units:	0
Apt 5 Bdrm:	0
Apt 5 Bath:	0
Garage:	0
Car Port:	0
Open Spaces:	0
RV Spaces:	0
Laundry:	-
Apt Pool:	-
Apt Spa:	-
Tennis:	-
Security Gate:	-
Office Percent:	0
Mezz SQF:	0
Restaurant:	-
Hotel Pool:	-
Hotel Spa:	-
Conf. Room:	-

Effective Date From:	09/18/2015
Effective Date to:	Present
Sequence:	6
Location:	
AddressIn1:	
AddressIn2:	
Use:	0210 = GENERAL OFFICE
Struc Quality:	A
Struc Type:	C
Gro Lease:	5,107
Net Lease:	5,107
Const. Year:	1959
Eff Year:	1959
Nbr Units:	1
Adj. SF Units:	0
# Stories:	0
Story Height:	0
Elevator:	0
Land Scape:	-
Func. Obs:	0 = NONE
Adj LB Rate:	0
Lease Exp:	
Apt 1 Units:	0
Apt 1 Bdrm:	0
Apt 1 Bath:	0
Apt 2 Units:	0
Apt 2 Bdrm:	0
Apt 2 Bath:	0

Apt 3 Units:	0
Apt 3 Bdrm:	0
Apt 3 Bath:	0
Apt 4 Units:	0
Apt 4 Bdrm:	0
Apt 4 Bath:	0
Apt 5 Units:	0
Apt 5 Bdrm:	0
Apt 5 Bath:	0
Garage:	0
Car Port:	0
Open Spaces:	0
RV Spaces:	0
Laundry:	-
Apt Pool:	-
Apt Spa:	-
Tennis:	-
Security Gate:	-
Office Percent:	0
Mezz SQF:	0
Restaurant:	-
Hotel Pool:	-
Hotel Spa:	-
Conf. Room:	-

San Bernardino County Assessor-Recorder-Clerk Parcel Information Management System

APPENDIX D

Aerial Photographs

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

2018

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**2012** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**2009** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**2005** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**1994** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**1985** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1980

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1976

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1974

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1968

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1966

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1952

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1948

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1946

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1938

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

APPENDIX E

City Directories

Research Summary for City Directory Abstract

Site Location
Ontario CA
627 South Bon View Avenue
Ontario, CA

Conducted For
Stantec Consulting Services Inc.
2080 Wooddale Drive
Woodbury, MN

HIG Project #
2058115
Client Project #
227703324
Date Created
12/09/2021

HIG has produced a city directory abstract for one or more streets associated with the site location indicated above. The publications used to create the CD Abstract are listed below.

The information below is taken directly from the city directory books. The following are definitions as they are found in the Haines books:

XXXX = is no phone, no people or non-published phone.

600 XXXX = Correct address only. No other information.

X Streetname = intersecting cross street

Publication year, publisher and title

2011 Haines San Bernardino County

2006 Haines San Bernardino

2001 Haines San Bernardino

1996 Haines San Bernardino

1991 Haines San Bernardino

1986 Haines San Bernardino

1981 Haines Riverside - San Bernardino

1976 Haines Riverside - San Bernardino

1971 Haines Riverside - San Bernardino

Abstract Section 1- This section includes the city directory data sorted by address.

402 South Bon View Avenue	
2011	XXXX
2006	FRANCO AUTMOTIVE
2001	CROCKER Gina
1996	XXXX
1991	NICKS AUTO BODY
1986	MONNEY J J GENL CNT
1981	XXXX
1976	KENCO DISTRIBUTING
404 South Bon View Avenue	
2011	XXXX
2001	XXXX
1996	NICKS AUTO BODY
406 South Bon View Avenue	
2011	XXXX
2006	M & H BODY SHOP & PAINT
1971	W R&P TRANSPORT SV
408 South Bon View Avenue	
2011	ESP ADAS ORNAMENTAL IRON
2006	BASELINE TERMITES
2006	ESPADAS ORNAMENTAL IRON
2006	M B A AUTO BODY & PAINT
2001	JIM S AUTO DETAIL
1996	A&l AUTO BODY RPR
1991	CLEAN MACHINE
1986	CLEAN MACHINE
1981	SOUTH COAST FRAMERS
1976	TEMCO
409 South Bon View Avenue	
2011	CASTRO’S BRAKE & SUSPENSION
2006	TARAUMARA AUTO REPAIR
2001	JALISCO QUALITY PRODUCTS
2001	RAFAEL S APPLIANCE REPAIR
2001	STRANIERI Vincent
1996	RAFAELLS APPLNC RPR

1991	ALL REFRIG&APPLNC
1991	AUTO REPAIR OLIVERO
1986	THOMAS NEW&USD FURN
1981	STOKES MACHINE CO
1976	CARLEEN APPARELS
1971	ALDEN LEEDS INC

410 South Bon View Avenue

2011	XXXX
2006	SUPER MARIO S WELDING
2001	JESSE AUTO PAINT SH
1996	JESE AUTO PAINT SH
1991	SCHMIED Brian
1986	CA TOOL&DIE CO
1981	CALIF TOOL&DIE CO

412 South Bon View Avenue

2011	QUALCHEM
2006	PRISCO
2001	QUALCHEM
1996	XXXX
1991	DOOLIN Roy
1986	XXXX
1981	BIRCHEFF LOU Y

414 South Bon View Avenue

2011	RON’S UPHOLSTERY
2006	ER GRANTE & TILE
2001	XXXX
1996	ROOSES TRADING PST
1991	ALEX BINDERY
1986	ALEX BINDERY
1981	OGDEN MFG
1976	OGDEN MFG

416 South Bon View Avenue

2011	HUERTAS Francisco
2006	PRIMOS CYLINDER HEAD
2001	XXXX
1996	XXXX

1991	BUDGET WELDING
1986	XXXX
1981	XXXX
1976	MR WHEEL

418 South Bon View Avenue

2011	XXXX
2001	GRAFF W K CO
1996	GRAFF W CO RFRG SV
1996	GRAFFF W K CO
1996	GRAFF W K REFRIG SV
1991	I M PARTS CO
1991	W K GRAFF CO
1986	SOLAR SYSTEMS SOUTH
1981	SOLAR SYSTEMS SOUTH

419 South Bon View Avenue

2001	VALDEZ Lupe
1996	XXXX
1991	MONDRAGON Pedro
1986	GEORGELIN EDW J
1981	GEORGELIN EDW J
1976	GEORGELIN EDW J
1971	GEORGELIN EDW J

420 South Bon View Avenue

2011	XXXX
2001	XXXX
1996	GURROLAS PAINT SHP
1991	K BARR MFG
1981	XXXX

424 South Bon View Avenue

2011	MEDINA’S AUTO BODY SHOP
2006	MEDINA S AUTO BODY SHOP
2001	MEDINAS AUTO BODY SHOP
1996	MEDINAS ATO BODY SH
1991	ACRI TECH PLASTICS
1986	ACRI TECH PLASTICS
1981	ACRI TECH PLASTICS

1976	SEIS AMIGOS IMPORT
435 South Bon View Avenue	
2011	INNOVATIVE Food Source
2011	SHARKIES COLLECTIONS INC
2006	INNOVATV FOOD SOURCE
2006	THE MEAT WAREHOUSE
2001	XXXX
1996	XXXX
1991	A A A PLUMBING
1986	XXXX
1981	XXXX
509 South Bon View Avenue	
2006	XXXX
2001	AREAGA Elsa A
2001	SANCHEZ Javier
614 South Bon View Avenue	
2001	HOWELL David
1996	XXXX
1991	XXXX
1986	ALUM ALLOY CO
1981	ALUM ALLOY CO
1976	ALUM ALLOY CO
1971	ALUM ALLOY CO
620 South Bon View Avenue	
2011	HORN Ron
2011	HORN1ST Ronald
2006	HORN CORE SHOP
2001	HORN CORE SHOP
2001	HORN Jeanne
1996	HORN CORE SHOP
1991	HORN CORE SHOP
1986	HORN CORE SHOP
1981	HORN CORE SHOP
1976	HORN CORE SHOP
1971	HORN CORE SHOP
621 South Bon View Avenue	

2011	ABC WINDOWS CO
2011	AVR EXPRESS
2006	ABC WINDOWS CO
2001	ABC WINDOWS CO
2001	HEGWER Raymond
2001	PRODUCTION AUGERS INC
1996	ABC PRODUCTS CO
1996	PRODUCTION AUGERS
1991	A B C PRODUCTS CO
1986	BESTILE MFG CO
1981	BESTILE MFG CO
1976	BESTILE MFG CO
1971	BESTILE MFG CO
627 South Bon View Avenue	
2011	FLEET RV & BOAT STORAGE
628 South Bon View Avenue	
2011	MIKE'S SPECIALTIES
2006	MIKE S SPEICILTIES
2001	MIKESSPECIALTIES
2001	THOMPSON Ronald
1996	MIKES SPECIALTIES
1991	MNIKES SPECIATIES
1986	MIKES SPECIATIES
1981	NIKES SPECIALTIES
1976	MARIONS SPECIALTIES
1971	MARIONS SPECIALTIES
630 South Bon View Avenue	
2011	XXXX
2001	ABSOLUTE CUSTOM WOODWORKING
2001	THOMPSON Ronald
1996	RELIABLE RL EST SGN
1991	QUALITY IRON WORKS
1986	QUALITY ORNMNTL WRK
1981	CUSTOM FENCE&CONCR
1981	QUALITY ORNMNTL IRN
1976	GARCO TRAILER PARTS
1971	GARCO TRAILER PARTS

639 South Bon View Avenue	
2001	XXXX
714 South Bon View Avenue	
2001	XXXX
1996	XXXX
1991	XXXX
1986	XXXX
1981	LINO JUAN
1976	CASTRO DAVID
1971	CAMPBELL DONALD R
716 South Bon View Avenue	
2011	DRACO HYGIENIC PRODUCTS
2006	GLENCO MFG
2001	GLENCO MFG
2001	HOROWITZ Jerry
1996	GLENCO MFG
1991	XXXX
1986	XXXX
1981	SPOT THE
1976	SPOT THE
1971	MCGOWEN MACK
1971	SPOT THE
724 South Bon View Avenue	
2011	ALGER MANUFACTURING
2011	ALGER MFG CO INC PHONE
2001	ALGER MFG CO
2001	ATHANOR GROUP INC
1996	ALGER MFG CO
1991	XXXX
1986	XXXX
1981	XXXX
1976	ALGER MFG CC
728 South Bon View Avenue	
2001	XXXX
1996	XXXX
1991	ALGER MFG CO
1986	ALGER MFG CO

1981	ALGER MFG CO
1971	ALGER MFG CO

Abstract Section 2: This section includes the city directory data sorted by the year the city directory was published.

2011	
	X E STATE ST
402	XXXX
404	XXXX
406	XXXX
408	ESP ADAS ORNAMENTAL IRON
409	CASTRO'S BRAKE & SUSPENSION
410	XXXX
412	QUALCHEM
414	RON'S UPHOLSTERY
416	HUERTAS Francisco
418	XXXX
420	XXXX
424	MEDINA'S AUTO BODY SHOP
	X E WASHINGTON ST
435	INNOVATIVE Food Source
435	SHARKIES COLLECTIONS INC
	X E ONTARIO BLVD
	X E SUNKIST ST
620	HORN Ron
620	HORN1ST Ronald
621	ABC WINDOWS CO
621	AVR EXPRESS
627	FLEET RV & BOAT STORAGE
628	MIKE'S SPECIALTIES
630	XXXX
716	DRACO HYGIENIC PRODUCTS
724	ALGER MANUFACTURING
724	ALGER MFG CO INC PHONE
2006	
	X E STATE ST
402	FRANCO AUTMOTIVE

406	M & H BODY SHOP & PAINT
408	BASELINE TERMITES
408	ESPADAS ORNAMENTAL IRON
408	M B A AUTO BODY & PAINT
409	TARAUMARA AUTO REPAIR
410	SUPER MARIO S WELDING
412	PRISCO
414	ER GRANTE & TILE
416	PRIMOS CYLINDER HEAD
424	MEDINA S AUTO BODY SHOP
	X E WASHINGTON ST
435	INNOVATV FOOD SOURCE
435	THE MEAT WAREHOUSE
	X E ONTARIO BLVD
509	XXXX
	X E SUNKIST ST
620	HORN CORE SHOP
621	ABC WINDOWS CO
628	MIKE S SPEICILTIES
716	GLENCO MFG
	X E CALIFORNIA ST
2001	
	X STATE E
402	CROCKER Gina
404	XXXX
408	JIM S AUTO DETAIL
409	JALISCO QUALITY PRODUCTS
409	RAFAEL S APPLIANCE REPAIR
409	STRANIERI Vincent
410	JESSE AUTO PAINT SH
412	QUALCHEM
414	XXXX
416	XXXX
418	GRAFF W K CO
419	VALDEZ Lupe
420	XXXX
424	MEDINAS AUTO BODY SHOP

	X WASHINGTON E
435	XXXX
	X ONTARIO BLVD E
509	AREAGA Elsa A
509	SANCHEZ Javier
614	HOWELL David
620	HORN CORE SHOP
620	HORN Jeanne
621	ABC WINDOWS CO
621	HEGWER Raymond
621	PRODUCTION AUGERS INC
628	MIKESSPECIALTIES
628	THOMPSON Ronald
630	ABSOLUTE CUSTOM WOODWORKING
630	THOMPSON Ronald
639	XXXX
714	XXXX
716	GLENCO MFG
716	HOROWITZ Jerry
724	ALGER MFG CO
724	ATHANOR GROUP INC
728	XXXX
1996	
402	XXXX
404	NICKS AUTO BODY
408	A&l AUTO BODY RPR
409	RAFAELLS APPLNC RPR
410	JESE AUTO PAINT SH
412	XXXX
414	ROOSES TRADING PST
416	XXXX
418	GRAFF W CO RFRG SV
418	GRAFFF W K CO
418	GRAFF W K REFRIG SV
419	XXXX
420	GURROLAS PAINT SHP
424	MEDINAS ATO BODY SH

435	XXXX
614	XXXX
620	HORN CORE SHOP
621	ABC PRODUCTS CO
621	PRODUCTION AUGERS
628	MIKES SPECIALTIES
630	RELIABLE RL EST SGN
714	XXXX
716	GLENCO MFG
724	ALGER MFG CO
728	XXXX
1991	
402	NICKS AUTO BODY
408	CLEAN MACHINE
409	ALL REFRIG&APPLNC
409	AUTO REPAIR OLIVERO
410	SCHMIED Brian
412	DOOLIN Roy
414	ALEX BINDERY
416	BUDGET WELDING
418	I M PARTS CO
418	W K GRAFF CO
419	MONDRAGON Pedro
420	K BARR MFG
424	ACRI TECH PLASTICS
435	A A A PLUMBING
614	XXXX
620	HORN CORE SHOP
621	A B C PRODUCTS CO
628	MNIKES SPECIATIES
630	QUALITY IRON WORKS
714	XXXX
716	XXXX
724	XXXX
728	ALGER MFG CO
1986	
402	MONNEY J J GENL CNT

408	CLEAN MACHINE
409	THOMAS NEW&USD FURN
410	CA TOOL&DIE CO
412	XXXX
414	ALEX BINDERY
416	XXXX
418	SOLAR SYSTEMS SOUTH
419	GEORGELIN EDW J
424	ACRI TECH PLASTICS
435	XXXX
614	ALUM ALLOY CO
620	HORN CORE SHOP
621	BESTILE MFG CO
628	MIKES SPECIATIES
630	QUALITY ORNMNTL WRK
714	XXXX
716	XXXX
724	XXXX
728	ALGER MFG CO
1981	
402	XXXX
408	SOUTH COAST FRAMERS
409	STOKES MACHINE CO
410	CALIF TOOL&DIE CO
412	BIRCHEFF LOU Y
414	OGDEN MFG
416	XXXX
418	SOLAR SYSTEMS SOUTH
419	GEORGELIN EDW J
420	XXXX
424	ACRI TECH PLASTICS
435	XXXX
614	ALUM ALLOY CO
620	HORN CORE SHOP
621	BESTILE MFG CO
628	NIKES SPECIALTIES
630	CUSTOM FENCE&CONCR

630	QUALITY ORNMNTL IRN
714	LINO JUAN
716	SPOT THE
724	XXXX
728	ALGER MFG CO
1976	
402	KENCO DISTRIBUTING
408	TEMCO
409	CARLEEN APPARELS
414	OGDEN MFG
416	MR WHEEL
419	GEORGELIN EDW J
424	SEIS AMIGOS IMPORT
614	ALUM ALLOY CO
620	HORN CORE SHOP
621	BESTILE MFG CO
628	MARIONS SPECIALTIES
630	GARCO TRAILER PARTS
714	CASTRO DAVID
716	SPOT THE
724	ALGER MFG CC
1971	
406	W R&P TRANSPORT SV
409	ALDEN LEEDS INC
419	GEORGELIN EDW J
614	ALUM ALLOY CO
620	HORN CORE SHOP
621	BESTILE MFG CO
628	MARIONS SPECIALTIES
630	GARCO TRAILER PARTS
714	CAMPBELL DONALD R
716	MCGOWEN MACK
716	SPOT THE
728	ALGER MFG CO

E BONNIE BRAE CT (CONT'D)

541 *Grant DK 984-9596
542 *Wensel Dale 2 986-0765
547 *Orr EL 2 986-5041
548 *Weber CS 2 986-8005
553 *Onstott JA 1 986-4832
554 *Anderson RE 986-4393
558 *Steffler Wayne 986-4959
559 *Johnson WR 4 986-1268
563 *Cagle JE Mrs 2 986-8678
564 *Higgs RE 1 986-9816
603 Olinger JF
604 *Smith JC 986-6509
610 *Franklin Harry 2
615 *Bradfute EM Mrs 984-8518
616 Bishop JC 6 986-9842
621 *Matser Jan
622 *Albin JC 2 984-4930
623 Vacant
627 *Pittenger JL 1 984-2313
628 *Ellison Kay 986-2485
633 Dorst Elva 986-5789
634 *Johnson RC 2 986-8514
639 Tidwell JA Mrs 986-8693
640 *Underwood GM 1 986-4288
645 *Dee JO 2 984-6534
646 *Teague EH 3
651 *Bassett Murry 986-8238
652 *Welch JF Jr 2 986-7703
657 *Blades CR 2 986-5130
658 *Bender RW 2
663 *Garrison GE 4 984-6031
664 Phares DE 1 984-9600
668 Am Driving Club ... 986-4836
669 American Driving Club 986-4836
669 *Halgren DA 2 986-4836
670 *Houghton Eliz 8 986-5503
702 *Boyle WH 986-7453
703 *Cox Marie 1 984-5862
706 *Holtz RF 3 986-4133
707 *Sagle JB 1 986-4213
712 *Edwards GL 986-9533
713 *Bennett EE 2 986-9813
718 *Flury RW 2 986-4340
719 Barnett WH
724 *Hurt AW 1 986-4428
725 *Henry Kathryn 986-7938
728 *Cook JR 986-4132
729 *Laponis JJ 3 986-9974
734 *Hooker JG 2 986-4224
735 *Click JM Mrs 986-5135
740 *Schroeder RH 1 986-2593
741 Bybee RC pntng contr 986-4319
741 Bybee RC 986-4319
744 *Jackson EK 1 984-7629
745 *Ewing JC 986-4065
750 *Leeper JC 1 984-7371
751 *Rundle EE 986-4259
756 Romero HR 986-4212
757 *McCrae JS 986-5911
762 *Waller DE 3 986-4345
763 *Miller Bud 986-4053
1335 Grundy JT 2 984-5162
1336 *Davis AL 984-0424
1343 Mosca FA 5 986-3762
1344 Heathcoat WP 1 986-0581
1349 Whitworth RT 2
1350 *Whittemore WE 3 986-0022
1353 Fresta MV Mrs 5 984-1063
1354 Pitts JB 5 986-0278
1359 Friend WG 2 984-7770
1367 Vacant
1374 Vacant
1375 *Monroe LR 2 986-7685
1382 *McDonald JP 984-8933
1383 *Outrater RA 974-3723
1388 *Moreno Ralph 2 986-7625
1401 Vacant
1407 *Autio CD 4 986-2806
1408 Mororey Gail
1409 *Ayers JR 986-1734
1476 *Decker HG 1 986-0655
1477 *Kernes BL 986-5936
1482 *Cadd NL 2
1483 *Morgan WG 984-8848
1505 *Martinez RJ 2
1506 *Pritchett DD 1 986-2109
1511 *Beaver LJ
1512 *Davidian Richd
1618 *Morales AL 986-8619
1624 *Armstrong TS 3 984-5016
1630 *Hyatt BD 1 986-8823
1636 *Proulx AJ 5 986-8617
1642 *Robertson WE 3 986-7892
1648 O'Brien PJ 4
1649 *Bauman JL 1 984-9445
1655 Vacant
1656 Perryman DW 1 986-6701
1661 Vacant
1662 *Presky BJ 3
1667 Vacant
1668 *Salazar Joe 4
1673 Vacant
1674 Armijo LA 3 986-7777
1679 *Lewis FD 2 986-9461
1680 *Rollofson Martha
1685 *Clark Ronald 4 984-0172
1686 *Williams ML Mrs 986-0092
1691 *Stevens Ronald 2
1692 *Reinke HG 3 986-5918
1697 Dunlap DL 2 984-8179
1698 *Katterhagen WA 2 986-8282
1704 Lucero David
1705 Vacant
1709 *Herrera JG 5 984-0947
1712 Carter's Tree Serv ... 984-6850
1712 *Carter Dink 3 984-6850
1715 Vacant
1718 *Baker RL 2 984-7785
1721 Hare ME 5
1724 *Qualls AR 986-9865
1727 McKinny JO 986-3905
1730 *Bates MW 4 986-8546
1736 *Myers GA 3 986-0310

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BONNIE BRAE CT, W (ONT) – FROM 1375 N EUCLID AV, WEST (91762)

117 Colley CB 4
118 Monsive Madelyn 986-6922
120 *Moremen MH 984-8641
123 *Huber EJ 984-8176
126 Ulmer Fred 986-8847
131 Dorss Nicholas 984-3854
132 *Howard LaWanna Mrs 4 984-9271
201 *Wymore VE 984-7383
207 *Neaves JR 984-7483
208 *Meahl LJ 984-1157
213 *Shackelford AE 3 984-5984
214 *Anderson AL 984-3050
219 *Vogel MJ 4 986-8144
220 *James DE 986-2394
225 *Browning RE 984-3469
226 *Grimm LL 3 986-9624
231 *Bissonnette RL 984-3436
232 *Dresp Dean 984-1150

N Palm Av Ints

317 *Walker Susie 986-5240
318 *Durso RF 3 984-0357
322 Wirtmer RO Mrs 984-1197
325 *Goldsmith CA 1 986-8730
328 *Weinstock HM 984-4020
333 *Schrock NF 984-4561
334 *Hecht AL 3 986-0592
338 *Klenske Ervin 986-0653
342 *Roden EJ 984-9846
346 Anderson Durward 984-7055
347 Vacant
350 *Albrecht GJ 2 986-7595
353 *DeLinck WB 986-1831
356 *Kirkey Danl 3 986-5949
357 *Richmond DA 986-3265
364 *Parker AJ 2 984-4442

N Sultana Av Ints
N Vine Av Ints
N Pleasant Av Ints

603 *Day CH 984-9637
604 *Walker CF 1 986-7833
609 *Menard JR 4 984-0656
610 *Moore AL 2 986-7705
615 *June RH 984-8456
616 *Eller RW 2 984-8260
621 *Northrop JH 984-7062
622 *Maiorano Salvatore 984-5183
625 *Jensen Woody 984-8358
626 *Christman RL 1 986-0612
631 Olson Furman 986-6517
632 *Cook JC 4 986-1667
637 *Paul Raymond 1 984-6588
638 *Gunn WF 984-4161
643 Bridal Catering 984-5764
643 *Vance RD 3 984-5764
644 *Chapman HW 3 984-4760
649 *Bruce HC 984-7260
650 *Gaal Leslie 986-8629
655 *Harwood CM 2 986-3718
656 *McVicker JT 984-7957
661 *Hardy RH 8 984-9139
662 *Minasso JL 984-9841
667 *Zmolek HJ 2 984-8963
668 *Aungst CF 1 984-6555

N Campus Av Ints
N San Antonio Av Ints
N Berlyn Av Ints
N Granite Av Ints

802 Price CL 2 984-2594
806 *Armbruster Kenneth 2 986-2297
809 *Twydell RJ 2 986-8328
810 *Sparks SL 2 986-8978
814 *Mercer JR 4 984-9727
816 *Petsuch LL 2 986-7906
817 *Southwick DE 2 986-0284
818 *Heald EH 4 986-5987
822 *Pritchett RD 986-4105
823 *Hardesty WE 4 984-9301
826 *Preston JL 3 986-4015
827 *Bode HR 2 986-2205
830 *Cotterman SK 3 984-8428
833 *Heggem CD 3 984-9005
837 *Howland RW 3 986-9374
840 *Vaught EE 4 986-9508
843 Maiorano Anthony 984-0548
844 *Smith RE 3 986-2681
846 *Beaman GE 1 984-6379
851 *Hackmann HT 4 984-7762
852 Davis Glenn
856 *Jordan FA 1 984-6498
857 *Ruppert AC 3 984-1917
862 Verne CG Contracting Co ... 986-0361
862 *Verne CG 2 986-0361
863 *Beck WF 2
868 *Kincaid WE 2 986-4950

N Amador Av Ints

903 *Petersen OL 984-0207
906 *Blasco DE 4 986-0091
907 *Hammel ET 5 986-9978
911 *Klemens RJ 2 984-9706

N Boulder Av Ints

914 *Flamma Salvatore 3 986-7497
925 *Ferradino VA 5 984-1838
928 *Bracken GC 4 986-4246
933 *Garner DE 3 984-1413
934 *Decker Lewis 1 986-0829
939 Kimco 984-1916
939 *Kimbel WL 3 984-1916
940 *Tundis JB 3 984-5684
945 *Scandura John 2
946 *MacKnight GS 2 986-9349
951 *Toole CE 7 986-9787
954 *Gillette LR 1 986-0174
957 *Freehauf EG 2 984-8033
960 *Wykoff HO 3 984-2382
962 *Ingraham LT Mrs 1 986-2653
963 *Savage HL 2 986-7216
966 *Burnett PD 4 986-4930
969 Cunningham RN 2 986-6295

E Maitland St Ints

1004 *Gunther RL 2
1005 *Jertberg RM 3 984-9390
1010 *Johnson TL 986-6908
1011 *Beyenhof Anthony 3 986-0506
1016 *Binckley BA 984-1021
1019 *Boettcher PC 2 986-0428
1024 *Teagle FJ 4 986-8368
1025 *Olcovich TA 1 986-4007
1031 *Lloyd HS 2 986-8072
1032 *Wilberding JH 3 986-3280

N Palmetto Av Ints

1035 *King LD 4 984-5958
1042 *Ballard Harry 984-5496
1045 *Bromm Robt 1 986-8235
1050 *Ottoson HL 2 986-8582
1051 *DiCarlo Nat 986-0914
1057 *Barksdale JM 3 984-5519
1058 *Asquini AL 3 986-0901
1058 *Penseyres EF 2 986-9932
1064 *Naylor HC 1 984-8470
1065 *Henley JE 984-1948
1507 *Williams SA 3 986-5979
1508 Vacant
1511 *Land CN 2 986-6885

(*Homeowner–Digit, Children) –11

1512 *Reed JH 3 986-9386
1515 *Schneider Reiny 3 986-8579
1523 Nikodem LF 2 984-6771
1524 *Rickard LA 3 986-3227

N Jasmine Av Ints

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BON VIEW AV, S (ONT) – FROM 900 E HOLT BL, SOUTH (91761)

114 Collins' Garage 986-3118
118 Bertolet Lawrence
120 Vacant
133 Vacant

E Emperia St Ints

201 Mackey JM
202 Byars WH Roofing Co 986-0509
210 Lewis Ross
227 Vacant

E Main St Ints

316 Chucker's Mill Inc 986-1177

E State St Ints

406 Wheatley Donald 3
407 Vacant
409 Carleen's Apparels 984-7802
419 *Georgelin EJ 984-6933
435 Warehouse

E Washington St Ints
E Ontario Bl Ints (91762

509 Hernandez Alphonso

E Sunkist St Ints

614 Alum-Alloy Co 986-0410
620 Vacant
621 Bestile Manufacturing Corp ... 984-2751
628 Marion's Specialties 986-6568
630 Reliable Saw Works 984-0215
714 Vacant
716 Hod Carriers & Laborers Local . 986-6126
724 Alger Manufacturing Corp 984-2086

E California Av Ints (91761)

814 Zavella Antonio II
831 *Armendariz IS 984-3482
836 Gibson John 984-2887
837 Armendarez Mary 5 984-3482

E Mission Bl Ints

902 Sanchez Maria
907 *Navarro Jesse Mrs 984-2602
908 *Razo Josephine 986-7481
911 Vacant
916 Mijares Rudy
919 *Conley Monroe 4 986-1842
920 Garcia Henrietta 3 986-5076
923 *Joekema Louie
923 *Jimenez RV 3 986-6276
924 *Ponce Danl 986-4303
927 Ayala Edwardo 5 984-3216
931 Bon View Baptist Spanish Mission
931 Capilla Dautista Church
932 *Terrones AE 6 986-4004
1007 *Marquez BB 5 984-4889
1013 Arnett OC 3
1014 *Johnston JV 1 986-2298
1017 *Acevedo Frances 2
1023 *Mijares RA 5 986-3527
1027 Nunoz Tilla 3
1033 *Luna JD 3
1103 *Rivera JS 1
1109 Meeks WillieM Mrs 2 984-8984
1109 Bonds Tom
1111 Deloney Isadora 984-0089
1123 *Elias AA 4 986-9717
1127 *Nunez AE 3 984-0683
1133 *Fowler Claude

E Belmont St Ints

1203 Christal Earnest 983-1220
1210 Reyes Antonio 5 984-1840
1214 Gibson FH 4 986-2570
1218 Campbell DH 1
1220 Holloway BH
1224 Mills SN 2 986-7648
1228 Bishop MJ 3

E Woodlawn St Ints (91762)

1304 *DelReal Guadalupe
1314 *Payne RM 986-6448
1341 *Villalobas Frank 986-1057
1380 Ful-Cal Metal Products Inc ... 984-3816
1406 Villalobos OP 2 986-3639

Research Summary for City Directory Abstract

Site Location
Ontario CA
627 South Bon View Avenue
Ontario, CA

Conducted For
Stantec Consulting Services Inc.
2080 Wooddale Drive
Woodbury, MN

HIG Project #
2058115
Client Project #
227703324
Date Created
12/09/2021

HIG has produced a city directory abstract for one or more streets associated with the site location indicated above. The publications used to create the CD Abstract are listed below.

The information below is taken directly from the city directory books. The following are definitions as they are found in the Haines books:

XXXX = is no phone, no people or non-published phone.

600 XXXX = Correct address only. No other information.

X Streetname = intersecting cross street

Publication year, publisher and title

2011 Haines San Bernardino County

2006 Haines San Bernardino

2001 Haines San Bernardino

1996 Haines San Bernardino

1991 Haines San Bernardino

1986 Haines San Bernardino

1981 Haines Riverside - San Bernardino

1976 Haines Riverside - San Bernardino

1971 Haines Riverside - San Bernardino

Abstract Section 1- This section includes the city directory data sorted by address.

702 Ontario Boulevard	
2001	XXXX
1996	B R PRINTING
704 Ontario Boulevard	
2006	CARRENO Gonzaga
2006	RAMOS Luciana
2001	ROMERO Virgnia
1996	PEREZ Mary
708 Ontario Boulevard	
2006	GARCIA Edgar
2001	GONZALEZ Cruz
1996	XXXX
1991	TEJEDA AURORE
1986	XXXX
710 Ontario Boulevard	
2001	XXXX
1996	XXXX
738 Ontario Boulevard	
2011	FIGUEROA Jose
2001	FIGUEROA Jose
1991	RELIABLE RE SIGNS
1981	CO SB MNTL HLTH
1981	METHADONE MNTC CLNC
1981	OUTPATNT DETOXFCTN
1981	WEST END METHADONE
1976	WEST END DRUG CNCL
1971	WHITE JAMES OIL CO
758 Ontario Boulevard	
2011	FAIRCHILD PLMBNG&MCHNCL INC
2006	FAIRCHILD Meredith
2001	FAIRCHILD Meredith
1981	GUGGER PALL
1976	ANDERSON J
1971	CARRION FELIPA
762 Ontario Boulevard	

2011	NAVARRO Eloy
2006	NAVARRO Anna
2001	NAVARRO Elroy A
1996	NAVARRO Elroy A
1991	NAVARRO Elroy A
1986	NAVARRO ELROY A
1981	NAVARRO ELROY A
1976	NAVARRO ELROY A
764 Ontario Boulevard	
2011	NAVARRO Irineo
2006	NAVARRO Inneo
2001	NAVARRO Irineo
1996	XXXX
1991	XXXX
1986	XXXX
1981	DOMINGUEZ RUBEN
1976	NAVARRO MANUEL
802 Ontario Boulevard	
2011	PAC AUTO WRECKING
2006	PAC AUTO WRECKING
2001	LUONG Hank
1996	EASTRN AUTO
1991	XXXX
1986	AL&SONS AUTO WRCKRS
1986	G&R AUTO WRECKERS
1986	GATICA ALONZO L
1981	AL&SONS AUTO WRCKRS
1981	G&R AUTO WRECKERS
1981	GATICA ALONZO L
1976	AL&SONS AUTO WRCKRS
1976	GATICA ALONZO L
1971	AL&SONS AUTO WRCKRS
1971	GATICA ALONZO L
810 Ontario Boulevard	
2001	LUONG Hank
828 Ontario Boulevard	

2001	XXXX
1996	XXXX
1991	XXXX
1986	XXXX
1981	XXXX
1976	POLLOCK STANLEY I
842 Ontario Boulevard	
2011	GARCIA Kathy
2006	GARCIA Carlos
2001	GARCIA Carlos
854 Ontario Boulevard	
2011	MCFADDEN Hilda
2006	MCFADDEN Hilda
2001	MCFADDEN Hilda
1996	MCFADDEN Hilda
1991	MCFADDEN Everett L
1986	MCFADDEN EVERETT L
1981	MCFADDEN EVERETT L
1976	MCFADDEN EVERETT L
1971	MCFADDEN EVERET L
890 Ontario Boulevard	
2011	CINCO IRON WORKS INC
2006	CINCO IRON WORKS INC
902 Ontario Boulevard	
2006	XXXX
2001	XXXX
1996	XXXX
1991	ARCADIA Jose
1060 Ontario Boulevard	
2011	KLC TRANSPORTATION INC
1080 Ontario Boulevard	
2011	KING EQUIPMENT LLC
1128 Ontario Boulevard	
2011	PATTISON Albert
1981	WILKINSON LEONARD V
1976	WILKINSON LEONARD V

1971	WILKINSON LEONARD V
1240 Ontario Boulevard	
2001	PETERSON Helen
1250 Ontario Boulevard	
2011	BLAZE CONE COMPANY INC
2006	BLAZE CONE COMPANY INC
2001	A&B REFLECTORIZING
1996	A&B REFLECTORIZING
1991	A&B REFLECTORIZING
1986	A&B REFLECTORIZING
1981	A&B REFLECTORIZING
1976	A&B REFLECTORIZING
1971	CALIFORNIA FIBRE CO
1252 Ontario Boulevard	
2001	XXXX
1996	XXXX
1991	XXXX
1986	XXXX
1981	XXXX
1976	XXXX
1971	ONTARIO PBLC SCALES

Abstract Section 2: This section includes the city directory data sorted by the year the city directory was published.

2011	
738	FIGUEROA Jose
758	FAIRCHILD PLMBNG&MCHNCL INC
762	NAVARRO Eloy
764	NAVARRO Irineo
802	PAC AUTO WRECKING
842	GARCIA Kathy
854	MCFADDEN Hilda
890	CINCO IRON WORKS INC
1060	KLC TRANSPORTATION INC
1080	KING EQUIPMENT LLC
1128	PATTISON Albert
1250	BLAZE CONE COMPANY INC

2006	
704	CARRENO Gonzaga
704	RAMOS Luciana
708	GARCIA Edgar
758	FAIRCHILD Meredith
762	NAVARRO Anna
764	NAVARRO Inneo
802	PAC AUTO WRECKING
842	GARCIA Carlos
854	MCFADDEN Hilda
890	CINCO IRON WORKS INC
902	XXXX
1250	BLAZE CONE COMPANY INC
2001	
702	XXXX
704	ROMERO Virgnia
708	GONZALEZ Cruz
710	XXXX
738	FIGUEROA Jose
758	FAIRCHILD Meredith
762	NAVARRO Elroy A
764	NAVARRO Irineo
802	LUONG Hank
810	LUONG Hank
828	XXXX
842	GARCIA Carlos
854	MCFADDEN Hilda
902	XXXX
1240	PETERSON Helen
1250	A&B REFLECTORIZING
1252	XXXX
1996	
702	B R PRINTING
704	PEREZ Mary
708	XXXX
710	XXXX
762	NAVARRO Elroy A

764	XXXX
802	EASTRN AUTO
828	XXXX
854	MCFADDEN Hilda
902	XXXX
1250	A&B REFLECTORIZING
1252	XXXX
1991	
708	TEJEDA AURORE
738	RELIABLE RE SIGNS
762	NAVARRO Elroy A
764	XXXX
802	XXXX
828	XXXX
854	MCFADDEN Everett L
902	ARCADIA Jose
1250	A&B REFLECTORIZING
1252	XXXX
1986	
708	XXXX
762	NAVARRO ELROY A
764	XXXX
802	AL&SONS AUTO WRCKRS
802	G&R AUTO WRECKERS
802	GATICA ALONZO L
828	XXXX
854	MCFADDEN EVERETT L
1250	A&B REFLECTORIZING
1252	XXXX
1981	
738	CO SB MNTL HLTH
738	METHADONE MNTC CLNC
738	OUTPATNT DETOXFCTN
738	WEST END METHADONE
758	GUGGER PALL
762	NAVARRO ELROY A
764	DOMINGUEZ RUBEN

802	AL&SONS AUTO WRCKRS
802	G&R AUTO WRECKERS
802	GATICA ALONZO L
828	XXXX
854	MCFADDEN EVERETT L
1128	WILKINSON LEONARD V
1250	A&B REFLECTORIZING
1252	XXXX
1976	
738	WEST END DRUG CNCL
758	ANDERSON J
762	NAVARRO ELROY A
764	NAVARRO MANUEL
802	AL&SONS AUTO WRCKRS
802	GATICA ALONZO L
828	POLLOCK STANLEY I
854	MCFADDEN EVERETT L
1128	WILKINSON LEONARD V
1250	A&B REFLECTORIZING
1252	XXXX
1971	
738	WHITE JAMES OIL CO
758	CARRION FELIPA
802	AL&SONS AUTO WRCKRS
802	GATICA ALONZO L
854	MCFADDEN EVERET L
1128	WILKINSON LEONARD V
1250	CALIFORNIA FIBRE CO
1252	ONTARIO PBLC SCALES

E OLIVE (CONT'D)
604 *Nazionale MM Mrs 1 982-4250
607 *Hornback Chester 982-3707
612 *Watson OD 1 982-3768
617 *Vagnozzi Alfonso 3 982-9703
620 *Martinez Angel Jr 3 982-7967
623 Goodnow WM 982-5034
623 *Vasbinder DL
626 *Shank Sarah 982-3010
633 *Blackburn GG 982-7151
634 *Hilde AJ 982-5573
642 *Somers AM 982-4510
643 *Divens DR 2 982-3711
650 *Naylor CE 982-2339
651 *Keil NA 982-7161
656 *Kellogg RE 982-2016
659 Wesley Geo
666 *Taylor Oval 1 982-5256
671 *Vagnozzi Jos 4 982-6823
674 *Syverson CS 982-0738
690 *Larsen JS 2 982-2049
S Campus Av Ints
732 Community Market 982-1417
732 *Schmuck HJ 982-1417
750 *Alvarez Jess 982-2321
751 Myers RE 3
753 Gardia RO 982-5461
754 *Warburton RV 3 986-3757
765 *Dixon AT 1 982-3738
766 *Goforth HA 1 982-1128
777 *Herrera Ignacio 982-3786
780 *Fulton VH 1 982-4258
796 *Taylor EF Mrs 982-4959
797 *Hostetler GM 982-2682
815 *Oakey RW 982-5343
816 Vacant
824 *Thornton LE 3
835 *Priest David 982-0374
840 Cope Eug 2 982-7475
851 *Poole Fred Jr 2 982-4256
865 *Graham JA 982-5656
870 *Halsey GJ Mrs 982-9725
879 *Taylor EL Mrs 982-5882
884 *Taylor ME 7 982-6801
N Berlyn Av Ints
910 *Moser TL 1 982-1024
936 Vacant
957 *Ridenour JA 1
960 *Quackenbush PD 982-9221
977 *Padilla AR 3 982-0413
978 *Jakus Mary 982-0225
1000 *Nixon LG 2 985-1243
1001 Boswell JW
1008 *Munoz GR 2 982-8301
1011 *Hile GA 1 982-9515
1024 *Shore PC 1 982-2182
1025 *Mallard Glennys 5 982-7232
1038 *Wadleigh ES 982-3023
1043 *Stidham GR 3 982-8202
1060 Fisher JS 982-6994
1061 *Scarpelli RR 4 982-7386
1076 Gilmore LE
1081 *Conard CE 1 982-7998

O'MALLEY, N (UPL) – FROM APPROX 800 W 17TH, NORTH (91786)
1704 *Davis MV 985-1470
1710 Vacant
1714 *Inville KN 4 982-5148
1722 Vacant
1727 *Gustis GA 5 982-1070
1728 Vacant
1735 Vacant
1736 *Chritton VV 6
1741 Vacant
1742 Vacant
1747 *Hyatt RK 4
1748 Vacant
1754 Vacant
1753 *Strope RB 4 982-7689
1759 *Guth PJ 3 982-1121
1760 *Burtman LP 1 982-2887
1764 *McElwain RL 982-7656
1765 Vacant
1771 Vacant
1772 *Olson KO 9 982-6952
1778 Vacant
1779 Vacant
1784 *Bell LW Jr 982-8562
1785 *Lovelace Wm 6 982-6107
1790 *Voelker CA 982-5797
1791 Vacant
1796 *Spalding RA 3 982-9885
1797 Luther JA 982-7314

O'NEIL, W (UPL) – FROM APPROX 1704 N O'MALLEY, WEST (91786)
1074 *Ashcraft DR 982-9742
1086 *Faletto HF 2 982-7720
1098 Vacant
1110 *Bickett DV 3 982-8270
1120 *Hoekwater HJ 3 982-0807
1134 Vacant
1146 *Buck FL 2
1158 *Becker RN 1 985-1009
1170 *Bennett Roger
1176 *Blaine WH 1

ONTARIO BL, E (ONT) – FROM 400 S CAMPUS AV, SOUTHEAST (91761)
704 *Perez JV 984-6810
708 Freeman JL
710 Bates Bob 984-5666
S Caldwell Av Ints
738 White James Oil Co 984-1261
750 *Chastain CM 986-5019
758 Rogers RH 1 986-5386
762 Rider Bl Mrs 1 986-3274
764 *Ramey MM Mrs 986-4967
S Taylor Av Ints
802 Al & Sons Auto Wreckers 984-8627
805 Vacant
810 Vacant
842 *Garcia CB 9
S Hope Av Ints
854 *McFadden EL 2 986-5207
S Bon View Av Ints
902 Bonview Metals & Salvage 986-1996
(91762)
1128 Wilkinson LV 984-9424
E California St Ints
1250 California Fiber Co 984-9511

OPAL CT, W (UPL) – FROM APPROX 50 S UKIAH WY, WEST (91786)
611 Young GH 982-7408
612 Hubbert DP 1 982-7208
627 Vacant
628 *Craig KK 4 982-0893
645 *McAllister DW 982-2181
660 Vacant
661 Velasquez TT 982-0880
664 *Fallon JP 2 982-0200

ORANGE AV, N (ONT) – FROM 1730 E GRANADA CT, NORTH (91762)
914 *Arthur MC 3 984-4736
918 Vacant
919 *Head RD 1
924 Vacant
927 Vacant
930 *Urich GE 2 984-7631
933 Vacant
934 Vacant
936 *Hope WV 5
939 *Palumbo Salvator 4
942 *Thorpe KD 4
945 Vacant
948 Vacant
951 *Watts CE 6
954 Vacant
1003 *Cola JR 1
1005 *Monasmith AB 4
1009 *Wilson RA 984-8412
1012 *Dennison Eug 986-1074
1015 *Williams HS 4 986-8256
1018 Vacant
1021 Vacant
1022 Vacant

ORANGE DR, E (UPL) – FROM 500 W 23RD ST, NORTH (91786)
2302 *Goede RW 982-5450
2313 *Escott CM 982-5364
2314 *Knibbe JA 1 982-7044
2318 Taylor WB
2322 Vacant
2328 *Chaffin WP 3
2334 Kalina Harold
2340 *Hult OW 982-7632
2341 *Henderson DD 982-1415
2346 *Bessey Jayl 1 982-6348
2347 *Sails AL 982-7286
2350 *Flory PM 982-7858

ORANGE DR, W (UPL) – FROM 600 W 23RD ST, NORTH (91786)
2304 *Bradford DC 1 982-4905
2305 *Foody TJ 1 982-6909
2311 *Hurley EJ 1 982-0357
2312 *VanOrnam LB 1 982-5965
2313 Escott EM Mrs 982-5364
2315 *Zellmer RB 982-8245
2316 *Marty CS 982-6708
2323 *Wildrick EL 1 982-7846
2326 *Forwalter JM 3 982-7193
2329 *Barrett JF 982-7698
2333 *Meek JC 1 982-0121
2339 *Miller VR 2
2343 *Glover Lettie 982-5790
2349 *Cogswell CL 3 982-3325

ORCHARD LN, E (ONT) – FROM 950 EAST I ST, NORTH & EAST (91762)
906 *Yodushock MH 2 984-8401
911 *Dulisse Helen 984-8789
916 *Essman AO 1 984-0423
917 *Robinson RM 3 984-1192
921 *Muncy FM Mrs 984-4995
929 *Brady Viola 986-0908
935 Taylor DL 1 984-2379
945 *Andre ER 984-1513
946 Mesler WE 3 984-8160
952 *Welch LD 2 984-8400
957 Towne Jack 984-1656
958 *Mann BJ 3 986-5649
963 *Mumm CA 1
964 *Hughes JJ 2 984-5393
967 *Denham HB 986-7406
968 *Davis WJ Mrs 984-6892
1005 *Nelson Mable 986-2407
1006 *Colbrunn Mildred 984-2116
1011 *Crow RT 986-6151
1012 Vacant
1017 *St Peter Dominic 984-5203
1018 *Hollbrook GM 6 986-3995
1023 *Clay JN 1 984-4201
1024 *Wiley JG 984-5103
1029 *Ravonet EJ 1 984-8998
1030 *Moskun PA 4 984-4291
1035 *Cliburn WA 5 984-7892
1036 *Lewandowski JI 984-8188
1043 *LaPlante GJ 5 984-4544
N La Paloma Av Ints

ORCHARD LN, N (ONT) – FROM 950 E 6TH ST, NORTH (91762)
945 Duffy Bill 984-4895
967 All States Picnic Inc 986-7406
1011 Crow Paving Co 986-6151
La Paloma Av Ints
1308 *Jamerson JZ 2 984-2674
1309 Vacant
1315 *Stuber JE 2 984-0447
1316 Johannsen WF 3 984-8251
1321 *Stiles JL 986-4992
1322 Lewis Donald 986-0179
1327 *Nash WR 2
1328 *Wade RC 3 984-8749
1334 *Tremayne RW 5 986-7488
1335 *Stout DL 1 986-5640
1340 *Pike HE 3 984-5353
1345 *Gleason CB 5 986-7496
1350 *Wilson RH 2 986-5000
1351 *DuPont PH 2 984-5140
1357 *Drake DL 2 984-1647
1358 *Hatt RL 986-7330
1403 *Smith JR 3 986-4236
1404 *Blades ER Mrs 984-0907
1409 *Bryant WE Jr 2 986-7426
1410 *Parrish HL 984-4343
1416 Ruthruff Larry
1417 Tompkins Richd 2 984-7848
1422 *Leenerts LR 2 984-2539
1423 Henderson Harmon 1 984-4740
1429 *Alicea Sylvia 2

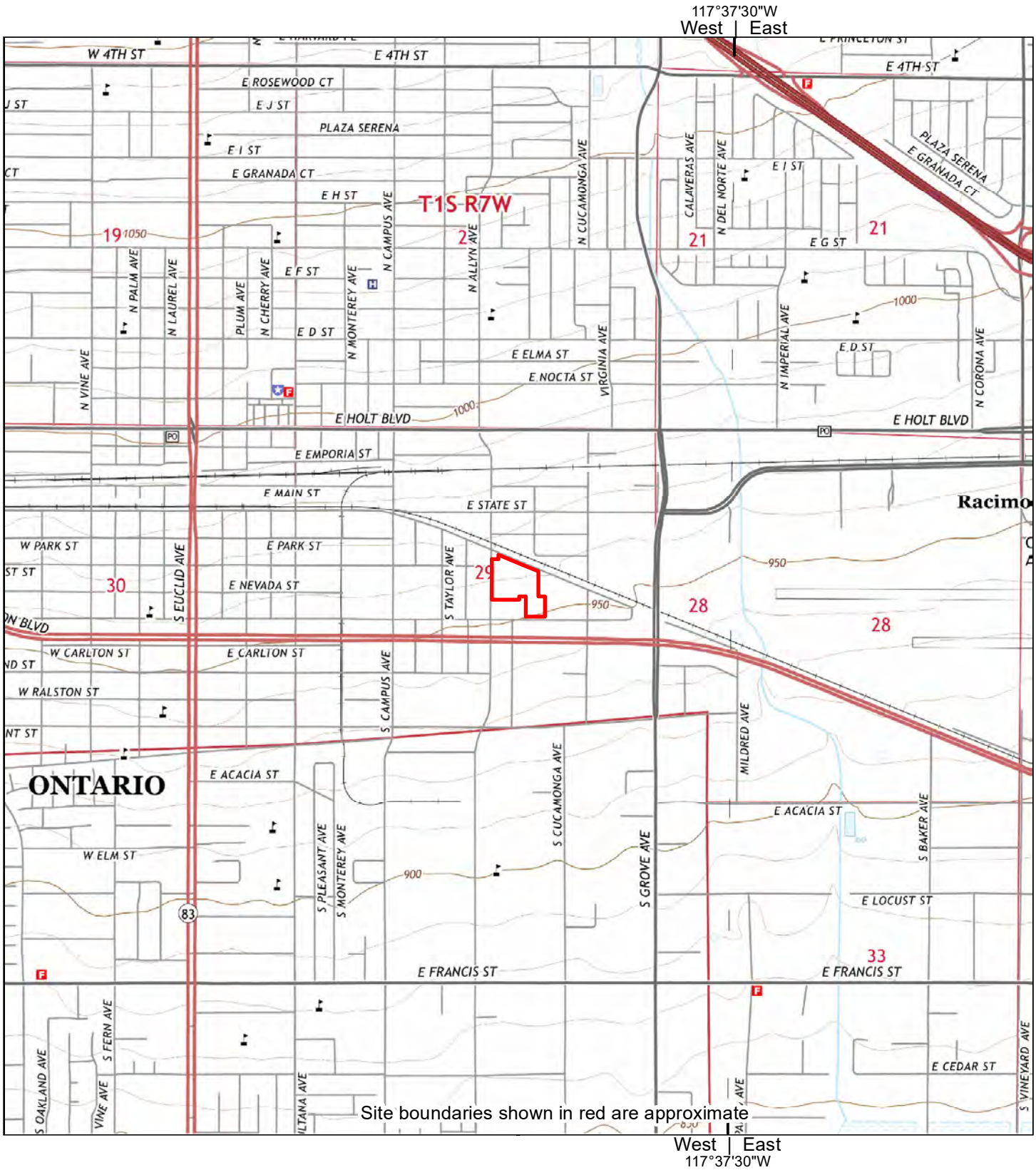
ORCHARD LN, W (UPL) – FROM 350 S LAUREL AV, WEST (91786)
109 *Getson Albt 1 982-8130

(*Homeowner—Digit, Children) –63
112 Arnitz WE 2 982-0361
133 *Allen LW 1 982-8485
138 *Kearney Wilbert 1 982-1763
157 *Drewery HC 1 982-4292
164 Stanley KP 982-7240
175 *Ligtenberg Edw 2 982-1095
186 *Yehnert RW 1 982-4580
S White Av Ints
204 *Peters Margt 982-5860
215 *Blouin JB 1 982-2565
222 *Rosacker CE 982-2163
231 *Jordan Carrie 982-5429
240 *Perry WJ 6 982-6314
251 *Olney HW 982-5541
256 *Porter HJ 982-4770
265 Sheffield EW 3 982-4046
272 *Goddard JA 982-2387
287 *Holland LC Jr 4 982-5437
S Greentree Rd Ints
307 *Gardner JE 4 982-6170
312 *Doege RB
323 Skipper CS 1 982-0909
323 *Skipper CT 1 892-0909
339 *Thurston SW 2 982-5187
344 Uhlenbusch CJ 982-5587
351 *Carnahan ED 2 982-6687
358 *Byers JD 4 982-3943
367 *Benton ZI
S Vine Av Ints
N Malcolm Av Ints
(91762)

ORCHID CT, W (UPL) – FROM 900 N SAN ANTONIO AV, WEST (91786)
810 Apartments
A Baumiester Loren
B Gerringer Geo
D Ethridge Ray 982-8792
E Caraway DF 982-9284
F Taylor Ken
G Kastigar JP 982-3001
I Wolf CJ 2 982-5051
J Thaler JB 982-2386
K Cook Jas
L Ulm Kenneth
811 Apartments
A Melvin RC 982-8311
B Hodges Keith
C Harris Maurine 982-7556
E McDonald DE 982-0911
F Fruechte DF 982-7326
H Lozon Claire
I Vai Madaly
J Kamansky Louis 982-0519
K Pernorse Ruth
L Stevens Edw
831 Apartments
A Troseth Arth 982-7688
D Henry Ruth 985-1489
E Lisnek Elliott 982-0572
F Ritz WA 985-1127
G Waggerly WT 982-8362
I Taves JD 986-3835
N *Heisler HG 982-9814
853 Orchid Court Apartments 982-7777
A Barrows Jack 982-7885
B Noreen HB
C Schrock LE 982-5206
D Leach LL 4 982-7777
E Morris Edw
F Vacant
G Tyndall Ronald 982-2605
H Pitzer TD 982-7085
I Carpenter PJ
J Hyson Ray
K Adams Stanton
N Olsen Geo
854 Apartments
G Woerpel HR 985-1465
H Chopp CL 982-7895
856 Ups N' Downs Apartments
B Thornton JA 982-0648
D Downs CE 982-5371
E Gomer Ray 1
F Weck Chas 982-3430
I Grode JH 982-4769
J Downs Paul

APPENDIX F

Historical Maps



2015

0 Distance in Miles 1

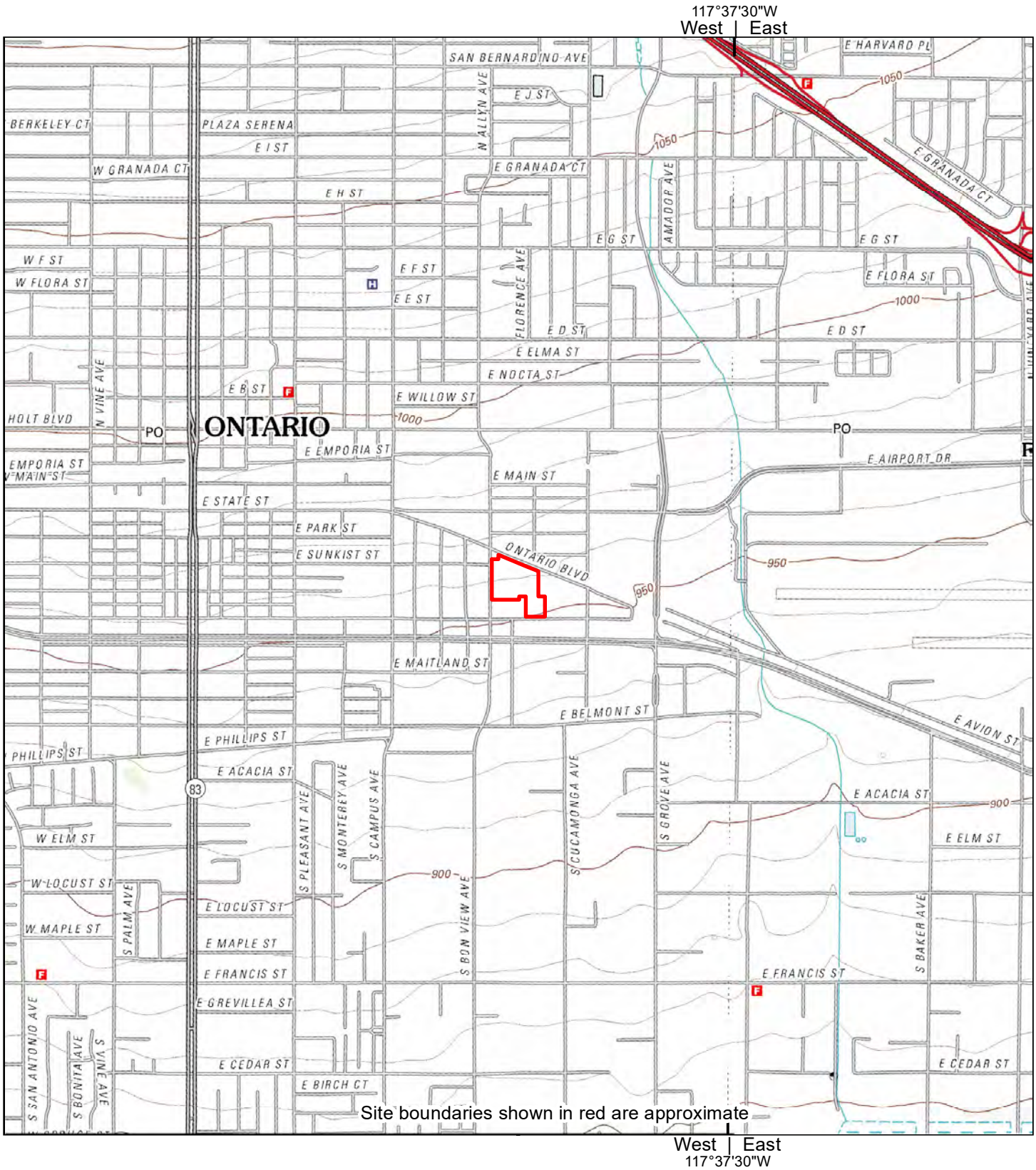
1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N

Site information:
Ontario CA
627 South Bon View Avenue
Ontario, CA

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates: Photo Year	Inspected	Revised
East	Guasti, CA	USGS	7½' x 7½'	2015	--	--	--
West	Ontario, CA	USGS	7½' x 7½'	2015	--	--	--



2012

0 Distance in Miles 1

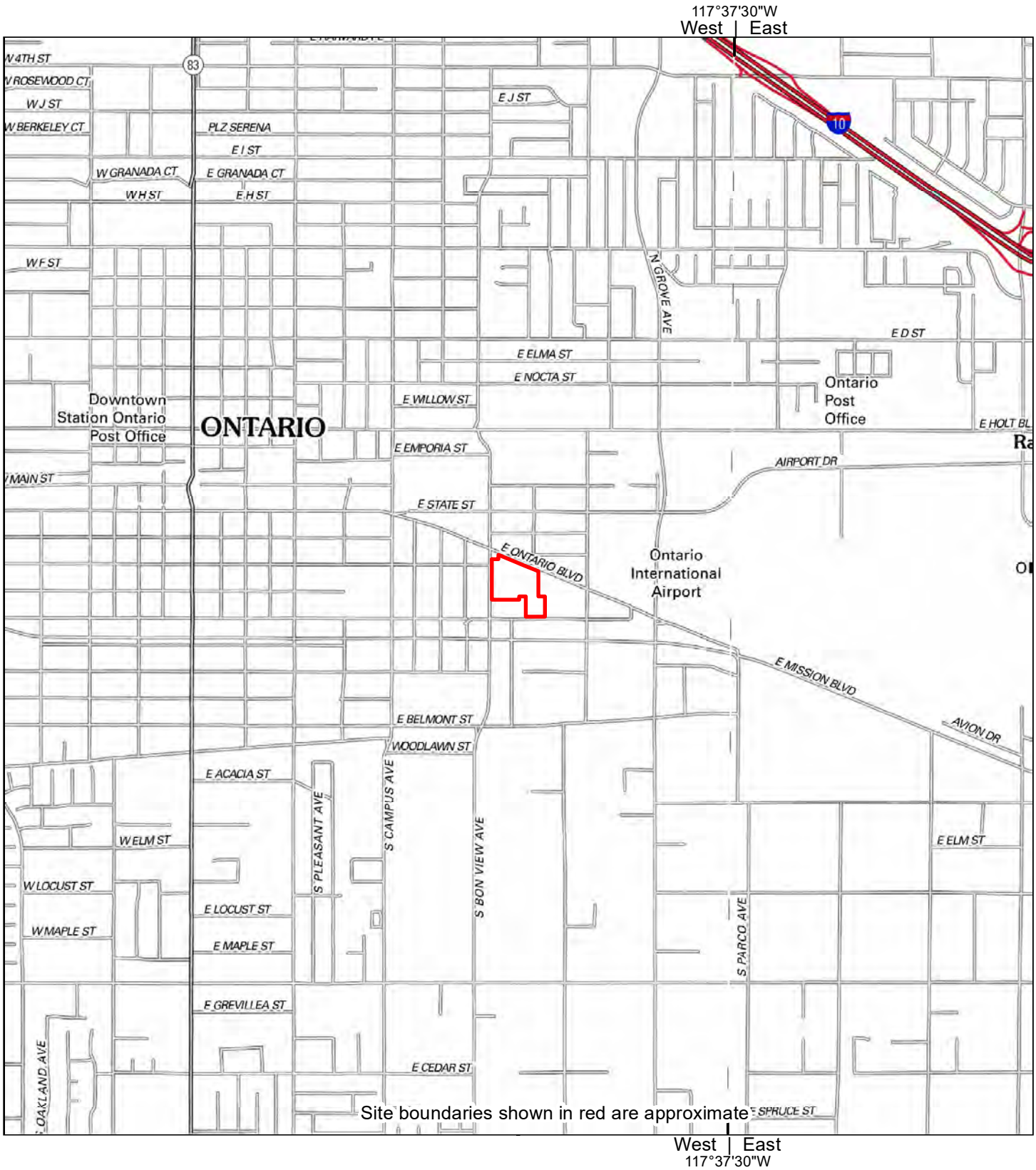
1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N

Site information:
Ontario CA
627 South Bon View Avenue
Ontario, CA

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates: Photo Year	Inspected	Revised
East	Guasti, CA	USGS	7½' x 7½'	2012	--	--	--
West	Ontario, CA	USGS	7½' x 7½'	2012	--	--	--



2009

0 Distance in Miles 1

1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N

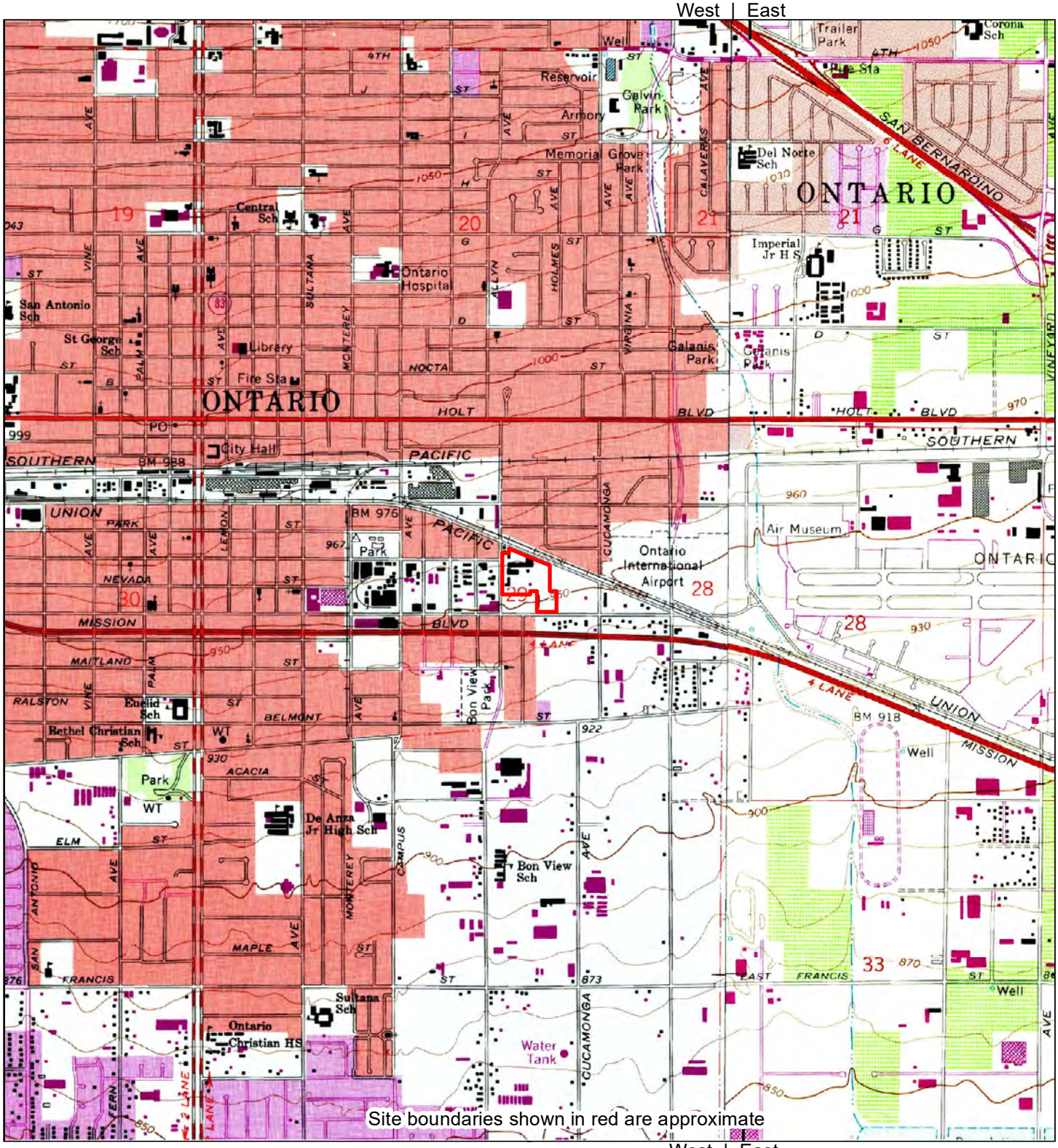
Site information:
Ontario CA
627 South Bon View Avenue
Ontario, CA

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates: Photo Year	Inspected	Revised
East	Guasti, CA	USGS	7½' x 7½'	2009	--	--	--
West	Ontario, CA	USGS	7½' x 7½'	2009	--	--	--

117°37'30"W
West | East



West | East
117°37'30"W

1981

0 Distance in Miles 1

1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N

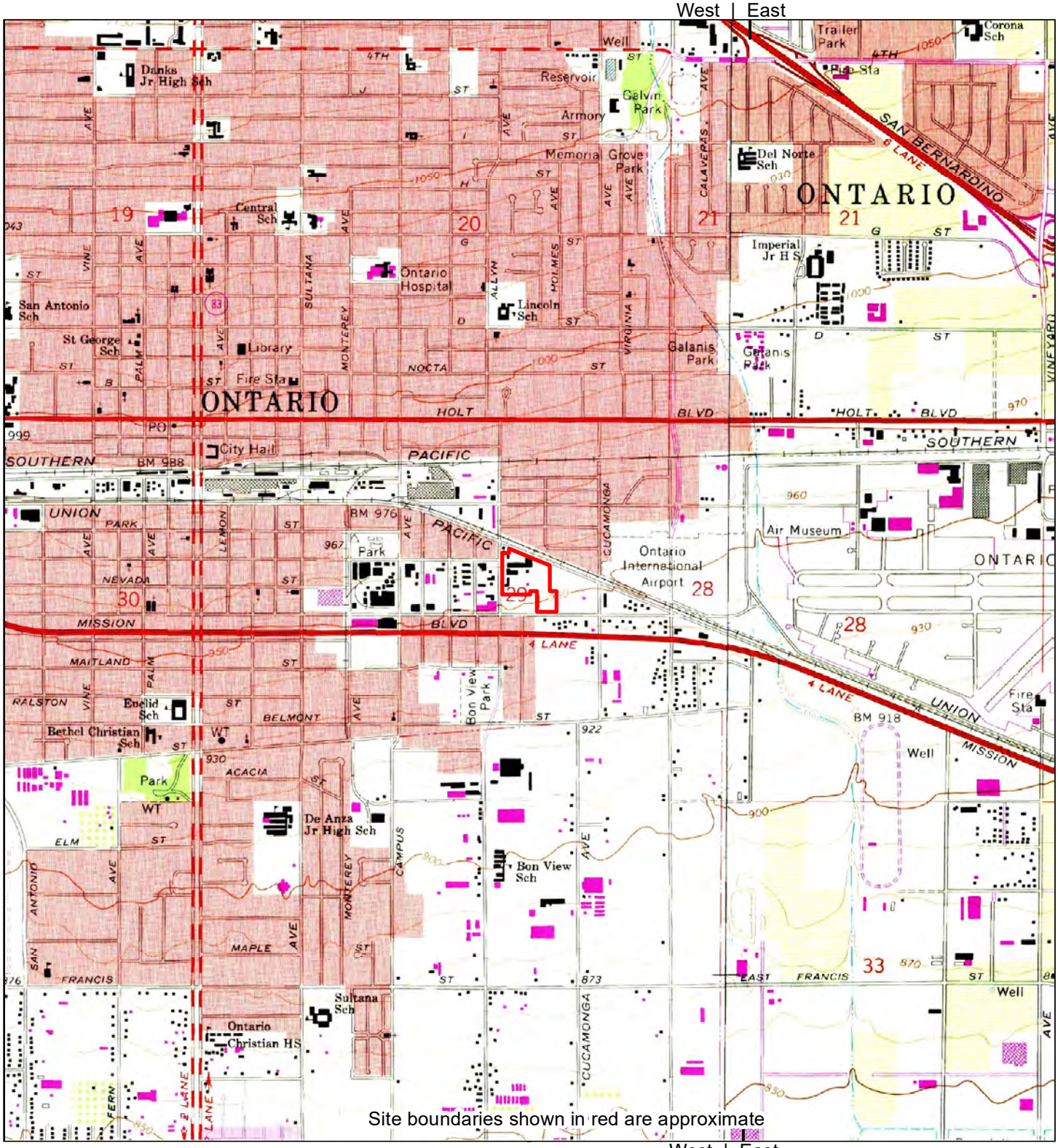
Site information:
Ontario CA
627 South Bon View Avenue
Ontario, CA

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates: Photo Year	Inspected	Revised
East	Guasti, CA	USGS	7½' x 7½'	1966	1978	--	1981
West	Ontario, CA	USGS	7½' x 7½'	1967	1978	--	1981

117°37'30"W
West | East



West | East
117°37'30"W

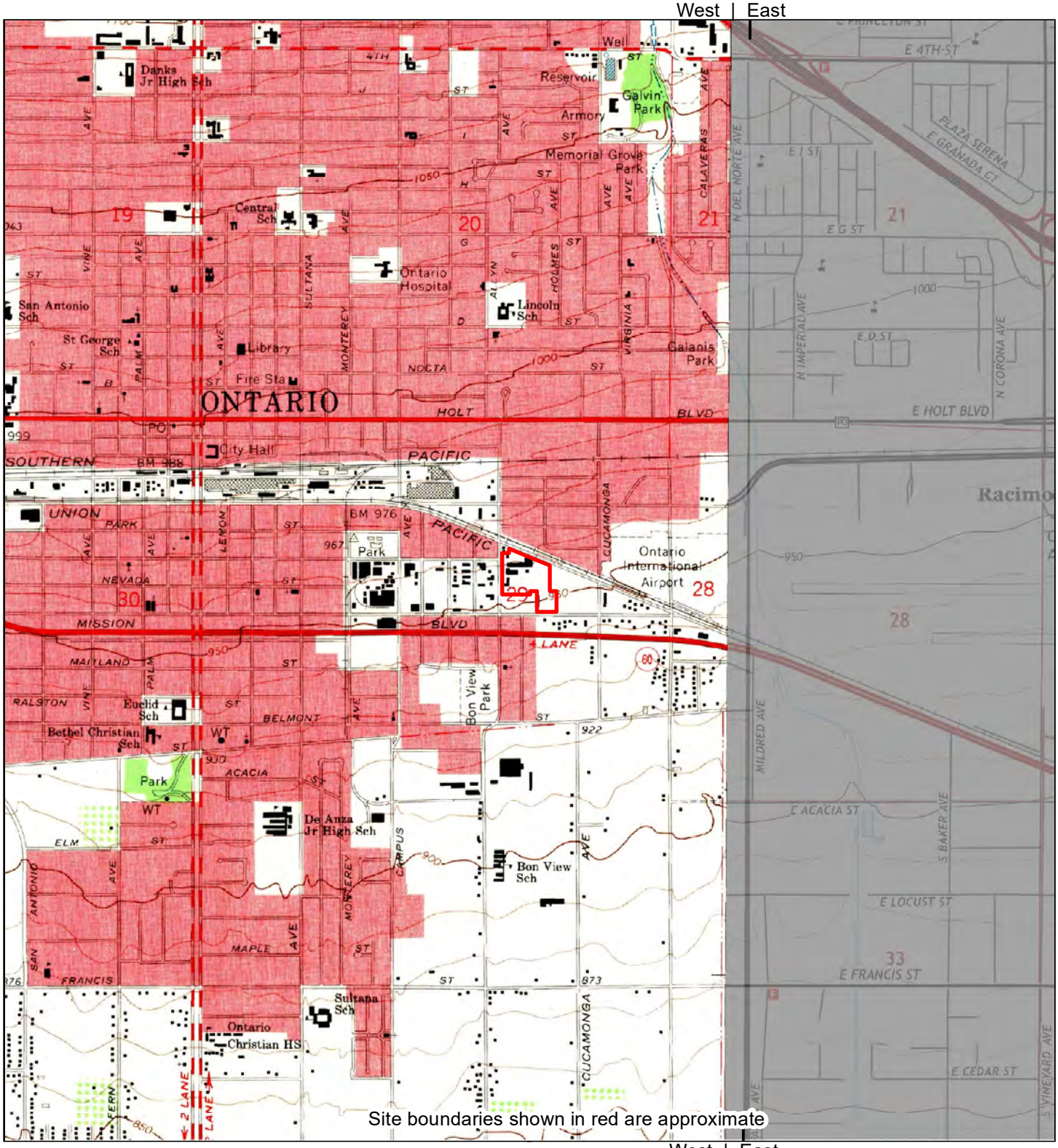
1973	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates: Photo Year	Inspected	Revised
East	Guasti, CA	USGS	7½' x 7½'	1966	1973	--	1973
West	Ontario, CA	USGS	7½' x 7½'	1967	1973	--	1973

117°37'30"W
West | East

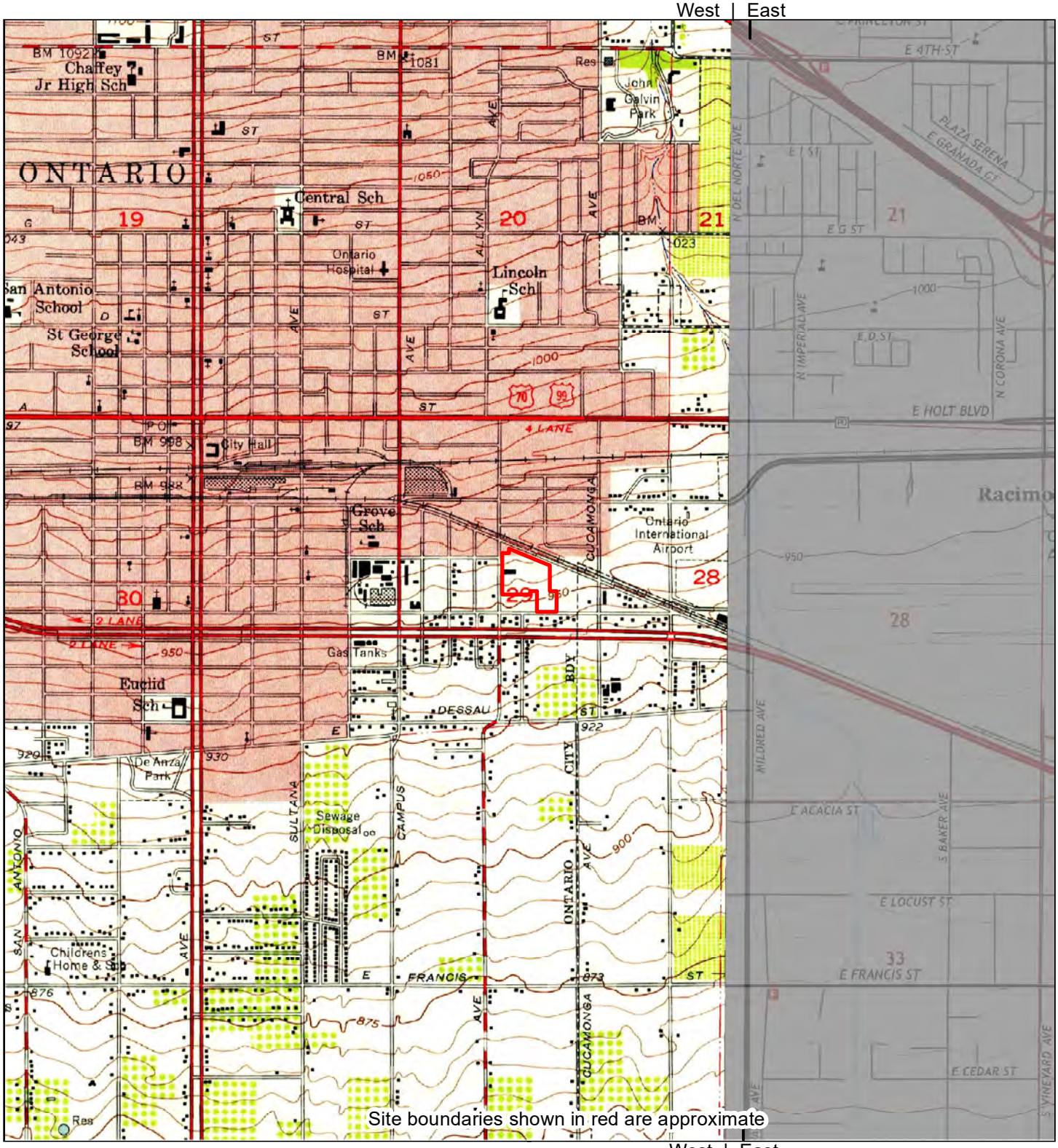


West | East
117°37'30"W

1967	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Year	Topo Updates Inspected	Topo Updates Revised
West	Ontario, CA	USGS	7½' x 7½'	1967	1966	--	--

117°37'30"W
West | East

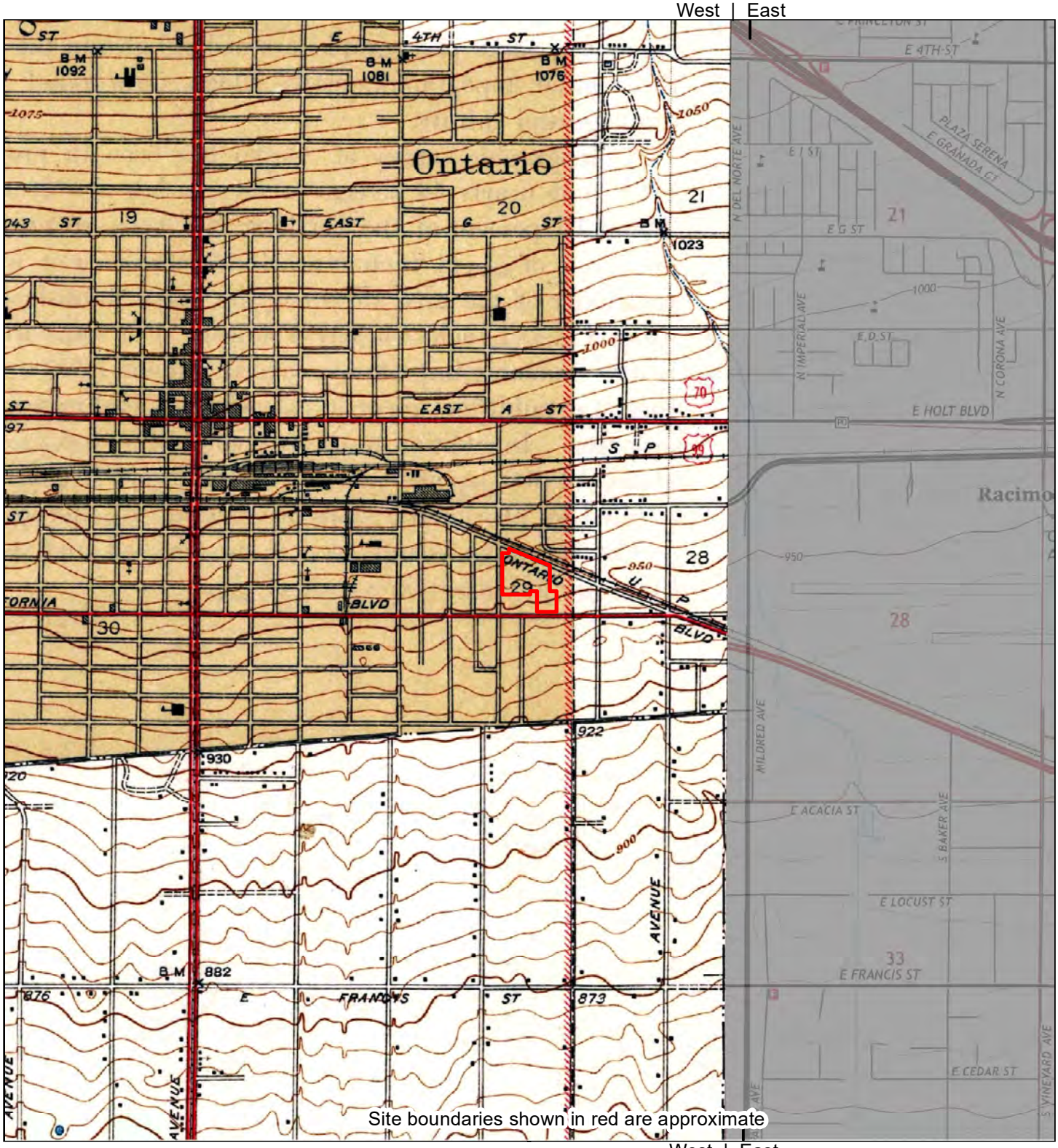


West | East
117°37'30"W

1954	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates Photo Year	Inspected	Revised
West	Ontario, CA	USGS	7½' x 7½'	1954	1952	--	--

117°37'30"W
West | East

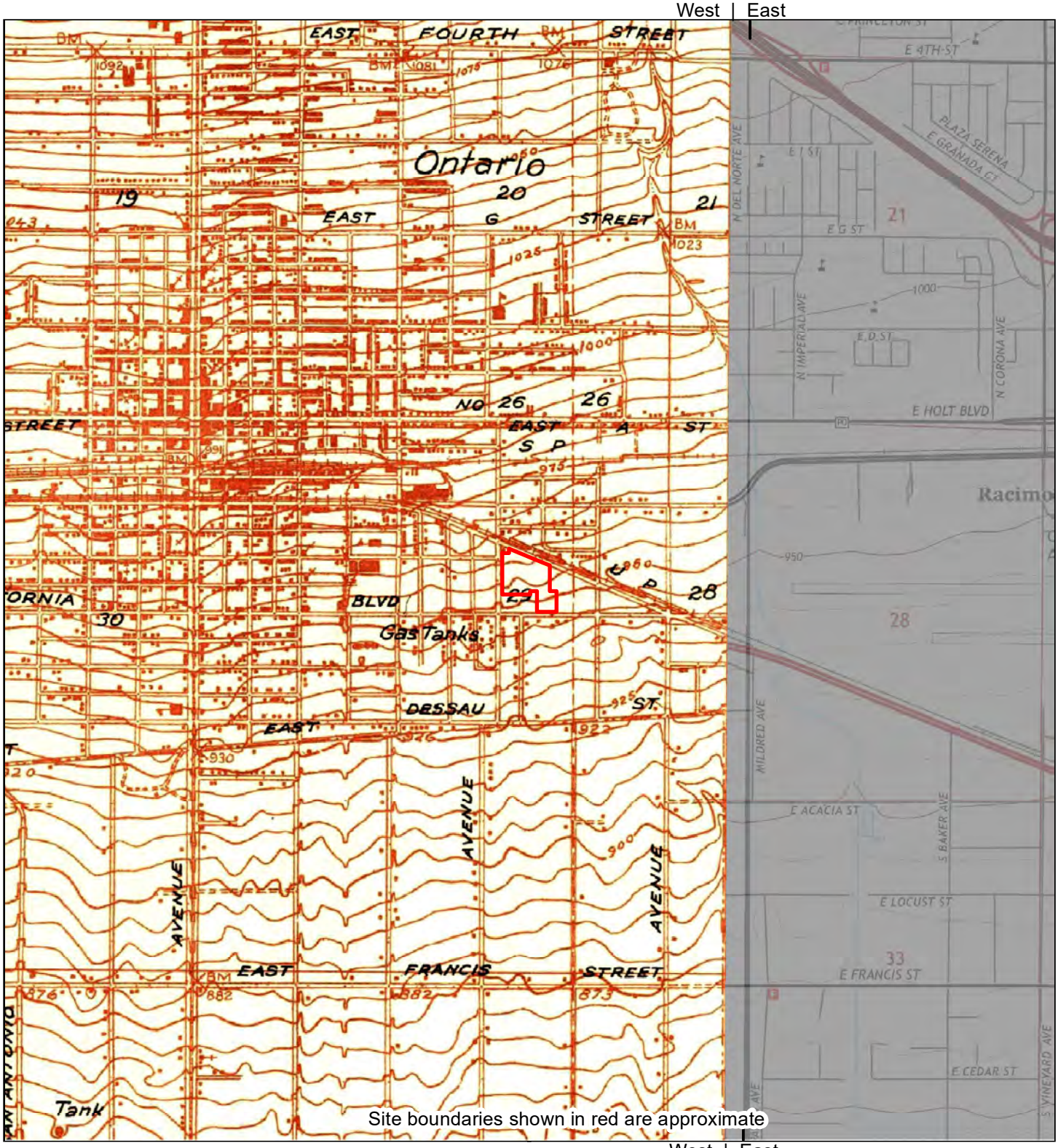


West | East
117°37'30"W

1942	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates Photo Year	Inspected	Revised
West	Ontario and Vicinity, CA	USGS	7½' x 7½'	1942	--	--	--

117°37'30"W
West | East



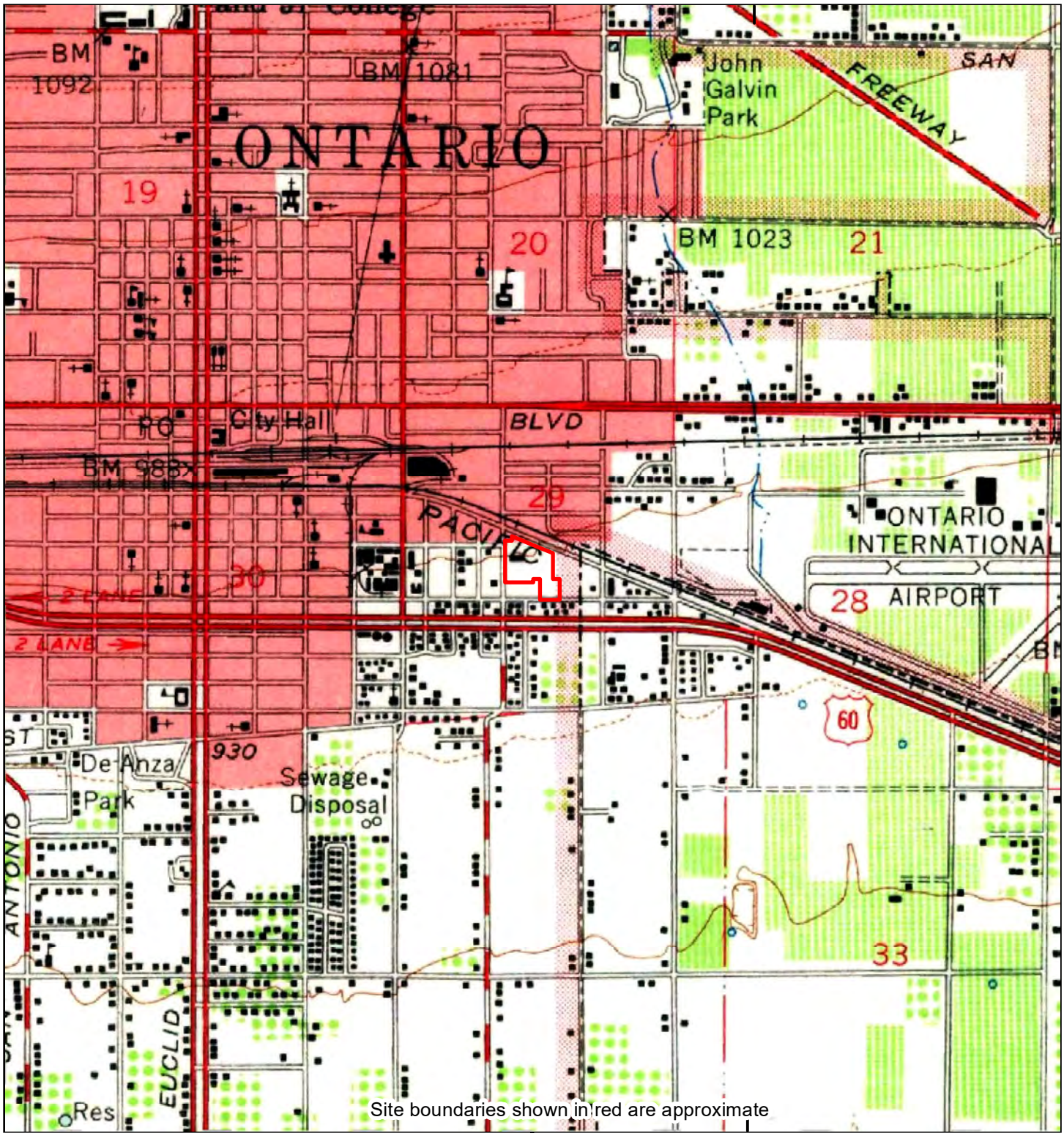
Site boundaries shown in red are approximate

West | East
117°37'30"W

1933	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Year	Topo Updates Inspected	Topo Updates Revised
West	Ontario, CA	USGS	7½' x 7½'	1933	--	--	--

117°37'30"W

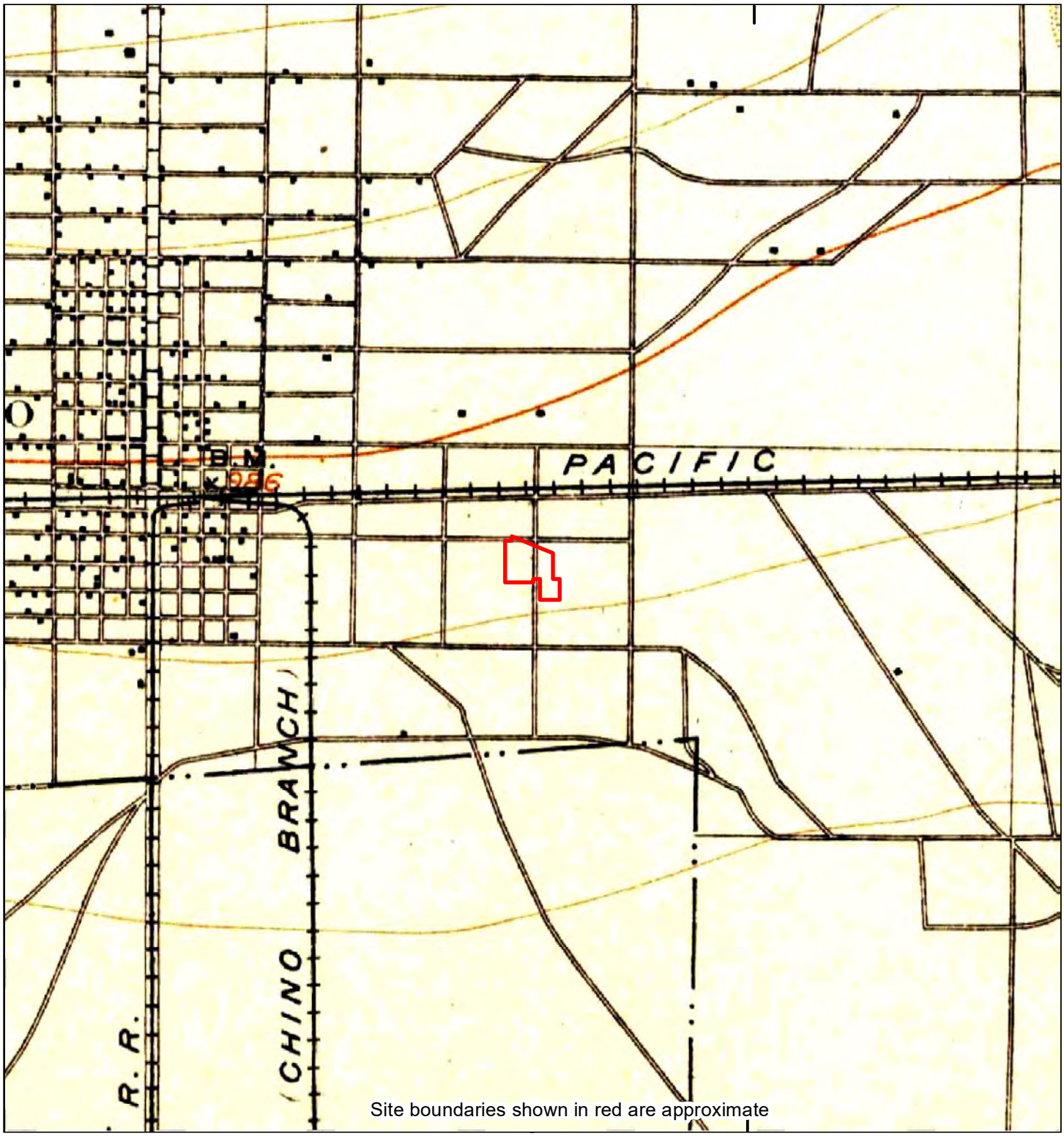


117°37'30"W

1954	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA	HIG
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.		Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates Photo Year	Inspected	Revised
All	Ontario, CA	USGS	15' x 15'	1954	--	--	--

117°37'30"W



Site boundaries shown in red are approximate

117°37'30"W

1903

0 Distance in Miles 1

1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N

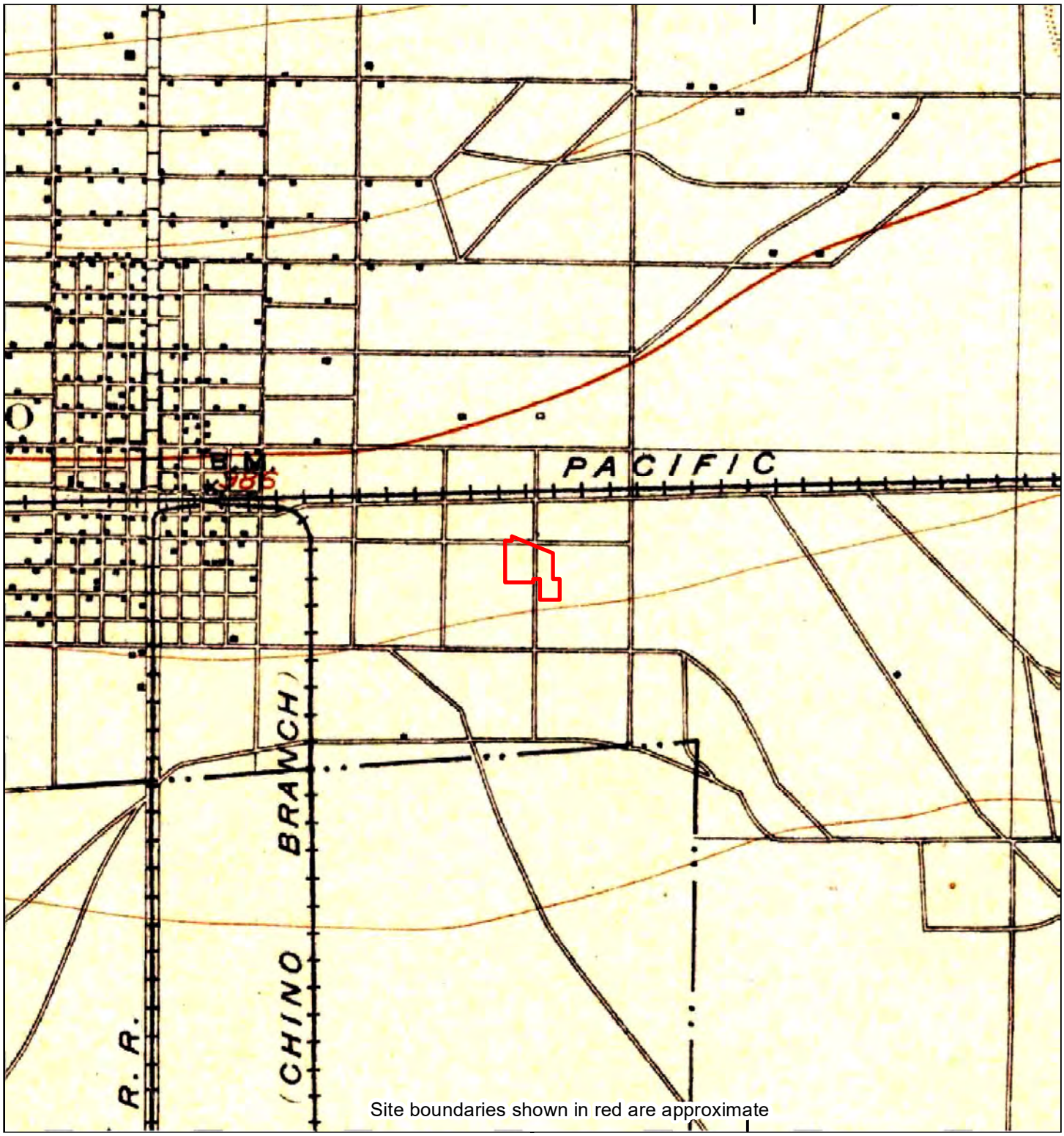
Site information:
Ontario CA
627 South Bon View Avenue
Ontario, CA

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates		
					Photo Year	Inspected	Revised
All	Cucamonga, CA	USGS	15' x 15'	1903	--	--	--

117°37'30"W

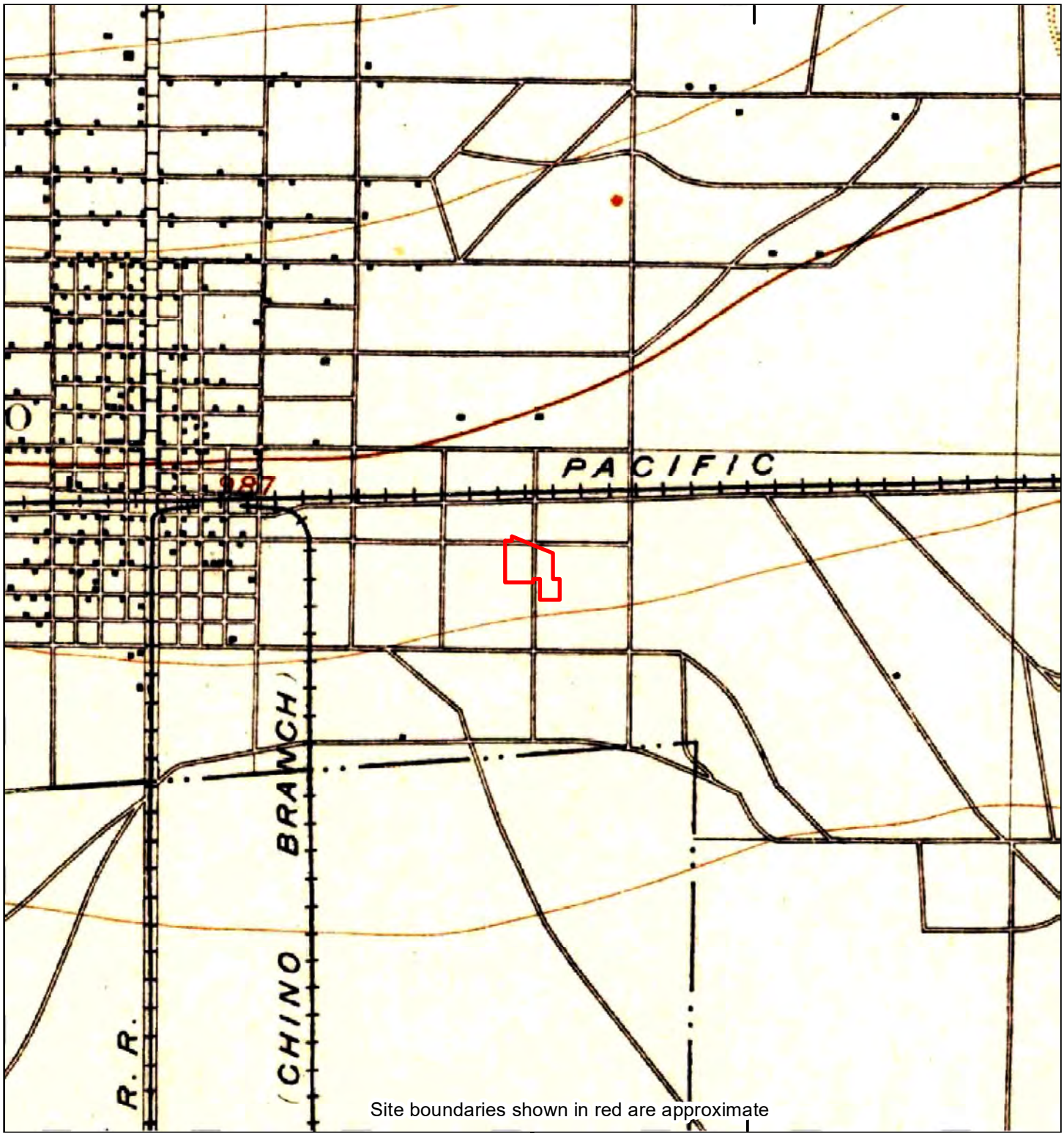


117°37'30"W

1900	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates Photo Year	Inspected	Revised
All	Cucamonga, CA	USGS	15' x 15'	1900	--	--	--

117°37'30"W



117°37'30"W

1897	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates: Photo Year	Inspected	Revised
All	Cucamonga, CA	USGS	15' x 15'	1897	--	--	--

APPENDIX G

Fire Insurance Map Research Document

Fire Insurance Maps No Coverage Statement

Site Location
Ontario CA
627 South Bon View Avenue
Ontario, CA

Requested by
Stantec Consulting Services Inc.
2080 Wooddale Drive
Woodbury, MN

HIG Project #
2058115
Client Project #
227703324
Date Created
12/09/2021

Historical Information Gatherers

FIM+ Maps

The HIG Historical Map Collection and the United States Library of Congress Map Collection were searched for fire insurance maps (FIMs), real estate atlases and similar maps for the site location and adjoining properties. No FIMs or similar maps were identified for the site location and/or adjoining properties.

APPENDIX H

Subject Property Photographs

Photo #1 View of the northernmost building at 621 S Bon View, facing southeast

Photo #2 View facing north-northeast showing the building just south of 621 S Bon View

Photo #3 View of west façade of building nearer the south portion of the Subject Property, facing southeast

Photo #4 View showing the east end of the newest building at the south-central boundary of the Subject Property, view facing southwest

Photo #5 View facing northwest along property boundary showing the east façade of the building to the rear of 621 S Bon View

Photo #6 View facing north-northwest showing the east façade of the building to the rear of 621 S Bon View

Photo #7 View facing west fro near the same location as photo 6

Photo #8 View facing west at the rear of the middle building on the Subject Property

Photo #9 View facing east showing west façade of Fleet Warehouse building

Photo #10 View of new newest building on the south portion of the Subject Property, view facing southeast

Photo #11 View facing north-northeast from S Bon View at south entrance to the Subject Property

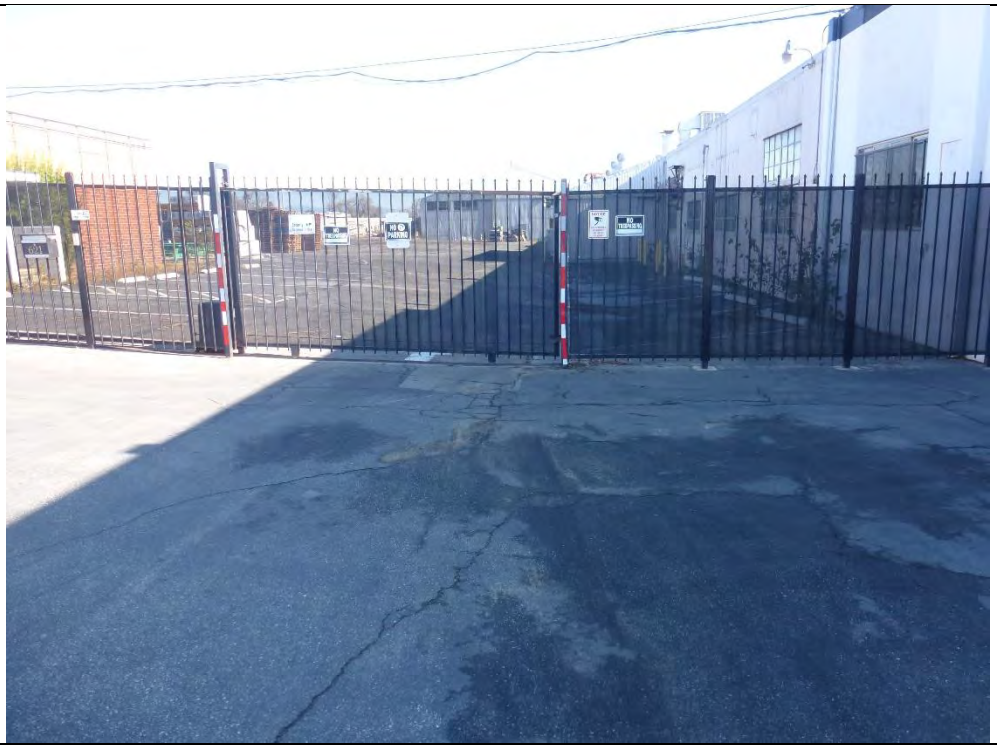


Photo #12 View showing the north access gate at the 621 S Bon View location

Photo #13 View within the south storage building

Photo #14 View within the north storage building

Photo #15 View within the central storage building

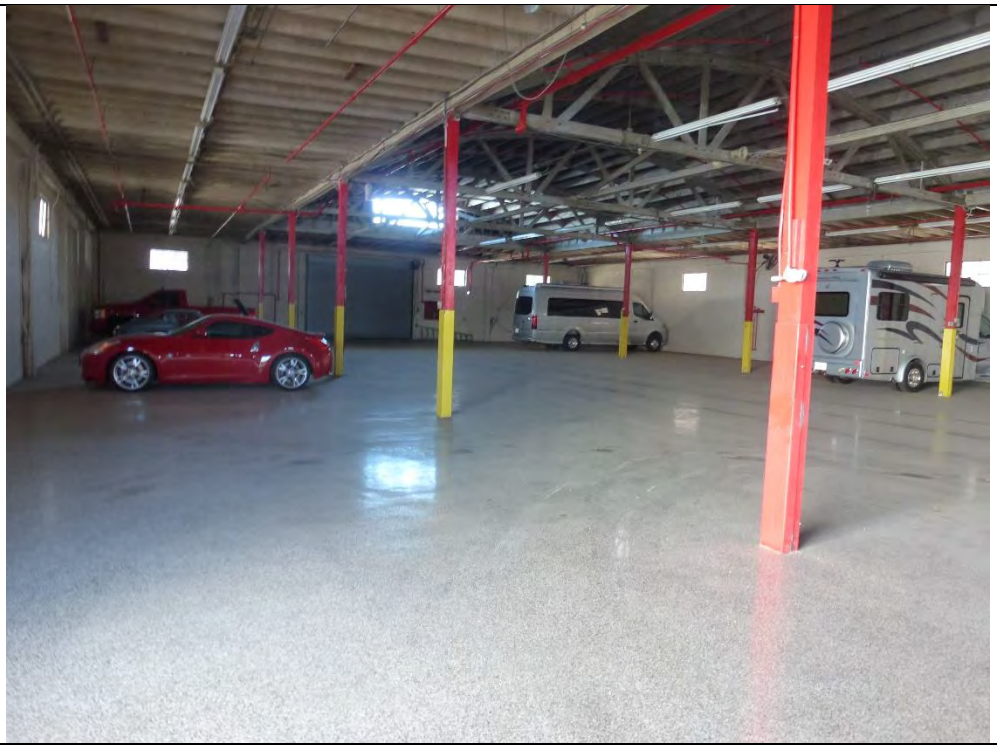


Photo #16 Second view within central storage building

Photo #17 View facing north along east end of Subject Property showing recently paved area

Photo #18 View facing south at southeast portion of the Subject Property, view shows unimproved area

Photo #19 View showing one of the solid waste dumpsters, view facing west between north building and central building

Photo #20 View within former glass manufacturing area in Building 2

Photo #21 View of pad-mounted transformer by north building, facing northeast

Photo #22 View facing west along south portion of the Subject Property

APPENDIX I

Research Summary

HIG Research Summary

Site Location
Ontario CA
627 South Bon View Avenue
Ontario, CA

Requested by
Stantec Consulting Services Inc.
2080 Wooddale Drive
Woodbury, MN

HIG Project #
2058115
Client Project #
227703324
Date Created
12/09/2021

This Research Summary identifies the products and services provided by Historical Information Gatherers, Inc. (HIG) for the above referenced site location. All products are provided as PDFs unless otherwise noted.

Historical Aerial Photographs

Aerial photographs of the site location were used to create a multi-page file named AerialPhotos. Each aerial photograph has a title block that includes the year and scale of the photograph as well as project information submitted at the time the order was placed. The years provided are:

1938, 1946, 1948, 1952, 1966, 1968, 1974, 1976, 1980, 1985, 1994, 2005, 2009, 2012, 2018

City Directory Pages/Abstracts

Research Methodology: A search was conducted for city directories that include coverage of the site area using HIG's City Directory Collection and other sources, if needed. Directories for the following years were identified for the site area. A comma between date ranges indicates a gap of 10 years or more in available city directories:

San Bernardino; 1971 - 2011
Ontario-Upland; 1964

The above listed directories were reviewed at approximate 5 year intervals to determine if the street(s) specified in the order were included in the directories and had listings for the site area. HIG attempted to identify former street names and aliases and if identified, these were also included in the review.

Research Results: City directory information, when provided, was used to create a multi-page file(s) named CD- followed by the street name. When City Directory Pages are provided, the publication name and date are shown at the top of each page. When a City Directory abstract is provided, the first page of the abstract includes the relevant publication information. The years of coverage identified for each street and any identified historical street names are as follows:

Ontario Blvd (1964 - 2011)
Bon View Ave S (1964 - 2011)

FIM+ Maps

The HIG Historical Map Collection and the United States Library of Congress Map Collection were searched for fire insurance maps (FIMs), real estate atlases and similar maps for the site location and adjoining properties. No FIMs or similar maps were identified for the site location and/or adjoining properties.

Database Report

A GeoSearch Radius Report is provided as a file named DBR. Links to the text file, unlocatable report and zip report can be accessed by clicking on the paperclip icon within the GeoSearch report. Key information regarding the database listings is included in a separate Excel spreadsheet named DBRS.

Topographic Maps

The HIG Historical Map Collection was searched for topographic maps for the site location and adjoining properties. Maps from the HIG Collection were used to create a multi-page file named TopoMaps. The years provided are:

1897, 1900, 1903, 1933, 1942, 1954, 1966, 1973, 1981, 2009, 2012, 2015

Up to four different topographic maps may have been used to create a unified map showing the site location in the center. Unified maps show subdued modern topo features where corresponding maps of the same year were not published. The date in large font on each map is the date HIG has attributed to the map based on the date of first publication, or the most recent date of map inspection or revision. The definitions below provide clarification regarding the dates included in the HIG title block for each map.

Base Map Year - The year when a topographic map was first published or the date the map was significantly revised and given a new base map date.
Photo Year - The date of the most recent aerial photography used to create, revise, or inspect the map.
Photoinspected Year - The year the base map was compared to a more recent aerial photograph. If the comparison showed that no changes were needed, the map was marked photoinspected and no changes were made to the map.
Photorevised Year - During the photo inspection process, if enough changes were observed, the map would be revised by adding the new features. These changes were not field checked and are shown in purple on the photorevised maps.

Disclaimer & Limitation of Liability

This Research Summary and the related documents and images provided by Historical Information Gatherers (hereafter referred to as the "Site Specific HIG Data") contain information obtained from a variety of public and private sources. Additional information for the site and surrounding properties may exist. Accordingly, there can be no guaranty or warranty that the information provided is complete for its particular intended purpose. No warranty expressed or implied, is made whatsoever in connection with the Site Specific HIG Data. Historical Information Gatherers specifically disclaims the making of any such warranties, including without limitation, merchantability or fitness for a particular purpose. Historical Information Gatherers, its officers, employees and independent contractors cannot be held liable to anyone for any loss or damage, whether arising out of errors or omissions, negligence, accident or any other cause, resulting directly or indirectly from any information provided or any information not provided in the Site Specific HIG Data. Any liability on the part of Historical Information Gatherers is strictly limited to a refund equal to the amount paid for the Site Specific HIG Data.

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Limited Subsurface Soil Vapor Screening Assessment

Industrial Property
621 and 627 South Bon View Avenue
Ontario, California

File No.: 227703324

February 2022

Prepared for:

WPT Capital Advisors
150 South 5th Street
Suite 2675
Minneapolis, Minnesota 55402

Prepared by:

Stantec Consulting Services Inc.
1800 Pioneer Creek Center
Maple Plain, MN 55349
Phone: 763.479.4200

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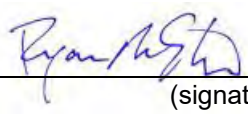
Prepared by 
(signature)

Ryan McElrath

Associate, Environmental Scientist

Approved by
(signature)

J. Joseph Otte

Principal

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3 GPRS Job Summary and Figure

1.0 INTRODUCTION

1.1 PURPOSE

Stantec Consulting Services Inc. (Stantec) was authorized by Mr. Scott Haugen, Partner – Asset Manager at WPT Capital Advisors, to conduct this Limited Subsurface Soil Vapor Screening Assessment (Assessment) for the properties located at 621-627 South Bon View, Ontario, San Bernardino, California (the Site). The Site at the time of the sampling was occupied by multiple industrial buildings/warehouses, one office building and paved parking and outdoor material storage.

The purpose of the sampling activities described herein was to determine whether volatile organic compounds (VOCs) are present in the subsurface at concentrations of potential concern. The potential for impact was identified during preparation of a Phase I Environmental Site Assessment (ESA) for the Site by Stantec in December 2021. The Phase I ESA identified the historical uses of the Site, amongst other things, as a glass manufacturing facility from at least 1947 to the 2010. The Site was also identified as the location of hazardous waste generation and records indicated the historical presence of two underground storage tanks (USTs) and a motor oil UST. The two solvent tanks were 4,000-gallon and 2,000-gallon in size, and while registration records were identified, no records concerning their removal were readily available. Additionally, the adjacent property to the southwest was identified as being under active investigation for a tetrachloroethene (PCE) release to soil vapor and groundwater.

1.2 SCOPE OF SERVICES

This following scope of services were completed for this Assessment:

- Cleared public underground utilities.
- Subcontracted an environmental driller to advance ten soil vapor borings to the depth of 5.5 feet below ground surface (bgs).
- Collected ten soil vapor samples for mobile laboratory analysis of volatile organic compounds (VOCs) via EPA Method 8260B.
- Prepared this report.

1.3 RELIANCE

This report has been prepared solely for the information and use of WPT Capital Advisors. Others wishing to rely on the findings of this report, not having a contractual relationship with Stantec, do so without permission and at their own risk. Our professional recommendations made to the addressee(s) are exclusive to that party's disclosed intended or proposed consideration with respect to the Site at the present time.

2.0 SITE DESCRIPTION

The Site is located in an industrial area in the City of Ontario, California.

Site Address/Location	**Address:** 621 and 627 South Bon View Avenue		**City:** Ontario
	County: San Bernardino		**State:** California
	Township: 1 North	**Range:** 7 West	**Section:** Portion of the E ½ of 29
Property Information	**Size:** 10.06 acres **Property Identification Number:** 1049181140000		
Improvements	The Site has five light industrial buildings/ warehouses, one office building and paved parking and outdoor material storage.		
Building Information	**Size:** Industrial building 1 (southern): approximately 20,000-square feet Industrial building 2 (north-central): approximately 33,080-square feet Industrial building 3 (centrally located): approximately 21,743-square feet Industrial building 4 (northeast): approximately 2,480-square feet Industrial building 5 (south-central): approximately 1,152-square feet Office building: approximately 5,107-square feet	**Year of Construction:** 2000 1956 1947 1956 1959 1959	
	Description: The buildings are generally re-purposed structures used for storage of tenant-owned cars, mobile homes, boats, trailers and trucks.		
Use of the Property	**Current Use:** The Site is in use as a storage facility for cars, RVs, mobile homes, boats trailers and trucks.		

	Past Use: According to reviewed sources of information, the Site was developed with a portion of a road from at least 1897 to 1903. The Site was fully agricultural cropland from at least 1933 to 1947 when the first building was constructed on the Site. The remainder of the existing buildings were constructed in 1956 (two buildings), 1959 (two buildings) and 2000 (one building). Past occupants of the Site include ABC Windows Co. and Production Augers Inc., Bestile Manufacturing, AVR Express and Shamrock Paving.
Ownership and Operation of the Property	**Ownership & Operation:** The Site is owned and occupied by Fleet RV & Boat Storage LLC.

The Site location is depicted in **Figure 1**. A Site Detail Map showing the Site is provided in **Figure 2.**

2.1 CURRENT USE OF ADJOINING PROPERTIES

Direction	Description
North	Ontario Access Center and vacant land (beyond East Ontario Blvd and railroad tracks)
South	Foam Zone Inc. recycling center
East	Onsite Truck & Equipment Repair shop and Patton's Steel Corporate Offices
West	I.E. Automotive Repair, Lynwood Pattern Service, Inc. aluminum casting, Primos Cylinder Head Inc. machine shop (beyond South Bon View Avenue)

2.2 PHYSICAL SETTING

2.2.1 Topography

The Site is generally sloping south with an elevation ranging from 940 to 950 feet above mean sea level. Site surface drainage is to the south toward the municipal stormwater sewer system associated with East California Street. Historic development may have included grading or filling of the Site to improve the location for construction and drainage.

2.2.2 Geology

Published references describe the surficial geology in the Site area as alluvial gravel and sand of valley areas (Dibblee, 2002).

Shallow bedrock in the Site area consists of alluvium, lake, playa and terrace deposits (Jennings, 2010).

2.2.3 Hydrogeology

The general direction of regional groundwater flow in the Site area is presumed to be southeast toward the Santa Ana River. Local conditions may vary due to surface water features, perched groundwater conditions or artificially created drainage systems. Depth to water was estimated to be between 380 and 390 feet below ground surface (SWRCB reviewed files in Section 5.1.2).

3.0 PREVIOUS ENVIRONMENTAL REPORTS

Stantec previously prepared the following environmental report for the Site:

- Stantec Consulting Services, Inc.; *Phase I Environmental Site Assessment: Industrial Property, 621 and 627 South Bon View Avenue, Ontario, California*; December 2021 (2021 Phase I ESA).

According to reviewed sources of information, the Site was developed with a portion of a road from at least 1897 to 1903. The Site was fully agricultural cropland from at least 1933 to 1947 when the first building was constructed. The remainder of the current buildings were constructed in 1956 (two buildings), 1959 (two buildings) and 2000 (one building). Past occupants of the Site included ABC Windows Co. and Production Augers Inc., Bestile Manufacturing, AVR Express and Shamrock Paving. The existing tenant is Fleet RV & Boat Storage.

The Site was identified on the RCRAGR09, RCRANGR09, HWTS, SBFD, HISTUST, FRSCA and ECHOR09 regulatory databases in the GeoSearch Radius Report. ABC Products was listed as an active small quantity generator of hazardous waste and Shamrock Paving was listed as a former generator of hazardous waste on the Site. Additionally, SC Fuels and Fleet RV & Boat Storage have generated hazardous waste through the County.

The HISTUST database listing identified a 4,000-gallon solvent UST (installation date unknown), a 2,000-gallon solvent UST (installed 1960) and a 500-gallon motor vehicle UST (installation date unknown) for the Site. The three tanks were identified as single-walled with no vaulting.

Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, was identified as having an active investigation for a PCE release that has resulted in soil vapor and groundwater plumes of PCE and trichloroethene (TCE). Groundwater is located approximately 340 feet below ground surface; however, permanent groundwater monitoring wells have been installed on the property to monitor the groundwater impacts on a semiannual basis. Subsurface vapor samples are also monitored semiannually. While the plume appeared to have the highest concentrations on the western portion of the property, it did not appear to be delineated to the east. The investigation was ongoing as of the writing on the 2021 Phase I ESA.

The Stantec 2021 Phase I ESA identified the following recognized environmental conditions (RECs) relative to the Site:

- The historical use of the Site as a manufacturing glass facility from at least 1947 to the 2010s is considered a REC based on the prolonged use of hazardous materials at a time when it was not regulated.

- The two solvent and one fuel oil USTs on the Site are considered RECs based on the age of the tanks and unknown status.

- Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, is considered a REC based on the identified PCE and TCE plume in both soil vapor and groundwater.

The Phase I ESA identified no evidence of controlled recognized environmental conditions (CRECs) or historical recognized environmental conditions (HRECs) in connection with the Site.

Pertinent sections of the 2021 Phase I ESA are included as **Appendix A**.

4.0 INVESTIGATION METHODS AND PROCEDURES

4.1 FIELD INVESTIGATION RATIONALE

The objective of this Assessment was to determine whether VOCs are present in the subsurface at concentrations of potential concern as identified during preparation of a Phase I ESA for the Site by Stantec in December 2021.

The rationale for the soil vapor survey approach and the distribution of sampling points was to determine whether VOCs related to historical solvent tanks had been mismanaged at the surface or leaked from USTs to the subsurface, as well as to assess whether the nearby site of regulatory interest (adjacent southwest) had affected subsurface conditions to the point where pre-emptive vapor mitigation would be required for proposed buildings at the Site.

Procedures for subsurface vapor sampling activities followed Stantec's standard operating procedures. Standard operating procedures were adhered to with no deviations during the implementation of the work. Methods and procedures are described below.

4.2 SOIL VAPOR INVESTIGATION

4.2.1 Soil Vapor Monitoring Point Installation

Soil vapor sampling activities were completed by Stantec on January 12 and 18, 2022. Soil vapor monitoring point installation activities occurred on January 12 and consisted of advancing a hand auger to a depth of 5.5 feet bgs to clear for utilities in ten locations intended to investigate the RECs identified in the 2021 Phase I ESA. Soil vapor monitoring points were constructed by first placing approximately 4 to 6 inches of Monterey No. #3 wash sand (or equivalent) in the bottom of the borehole. A permeable vapor tip (e.g., airstone) connected to 1/4 -inch diameter Nylaflow tubing was then lowered to the bottom of the borehole and then backfilled with an additional 6 to 8 inches of filter sand (i.e., filter sand from 4.5 to 5.5 feet bgs). A transition seal consisting of approximately 12-inches of dry bentonite was then placed above the filter pack (3.5 to 4.5 feet bgs), followed by an annular seal consisting of hydrated bentonite grout to the surface.

4.2.2 Soil Vapor Probe Sampling

Soil vapor samples were collected in accordance with the methods and procedures outlined by the California Department of Toxic Substance Control (DTSC) and California Regional Water Quality Control Board (CRWQCB) Advisory – Active Soil Gas Investigations, dated July 2015. Sample were collected on January 18, 2022, more than the minimum of 48-hours after installation to allow for equilibration. Soil vapor samples were not collected during or within five days of a significant rain event (defined as greater than ½-inch or greater of rainfall during a 24-hour period).

Prior to sampling, a shut-in test was conducted on the sample train to ensure all connections and fittings were airtight. The shut-in test was performed on the sampling train by applying a vacuum of 100 inches of water column (WC) to the sampling train and monitoring magnehelic gauges for a pressure drop for one minute. If loss of vacuum was observed, fittings were adjusted as needed until no vacuum loss was observed during subsequent shut-in tests.

After the sampling equipment passed the shut-in test, the probe was purged to remove internal air from the sample train (calculated from the internal volume of the tubing and probe tip; the void space of the sand pack around the probe tip; and the void space of the dry bentonite in the annular space). Three internal volumes were purged from each sampling location. Immediately following purging the internal volumes, the soil vapor was collected by connecting a glass syringe to the sampling port with Teflon® or Nylaflow® tubing. A tracer gas consisting of isopropyl alcohol (IPA) was placed above the surface seal and along the sampling train to evaluate the integrity of the seal. The samples were collected by a mobile laboratory technician into pre-cleaned glass syringes for analysis for VOCs following USEPA method 8260B at A&R Laboratories, Inc. (ARL) using an on-Site mobile laboratory.

The soil vapor boring location rationale and analytical parameters sampled for subsurface vapor are as follows:

Vapor Boring ID	Rationale	Sample Depth	Laboratory Analysis
SV-1-5	Characterize soil vapor in potential solvent UST area	5.5 feet	VOCs – EPA Method 8260B
SV-2-5	Characterize soil vapor in potential solvent UST area	5.5 feet	VOCs – EPA Method 8260B
SV-3-5	Characterize soil vapor in potential solvent UST area	5.5 feet	VOCs – EPA Method 8260B
SV-4-5	Characterize soil vapor in potential solvent UST area	5.5 feet	VOCs – EPA Method 8260B
SV-5-5	Characterize soil vapor in potential solvent UST area	5.5 feet	VOCs – EPA Method 8260B
SV-6-5	Characterize soil vapor in area of Site near adjacent release	5.5 feet	VOCs – EPA Method 8260B

Vapor Boring ID	Rationale	Sample Depth	Laboratory Analysis
SV-7-5	Spatial data distribution	5.5 feet	VOCs – EPA Method 8260B
SV-8-5	Characterize soil vapor in area of Site near adjacent release	5.5 feet	VOCs – EPA Method 8260B
SV-9-5	Spatial data distribution	5.5 feet	VOCs – EPA Method 8260B
SV-10-5	Spatial data distribution	5.5 feet	VOCs – EPA Method 8260B

The locations of the soil vapor borings are shown on **Figure 3**.

4.3 UST INVESTIGATION

Stantec hired subcontractor Ground Penetrating Radar Systems, LLC (GPRS) to locate utilities throughout the Assessment area prior to performing soil vapor boring activities. GPRS uses detection equipment that incorporates radio waves to identify buried or hidden components within a structure or beneath a surface. Detection is capable at depth up to 8 feet bgs in ideal conditions but maximum effective depth can vary widely based on site and soil conditions. The service is used to identify utility lines of all kinds, irrigation lines, unknown or abandoned pipes, and underground storage tanks. Therefore, in addition to clearing utilities GPRS was instructed to perform a scan of the Assessment area for presence of the solvent and/or fuel oil USTs.

Based on GPRS's scan of the area of the Site presumed to have been the location of the former solvent tanks, the location of the former fill and vent lines was likely identified. Unfortunately, the presence or absence of buried tanks could not be definitively determined with the available equipment.

5.0 LIMITED SUBSURFACE SOIL VAPOR SCREENING ASSESSMENT RESULTS

5.1 SOIL VAPOR SAMPLE RESULTS

The soil vapor data was evaluated using modified indoor air screening levels (MIASLs) using a 0.03 attenuation factor, and risk-based screening levels using an attenuation factor of 0.001.

VOCs were **not detected** above laboratory reporting limits in the ten soil vapor samples collected as part of this Assessment. Soil vapor sample results are summarized in **Table 1**. Laboratory reports and supporting chain-of-custody documentation are included as **Appendix B**.

5.2 UST INVESTIGATION RESULTS

GPRS readings identified two “unknown” or “obstruction” features during its scan of the northern area of the Site. A square “obstruction” was identified in the approximate center of the open area along East Ontario Boulevard, near soil vapor boring SV-2-5. An “unknown” object was detected in the southeast corner of that same open area along East Ontario Boulevard. The “unknown” object was noted as a possible UST based on the proximity to the adjacent buildings, and observations of vent lines on the buildings. GPRS was not able to definitively declare in either case that the identified objects were or were not the solvent or fuel oil USTs of interest. A summary of GPRS findings and an accompanying figure are included as **Appendix C**.

6.0 DISCUSSION

Stantec conducted this Limited Subsurface Soil Vapor Screening Assessment for the Site located at 621-627 South Bon View, Ontario, San Bernardino, California to determine whether VOCs are present in the subsurface at concentrations of potential concern. The potential for impact was identified during preparation of a Phase I ESA for the Site by Stantec in December 2021, which identified the historical use of the Site, amongst other things, as a glass manufacturing facility from at least 1947 to the 2010. The Site was listed as a hazardous waste generator and reportedly contained multiple solvent USTs and a motor oil UST. Additionally, the adjacent property to the southwest was identified as being under active investigation and cleanup for a PCE release to soil vapor and groundwater.

This Assessment consisted of the advancement of ten soil vapor borings to approximately 5.5 feet bgs in areas of potential concern based on findings of the Phase I ESA. A total of ten soil vapor samples were collected for mobile laboratory analysis of VOCs via EPA Method 8260B. VOCs were not detected above laboratory reporting limits in the ten soil vapor samples collected as part of this Assessment.

Based on the Assessment activities completed for the Site, it is our opinion that historical Site and surrounding area activities have not resulted in the release of contaminants to the subsurface above screening concentrations of concern, and that no additional assessment or mitigation is necessary. However, Assessment activities did not definitively determine whether or not the USTs identified during preparation of the Phase I ESA remain on Site. It is our recommendation that any future Site development or earthwork activities in the vicinity of the former tank system location on the 621 South Bon View property be performed under supervision of an environmental professional.

7.0 REFERENCES

Cal-EPA 2011b. Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance), dated October.

Dibblee, T.W. and Minch, J.A. *Geologic Map of the San Dimas and Ontario Quadrangles, Los Angeles and San Bernardino Counties, California*. 2002.

Jennings, C.W. et. al. *Geologic Map of California*: California Geological Survey, Geologic Data Map 2. 2010.

Stantec Consulting Services, Inc.; *Phase I Environmental Site Assessment: Industrial Property, 621 and 627 South Bon View Avenue, Ontario, California;* December 2021.

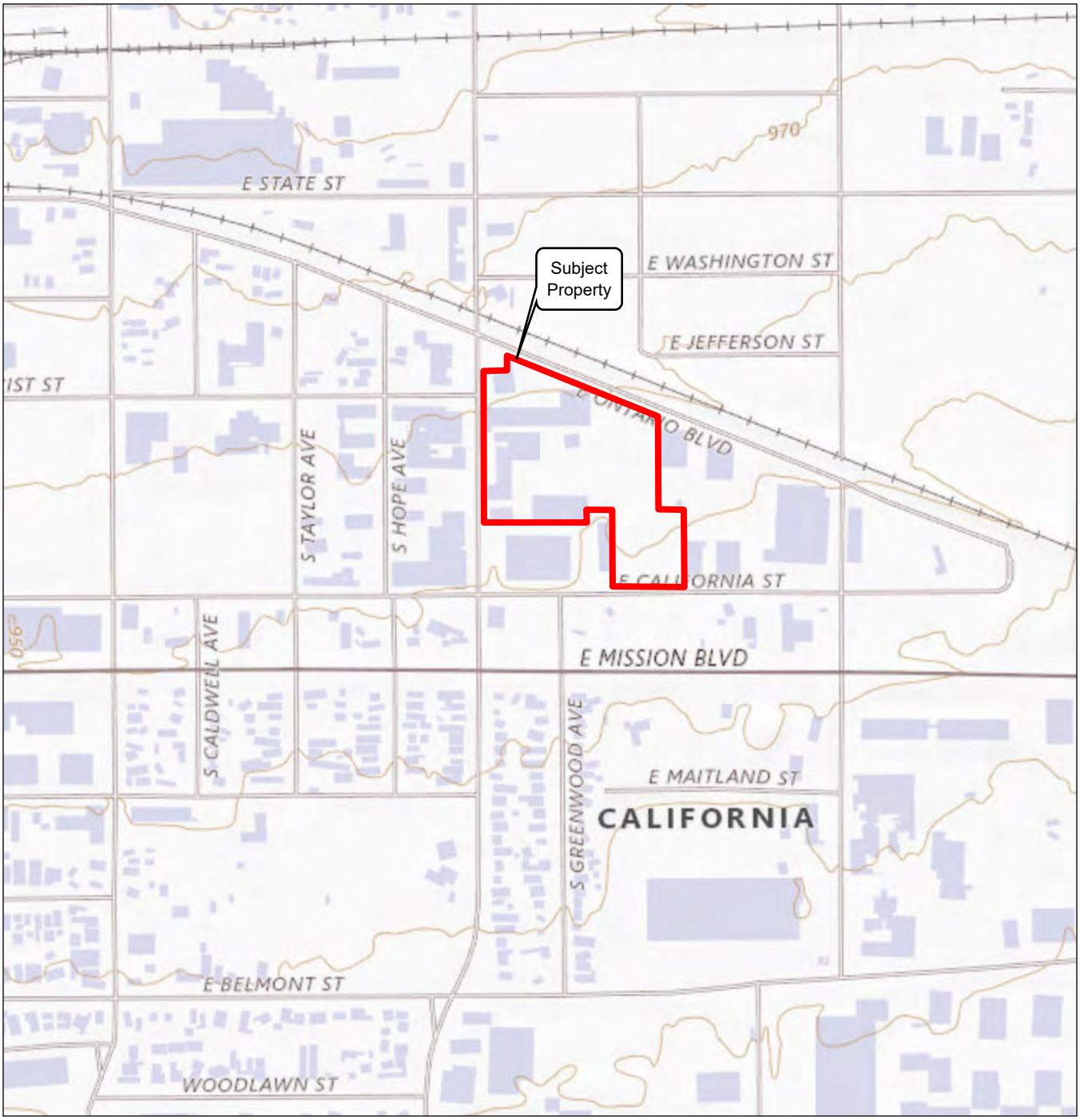
Other materials referenced in this report are included in the Appendices.

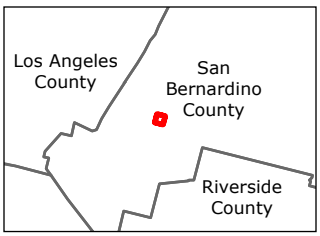
FIGURES

1. Site Location Map

2. Site Detail Map

3. Sample Location Map





Legend

Approximate Subject Boundry

0 500 1,000 Feet

N

(At original document size of 8.5x11)
1:7,200

Notes

1. Coordinate System: NAD 1983 (2011) StatePlane California Zone V FIPS 405 (US Feet)
2. Data Sources: USGS, San Bernardino County
3. Background: USGS 7.5-minute Quadrangle

Stantec

Project Location
T29N, R7W, S29
City of Ontario, San Bernardino Co., CA

Prepared by FT on 2021-12-06
TR by XXX on 2020-XX-XX
IR by XXX on 2020-XX-XX

Client/Project 227703324
WPT Capital Advisors, LLC
627 South Bon View Avenue, Ontario, California 91761
Phase I

Figure No.
1

Title
Site Location Map

V:\227\active\227703324\03_data\gis_cad\gis\pro\WPT Capital Advisors (CA)\WPT Capital Advisors (CA).aprx Revised: 2021-12-06 By: alstone

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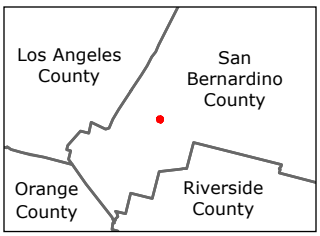

Legend

Approximate Subject Boundry

0 100 200 Feet

(At original document size of 8.5x11)
1:2,400

N

Stantec

Notes
1. Coordinate System: NAD 1983 (2011) StatePlane California Zone V FIPS 405 (US Feet)
2. Data Sources: USGS, San Bernardino County
3. Background: USGS 7.5-minute Quadrangle

Project Location
T116N, R23W, S34
City of Chaska, Carver Co., MN

Prepared by AS on 2021-12-06
TR by XXX on 2020-XX-XX
IR by XXX on 2020-XX-XX

Client/Project 227703198
WPT Capital Advisors, LLC
627 South Bon View Avenue, Ontario, California 91761
Phase I

Figure No.
2

Title
Site Detail Map

V:\227\active\227703324\03_data\gis_cad\gis\pro\WPT Capital Advisors (CA)\WPT Capital Advisors (CA).aprx Revised: 2021-12-06 By: alstone

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TABLES

Soil Vapor Analytical Results Summary

Table 1
Soil Vapor Sample Analytical Results Summary
Limited Subsurface Soil Vapor Screening Assessment
621 and 627 South Bon View Avenue, Ontario, California
Stantec Project No.: 227703324

Parameter	CAS	MIASL 0.03 AF	MIASL 0.01 AF	SV-1-5	SV-2-5	SV-3-5	SV-4-5	SV-5-5	SV-6-5	SV-7-5	SV-8-5	SV-9-5	SV-10-5	DUP
				1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022
Volatile Organic Compounds (VOCs) - µg/m^3														
All analyzed VOCs	Various	Various	Various	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
DUP was collected from SV-5-5
µg/m^3 = parts per billion (ppb)
ND = Not Detected
< = Less than the reporting limit
Bold = detected concentration

MIASL = Modified Indoor Air Screening Levels
AF = Attenuation Factor

APPENDIX A

Previous Environmental Reports

Stantec

Phase I Environmental Site Assessment

Industrial Property
621 and 627 South Bon View Avenue
Ontario, California

File No. 227703324

December 2021

Prepared for:

WPT Capital Advisors
150 South 5th Street
Suite 2675
Minneapolis, Minnesota 55402

Prepared by:

Stantec Consulting Services Inc.
1800 Pioneer Creek Center
Maple Plain, MN 55359

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
INDUSTRIAL PROPERTY
December 2021

This document entitled *Phase I Environmental Site Assessment: Industrial Property, 621 and 627 South Bon View Avenue, Ontario, San Bernadino County, California* was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of WPT Capital Advisors (the "Client"). Any reliance on this document by any third party is strictly prohibited. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

Prepared by _____
(signature)

Alison Creeger
Environmental Scientist

Approved by _____
(signature)

J. Joseph Otte
Principal

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1.0 EXECUTIVE SUMMARY

1.1 PURPOSE AND SCOPE

Stantec Consulting Services Inc. (Stantec) was authorized by Mr. Scott Haugen, Partner – Asset Manager at WPT Capital Advisors, to conduct this Phase I Environmental Site Assessment (ESA).

This ESA was conducted in accordance with the American Society for Testing and Materials (ASTM) Phase I Environmental Site Assessment Process, Designation E-1527-13 (ASTM Phase I Standard) and satisfies standards and practices set forth in 40 CFR Part 312 – Standards for Conducting All Appropriate Inquiry (AAI Rule) for the purposes of meeting the all appropriate inquiries provisions necessary to qualify for certain landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. § 9601(35)(B).

1.2 SUBJECT PROPERTY

The Subject Property is located at 621 and 627 South Bon View Avenue, Ontario, San Bernardino County, California.

1.3 CONCLUSIONS

This ESA has identified the following *recognized environmental conditions* (RECs) relative to the Subject Property:

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- The two solvent and one fuel oil underground storage tanks (USTs) on the Subject Property are considered RECs based on the age of the tanks and their unknown status.
- Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, is considered a REC based on the identified tetrachloroethylene (PCE) and trichloroethylene (TCE) plume in both soil vapor and groundwater.

This ESA has identified no evidence of *controlled recognized environmental conditions* (CRECs) or *historical recognized environmental conditions* (HRECs) in connection with the Subject Property.

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2.0 PURPOSE AND SCOPE

2.1 PURPOSE

Stantec was authorized by Mr. Scott Haugen, Partner – Asset Management at WPT Capital Advisors, to conduct this Phase I ESA of the property and improvements located at 621 and 627 South Bon View Avenue, Ontario, San Bernardino County, California; the Subject Property. The Subject Property consists of 10.05 acres with five light industrial buildings, one office building, paved parking and outdoor material storage. Access to the Subject Property is from South Bon View Avenue. The Subject Property location is depicted in **Figure 1**. A Site Detail Map of the Subject Property is included as **Figure 2**.

The conclusions contained in this report have been made to assist WPT Capital Advisors in evaluating environmental conditions at the present time at the Subject Property. In addition, the report is intended to satisfy the requirements of "all appropriate inquiry… consistent with good commercial or customary practice" referenced in the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. § 9601(35)(B).

2.2 SCOPE

This ESA was prepared in accordance with the ASTM Phase I Standard and AAI Rule to identify, to the extent feasible and in accordance with the processes described herein: recognized environmental conditions, controlled recognized environmental conditions, and historical recognized environmental conditions in connection with the Subject Property.

As defined in ASTM E 1527-13, the term *recognized environmental condition* (REC) means "the presence or likely presence of any hazardous substances or petroleum products in, on or at a property: (1) due to a release to the environment; (2) under conditions of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." Additionally, though not specifically defined in ASTM E1527-13, Stantec considers the presence of a *vapor encroachment condition* to be a REC.

As defined in ASTM E1527-13, the term *controlled recognized environmental condition* (CREC) means "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls."

As defined in ASTM E1527-13, the term *historical recognized environmental condition* (HREC) means "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls."

As defined in ASTM E1527-13, the term *business environmental risk* means "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or

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planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."

A summary of the general scope of work for this project is described in the following tasks:

- **Task I. Records Retrieval and Review of Records:** Stantec obtained publicly available, practically reviewable and reasonably ascertainable federal, state, county and city information about the Subject Property and other properties within minimum established search distances of the Subject Property. These sources were searched for any information about RECs, CRECs, HRECs or business-related environmental risks relative to the Subject Property. This search included a review of Superfund sites; waste treatment, storage and disposal facilities regulated under RCRA; spills or discharges of hazardous substances, toxic materials or petroleum products; and known or recorded landfills; and/or well databases.

- **Task II. Site Reconnaissance:** Stantec visually inspected the Subject Property to evaluate the Subject Property for RECs, CRECs, HRECs and business-related environmental risks. The structures and grounds of the Subject Property were observed for filling, subsidence, unusual land or surface forms, colorations, odors, indications of dumping, and evidence of suspect environmental features on the Subject Property such as tanks, drains, drywells, etc. Observations pertaining to adjacent property use were also recorded where such observations pertained to RECs, CRECs, HRECs or business-related environmental risks relative to the Subject Property.

- **Task III. Interviews of People with Knowledge of the Subject Property**: Stantec interviewed people with knowledge of the history of the Subject Property and of the surrounding properties. Interviews were completed in order to obtain information pertaining to RECs, CRECs or HRECs relative to the Subject Property. Interviewees included the Subject Property owner(s) and occupant(s), as well as local government officials.

  Data gathered in the course of performing the above three tasks was used in concert to determine if information from one source indicated the need for additional information from another source.

- **Task IV. Reporting:** Stantec completed this Phase I ESA by combining the information retrieved through data searches with the observations that were made during the Subject Property reconnaissance and interviews. Photographs were taken to document the overall status and current use of the Subject Property and specific areas of concern.

Deviations from the scope described in the ASTM Phase I Standard are identified in Section 2.3.

2.3 DEVIATIONS

No intentional deviations from the ASTM Phase I Standard were made in preparing this report.

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2.4 LIMITATIONS AND EXCEPTIONS

The results of this study, performed by Stantec, are based on the scope of work defined in Section 2.2, subject to any project-specific limitations or project-specific additional non-scope considerations described herein.

- Two buildings were secured and could not be accessed at the time of the site reconnaissance (the office building at 621 South Bon View and a garage-type structure called the Fleet Warehouse in the central portion of the Subject Property).
- Additionally, two portions of the Subject Property were secured by perimeter fencing and could not be accessed at the time of the site reconnaissance (the yard behind 621 South Bon View and the unpaved area at the southeast portion of the Subject Property).

As is the case with any investigation of finite scope, this review is intended to reduce, but cannot eliminate, the uncertainty regarding the potential for RECs, CRECs or HRECs in connection with the Subject Property. Therefore, the possibility of the presence of some localized substances that may be classified as hazardous cannot be ruled out completely. However, it is Stantec's opinion that the conditions observed at the Subject Property are representative of existing conditions at the time of the site reconnaissance.

2.5 SIGNIFICANT ASSUMPTIONS

Stantec assumes that WPT Capital Advisors and any interviewed parties have provided accurate information that will assist Stantec in determining appropriate inquiry, including but not limited to actual knowledge, previously prepared reports, environmental cleanup liens and title review information. In addition, Stantec assumes, for the purposes of the site reconnaissance, adequate information has been provided to accurately establish the physical boundaries of the real property being evaluated.

2.6 SPECIAL TERMS AND CONDITIONS

The purpose of this report is to aid in the environmental assessment of the Subject Property and not to evaluate the structural condition of buildings or other features of the Subject Property.

Stantec has performed its work in a manner consistent with the care and skill ordinarily exercised by members of the environmental profession. The conclusions contained in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted engineering practices at this time and location. Stantec does not offer any form of warranty or guarantee that the Subject Property contains no hazardous substances, pollutants or contaminants.

Stantec assumes no responsibility for the accuracy of information that was obtained from other sources, including, without limitation, regulatory and government agencies, persons knowledgeable about the Subject Property, persons knowledgeable about adjacent properties and vendors of public practice.

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2.7 USER RELIANCE

This report has been prepared solely for the information and use of WPT Capital Advisors. Others wishing to rely on the findings of this report, not having a contractual relationship with Stantec, do so without permission and at their own risk. Our professional recommendations made to the addressee(s) are exclusive to that party's disclosed intended or proposed consideration with respect to the Subject Property at the present time.

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3.0 SITE DESCRIPTION

3.1 USE OF SUBJECT PROPERTY

The Subject Property is located in an industrial area in the City of Ontario, California.

Site Address/Location	**Address:** 621 and 627 South Bon View Avenue		**City:** Ontario
	County: San Bernardino		**State:** California
	Township:	**Range:**	**Section:**
	1 North	7 West	Portion of the E ½ of 29
Property Information	**Size:** 10.06 acres		
	Property Identification Number:		
	1049181140000		
Improvements	The Subject Property has five light industrial buildings/ warehouses, one office building and paved parking and outdoor material storage.		
Building Information	**Size:**		**Year of Construction:**
	Industrial building 1 (southern): approximately 20,000-square feet		2000
	Industrial building 2 (north-central): approximately 33,080-square feet		1956
	Industrial building 3 (centrally located): approximately 21,743-square feet		1947
	Industrial building 4 (northeast): approximately 2,480-square feet		1956
	Industrial building 5 (south-central): approximately 1,152-square feet		1959
	Office building: approximately 5,107-square feet		1959
	Description:		
	The buildings are generally re-purposed structures used for storage of tenant-owned cars, RVs, mobile homes, boats, trailers and trucks.		
Use of the Property	**Current Use:**		
	The Subject Property is in use as a storage facility for cars, RVs, mobile homes, boats, trailers and trucks.		
	Past Use: According to reviewed sources of information, the Subject Property was developed with a portion of a road from at least 1897 to 1903. The Subject Property was fully agricultural cropland from at least 1933 to 1947 when the first building was constructed on the Subject Property. The remainder of the existing		

	buildings were constructed in 1956 (two buildings), 1959 (two buildings and 2000 (one building). Past occupants of the Subject Property include ABC Windows Co. and Production Augers Inc., Bestile Manufacturing, AVR Express and Shamrock Paving.
Ownership and Operation of the Property	**Current Ownership & Operation:** The Subject Property is owned and occupied by Fleet RV & Boat Storage LLC.

3.2 CURRENT USE OF ADJOINING PROPERTIES

The following land uses were noted on adjoining properties:

Direction	Description
North	Ontario Access Center and vacant land (beyond East Ontario Boulevard and railroad tracks)
East	Onsite Truck & Equipment Repair shop and Patton's Steel Corporate Offices
South	Foam Zone Inc. recycling center
West	I. E. Automotive repair, Lynwood Pattern Service, Inc. aluminum casting, Primos Cylinder Head Inc. machine shop (beyond South Bon View Avenue)

3.3 PHYSICAL SETTING

3.3.1 Topography

The Subject Property is generally sloping south and is at an elevation ranging from 940 to 950 feet above mean sea level. Site surface drainage is to the south toward the municipal stormwater sewer system associated with East California Street. Historic development may have included grading or filling of the Subject Property to improve the location for construction and drainage.

3.3.2 Geology

Published references describe the surficial geology at the Subject Property as alluvial gravel and sand of valley areas (Dibblee, 2002).

Shallow bedrock in the vicinity of the Subject Property consists of alluvium, lake, playa and terrace deposits (Jennings, 2010).

3.3.3 Hydrogeology

The general direction of regional groundwater flow in the area of the Subject Property is presumed to be to the southeast toward the Santa Ana River. Local conditions may vary due to surface water features,

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perched groundwater conditions or artificially created drainage systems. Depth to water was estimated to be between 380 and 390 feet below ground surface (SWRCB reviewed files in Section 5.1.2).

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4.0 USER PROVIDED INFORMATION

4.1 REASON FOR PERFORMING PHASE I ESA

This Phase I ESA is being performed as a component of due diligence activities and to determine whether RECs, CRECs or HRECs affect the Subject Property.

4.2 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

The Subject Property is owned and occupied by Fleet RV & Boat Storage LLC. The Subject Property Representative, Ms. Deb O'Connell provided access and a tour of the Subject Property.

4.3 TITLE RECORD INFORMATION

A title commitment record for the Subject Property was not provided to Stantec during preparation of this Phase I ESA, and a title search was not within the scope of this ESA.

4.4 USER QUESTIONNAIRE

An All Appropriate Inquiries User Questionnaire was completed by Mr. Scott Haugen, Partner – Asset Manager at WPT Capital Advisors, to establish the User's knowledge of environmental condition of the Subject Property. The following sections include the information obtained from the completed User Questionnaire, which is included in **Appendix A**.

4.4.1 Environmental Liens or Activity and Use Limitation

No independent review of environmental liens was undertaken by Stantec as a part of this scope of work. No activity and use limitations were disclosed to Stantec during preparation of this ESA.

4.4.2 Specialized Knowledge

No prior assessments were provided to Stantec at the outset of this scope of work.

4.4.3 Commonly Known or Reasonably Ascertainable Information

Commonly known or reasonably ascertainable environmental information was found relevant to this study, which is discussed throughout this ESA.

4.4.4 Valuation Reduction for Environmental Reasons

No valuation reduction for environmental reasons was disclosed at the outset of this study.

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5.0 RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD RESOURCES

Stantec requested and reviewed a search of files from federal and state databases from GeoSearch for the Subject Property (the GeoSearch Radius Report). Files were searched from Federal and State environmental records databases within minimum search distances as specified in the ASTM Phase I Standard, and the GeoSearch Radius Report included a more extensive database list than those minimally identified as required by the ASTM Phase I Standard. A summary of the sites identified in the GeoSearch Radius Report are discussed below, along with information regarding the significance of the listing for the Subject Property. The GeoSearch Radius Report, which contains more information regarding database descriptions and search distances, is included in **Appendix B**.

5.1.1 Subject Property

The Subject Property **was** identified on the following reviewed regulatory databases in the GeoSearch Radius Report:

- Resource Conservation & Recovery Act – Generator Facilities (RCRAGR09)
- RCRA – Non-Generator Facilities (RCRANGR09)
- Hazardous Waste Tanner Summary (HWTS) – 4 listings
- San Bernardino County Hazardous Site Listing (SBFD)
- Historical Underground Storage Tanks (HISTUST)
- Facility Registry System (FRSCA) – 3 listings
- Enforcement Compliance and History Information (ECHOR09) – 2 listings

The RCRAGR09, HWTS and SBFD and listings identifies ABC Products as an active small quantity generator of hazardous waste. The HWTS specifically identifies off-specification, aged or surplus organics, organic solids, unspecified oil-containing waste, unspecified organic liquid mixture, unspecified aqueous solutions and an unspecified solvent mixture between 1993 and 2007.

The RCRANGR09 and HWTS databases identify Shamrock Paving as a former generator of unspecified oil-containing waste, latex waste, other organic solids and waste oil/ mixed oil in 2016 and 2017.

Additionally, the HWTS database identifies SC Fuels as a hazardous waste generator in 2015 for unspecified oil-containing waste and Fleet RV & Boat Storage as a hazardous waste generator in 2009 and 2010 for unspecified oil-containing waste and other organic solids.

The HISTUST database listing identifies a 4,000-gallon solvent UST (installation date unknown), a 2,000-gallon solvent UST (installed 1960) and a 500-gallon motor vehicle UST (installation date unknown) located on the Subject Property. The two dates that do not list an installation date are likely prior to the third tank in 1960. The three tanks are identified as single-walled with no vaulting.

The FRSCA and ECHOR09 listings are associated with the database listings discussed above.

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While there is no identified release or violations, due to the prolonged use of hazardous materials, including solvents, the hazardous waste generator licenses and USTs are considered RECs for the Subject Property. Specifically due to the age and construction of the USTs.

Stantec did not review State/County/City files for these database listings because sufficient information was available from other sources to determine the potential for RECs, CRECs and/or HRECs at the Subject Property.

5.1.2 Surrounding Properties

Additional mapped sites of regulatory interest identified within the search radii defined by the ASTM Phase I Standard, as identified in the GeoSearch Radius Report, include the following:

Number of Sites	Regulatory Database	Comments
5	RCRAGR09 sites	The RCRAGR09 database identifies regulated facilities currently licensed to generate hazardous waste with the Environmental Protection Agency (EPA). Inter Tractor located at 921 East California Street, adjacent south, is listed as a small quantity generator of hazardous waste. Based on the lack of violations, this listing is not considered a REC for the Subject Property. Glenco Manufacturing located at 716 South Bon View Avenue, adjacent west, is listed twice as a small quantity generator of hazardous waste. Based on the lack of violations, this listing is not considered a REC for the Subject Property. Alger Manufacturing Company, Inc. located at 724 South Bon View Avenue, adjacent southwest, is listed as a small quantity generator of tetrachloroethylene (PCE). This site is associated with a PCE discussed below in the SEMARCH database below. Based on the distance from the Subject Property and lack of violations, the last RCRAGR09 listing is not considered a REC for the Subject Property.
25	RCRANGR09 sites	RCRANGR09 listings are sites listed by the EPA as a former generator of hazardous waste. Various adjacent properties are listed as former hazardous waste generators. The type of waste produced is not identified and no violations are identified. These listings, plus the remaining listings due to distance, are not considered RECs for the Subject Property.
1	RCRA – Subject to Corrective Action Facilities (RCRAC) site	The RCRAC database includes facilities with corrective action activity regarding hazardous waste on site.

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Number of Sites	Regulatory Database	Comments
		The RCRAC listing is located approximately 0.57 miles from the Subject Property. Based on the distance, this listing is not considered a REC for the Subject Property.
1	Superfund Enterprise Management System (SEMS) site	The SEMS database maintains record of clean-up and enforcement activities taking place at superfund sites. Certified Towing Abandoned Drums located at 1135 East State Street, approximately 0.26 miles northeast, is listed as a Superfund program site no longer listed on the National Priority List (NPL). Due to the distance and sidegradient location with respect to the presumed shallow groundwater flow direction, this listing is not considered a REC for the Subject Property.
4	SEMS Archived Site Inventory (SEMSARCH) sites	The SEMSARCH database has replaced the CERCLIS reporting system in 2015. This database reflects sites that have been assessed and no further remediation is planned and is of no further interest under the Superfund program. Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, is an archived Superfund program site. In 1981, the City of Ontario inspectors observed a heavy accumulation of oil throughout the buildings. Oil USTs were also noted to be installed without proper permits. Soil samples collected in 1992 identified PCE to a depth of 30 feet below ground surface near a PCE sump and parts washing area. The highest concentration of PCE was 40,000 ppm. In 1999, soil vapor sampling was conducted, which elevated PCE and trichloroethylene (TCE). In 2000, a soil vapor extraction (SVE) system was installed. In 2007, a groundwater monitoring well was installed to 343 feet below ground surface. Groundwater samples from 2008 and 2009 detected PCE and TCE. Two additional groundwater monitoring wells were installed in 2011 along with vapor monitoring probes. Soil vapor and groundwater is monitored on a semiannual basis. A 2018 vapor report identifies the sub-slab sample collected from the southeast corner of the building, at the intersection of East California Street and South Bon View Avenue, identified PCE at 54,000 micrograms per meter cubed ($\mu g/m^3$). The PCE detected in the northeast corner of the building (closest to the Subject Property) was measured at 100 $\mu g/m^3$. Vapor impacts significantly increase further west on the site, closer to the former sump. Additionally, of 12 indoor air samples collected in 2018, ten samples detected PCE above the DTSC screening level. The site remains active with the last reported activity was a Work Plan for additional soil vapor extraction wells submitted to

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Number of Sites	Regulatory Database	Comments
		the SWRCB on February 14, 2020. Based on the proximity to the Subject Property and lack of delineated vapor plume, this listing is considered a REC for the Subject Property. Based on the location and distance from the Subject Property, the remaining three listings are not considered RECs for the Subject Property.
5	ECHOR09 sites	The ECHOR09 database includes facilities regulated as Clean Air Act stationary sources, Clean Water Act direct dischargers, Resource Conservation and Recovery Act hazardous waste handlers, and Safe Drinking Water Act public water systems. A listing in the ECHOR09 database, by itself, is not indicative of a release or a material threat of release of petroleum products or potentially hazardous substances at the facility.
5	FRSCA sites	The FRSCA database includes pointers to other databases and facilities that identifies facilities, sites or places subject to environmental regulations or of environmental interest. A listing in the FRSCA database, by itself, is not indicative of a release or a material threat of release of petroleum products or potentially hazardous substances at the facility.
1	Integrated Compliance and Information System (ICIS) site	The ICIS database (formerly DOCKETS) tracks civil, judicial and administrative federal Environmental Protection Agency enforcement cases. Universal Core Inc. located at 1075 East California Inc., adjacent east, is listed for an administrative – informal violation issued on October 5, 2017. Due to the administrative type of violation, this listing is not considered a REC for the Subject Property.
3	ICIS National Pollution Discharge Elimination System (ICISNPDES) sites	The ICISNPDES identifies permits for point source dischargers of pollutants into waterways regulated by the EPA. Foam Zone Inc. located at 945 East California Street, adjacent south, and January Transport Inc. and Universal Core Inc. located at 1075 East California Street, adjacent east, are listed for non-potable water, minor discharger permits. The permits are listed as in compliance. Due to the lack of violations, these listings are not considered RECs for the Subject Property.

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Number of Sites	Regulatory Database	Comments
1	Formerly Used Defense (FUDS) site	The FUDS inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdictions, as well as Munitions Response Areas. The Ontario Army Airfield, located approximately 0.50 miles east, is listed as approximately 875 acres of a military airport. Based on the lack of manufacturing activities associated with the airport, this listing is not considered a REC for the Subject Property.
3	Aboveground Storage Tanks (ABST) sites	The ABST database contains aboveground storage Tanks (ABSTs) registered with the California Environmental Protection Agency's (CalEPA) since 2008. ABST sites are not necessarily indicative of a release or a material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor conditions at the Subject Property.
5	HISTUST sites	The HISTUST database identifies historical USTs registered with the State Water Resources Control Board (SWRCB) between 1984 and 1987. HISTUST sites are not necessarily indicative of a release or a material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor conditions at the Subject Property. Leaking USTs are discussed in the LUST database below.
5	Statewide Environmental Evaluation and Planning System (SWEEPS) sites	The SWEEPS database identifies active and inactive USTs registered with the SWRCB. SWEEPS sites are not necessarily indicative of a release or a material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor conditions at the Subject Property. Leaking USTs are discussed in the LUST database below.
1	Underground Storage Tanks (USTCUPA) site	The USTCUPA database is maintained by the California SWRCB and contains listings of permitted USTs. USTCUPA sites are not necessarily indicative of a release or a material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor conditions at the Subject Property. Leaking USTs are discussed in the LUST database below.
5	CALSITES Database (CALSITES) sites	The CALSITES database is maintained by the California Department of Toxic Substances Control (DTSC) and contains information on Brownfield properties with confirmed or potential hazardous contamination through 2006.

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Number of Sites	Regulatory Database	Comments
		Alger Manufacturing Co. is discussed in more detail in the SEMSARCH database above. Based on the distance and location from the Subject Property, the remaining four listings are not considered RECs for the Subject Property.
13	GeoTracker Cleanup (CLEANUPSITES) sites	The CLEANUPSITES database identifies sites with impacted groundwater or potential to impact groundwater as identified by the SWRCB. These include listings from other databases including leaking tanks, Department of Defense cleanup and others. The CLEANUPSITES listings are associated with LUST listings discussed below.
8	Leaking Underground Storage Tanks (LUST) sites	The LUST database is maintained by the SWRCB and identifies leaking USTs. The LUST listings are located over 0.14 miles from the Subject Property with soil as the listed potential affected media. The LUST listings have also been granted regulatory closure. Therefore, these listings are not considered RECs for the Subject Property.
2	Voluntary Cleanup Program (VCP) sites	The VCP database includes a list of Voluntary Cleanup Sites maintained by the California DTSC. Ontario Metal Recycling located at 717 South Taylor Avenue, approximately 0.12 miles west, is listed as a scrap metal site with soil impacts of benzene, halogenated solvents and polychlorinated biphenyl (PCBs). Soil removal was conducted in the 1980s. However, additional investigation starting in 2004 identified additional areas of soil contamination on site. In 2017, approximately 307-tons of lead impacted soil was excavated and disposed of at a certified landfill. On January 19, 2018, The DTSC granted No Further Action. Based on the impacts confined to the soil, this listing is not considered a REC for the Subject Property. Based on the distance and location from the Subject Property, the remaining listing is not considered a REC for the Subject Property.
12	ENVIROSTOR Cleanup (ENVIROSTOR) sites	The ENVIROSTOR database is maintained by the California DTSC track sites with confirmed or potential contamination where further investigation is necessary. The listings in the ENVIROSTOR database are associated with other cleanup databases discussed further in this table.

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Number of Sites	Regulatory Database	Comments
1	ENVIROSTOR Permitted and Corrective Action (ENVIROSTORPCA) site	The ENVIROSTORPCA database is maintained by the California DTSC and contains information on hazardous waste sites. The ENVIROSTORPCA listing is located over 0.57 miles from the Subject Property. Based on the distance, this listing is not considered a REC for the Subject Property.
2	National Pollutant Discharge Elimination System Facilities (NPDES) sites	The NPDES database identifies active, historical and terminated NPDES permits maintained by the SWRCB. The NPDES listings are associated with the ICISNPDES listings discussed above.
2	HWTS sites	The DTSC maintains a list of hazardous waste manifests in the HWTS database. The HWTS listings are associated with RCRANGR09 sites discussed above.
1	Dry Cleaner Facilities (CLEANER) site	The DTSC maintains a list of dry cleaner facilities that are registered with the EPA. PW Repairs Inc. located at 1064 East California Street, adjacent east, is listed as an inactive cleaner site. The DTSC profile for the site identifies hazardous waste was produced in 2015 and 2018. Due to the minor generation of hazardous waste, this listing is not considered a REC for the Subject Property.
2	Spills, Leaks, Investigation & Cleanup Recovery Listing (SLIC) sites	The SLIC database is maintained by the California Regional Water Quality Control board (RWQCB) and contains listings of Spills, Leaks and Investigation Cleanup & Recovery sites. The two listings are associated with the Alger Manufacturing site discussed above.
11	Historical CORTESE List (HISTCORTESE) sites	The HISTCORTESE database identifies hazardous waste and substance release sites designated by the California SWRCB, Integrated Waste Board and the California DTSC. The HISTCORESE sites are associated with listings discussed above.
1	Listing of Certified Drop-off, Collection, and Community Service Programs (DROP) site	The DROP database identifies non-buyback sites under the California's Beverage Container Recycling Program. Based on the type of database, this listing on its own is not indicative of a release or material threat of release to the Subject Property. Therefore, this listing is not considered a REC for the Subject Property.

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Number of Sites	Regulatory Database	Comments
1	Listing of Certified Processors (PROC) site	The PROC database identifies certified processors under the California's Beverage Container Recycling Program. Based on the type of database, this listing on its own is not indicative of a release or material threat of release to the Subject Property. Therefore, this listing is not considered a REC for the Subject Property.
1	No Further Action Determination (NFA) site	The NFA database is maintained by the DTSC and identifies sites where a Phase I ESA was completed and resulted in a no action required determination. Ontario Metal Recycling, located 0.12 miles west, is listed for a NFA letter. Based on the regulatory status, this listing is not considered a REC for the Subject Property.
5	Recycling Centers (SWRCY) sites	The SWRCY database is maintained by the California Department of Resources Recycling and Recovery and identifies certified recycling centers. Based on the type of database, these listings on their own are not indicative of a release or material threat of release to the Subject Property. Therefore, these listings are not considered RECs for the Subject Property.
5	Referred to Another Local or State Agency (REF) sites	The REF database is maintained by the California DTSC and contains listings of sites where contamination has not been confirmed and have been referred to another state or local regulatory agency. REF sites are associated with listings discussed in databases above.
55	SBFD sites	The SBFD database identifies permitted hazardous waste sites maintained by the San Bernardino County Fire Department. The SBFD sites are associated with RCRAGR09 or RCRANGR09 sites discussed above or based on the distance from the Subject Property are not considered RECs for the Subject Property.
1	San Bernardino County Medical Waste (SBMW) site	This is a list of medical waste facilities maintained by the County of San Bernardino Environmental Health. Listings in the SBMW database are not necessarily indicative of a release or a material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor conditions at the Subject Property. Therefore, these listings are not considered RECs for the Subject Property.

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Three unmapped sites were identified in the GeoSearch Radius Report. Unmapped sites are those where address information is insufficient to allow the sites to be accurately mapped by GeoSearch. Stantec was able to ascertain that none of the unmapped sites were directly associated with or directly adjacent to the Subject Property. Based on location and/or database listings, these sites are not considered a threat to soil, groundwater or soil vapor conditions at the Subject Property, and, therefore, are not considered to represent RECs for the Subject Property.

Stantec reviewed the following State/County/City files to determine the potential significance of these database listings relative to the Subject Property:

- DTSC #36990004 for Ontario Metal Recycling
- SWRCB # SL208413896 for Alger Manufacturing Co.

5.2 ADDITIONAL RECORD SOURCES

Additional record sources may be consulted when, in the judgment of the Environmental Professional, such additional records are reasonably ascertainable, sufficiently useful, accurate and complete, and are generally obtained pursuant to good commercial and customary practice. Such records may include local brownfield lists, or other local lists similar to those federal, state and tribal lists. Such sources may include local health or environmental departments, fire departments, planning departments, building permit or inspection departments, and other local pollution, water quality or utility companies.

5.2.1 San Bernardino County Tax Information

San Bernardino County tax information was obtained and reviewed from the San Bernardino County tax assessor's website. Tax records provide publicly available information about the Subject Property. The tax records did not reveal additional information with respect to the environmental condition of the Subject Property.

The San Bernardino County tax information is included as **Appendix C**.

5.2.2 Local Building Records Review

Local building records were not obtained as other sources provided adequate information to building construction.

5.3 HISTORICAL USE INFORMATION

5.3.1 Aerial Photographs

Aerial photographs were reviewed from 1938, 1946, 1948, 1952, 1966, 1968, 1974, 1976, 1980, 1985, 1994, 2005, 2009, 2012 and 2018 The aerial photographs are presented in **Appendix D**.

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Year	Description
1938-1946	The 1938 and 1946 aerial photographs show the Subject Property agricultural cropland. There appears to a slight overflow of outdoor material storage on the northwest corner of the Subject Property from the adjacent property. One structure is adjacent northwest, a road and agricultural cropland is adjacent west, agricultural cropland is adjacent south and east, and a road, railroad tracks and residential dwellings are adjacent north.
1948-1952	The 1948 and 1952 aerial photographs show one structure constructed on the western portion of the Subject Property. The remainder of the Subject Property no longer appears to be in agricultural use. Commercial/ industrial development begins south and west of the Subject Property.
1966-1994	The resolution is poor on the 1974, 1976, 1984aerial photographs and details cannot be determined. The remainder of the aerial photographs show four additional structures have been constructed on the Subject Property, totaling five structures. Outdoor material storage and parking is visible surrounding the buildings. Commercial/ industrial development increases surrounding the Subject Property.
2005-2018	The 2005 through 2018 aerial photographs show an additional structure constructed on the southern portion of the Subject Property, totaling six structures. The majority of residential dwellings north of the Subject Property have been razed and the lots remain vacant. Commercial/ industrial development increases east of the Subject Property.

5.3.2 City Directories

City directories were researched for the Subject Property and surrounding properties. The streets researched were South Bon View Avenue and Ontario Boulevard and directories were available for the years 1964, 1971, 1976, 1981, 1986, 1991, 1996, 2001, 2006 and 2011. The city directories are included as **Appendix E**. Listings for the addresses of the Subject Property (621 and 627 South Bon View Avenue) consist of the following:

Directory Year	Subject Property Listing
1964-1986	621: Bestile Manufacturing Corp.
1991	621: ABC Products Co.
1996	621: ABC Products Co. and Production Augers
2001	621: ABC Windows Co. and Production Augers Inc.
2006	621: ABC Windows Co.

Directory Year	Subject Property Listing
2011	621: AVR Express and ABC Windows 627: Fleet RV & Boat Storage

Other listings of interest in the vicinity of the Subject Property include:

- 402 South Bon View Avenue: Nicks Auto Body (1991); Franco Automotive (2006)
- 404 South Bon View Avenue: Nick's Auto Body (1996)
- 406 South Bon View Avenue: M & H Body Shop & Paint (2006)
- 408 South Bon View Avenue: Clean Machine (1986, 1991); A & I Auto Body Repair (1996); Jim's Auto Detail (2001); MBA Auto Body & Paint (2006)
- 409 South Bon View Avenue: Stokes Machine Co. (1981); Auto Repair Olivero (1991); Rafaell's Appliance Repair (1996, 2001); Taraumara Auto Repair (2006); Castro's Brake & Suspension (2011)
- 410 South Bon View Avenue: California Tool & Die Co. (1981, 1986); Jesse Auto Paint Shop (1996, 2001); Super Mario S Welding (2006)
- 420 South Bon View Avenue: Barr Manufacturing (1991); Gurrola's Paint Shop (1996)
- 424 South Bon View Avenue: ACRI Tech Plastics (1981-1991); Medina's Auto Body Shop (1996-2011)
- 614 South Bon View Avenue: Alum Alloy Co. (1964-1986)
- 724 and 728 South Bon View Avenue: Alger Manufacturing Co. (1964-2011)

5.3.3 Historical Maps

The Cucamonga, California and Ontario, California USGS 15-minute series topographic maps dated 1897, 1900, 1903 1954; and the Ontario, California, and Guasti, California USGS 7.5-minute series topographic maps dated 1933, 1942, 1954, 1967, 1973, 1981, 2009, 2012 and 2015 show the area of the Subject Property.

The 1897 through 1903 topographic maps show a road bisecting the central portion of the Subject Property, aligned north-south. There are no structures on the Subject Property or adjacent properties.

The 1933 and 1942 topographic maps no longer depict the road on the Subject Property. There are no structures or other items depicted on the Subject Property. A road and railroad tracks are adjacent north and roads are adjacent west and south.

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The 1954 map shows one structure on the western portion of the Subject Property. Structures are adjacent west and south.

The 1967 map shows a total of five structures on the west-northwest portion of the Subject Property.

The 1973 and 1981 maps show an additional structure (total of six) constructed on the Subject Property.

The 2009 through 2015 topographic maps do not show structures, by design, just roadways and natural features.

The historical maps are included as **Appendix F**.

5.3.4 Fire Insurance Maps

A search was conducted to determine if fire insurance maps were available for the Subject Property. Fire insurance maps were created for insurance underwriters and often contain information regarding the uses of individual structures and the locations of fuel and/or chemical storage tanks that may have been on a particular property.

According to Historical Information Gatherers, Inc. (HIG), fire insurance map coverage is not available in the research materials searched for the Subject Property. HIG fire insurance map research documentation is included as **Appendix G**.

5.4 PREVIOUS ENVIRONMENTAL REPORTS

Previous environmental reports were not provided to Stantec during preparation of this Phase I ESA.

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6.0 SUBJECT PROPERTY

6.1 SUBJECT PROPERTY OBSERVATIONS

Mr. J. Joseph Otte of Stantec conducted a site reconnaissance on December 17, 2021. Mr. Otte was accompanied at the time of the site reconnaissance by Ms. Deb O'Connell, an employee of the owners. Stantec staff visually observed the Subject Property to identify current land use, obtain evidence of past uses, and to identify surface characteristics of the Subject Property for the presence of RECs, CRECs or HRECs. Subject Property photographs are included in **Appendix I**.

The site reconnaissance consisted of visually observing the Subject Property for evidence of environmental impacts. Stantec staff observed (from the Subject Property boundaries) the adjoining properties for evidence of RECs, CRECs or HRECs, and for indications of past and current land use.

The Subject Property is an irregular-shaped parcel with a number of commercial/industrial buildings that have been repurposed for use for storage (see photographs 1-10). Access to the Subject Property is from South Bon View Avenue. Access is through several secured gates that can be opened remotely by facility employees or by access card or code provided to parties who store recreational vehicles or boats at the Subject Property (see photos 11 and 12). As referenced elsewhere, the buildings are generally used to store cars, trucks, boats and trailers (see photos 13-16).

Portions of the Subject Property appear to have been relatively recently re-paved (see photograph 17). There is an area at the southeast portion of the Subject Property that is unpaved and has been used for outdoor storage by a construction company (see photograph 18). This portion of the Subject Property was secured and could not be accessed at the time of the site reconnaissance.

6.1.1 Materials Management

Very few materials are managed at the Subject Property. No vehicle or equipment maintenance of vehicles or boats is allowed to be performed by tenants. Some minor maintenance materials were noted.

6.1.2 Solid and Hazardous Waste Management

Vendor-maintained dumpsters were noted at the facility to manage solid waste prior to regular collection (see photograph 19). Some residual equipment was noted at the Subject Property, including equipment historically used in glass or window manufacture (see photograph 20). Presumably, much of this material is solid waste or, possibly, may have some salvage value.

The RCRAGR09, HWTS and SBFD and listings identifies ABC Products as an active small quantity generator of hazardous waste. The HWTS specifically identifies off-specification, aged or surplus organics, organic solids, unspecified oil-containing waste, unspecified organic liquid mixture, unspecified aqueous solutions and an unspecified solvent mixture between 1993 and 2007.

The RCRANGR09 and HWTS databases identify Shamrock Paving as a former generator of unspecified oil-containing waste, latex waste, other organic solids and waste oil/ mixed oil in 2016 and 2017.

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Additionally, the HWTS database identifies SC Fuels as a hazardous waste generator in 2015 for unspecified oil-containing waste and Fleet RV & Boat Storage as a hazardous waste generator in 2009 and 2010 for unspecified oil-containing waste and other organic solids.

6.1.3 Aboveground and Underground Storage Tanks (ASTs/USTs)

The database report documents the following USTs at the Subject Property:

Tank No.	Size	Contents	Status
1	4,000-gallon	Solvents	Active; installation date unknown
2	500-gallon	Premium gasoline	Active; installation date unknown
3	2,000-gallon	Solvents	Active; installed 1960

6.1.4 Interior and Exterior Surface Observation

Stantec observed no evidence of soil subsidence, surface staining, pooled liquids, stressed vegetation, fill soil piles or debris piles on the majority of the Subject Property. The southeast portion of the Subject Property may have had some residual materials left behind by the prior site occupant, however, the site representative was unable to say for certain whether those materials had been abandoned or whether they were still to be removed by the prior tenant.

6.1.5 Pits, Sumps, Oil-Water Separators and Floor Drains

Stantec did not observe the presence of floor drains, pits, sumps or oil-water separators at the time of the site reconnaissance.

6.1.6 Wastewater and Stormwater Discharge Systems

The Subject Property is served by the municipal sanitary sewer system. Stormwater at the Subject Property drains off-site to the adjoining properties or street's storm sewer system. There is no on-Site stormwater management system.

6.1.7 Wells, Drywells and Lagoons

Stantec did not observe the presence of wells, drywells or lagoons at the time of the site reconnaissance.

6.1.8 Polychlorinated Biphenyls (PCBs) and Oil Containing Equipment

Stantec observed several pad-mounted transformers on the Subject Property at the time of the site reconnaissance (see photograph 21). Additionally, pole-mounted systems were noted along Soth Bon

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View (see photograph 22). There was no indication on any of the transformers indicating PCB content. The transformers did not show evidence of leaks or spills at the time of the site reconnaissance.

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7.0 INTERVIEWS

7.1 INTERVIEW WITH SUBJECT PROPERTY REPRESENTATIVE

Date of Interview:	**December 17, 2021**
Name:	Ms. Deb O'Connell
Affiliation:	Site manager
Years familiar with Subject Property:	Approximately 10 years
Telephone Number:	Not provided

Ms. O'Connell was familiar with general site operations but had no information as to the historical uses of the Subject Property. She was knowledgeable about the tenant requirements and stated that no on-site maintenance of vehicles, RVs or boats is allowed. Ms. O'Connell was not certain if the lease for the outdoor storage portion at the southeast corner of the Subject Property had been terminated or if the tenant still had rights to use that portion of the Subject Property in the short term. She was unaware of any specific environmental concerns.

7.2 INTERVIEW WITH LOCAL GOVERNMENT OFFICIAL

Date of Interview:	**December 22, 2021**
Affiliation:	San Bernardino County Fire Protection District
Years familiar with Subject Property:	N/A
Telephone Number:	909-386-8401

Stantec contacted the San Bernardino County Fire Protection District regarding the hazardous waste listings for the Subject Property. The San Bernardino County Fire Protection District could only provide files in-person, free of charge for review or copies for a fee. Due to the format of files being not being in a readily available, reasonable ascertainable and practically reviewable format for review, the files were not obtained.

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8.0 EVALUATION

8.1 DATA GAPS/DATA FAILURE

Historical information was reviewed back to 1897. Data gaps greater than five years exist from prior to 1897, from 1903 to 1933 and from 1954 to 1964.

The interviews, historical maps, city directories and aerial photographs provide generally good corroborating information that allows an understanding of historical Subject Property use. A research summary is included as **Appendix I**.

Stantec considers the evaluation of the presence of RECs, CRECs and HRECs to be complete, based on the lack of identified changes in land use during the periods affected by data gaps of more than five years. Therefore, we do not recommend additional investigation relative to the resolution of those data gaps, as we do not believe it would materially affect our conclusion.

8.2 IDENTIFIED FINDINGS

Stantec was authorized by Mr. Scott Haugen, Partner – Asset Management at WPT Capital Advisors, to conduct this Phase I ESA of the property and improvements located at 621 and 627 South Bon View Avenue, Ontario, San Bernardino County, California; the Subject Property. The Subject Property consists of 10.05 acres with five light industrial buildings, one office building, paved parking and outdoor material storage. Access to the Subject Property is from South Bon View Avenue.

According to reviewed sources of information, the Subject Property was developed with a portion of a road from at least 1897 to 1903. The Subject Property was fully agricultural cropland from at least 1933 to 1947 when the first building was constructed on the Subject Property. The remainder of the existing buildings were constructed in 1956 (two buildings), 1959 (two buildings and 2000 (one building). Past occupants of the Subject Property include ABC Windows Co. and Production Augers Inc., Bestile Manufacturing, AVR Express and Shamrock Paving. The existing tenant is Fleet RV & Boat Storage.

The Subject Property was identified on the RCRAGR09, RCRANGR09, HWTS, SBFD, HISTUST, FRSCA and ECHOR09 regulatory databases in the GeoSearch Radius Report.

ABC Products is listed as an active small quantity generator of hazardous waste and Shamrock Paving is listed as a former generator of hazardous waste on the Subject Property. Additionally, SC Fuels and Fleet RV & Boat Storage have generated hazardous waste through the County.

The HISTUST database listing identifies a 4,000-gallon solvent UST (installation date unknown), a 2,000-gallon solvent UST (installed 1960) and a 500-gallon motor vehicle UST (installation date unknown) located on the Subject Property. The three tanks are identified as single-walled with no vaulting.

One site of interest was identified in the GeoSearch Radius Report. Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, has an active investigation for a PCE release that has resulted in soil vapor and groundwater plumes of PCE and TCE. Groundwater is located approximately

DRAFT

340 feet below ground surface; however, permanent groundwater monitoring wells have been installed at the site to monitor the groundwater impacts on a semiannual basis. Sub-slab vapor samples are also monitored semiannually. While the plume appears to have the highest concentrations on the western portion of the site, it does not appear to be delineated east of the site. The investigation is ongoing.

Mapped sites of regulatory interest identified in the GeoSearch Radius Report are not indicative of a release or material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor at the Subject Property based on location, regulatory status or type of database.

8.3 OPINIONS

The following opinions are based on the above findings:

- The historical agricultural use of the Subject Property, with a portion of a road, from at least 1897 to 1947 is not considered a REC, CREC or HREC with the Subject Property because there is no indication of a release or a material threat of release of petroleum products or potentially hazardous substances at the Subject Property.

- The historical use of the Subject Property as a manufacturing glass facility from at least 1947 to the 2010s is considered a REC for the Subject Property based on the prolonged use of hazardous materials at a time when it was not regulated.

- The two solvent and one fuel oil USTs on the Subject Property are considered RECs based on the age of the tanks and unknown status.

- Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, is considered a REC based on the identified PCE and TCE plume in both soil vapor and groundwater.

- Opinion regarding nearby properties revealed from other sources (such as a dry-cleaning facility revealed by city directories) that may or may not be considered RECs, HRECs, or CRECs or items of environmental business risk.

- The remaining mapped sites of regulatory interest identified in the GeoSearch Radius Report are not considered a REC for the Subject Property as they are not indicative of a release or material threat of release of petroleum products or potentially hazardous substances to soil, groundwater or soil vapor at the Subject Property based on location, regulatory status or type of database.

8.4 CONCLUSIONS

Stantec performed a Phase I ESA in conformance with the scope and limitations of the ASTM Phase I Standard and in accordance with the AAI Rule (40 CFR Part 312) of the property and improvements of 621 and 627 South Bon View Avenue, Ontario, San Bernardino County, California. Exceptions to, or deletions from, the ASTM Phase I Standard are described in Section 2.3 and Section 2.4 of this report.

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This ESA has identified the following RECs relative to the Subject Property:

- The historical use of the Subject Property as a manufacturing glass facility from at least 1947 to the 2010s is considered a REC for the Subject Property based on the prolonged use of hazardous materials at a time when it was not regulated.

- The two solvent and one fuel oil USTs on the Subject Property are considered RECs based on the age of the tanks and unknown status.

- Alger Manufacturing Co. located at 724 South Bon View Avenue, adjacent southwest, is considered a REC based on the identified PCE and TCE plume in both soil vapor and groundwater.

This ESA has identified no evidence of CRECs or HRECs in connection with the Subject Property.

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9.0 NON-SCOPE CONSIDERATIONS

Assessments of potential environmental issues or conditions at the Subject Property that may relate to commercial real estate activities, but were not part of this scope of work (unless otherwise noted) include the following:

- Asbestos Survey
- Radon Gas Survey
- Lead-Based Paint Assessment
- Lead in Drinking Water Evaluation
- Wetland Delineation
- Regulatory Compliance Audit
- Cultural and Historic Resources Review
- Industrial Hygiene Review
- Health and Safety Assessment
- Ecological Resources Evaluation
- Endangered Species Survey
- Indoor Air Quality Evaluation
- Mold Investigation
- High Voltage Power Lines Assessment

This list is not intended to be all-inclusive and is not intended to imply significance of further investigation into these non-scope items.

DRAFT

10.0 REFERENCES

American Society for Testing and Materials, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-13,* West Conshohocken, PA, 2013.

Dibblee, T.W. and Minch, J.A. *Geologic Map of the San Dimas and Ontario Quadrangles, Los Angeles and San Bernardino Counties, California*. 2002.

Jennings, C.W. et. al. *Geologic Map of California*: California Geological Survey, Geologic Data Map 2. 2010.

Other materials referenced in this report are included in the Appendices.

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11.0 QUALIFICATIONS

Company Experience

Stantec Consulting Services Inc. (Stantec) is a full-service environmental consulting firm that specializes in providing comprehensive environmental, regulatory, and safety guidance for our client's real estate asset protection, redevelopment and development needs. Collectively, Stantec offers our clients over 25 years of experience, depth of technical and regulatory knowledge and expertise in the following service areas:

- Environmental Assessment Services (Phase I and II)
- Site Preparation/Planning Services
- Integrated Site Remediation and Risk-based Response Actions
- Storage Tank Removal, Replacement and Compliance
- Stormwater Management Plans and Permitting (NPDES requirements, etc.)
- Wetlands Delineation and Mitigation
- Environmental Permitting and Compliance
- Asbestos and Lead Identification and Abatement
- Voluntary Cleanup Programs and Guidance on Public Funding Mechanisms for Brownfield Redevelopment
- Indoor Air Quality Assessment
- Facility Layout Review for Environmental and Safety Efficiency
- Environmental Impact Assessments (EIA) and Statements (EIS), Environmental Assessment Worksheets (EAW), Alternative Urban Areawide Review (AUAR)
- Traffic Engineering
- Pollution Prevention Plans
- Greenhouse Gas Services

Stantec strives to provide our clients with strategic, high quality and cost-effective services that are customized to their specific needs. For more extensive information on the services we provide please refer to www.Stantec.com.

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Individual Bios

Alison Creeger

Ms. Creeger is an Environmental Scientist at Stantec. She has environmental experience working in due diligence, land restoration, tree inspection, and water conservation. Ms. Creeger focuses on conducting Phase I and Phase II Environmental Site Assessments. She has conducted on-site contractor oversight, construction excavation observation, underground storage tank removals, groundwater monitoring, soil and groundwater remediation, and final report generation. She holds a Bachelor of Science in Environmental Restoration Science and a Bachelor of Science in Environmental Studies from the University of Nebraska-Lincoln.

J. Joseph Otte

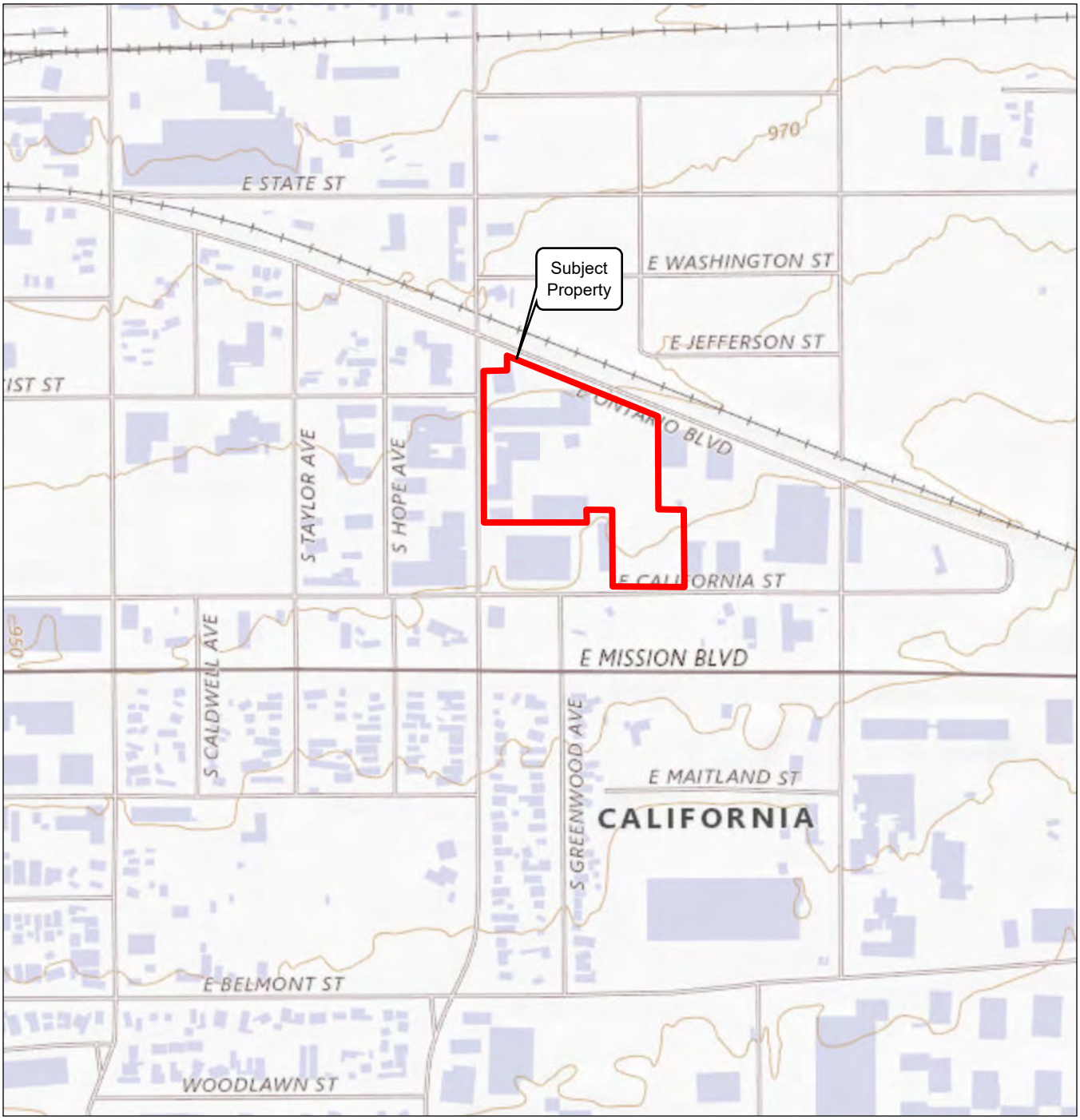
Mr. Joseph Otte has been consulting in the area of environmental real estate transaction support since 1998. For seven years prior to that, Mr. Otte's position was as project manager and supervisor of the Voluntary Investigation and Cleanup (VIC) Program of the Minnesota Pollution Control Agency (MPCA). He holds a Bachelor of Arts in geology from the College of St. Thomas and a Master of Business Communication from the University of St. Thomas, St. Paul, Minnesota.

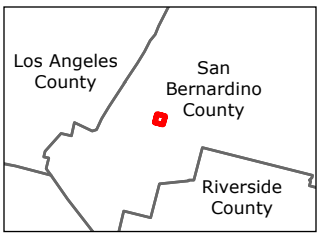
DRAFT

FIGURES

1. Site Location Map

2. Site Detail Map





Legend

Approximate Subject Boundry

0 500 1,000 Feet

N

(At original document size of 8.5x11)
1:7,200

Notes

1. Coordinate System: NAD 1983 (2011) StatePlane California Zone V FIPS 405 (US Feet)
2. Data Sources: USGS, San Bernardino County
3. Background: USGS 7.5-minute Quadrangle

Stantec

Project Location
T29N, R7W, S29
City of Ontario, San Bernardino Co., CA

Prepared by FT on 2021-12-06
TR by XXX on 2020-XX-XX
IR by XXX on 2020-XX-XX

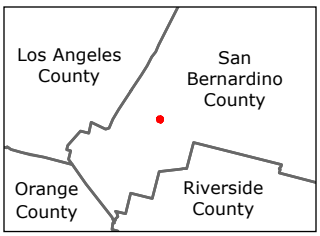
Client/Project 227703324
WPT Capital Advisors, LLC
627 South Bon View Avenue, Ontario, California 91761
Phase I

Figure No.
1

Title
Site Location Map

V:\227\active\227703324\03_data\gis_cad\gis\pro\WPT Capital Advisors (CA)\WPT Capital Advisors (CA).aprx Revised: 2021-12-06 By: alstone

Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.



Legend

Approximate Subject Boundry

0 100 200 Feet

(At original document size of 8.5x11)
1:2,400

N

Notes

1. Coordinate System: NAD 1983 (2011) StatePlane California Zone V FIPS 405 (US Feet)
2. Data Sources: USGS, San Bernardino County
3. Background: USGS 7.5-minute Quadrangle

Stantec

Project Location
T116N, R23W, S34
City of Chaska, Carver Co., MN

Prepared by AS on 2021-12-06
TR by XXX on 2020-XX-XX
IR by XXX on 2020-XX-XX

Client/Project 227703198
WPT Capital Advisors, LLC
627 South Bon View Avenue, Ontario, California 91761
Phase I

Figure No.
2

Title
Site Detail Map

V:\227\active\227703324\03_data\gis_cad\gis\pro\WPT Capital Advisors (CA)\WPT Capital Advisors (CA).aprx Revised: 2021-12-06 By: alstone

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APPENDIX A

User Questionnaire

ATSM E 1527-13 USER QUESTIONNAIRE

Property Name: 627 BON VIEW
Property Location: ONTARIO, CA.

To meet the all-appropriate inquiry (AAI) standard, the User (people or entities relying on the Phase I) must provide the following information, if they are aware of it. Your response should represent the current collective knowledge of the User.

- *Environmental cleanup liens (40 CFR 312.25)*

Did a search of recorded land title records identify any environmental liens filed or recorded against the property?	NO

- *Activity and land use limitations (AULs) (40 CFR 312.26)*

Did a search of recorded land title records identify any activity or use limitations, such as land use restrictions, or engineering or institutional controls that are in place at the property or have been filed or recorded against the property?	NO

- *Specialized knowledge or experience (40 CFR 312.28)*

Do you have any special knowledge or experience related to the property or nearby properties?	NO

- *Relationship of the purchase price to the fair market value of the property (40 CFR 312.29)*

Does the purchase price for the property reasonably reflect its fair market value property?	YES
If not, is there a lower purchase price because the property is or may be contaminated?	

- *Commonly known information about the property (40 CFR 312.30)*

Are you aware of information about the property that would help identify releases or threatened releases:	
Do you know the past uses of the property?	NO
Do you know specific chemicals that are or were present at the property?	NO
Do you know of any spills occurring at the property?	NO
Do you know of any environmental cleanups occurring at the property?	NO

- *Obvious or likely contamination at the property (40 CFR 312.31)*

Based on your knowledge and experience, are there any signs of contamination at the property?	NO.

I have completed the above questionnaire to the best of my knowledge.

Signature: _____ Date: 1-27-22.

Print Name: SCOTT HANSEN

Company: WPT CAPITAL ADVISORS

APPENDIX B

Envirosite Database Report

GeoSearch
On time. On target. In touch.™

Radius Report

Target Property:

Ontario CA
627 South Bon View Avenue
Ontario, San Bernardino County, California

Prepared For:

Historical Information Gatherers

Order #: 172044
Job #: 430311
Project #: 2058115
Date: 12/09/2021

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Unlocatable Report . . . . . See Attachment

Zip Report . . . . . See Attachment

Disclaimer

This report was designed by GeoSearch to meet or exceed the records search requirements of the All Appropriate Inquiries Rule (40 CFR ï¿½312.26) and the current version of the ASTM International E1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process or, if applicable, the custom requirements requested by the entity that ordered this report. The records and databases of records used to compile this report were collected from various federal,state and local governmental entities. It is the goal of GeoSearch to meet or exceed the 40 CFR ï¿½312.26 and E1527 requirements for updating records by using the best available technology. GeoSearch contacts the appropriate governmental entities on a recurring basis. Depending on the frequency with which a record source or database of records is updated by the governmental entity, the data used to prepare this report may be updated monthly, quarterly, semi-annually, or annually.

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Target Property Summary

Target Property Information

Ontario CA
627 South Bon View Avenue
Ontario, California

Coordinates
Area centroid (-117.63530, 34.0571532)
954 feet above sea level

USGS Quadrangle
Ontario, CA

Geographic Coverage Information

County/Parish: San Bernardino (CA)
ZipCode(s):
Ontario CA: 91761, 91762, 91764

Database Summary

FEDERAL LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNSCA	0	0	TP/AP
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	EC	0	0	TP/AP
LAND USE CONTROL INFORMATION SYSTEM	LUCIS	0	0	TP/AP
RCRA SITES WITH CONTROLS	RCRASC	0	0	TP/AP
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR	RCRAGR09	6	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - NON-GENERATOR	RCRANGR09	26	0	0.1250
BROWNFIELDS MANAGEMENT SYSTEM	BF	0	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	NLRRCRAT	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - NON-CORRACTS TREATMENT, STORAGE & DISPOSAL FACILITIES	RCRAT	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM	SEMS	1	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM ARCHIVED SITE INVENTORY	SEMSARCH	4	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	DNPL	0	0	1.0000
NATIONAL PRIORITIES LIST	NPL	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	NLRRCRAC	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	PNPL	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	RCRAC	1	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - SUBJECT TO CORRECTIVE ACTION FACILITIES	RCRASUBC	0	0	1.0000

SUB-TOTAL		38	0	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	AIRSAFS	0	0	TP/AP
BIENNIAL REPORTING SYSTEM	BRS	0	0	TP/AP
CERCLIS LIENS	SFLIENS	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	CDL	0	0	TP/AP
EPA DOCKET DATA	DOCKETS	0	0	TP/AP
ENFORCEMENT AND COMPLIANCE HISTORY INFORMATION	ECHOR09	7	0	TP/AP
FACILITY REGISTRY SYSTEM	FRSCA	8	0	TP/AP

Database Summary

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	HMIRSR09	0	0	TP/AP
HAZARDOUS WASTE COMPLIANCE DOCKET FACILITIES	HWCD	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	ICIS	1	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	ICISNPDES	3	0	TP/AP
MATERIAL LICENSING TRACKING SYSTEM	MLTS	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	NPDESR09	0	0	TP/AP
PCB ACTIVITY DATABASE SYSTEM	PADS	0	0	TP/AP
PERMIT COMPLIANCE SYSTEM	PCSR09	0	0	TP/AP
SEMS LIEN ON PROPERTY	SEMSLIENS	0	0	TP/AP
SSEHRI PFAS CONTAMINATION SITES	SSEHRIPFAS	0	0	TP/AP
SECTION SEVEN TRACKING SYSTEM	SSTS	0	0	TP/AP
TOXIC SUBSTANCE CONTROL ACT INVENTORY	TSCA	0	0	TP/AP
TOXICS RELEASE INVENTORY	TRI	0	0	TP/AP
ALTERNATIVE FUELING STATIONS	ALTFUELS	0	0	0.2500
FEMA OWNED STORAGE TANKS	FEMAUST	0	0	0.2500
HISTORICAL GAS STATIONS	HISTPST	0	0	0.2500
INTEGRATED COMPLIANCE INFORMATION SYSTEM DRYCLEANERS	ICISCLEANERS	0	0	0.2500
MINE SAFETY AND HEALTH ADMINISTRATION MASTER INDEX FILE	MSHA	0	0	0.2500
MINERAL RESOURCE DATA SYSTEM	MRDS	0	0	0.2500
OPEN DUMP INVENTORY	ODI	0	0	0.5000
SURFACE MINING CONTROL AND RECLAMATION ACT SITES	SMCRA	0	0	0.5000
URANIUM MILL TAILINGS RADIATION CONTROL ACT SITES	USUMTRCA	0	0	0.5000
DEPARTMENT OF DEFENSE SITES	DOD	0	0	1.0000
FORMER MILITARY NIKE MISSILE SITES	NMS	0	0	1.0000
FORMERLY USED DEFENSE SITES	FUDS	1	0	1.0000
FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM	FUSRAP	0	0	1.0000
RECORD OF DECISION SYSTEM	RODS	0	0	1.0000

SUB-TOTAL		20	0	

Database Summary

STATE (CA) LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
DTSC DEED RESTRICTIONS	DTSCDR	0	0	TP/AP
ABOVE GROUND STORAGE TANKS	ABST	3	0	0.2500
ABOVEGROUND STORAGE TANKS PRIOR TO JANUARY 2008	AST2007	0	1	0.2500
HISTORICAL UNDERGROUND STORAGE TANKS	HISTUST	6	0	0.2500
STATEWIDE ENVIRONMENTAL EVALUATION AND PLANNING SYSTEM	SWEEPS	5	0	0.2500
UNDERGROUND STORAGE TANKS	USTCUPA	1	0	0.2500
BROWNFIELD SITES	BF	0	0	0.5000
CALSITES DATABASE	CALSITES	5	0	0.5000
GEOTRACKER CLEANUP SITES	CLEANUPSITES	13	1	0.5000
LEAKING UNDERGROUND STORAGE TANKS	LUST	8	0	0.5000
SOLID WASTE INFORMATION SYSTEM SITES	SWIS	0	0	0.5000
VOLUNTARY CLEANUP PROGRAM	VCP	2	0	0.5000
ENVIROSTOR CLEANUP SITES	ENVIROSTOR	12	0	1.0000
ENVIROSTOR PERMITTED AND CORRECTIVE ACTION SITES	ENVIROSTORPCA	1	0	1.0000

SUB-TOTAL		56	2	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
CALIFORNIA HAZARDOUS MATERIAL INCIDENT REPORT SYSTEM	CHMIRS	0	1	TP/AP
CLANDESTINE DRUG LABS	CDL	0	0	TP/AP
EMISSIONS INVENTORY DATA	EMI	0	0	TP/AP
HAZARDOUS WASTE TANNER SUMMARY	HWTS	6	0	TP/AP
LAND DISPOSAL SITES	LDS	0	0	TP/AP
MILITARY CLEANUP SITES	MCS	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM FACILITIES	NPDES	2	0	TP/AP
PFAS SAMPLING LOCATION SITES	PFAS	0	0	TP/AP
RECORDED ENVIRONMENTAL CLEANUP LIENS	LIENS	0	0	TP/AP
REGISTERED WASTE TIRE HAULERS	WTHAULERS	0	0	TP/AP
CALIFORNIA MEDICAL WASTE MANAGEMENT PROGRAM FACILITY LIST	MWMP	0	0	0.2500
DTSC REGISTERED HAZARDOUS WASTE TRANSPORTERS	DTSCHWT	0	0	0.2500

Database Summary

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
DRY CLEANER FACILITIES	CLEANER	1	0	0.2500
MINES LISTING	MINES	0	0	0.2500
SPILLS, LEAKS, INVESTIGATION & CLEANUP RECOVERY LISTING	SLIC	2	0	0.2500
CORTESE LIST	CORTESE	0	0	0.5000
EXPEDITED REMOVAL ACTION PROGRAM SITES	ERAP	0	0	0.5000
HISTORICAL CORTESE LIST	HISTCORTESE	11	0	0.5000
LISTING OF CERTIFIED DROPOFF, COLLECTION, AND COMMUNITY SERVICE PROGRAMS	DROP	1	0	0.5000
LISTING OF CERTIFIED PROCESSORS	PROC	1	0	0.5000
NO FURTHER ACTION DETERMINATION	NFA	1	0	0.5000
RECYCLING CENTERS	SWRCY	5	0	0.5000
REFERRED TO ANOTHER LOCAL OR STATE AGENCY	REF	5	0	0.5000
SITES NEEDING FURTHER EVALUATION	NFE	0	0	0.5000
WASTE MANAGEMENT UNIT DATABASE	WMUDS	0	0	0.5000
TOXIC PITS CLEANUP ACT SITES	TOXPITS	0	0	1.0000

SUB-TOTAL		35	1	

Database Summary

LOCAL LISTING

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
SAN BERNARDINO COUNTY HAZARDOUS SITE LISTING	SBFD	56	0	0.2500
SAN BERNARDINO COUNTY MEDICAL WASTE FACILITY LIST	SBMW	1	0	0.2500
SUB-TOTAL		57	0	

Database Summary

TRIBAL LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	USTR09	0	0	0.2500
ILLEGAL DUMP SITES ON THE TORRES MARTINEZ RESERVATION	TORRESDUMPSITES	0	0	0.5000
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	LUSTR09	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	ODINDIAN	0	0	0.5000
SUB-TOTAL		0	0	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
INDIAN RESERVATIONS	INDIANRES	0	0	1.0000
SUB-TOTAL		0	0	

TOTAL		206	3	

Database Radius Summary

FEDERAL LISTING

*Standard environmental records are displayed in **bold**.*

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
AIRSAFS	0.0200	0	NS	NS	NS	NS	NS	0
BRS	0.0200	0	NS	NS	NS	NS	NS	0
CDL	0.0200	0	NS	NS	NS	NS	NS	0
DOCKETS	0.0200	0	NS	NS	NS	NS	NS	0
EC	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
ECHOR09	0.0200	7	NS	NS	NS	NS	NS	7
ERNSCA	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
FRSCA	0.0200	8	NS	NS	NS	NS	NS	8
HMIRSR09	0.0200	0	NS	NS	NS	NS	NS	0
HWCD	0.0200	0	NS	NS	NS	NS	NS	0
ICIS	0.0200	1	NS	NS	NS	NS	NS	1
ICISNPDES	0.0200	3	NS	NS	NS	NS	NS	3
LUCIS	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
MLTS	0.0200	0	NS	NS	NS	NS	NS	0
NPDESR09	0.0200	0	NS	NS	NS	NS	NS	0
PADS	0.0200	0	NS	NS	NS	NS	NS	0
PCSR09	0.0200	0	NS	NS	NS	NS	NS	0
RCRASC	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
SEMSLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SFLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SSEHRIPFAS	0.0200	0	NS	NS	NS	NS	NS	0
SSTS	0.0200	0	NS	NS	NS	NS	NS	0
TRI	0.0200	0	NS	NS	NS	NS	NS	0
TSCA	0.0200	0	NS	NS	NS	NS	NS	0
RCRAGR09	**0.1250**	**1**	**5**	**NS**	**NS**	**NS**	**NS**	**6**
RCRANGR09	**0.1250**	**4**	**22**	**NS**	**NS**	**NS**	**NS**	**26**
ALTFUELS	0.2500	0	0	0	NS	NS	NS	0
FEMAUST	0.2500	0	0	0	NS	NS	NS	0
HISTPST	0.2500	0	0	0	NS	NS	NS	0
ICISCLEANERS	0.2500	0	0	0	NS	NS	NS	0
MRDS	0.2500	0	0	0	NS	NS	NS	0
MSHA	0.2500	0	0	0	NS	NS	NS	0
BF	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
NLRRCRAT	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
ODI	0.5000	0	0	0	0	NS	NS	0

Database Radius Summary

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
RCRAT	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
SEMS	**0.5000**	**0**	**0**	**0**	**1**	**NS**	**NS**	**1**
SEMSARCH	**0.5000**	**0**	**2**	**1**	**1**	**NS**	**NS**	**4**
SMCRA	0.5000	0	0	0	0	NS	NS	0
USUMTRCA	0.5000	0	0	0	0	NS	NS	0
DNPL	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
DOD	1.0000	0	0	0	0	0	NS	0
FUDS	1.0000	0	0	0	0	1	NS	1
FUSRAP	1.0000	0	0	0	0	0	NS	0
NLRRCRAC	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
NMS	1.0000	0	0	0	0	0	NS	0
NPL	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
PNPL	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
RCRAC	**1.0000**	**0**	**0**	**0**	**0**	**1**	**NS**	**1**
RCRASUBC	**1.0000**	**0**	**0**	**0**	**0**	**0**	**NS**	**0**
RODS	1.0000	0	0	0	0	0	NS	0

SUB-TOTAL		24	29	1	2	2	0	58

Database Radius Summary

STATE (CA) LISTING

*Standard environmental records are displayed in **bold**.*

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
CDL	0.0200	0	NS	NS	NS	NS	NS	0
CHMIRS	0.0200	0	NS	NS	NS	NS	NS	0
DTSCDR	**0.0200**	**0**	**NS**	**NS**	**NS**	**NS**	**NS**	**0**
EMI	0.0200	0	NS	NS	NS	NS	NS	0
HWTS	0.0200	6	NS	NS	NS	NS	NS	6
LDS	0.0200	0	NS	NS	NS	NS	NS	0
LIENS	0.0200	0	NS	NS	NS	NS	NS	0
MCS	0.0200	0	NS	NS	NS	NS	NS	0
NPDES	0.0200	2	NS	NS	NS	NS	NS	2
PFAS	0.0200	0	NS	NS	NS	NS	NS	0
WTHAULERS	0.0200	0	NS	NS	NS	NS	NS	0
ABST	**0.2500**	**0**	**2**	**1**	**NS**	**NS**	**NS**	**3**
AST2007	**0.2500**	**0**	**0**	**0**	**NS**	**NS**	**NS**	**0**
CLEANER	0.2500	0	1	0	NS	NS	NS	1
DTSCHWT	0.2500	0	0	0	NS	NS	NS	0
HISTUST	**0.2500**	**1**	**3**	**2**	**NS**	**NS**	**NS**	**6**
MINES	0.2500	0	0	0	NS	NS	NS	0
MWMP	0.2500	0	0	0	NS	NS	NS	0
SLIC	0.2500	0	2	0	NS	NS	NS	2
SWEEPS	**0.2500**	**0**	**3**	**2**	**NS**	**NS**	**NS**	**5**
USTCUPA	**0.2500**	**0**	**0**	**1**	**NS**	**NS**	**NS**	**1**
BF	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
CALSITES	**0.5000**	**0**	**2**	**1**	**2**	**NS**	**NS**	**5**
CLEANUPSITES	**0.5000**	**0**	**1**	**1**	**11**	**NS**	**NS**	**13**
CORTESE	0.5000	0	0	0	0	NS	NS	0
DROP	0.5000	0	0	0	1	NS	NS	1
ERAP	0.5000	0	0	0	0	NS	NS	0
HISTCORTESE	0.5000	0	2	1	8	NS	NS	11
LUST	**0.5000**	**0**	**0**	**1**	**7**	**NS**	**NS**	**8**
NFA	0.5000	0	1	0	0	NS	NS	1
NFE	0.5000	0	0	0	0	NS	NS	0
PROC	0.5000	0	0	0	1	NS	NS	1
REF	0.5000	0	2	1	2	NS	NS	5
SWIS	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
SWRCY	0.5000	0	1	1	3	NS	NS	5

Database Radius Summary

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
VCP	**0.5000**	**0**	**1**	**0**	**1**	**NS**	**NS**	**2**
WMUDS	0.5000	0	0	0	0	NS	NS	0
ENVIROSTOR	**1.0000**	**0**	**4**	**1**	**3**	**4**	**NS**	**12**
ENVIROSTORPCA	**1.0000**	**0**	**0**	**0**	**0**	**1**	**NS**	**1**
TOXPITS	1.0000	0	0	0	0	0	NS	0
SUB-TOTAL		9	25	13	39	5	0	91

Database Radius Summary

LOCAL LISTING

*Standard environmental records are displayed in **bold**.*

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
SBFD	0.2500	4	26	26	NS	NS	NS	56
SBMW	0.2500	0	1	0	NS	NS	NS	1
SUB-TOTAL		4	27	26	0	0	0	57

Database Radius Summary

TRIBAL LISTING

*Standard environmental records are displayed in **bold**.*

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
USTR09	**0.2500**	**0**	**0**	**0**	**NS**	**NS**	**NS**	**0**
LUSTR09	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
ODINDIAN	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
TORRESDUMPSITES	**0.5000**	**0**	**0**	**0**	**0**	**NS**	**NS**	**0**
INDIANRES	1.0000	0	0	0	0	0	NS	0
SUB-TOTAL		0	0	0	0	0	0	0
TOTAL		37	81	40	41	7	0	206

NOTES:
NS = NOT SEARCHED
TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

Radius Map 1

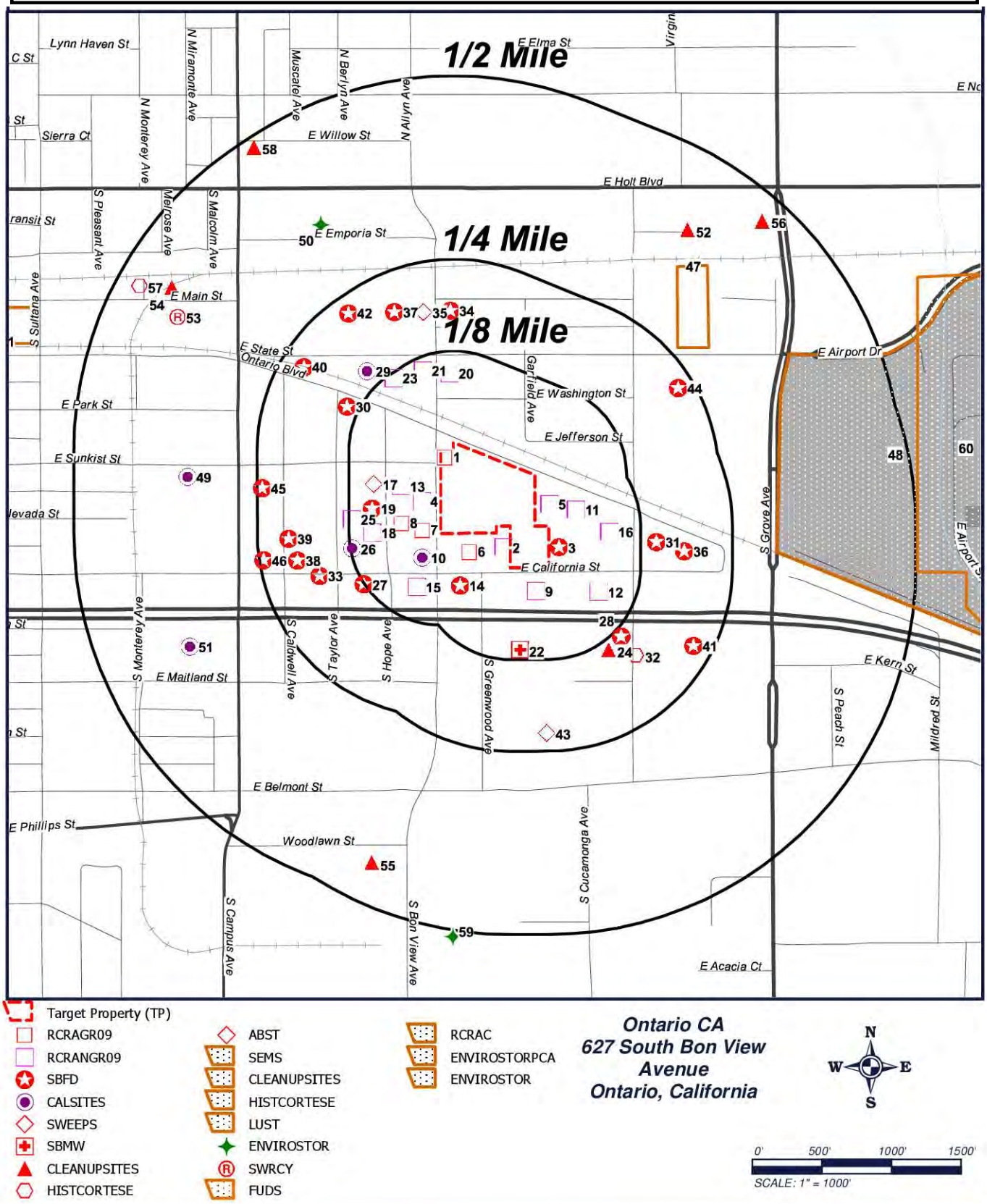
Target Property (TP)
RCRAGR09
RCRANGR09
SBFD
CALSITES
SWEEPS
SBMW
CLEANUPSITES
HISTCORTESE
ABST
SEMS
CLEANUPSITES
HISTCORTESE
LUST
ENVIROSTOR
SWRCY
FUDS
RCRAC
ENVIROSTORPCA
ENVIROSTOR

Ontario CA
627 South Bon View Avenue
Ontario, California

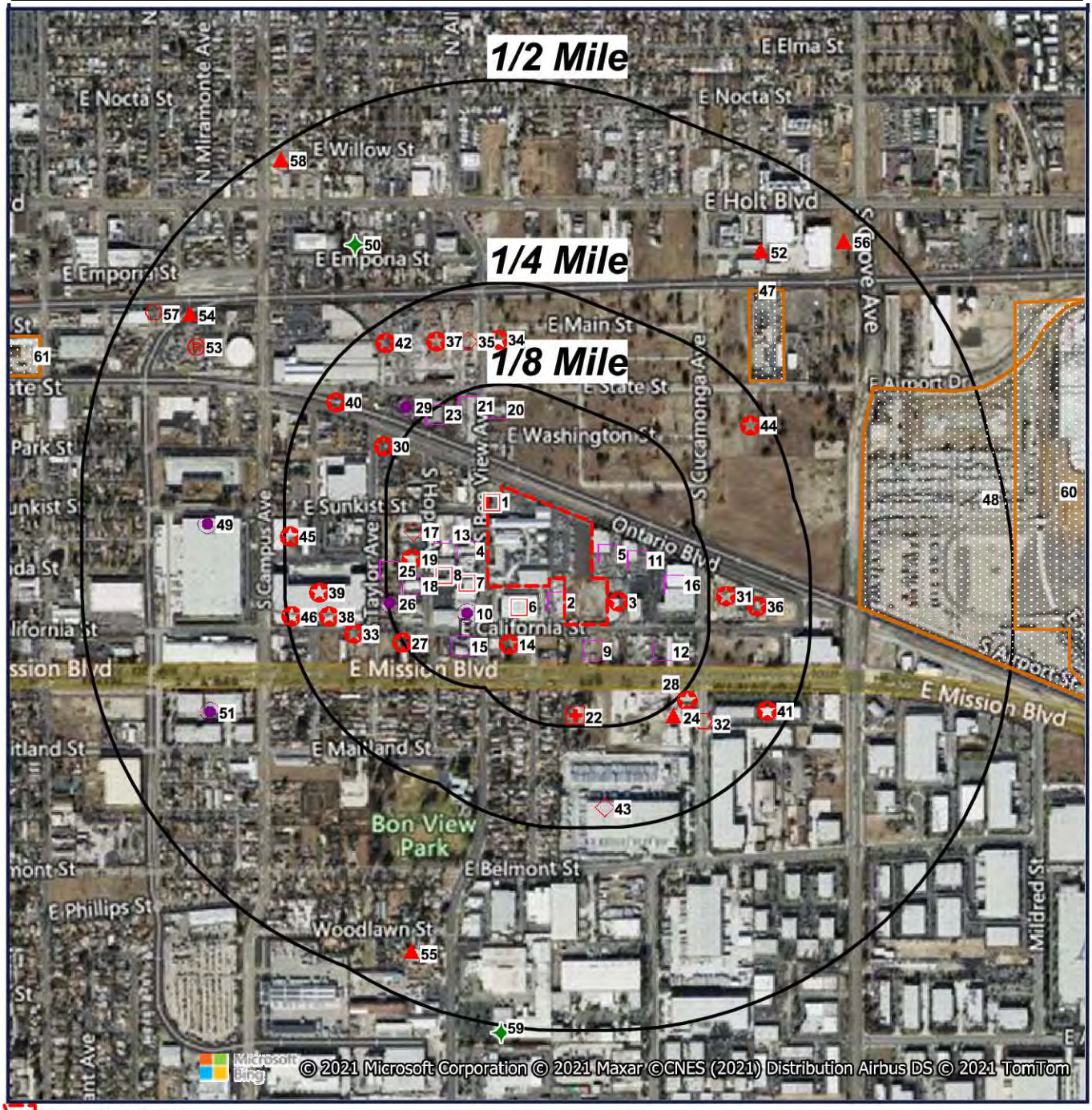
N W E S

0' 1000' 2000' 3000'
SCALE: 1" = 2000'

Radius Map 2


1/2 Mile
1/4 Mile
1/8 Mile
Lynn Haven St
C St
Sierra Ct
N Monterey Ave
N Miramonte Ave
Muscatel Ave
N Berlyn Ave
N Allyn Ave
E Elma St
E Willow St
E Holt Blvd
E Emporia St
E Main St
S Pleasant Ave
Melrose Ave
S Malcolm Ave
S Sultana Ave
E State St
Ontario Blvd
E Park St
E Sunkist St
E Washington St
E Jefferson St
Garfield Ave
E Airport Dr
S Grove Ave
E California St
E Maitland St
S Monterey Ave
S Caldwell Ave
S Taylor Ave
S Hope Ave
S Greenwood Ave
E Kern St
S Peach St
Mildred St
E Belmont St
E Phillips St
Woodlawn St
S Cucamonga Ave
S Campus Ave
S Bon View Ave
E Acacia Ct
Target Property (TP)
RCRAGR09
RCRANGR09
SBFD
CALSITES
SWEEPS
SBMW
CLEANUPSITES
HISTCORTESE
ABST
SEMS
CLEANUPSITES
HISTCORTESE
LUST
ENVIROSTOR
SWRCY
FUDS
RCRAC
ENVIROSTORPCA
ENVIROSTOR
Ontario CA
627 South Bon View Avenue
Ontario, California
N
W
E
S
0'
500'
1000'
1500'
SCALE: 1" = 1000'

Ortho Map



Target Property (TP)
RCRAGR09
RCRANGR09
SBFD
CALSITES
SWEEPS
SBMW
CLEANUPSITES
HISTCORTESE
ABST
SEMS
CLEANUPSITES
HISTCORTESE
LUST
ENVIROSTOR
SWRCY
FUDS
RCRAC
ENVIROSTORPCA
ENVIROSTOR

Quadrangle(s): Ontario
Ontario CA
627 South Bon View Avenue
Ontario, California

N
W
E
S

0' 500' 1000' 1500'
SCALE: 1" = 1000'

Topographic Map

Target Property (TP)

Quadrangle(s): Ontario
Source: USGS,
03/21/2012
Ontario CA
627 South Bon View Avenue
Ontario, California

N
W E
S

0' 1000' 2000' 3000'
SCALE: 1" = 2000'

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
1	ECHOR09	110002862796	Higher (960 ft.)	TP	A B C PRODUCTS	621 S BON VIEW AVE, ONTARIO, CA 91761	46
1	ECHOR09	110070420757	Higher (960 ft.)	TP	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761	47
1	FRSCA	110002862796	Higher (960 ft.)	TP	A B C PRODUCTS	621 S BON VIEW AVE, ONTARIO, CA 91761	48
1	FRSCA	110058212508	Higher (960 ft.)	TP	ABC WINDOW COMPANY	621 S BON VIEW AVE, ONTARIO, CA 91761	49
1	FRSCA	110070420757	Higher (960 ft.)	TP	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761	50
1	***HISTUST***	***000298A4***	***Higher (960 ft.)***	***TP***	***BESTILE MFG CO***	***621 S BON VIEW, ONTARIO, CA 91761***	***51***
1	HWTS	CAC002647620	Higher (960 ft.)	TP	FLEET RV & BOAT STORAGE	627 S BON VIEW AVE, ONTARIO, CA 91761	53
1	HWTS	CAC002822991	Higher (960 ft.)	TP	SC FUELS	621 S BON VIEW AVE, ONTARIO, CA 91761	55
1	HWTS	CAD983608308	Higher (960 ft.)	TP	ABC WINDOW COMPANY, INC.	621 S BON VIEW AVE, ONTARIO, CA 91761	56
1	HWTS	CAL000411685	Higher (960 ft.)	TP	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761	64
1	***RCRAGR09***	***CAD983608308***	***Higher (960 ft.)***	***TP***	***A B C PRODUCTS***	***621 S BON VIEW AVE, ONTARIO, CA 91761***	***66***
1	***RCRANGR09***	***CAL000411685***	***Higher (960 ft.)***	***TP***	***SHAMROCK PAVING***	***621 S BON VIEW AVE, ONTARIO, CA 91761***	***68***
1	SBFD	FA0000193	Higher (960 ft.)	TP	ABC WINDOW CO., INC	621 S BON VIEW AVE, ONTARIO, CA 91761	70
2	ECHOR09	110065139781	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	71
2	FRSCA	110065139781	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	72
2	ICISNPDES	CAZ288884INP DES	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	73
2	NPDES	2753670	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	75
2	***RCRANGR09***	***CAL000324385***	***Equal (954 ft.)***	***0.009 mi. W (48 ft.)***	***FOAM ZONE INC***	***945 E CALIFORNIA ST, ONTARIO, CA 91761***	***76***
2	SBFD	FA0011197	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC.	945 E CALIFORNIA ST, ONTARIO, CA 91761	78
3	ECHOR09	110070084832	Lower (947 ft.)	0.014 mi. E (74 ft.)	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761	80
3	ECHOR09	110070097080	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	81
3	FRSCA	110070084832	Lower (947 ft.)	0.014 mi. E (74 ft.)	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761	82
3	FRSCA	110070097080	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	83
3	ICIS	110070097080	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	84
3	ICISNPDES	CAW405437INP DES	Lower (947 ft.)	0.014 mi. E (74 ft.)	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761	85

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
3	ICISNPDES	CAZ480055INPDES	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	87
3	NPDES	946607906	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	90
3	SBFD	FA0018276	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE, INC.	1075 E CALIFORNIA ST, ONTARIO, CA 91761	91
4	***RCRANGR09***	***CAL000400243***	***Higher (960 ft.)***	***0.026 mi. W (137 ft.)***	***PRIMO'S CYLINDER HEAD INC***	***630 S BON VIEW AVE, ONTARIO, CA 91761***	***92***
4	***RCRANGR09***	***CAL000414970***	***Higher (960 ft.)***	***0.026 mi. W (137 ft.)***	***I.E AUTOMOTIVE***	***628 S BON VIEW AVE UNIT B, ONTARIO, CA 91761***	***94***
4	SBFD	FA0003475	Higher (960 ft.)	0.017 mi. W (90 ft.)	GLENCO MANUFACTURING COMPANY	716 S BON VIEW AVE, ONTARIO, CA 91761	96
5	ECHOR09	110070423611	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPEMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761	97
5	ECHOR09	110070484971	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761	98
5	FRSCA	110070423611	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPEMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761	99
5	FRSCA	110070484971	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761	100
5	HWTS	CAL000419716	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761	101
5	HWTS	CAL000437418	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761	103
5	***RCRANGR09***	***CAL000419890***	***Lower (947 ft.)***	***0.020 mi. E (106 ft.)***	***ONSITE TRUCK & EQUIPEMENT REPAIR INC***	***1060 ONTARIO BLVD, ONTARIO, CA 91761***	***104***
5	***RCRANGR09***	***CAL000437418***	***Lower (947 ft.)***	***0.020 mi. E (106 ft.)***	***ONSITE TRUCK & EQUIPMENT***	***1060 E ONTARIO BLVD, ONTARIO, CA 91761***	***106***
6	***RCRAGR09***	***CAD983584038***	***Equal (954 ft.)***	***0.024 mi. S (127 ft.)***	***INTER TRACTOR***	***921 E CALOFORNIA, ONTARIO, CA 91761***	***108***
7	***RCRAGR09***	***CA0000042242***	***Lower (950 ft.)***	***0.026 mi. W (137 ft.)***	***GLENCO MFG***	***716 S BON VIEW, ONTARIO, CA 91761***	***109***
8	***RCRAGR09***	***CAD981657836***	***Lower (950 ft.)***	***0.054 mi. W (285 ft.)***	***GLENCO MANFACTURING CO***	***707 S HOPE AVE, ONTARIO, CA 91761***	***110***
8	***RCRANGR09***	***CAL000368332***	***Lower (950 ft.)***	***0.054 mi. W (285 ft.)***	***S & H GLENCO MANUFACTURING LLC***	***707 S HOPE AVE, ONTARIO, CA 91761***	***112***
8	SBFD	FA0012997	Lower (950 ft.)	0.054 mi. W (285 ft.)	S&H GLENCO MANUFACTURING, LLC	707 S HOPE AVE, ONTARIO, CA 91761	114
9	***RCRANGR09***	***CAR000240259***	***Lower (947 ft.)***	***0.032 mi. S (169 ft.)***	***GOLD BULL TRANSPORTATION INC***	***1024 CALIFORNIA ST, ONTARIO, CA 91761***	***116***
10	***ABST***	***4197***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER PRECISION MACHINING, LLC***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***118***

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
10	***CALSITES***	***36350005***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***	***127***
10	***CLEANUPSITES***	***SL208413896***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY INC***	***724 BON VIEW, ONTARIO, CA 91761***	***128***
10	***ENVIROSTOR***	***36350005***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***	***133***
10	***ENVIROSTOR***	***71002447***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MFG. CO., INC.***	***724 S. BON VIEW AVENUE, ONTARIO, CA 91761***	***134***
10	HISTCORTESE	36350005COR	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPA	724 BON VIEW, ONTARIO, CA 91761	135
10	***HISTUST***	***000298C2***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 S BON VIEW AVENUE, ONTARIO, CA 91761***	***136***
10	***RCRAGR09***	***CAD051980191***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY, INC.***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***	***138***
10	***RCRANGR09***	***CAL000357292***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER PRECISION MACHINING LLC***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***140***
10	***RCRANGR09***	***CAL000404983***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***SEAVIEW AGI ACQUISITIONS***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***142***
10	REF	36350005	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPANY	724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761	144
10	REF	71002447	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MFG. CO., INC.	724 S. BON VIEW AVENUE, ONTARIO, CA 91761	145
10	SBFD	FA0000815	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER PRECISION MACHINING, LLC	724 S BON VIEW AVE, ONTARIO, CA 91761	146
10	***SEMSARCH***	***CAD051980191***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MFG CO***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***149***
10	SLIC	8-8 - 187	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER	724 S BON VIEW AVE, ONTARIO, CA	150
10	SLIC	SL208413896	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPANY INC	724 BON VIEW, ONTARIO, CA 91761	151
10	***SWEEPS***	***A36-000-52961***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***152***
11	***RCRANGR09***	***CAL000327123***	***Lower (947 ft.)***	***0.044 mi. ENE (232 ft.)***	***KING EQUIPMENT LLC***	***1080 E ONTARIO BLVD, ONTARIO, CA 91761***	***153***
11	***RCRANGR09***	***CAL000421481***	***Lower (947 ft.)***	***0.044 mi. ENE (232 ft.)***	***KLEIN PRODUCTS INC***	***1080 E ONTARIO BLVD, ONTARIO, CA 91761***	***155***
11	SBFD	FA0015636	Lower (947 ft.)	0.044 mi. ENE (232 ft.)	KING EQUIPMENT	1080 E ONTARIO BLVD, ONTARIO, CA 91761	157
11	SBFD	FA0017585	Lower (947 ft.)	0.044 mi. ENE (232 ft.)	KLEIN PRODUCTS, INC.	1080 ONTARIO BLVD, ONTARIO, CA 91761	158

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
12	CLEANER	CAL000378188	Lower (947 ft.)	0.076 mi. ESE (401 ft.)	PW REPAIR'S INC	1064 E CALIFORNIA ST, ONTARIO, CA 91761	159
12	***RCRANGR09***	***CAL000341684***	***Lower (947 ft.)***	***0.051 mi. SE (269 ft.)***	***AIRPORT MOBIL INC***	***1046 E CALIFORNIA ST, ONTARIO, CA 91761***	***160***
12	***RCRANGR09***	***CAL000378188***	***Lower (947 ft.)***	***0.076 mi. ESE (401 ft.)***	***PW REPAIRS INC***	***1064 E CALIFORNIA ST, ONTARIO, CA 91761***	***162***
12	SBFD	FA0014964	Lower (947 ft.)	0.051 mi. SE (269 ft.)	AIRPORT MOBIL TOWING	1046 E CALIFORNIA, ONTARIO, CA 91761	164
12	SBFD	FA0015695	Lower (947 ft.)	0.076 mi. ESE (401 ft.)	PW REPAIRS	1064 E CALIFORNIA ST, ONTARIO, CA 91761	166
13	***RCRANGR09***	***CAL000458285***	***Higher (959 ft.)***	***0.054 mi. W (285 ft.)***	***LYNWOOD PATTERN***	***603 S HOPE ST, ONTARIO, CA 91761***	***167***
13	SBFD	FA0000874	Higher (959 ft.)	0.059 mi. W (312 ft.)	ALUM-ALLOY COMPANY INC	603 S HOPE AVE, ONTARIO, CA 91761	169
14	SBFD	FA0009883	Lower (950 ft.)	0.071 mi. S (375 ft.)	VACANT PROPERTY	902 CALIFORNIA ST, ONTARIO, CA 91761	170
15	***HISTUST***	***00029DB7***	***Lower (950 ft.)***	***0.080 mi. SSW (422 ft.)***	***DONS WELDING SERVICE INC***	***854 EAST CALIFORNIA ST, ONTARIO, CA 91761***	***171***
15	***RCRANGR09***	***CAL000401609***	***Lower (950 ft.)***	***0.080 mi. SSW (422 ft.)***	***MEGA TRUCK & TRAILER REPAIR INC***	***854 E CALIFORNIA ST, ONTARIO, CA 91761***	***172***
15	SBFD	FA0010871	Lower (950 ft.)	0.084 mi. SW (444 ft.)	INDUSTRIAL EQUIPMENT REPAIR	854 E CALIFORNIA, ONTARIO, CA 91761	174
15	SBFD	FA0015633	Lower (950 ft.)	0.080 mi. SSW (422 ft.)	MEGA TRUCK & TRAILER REPAIR	854 E CALIFORNIA ST, ONTARIO, CA 91761	175
15	***SWEEPS***	***A36-000-19685***	***Lower (950 ft.)***	***0.080 mi. SSW (422 ft.)***	***DON'S WELDING SERVICE INC.***	***854 E CALIFORNIA ST, ONTARIO, CA 91761***	***177***
16	***RCRANGR09***	***CAL000440687***	***Lower (947 ft.)***	***0.082 mi. E (433 ft.)***	***PATTON SALES CORP DBA PATTON STEEL QUEEN CITY STEEL***	***1095 E CALIFORNIA ST, ONTARIO, CA 91761***	***178***
17	***HISTUST***	***00029CDB***	***Higher (959 ft.)***	***0.091 mi. W (480 ft.)***	***COLUMBIA PEST CONTROL OF ONTAR***	***622 S HOPE AVE, ONTARIO, CA 91761***	***180***
17	SBFD	FA0002442	Higher (959 ft.)	0.093 mi. W (491 ft.)	COLUMBIA PEST CTRL OF ONT	622 S HOPE AVE, ONTARIO, CA 91761	181
17	SBFD	FA0008444	Higher (959 ft.)	0.093 mi. W (491 ft.)	CAPITAL IRON	602 S HOPE AVE, ONTARIO, CA 91761	182
17	***SWEEPS***	***A36-000-40489***	***Higher (959 ft.)***	***0.091 mi. W (480 ft.)***	***COLUMBIA PEST CONTROL OF ONTAR***	***622 S HOPE AVE, ONTARIO, CA 91761***	***183***
18	***RCRANGR09***	***CAL000238576***	***Equal (954 ft.)***	***0.093 mi. W (491 ft.)***	***SIERRA TORQUE CONVERTERS & SECONDARY***	***710 S HOPE AVE, ONTARIO, CA 91761***	***184***
18	SBFD	FA0006182	Equal (954 ft.)	0.093 mi. W (491 ft.)	SIERRA TORQUE CONVERTER & SECONDARY	710 HOPE AVE, ONTARIO, CA 91761	186
19	SBFD	FA0003447	Higher (959 ft.)	0.093 mi. W (491 ft.)	GENERAL OUTDOOR ADVERTISING	632 S HOPE AVE, ONTARIO, CA 91761	188

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20	***RCRANGR09***	***CAL000307793***	***Higher (973 ft.)***	***0.094 mi. N (496 ft.)***	***CASTROS TOWING & GENERAL AUTO***	***409 S BON VIEW AVE STE B, ONTARIO, CA 91761***	***189***
20	***RCRANGR09***	***CAL000401299***	***Higher (973 ft.)***	***0.094 mi. N (496 ft.)***	***NORMAN'S AUTO REPAIR***	***409 S BON VIEW AVE STE A, ONTARIO, CA 91761***	***191***
20	SBFD	FA0010009	Higher (973 ft.)	0.095 mi. N (502 ft.)	TARAHUMARA AUTO REPAIR	409 S BON VIEW AVE B, ONTARIO, CA 91761	193
20	SBFD	FA0010543	Higher (973 ft.)	0.095 mi. N (502 ft.)	CASTRO'S TOWING & GENERAL AUTO	409 S BON VIEW STE B, ONTARIO, CA 91761	194
20	SBFD	FA0010682	Higher (973 ft.)	0.095 mi. N (502 ft.)	A-1 AUTOMOTIVE REPAIR	409 S BON VIEW STE A, ONTARIO, CA 91761	195
20	SBFD	FA0015725	Higher (973 ft.)	0.097 mi. N (512 ft.)	NORMAN'S AUTO REPAIR	409 S BON VIEW AVE A, ONTARIO, CA 91761	196
21	***RCRANGR09***	***CAL000378610***	***Higher (973 ft.)***	***0.108 mi. NNW (570 ft.)***	***MBA AUTO BODY PAINT & COLLISION***	***404 S BON VIEW AVE, ONTARIO, CA 91761***	***197***
21	***RCRANGR09***	***CAL000444629***	***Higher (973 ft.)***	***0.107 mi. NNW (565 ft.)***	***ONTARIO AUTO BODY CRAFT & COLLISION***	***406 S BON VIEW AVE, ONTARIO, CA 91761***	***199***
21	***RCRANGR09***	***CAL000445481***	***Higher (973 ft.)***	***0.116 mi. NNW (612 ft.)***	***HOLT AUTOBODY AND PAINT***	***402 S BON VIEW AVE, ONTARIO, CA 91761***	***201***
21	***RCRANGR09***	***CAP000148379***	***Higher (973 ft.)***	***0.098 mi. NNW (517 ft.)***	***WESTERN TECHNOLOGY ASSOCIATES***	***418 SOUTH BON VIEW AVE, ONTARIO, CA 91716***	***203***
21	SBFD	FA0005597	Higher (973 ft.)	0.095 mi. NNW (502 ft.)	MEDINA'S AUTO BODY	422 S BON VIEW AVE, ONTARIO, CA 91761	205
21	SBFD	FA0007479	Higher (973 ft.)	0.108 mi. NNW (570 ft.)	GENERAL AUTO	402 S BON VIEW AVE, ONTARIO, CA 91761	206
21	SBFD	FA0009801	Higher (973 ft.)	0.108 mi. NNW (570 ft.)	FRANCO AUTO REPAIR	412 S BON VIEW AVE, ONTARIO, CA 91761	207
21	SBFD	FA0012953	Higher (973 ft.)	0.116 mi. NNW (612 ft.)	RSR AUTO REPAIR AND BODY SHOP	402 S BON VIEW, ONTARIO, CA 91761	208
21	SBFD	FA0012954	Higher (973 ft.)	0.108 mi. NNW (570 ft.)	MBA AUTO BODY PAINT & COLLISION	404 S BON VIEW, ONTARIO, CA 91761	209
21	SBFD	FA0018148	Higher (973 ft.)	0.107 mi. NNW (565 ft.)	ONTARIO AUTO BODY	406 S BONVIEW, ONTARIO, CA 91761	210
22	SBMW	431820152	Lower (942 ft.)	0.113 mi. S (597 ft.)	WEST END SHELTER	1010 E MISSION BL, ONTARIO, CA 91761	211
23	***ABST***	***391025***	***Higher (972 ft.)***	***0.118 mi. NW (623 ft.)***	***D & M METALS***	***840 E STATE ST, ONTARIO, CA 91761***	***212***
23	***RCRANGR09***	***CAL000277999***	***Higher (972 ft.)***	***0.118 mi. NW (623 ft.)***	***D & M METALS***	***840 E STATE ST, ONTARIO, CA 91761***	***221***
23	SBFD	FA0002601	Higher (972 ft.)	0.118 mi. NW (623 ft.)	D & M METALS	840 E STATE ST, ONTARIO, CA 91761	223
23	SWRCY	RC194495.001	Higher (972 ft.)	0.118 mi. NW (623 ft.)	D & M METALS	840 E STATE ST, ONTARIO, CA 91761	225

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
23	SWRCY	RC4663	Higher (972 ft.)	0.140 mi. NW (739 ft.)	D AND M METALS	840 E STATE ST, ONTARIO, CA 91761	226
24	***CLEANUPSITES***	***T0607100140***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***227***
24	HISTCORTESE	083601221TCOR	Lower (937 ft.)	0.118 mi. SE (623 ft.)	MISSION READY MIX	840 CUCAAMONGA, ONTARIO, CA 91761	229
24	***HISTUST***	***0002A26A***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX CONCRETE IN***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***230***
24	***LUST***	***T0607100140***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***232***
24	SBFD	FA0004754	Lower (937 ft.)	0.140 mi. SE (739 ft.)	HOLLIDAY ROCK - ONTARIO	840 S CUCAMONGA AVE, ONTARIO, CA 91762	233
24	***SWEEPS***	***A36-000-12855***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX CONCRETE, IN***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***236***
24	***USTCUPA***	***3255466561***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***HOLLIDAY ROCK - ONTARIO***	***840 S. CUCAMONGA AVE., ONTARIO, CA 91762***	***237***
25	***RCRANGR09***	***CAC003001133***	***Equal (954 ft.)***	***0.120 mi. W (634 ft.)***	***HARRIE COHEN***	***635 TAYLOR AVENUE, ONTARIO, CA 91761***	***238***
25	SBFD	FA0015841	Equal (954 ft.)	0.120 mi. W (634 ft.)	ONTARIO PROPERTY	635 S TAYLOR AVE, ONTARIO, CA 91761	240
26	***CALSITES***	***36360019***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ISAAC COHEN AND SON INC***	***717 SOUTH TAYLOR AVENUE, ONTARIO, CA 91761***	***241***
26	***ENVIROSTOR***	***36360019***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ISAAC COHEN AND SON INC***	***717 SOUTH TAYLOR AVENUE, ONTARIO, CA 91761***	***242***
26	***ENVIROSTOR***	***36990004***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ONTARIO METAL RECYCLING***	***717 S. TAYLOR AVENUE, ONTARIO, CA 91761***	***243***
26	NFA	36990004	Equal (954 ft.)	0.122 mi. W (644 ft.)	ONTARIO METAL RECYCLING	717 S. TAYLOR AVENUE, ONTARIO, CA 91761	244
26	***RCRAGR09***	***CAD052851078***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***COHEN ISAAC & SON***	***717 S TAYLOR, ONTARIO, CA 91761***	***245***
26	***SEMSARCH***	***CAD052851078***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***COHEN ISAAC & SON INC***	***717 S TAYLOR, ONTARIO, CA 91761***	***247***
26	***VCP***	***36990004***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ONTARIO METAL RECYCLING***	***717 S. TAYLOR AVENUE, ONTARIO, CA 91761***	***248***
27	SBFD	FA0009440	Equal (954 ft.)	0.126 mi. WSW (665 ft.)	J & J INDUSTRIAL SERVICES	820 E CALIFORNIA ST, ONTARIO, CA 91761	249
28	SBFD	FA0004270	Lower (937 ft.)	0.136 mi. SE (718 ft.)	KLEIN PRODUCTS, INC.	816 S CUCAMONGA AVE, ONTARIO, CA 91761	250
28	SBFD	FA0017179	Lower (937 ft.)	0.136 mi. SE (718 ft.)	NICKOLAS STEEL, INC.	816 S CUCAMONGA AVE, ONTARIO, CA 91761	251
29	***CALSITES***	***36500005***	***Higher (972 ft.)***	***0.148 mi. NW (781 ft.)***	***D & M METALS, INC***	***824 EAST STATE STREET, ONTARIO, CA 91761***	***252***
29	***ENVIROSTOR***	***36500005***	***Higher (972 ft.)***	***0.148 mi. NW (781 ft.)***	***D & M METALS, INC***	***824 EAST STATE STREET, ONTARIO, CA 91761***	***253***
29	REF	36500005	Higher (972 ft.)	0.148 mi. NW (781 ft.)	D & M METALS, INC	824 EAST STATE STREET, ONTARIO, CA 91761	254
29	***SEMSARCH***	***CAD982360067***	***Higher (972 ft.)***	***0.148 mi. NW (781 ft.)***	***D&M METALS INC***	***824 E STATE ST, ONTARIO, CA 91761***	***255***

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
30	SBFD	FA0005157	Higher (972 ft.)	0.141 mi. WNW (744 ft.)	PACIFIC AUTO WRECKING	802 E ONTARIO BLVD, ONTARIO, CA 91761	256
31	SBFD	FA0001756	Lower (948 ft.)	0.147 mi. E (776 ft.)	CAN-AM AUTO SALVAGE INC	1101 E CALIFORNIA ST, ONTARIO, CA 91761	257
31	SBFD	FA0008266	Lower (948 ft.)	0.147 mi. E (776 ft.)	A & A USED AUTO PARTS	1101 E CALIFORNIA ST STE A, ONTARIO, CA 91761	258
31	SBFD	FA0013419	Lower (948 ft.)	0.147 mi. E (776 ft.)	BIG THREE AUTO DISMANTLING INC	1101 E CALIFORNIA ST UNIT B, ONTARIO, CA 91761	259
32	HISTCORTESE	083602564TCOR	Lower (937 ft.)	0.170 mi. SE (898 ft.)	ONTARIO OMS #1.	905 CUCAAMONGA, ONTARIO, CA 91761	260
33	SBFD	FA0007508	Equal (954 ft.)	0.175 mi. WSW (924 ft.)	PREFERRED POOLS	758 E CALIFORNIA, ONTARIO, CA 91762	261
33	SBFD	FA0014731	Equal (954 ft.)	0.175 mi. WSW (924 ft.)	WATERWAYS POOLS	758 E CALIFORNIA, ONTARIO, CA 91762	262
34	SBFD	FA0004524	Higher (976 ft.)	0.180 mi. N (950 ft.)	M & M MACHINERY	810 E MAIN ST, ONTARIO, CA 91761	263
34	SBFD	FA0006284	Higher (976 ft.)	0.180 mi. N (950 ft.)	ICL PERFORMANCE PRODUCTS LP	810 E MAIN ST, ONTARIO, CA 91761	264
35	***HISTUST***	***00029DDE***	***Higher (976 ft.)***	***0.182 mi. NNW (961 ft.)***	***E-Z SERVE OF CALIF INC***	***316 S BON VIEW AVE, ONTARIO, CA 91761***	***265***
35	SBFD	FA0006185	Higher (976 ft.)	0.182 mi. NNW (961 ft.)	SIGMA CORPORATION	316 S BON VIEW AVE, ONTARIO, CA 91761	268
35	***SWEEPS***	***A36-000-13365***	***Higher (976 ft.)***	***0.182 mi. NNW (961 ft.)***	***E-Z SERVE OF CALIF., INC.***	***316 S BON VIEW AVE, ONTARIO, CA 91761***	***269***
36	SBFD	FA0013371	Lower (948 ft.)	0.184 mi. E (972 ft.)	CAN AM AUTO SALVAGE INC	1125 E CALIFORNIA ST, ONTARIO, CA 91761	270
37	SBFD	FA0017686	Higher (979 ft.)	0.195 mi. NNW (1030 ft.)	JC HORIZON LTD.	825 E STATE ST, ONTARIO, CA 91761	271
38	SBFD	FA0009214	Lower (950 ft.)	0.199 mi. W (1051 ft.)	AW COULTER TRUCKING	737 E CALIFORNIA ST, ONTARIO, CA 91761	272
39	SBFD	FA0012686	Lower (950 ft.)	0.207 mi. W (1093 ft.)	ALTA ADVANCED TECHNOLOGIES INC	760 E SUNKIST ST, ONTARIO, CA 91761	273
39	SBFD	FA0017830	Lower (950 ft.)	0.207 mi. W (1093 ft.)	VITCO DISTRIBUTORS	715 E CALIFORNIA ST, ONTARIO, CA 91761	275
40	SBFD	FA0004638	Higher (973 ft.)	0.219 mi. WNW (1156 ft.)	VERIZON BUSINESS: ONTRCA	756 E STATE ST, ONTARIO, CA 91761	276
40	SBFD	FA0008162	Higher (973 ft.)	0.237 mi. WNW (1251 ft.)	BAUSMAN & COMPANY	745 E STATE ST, ONTARIO, CA 91761	277
41	SBFD	FA0015686	Lower (931 ft.)	0.224 mi. ESE (1183 ft.)	HEREWEGO LLC DBA PIRTEK INLAND VALLEY	909 S CUCAMONGA AVE STE 101, ONTARIO, CA 91761	278
42	SBFD	FA0013260	Higher (981 ft.)	0.226 mi. NW (1193 ft.)	AG CONSTRUCTION	807 E STATE ST, ONTARIO, CA 91761	279

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43	**ABST**	**396303**	**Lower (926 ft.)**	**0.226 mi. S (1193 ft.)**	**LEGACY SUPPLY CHAIN SERVICES**	**1000 S CUCAMONGA AVE, ONTARIO, CA 91761**	**280**
43	SBFD	FA0007696	Lower (926 ft.)	0.226 mi. S (1193 ft.)	LEGACY SUPPLY CHAIN SERVICES	1000 S CUCAMONGA AVE, ONTARIO, CA 91761	285
44	SBFD	FA0005935	Higher (955 ft.)	0.229 mi. ENE (1209 ft.)	SAXON BROS EQUIPMENT	1128 E STATE ST, ONTARIO, CA 91761	288
45	SBFD	FA0015185	Higher (961 ft.)	0.243 mi. W (1283 ft.)	SUMMERS BROTHERS INC.	720 E SUNKIST ST STE 103, ONTARIO, CA 91761	289
46	SBFD	FA0003932	Lower (950 ft.)	0.244 mi. W (1288 ft.)	BLACK HILLS ONTARIO LLC	705 E CALIFORNIA ST, ONTARIO, CA 91761	291
47	**SEMS**	**CAN000903310**	**Higher (970 ft.)**	**0.261 mi. NE (1378 ft.)**	**CERTIFIED TOWING ABANDONED DRUMS**	**1135 E. STATE STREET, ONTARIO, CA 91761**	**292**
48	**CLEANUPSITES**	**SLT8R0303915**	**Lower (921 ft.)**	**0.311 mi. E (1642 ft.)**	**NORTHROP**	**ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA**	**293**
48	**CLEANUPSITES**	**SLT8R0313916**	**Lower (921 ft.)**	**0.311 mi. E (1642 ft.)**	**DOUGLAS AIRCRAFT CO**	**ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA**	**295**
48	**CLEANUPSITES**	**SLT8R0493933**	**Lower (921 ft.)**	**0.311 mi. E (1642 ft.)**	**CALIFORNIA AIR NATIONAL GUARD**	**ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA**	**297**
48	**CLEANUPSITES**	**SLT8R0503934**	**Lower (921 ft.)**	**0.311 mi. E (1642 ft.)**	**AEROJET GENERAL CORPORATION**	**ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA**	**299**
48	**CLEANUPSITES**	**T0607181149**	**Lower (921 ft.)**	**0.311 mi. E (1642 ft.)**	**AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT**	**2500 E. AIRPORT DRIVE, ONTARIO, CA 91761**	**301**
48	HISTCORTESE	083600231TCOR	Lower (921 ft.)	0.311 mi. E (1642 ft.)	LOCKHEED AIRCRAFT SERVICE	2411 ONTARIO AIRPORT, ONTARIO, CA 91764	303
48	**LUST**	**T0607181149**	**Lower (921 ft.)**	**0.311 mi. E (1642 ft.)**	**AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT**	**2500 E. AIRPORT DRIVE, ONTARIO, CA 91761**	**304**
49	**CALSITES**	**36200001**	**Higher (960 ft.)**	**0.345 mi. W (1822 ft.)**	**SUNKIST GROWERS**	**616 EAST SUNKIST STREET, ONTARIO, CA 91761**	**305**
49	**CLEANUPSITES**	**T0607100463**	**Higher (960 ft.)**	**0.345 mi. W (1822 ft.)**	**SUNKIST**	**616 E SUNKIST ST, ONTARIO, CA 91761**	**306**
49	**ENVIROSTOR**	**36200001**	**Higher (960 ft.)**	**0.345 mi. W (1822 ft.)**	**SUNKIST GROWERS**	**616 EAST SUNKIST STREET, ONTARIO, CA 91761**	**307**
49	HISTCORTESE	083603111TCOR	Higher (960 ft.)	0.345 mi. W (1822 ft.)	SUNKIST	616, ONTARIO, CA 91761	308
49	**LUST**	**T0607100463**	**Higher (960 ft.)**	**0.345 mi. W (1822 ft.)**	**SUNKIST**	**616 E SUNKIST ST, ONTARIO, CA 91761**	**309**
49	REF	36200001	Higher (960 ft.)	0.345 mi. W (1822 ft.)	SUNKIST GROWERS	616 EAST SUNKIST STREET, ONTARIO, CA 91761	310
49	**SEMSARCH**	**CAD008514051**	**Higher (960 ft.)**	**0.345 mi. W (1822 ft.)**	**SUNKIST GROWERS**	**616 E SUNKIST ST, ONTARIO, CA 91761**	**311**
50	**ENVIROSTOR**	**36000010**	**Higher (995 ft.)**	**0.348 mi. NW (1837 ft.)**	**CRUZ PROPERTY**	**757 E. EMPORIA STREET, ONTARIO, CA 91761**	**312**
50	REF	36000010	Higher (995 ft.)	0.348 mi. NW (1837 ft.)	CRUZ PROPERTY	757 E. EMPORIA STREET, ONTARIO, CA 91761	313
51	**CALSITES**	**36490109**	**Lower (944 ft.)**	**0.375 mi. WSW (1980 ft.)**	**SO CAL GAS/ONTARIO MGP**	**CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761**	**314**

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
51	***ENVIROSTOR***	***36490109***	***Lower (944 ft.)***	***0.375 mi. WSW (1980 ft.)***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***	***315***
51	HISTCORTESE	36490109COR	Lower (944 ft.)	0.375 mi. WSW (1980 ft.)	SO CAL GAS/ONTARIO MGP	CNR CAMPUS MARTLAND MONTE, ONTARIO, CA 91761	316
51	***VCP***	***36490109***	***Lower (944 ft.)***	***0.375 mi. WSW (1980 ft.)***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***	***317***
52	***CLEANUPSITES***	***T0607100628***	***Higher (970 ft.)***	***0.392 mi. NE (2070 ft.)***	***HERTZ RENT A CAR***	***2060 E EMPORIA, ONTARIO, CA 91761***	***318***
52	HISTCORTESE	083603632TCOR	Higher (970 ft.)	0.392 mi. NE (2070 ft.)	HERTZ RENT A CAR	2060, ONTARIO, CA 91761	319
52	***LUST***	***T0607100628***	***Higher (970 ft.)***	***0.392 mi. NE (2070 ft.)***	***HERTZ RENT A CAR***	***2060 E EMPORIA, ONTARIO, CA 91761***	***320***
53	DROP	CP0091	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS	608 E MAIN ST, ONTARIO, CA 91761	321
53	PROC	PR0011	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761	322
53	SWRCY	PR0011	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761	323
53	SWRCY	RC0070	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761	324
54	***CLEANUPSITES***	***T0607100129***	***Higher (980 ft.)***	***0.428 mi. WNW (2260 ft.)***	***UNOCAL BULK PLANT #0551***	***601 E MAIN ST, ONTARIO, CA 91761***	***325***
54	***LUST***	***T0607100129***	***Higher (980 ft.)***	***0.428 mi. WNW (2260 ft.)***	***UNOCAL BULK PLANT #0551***	***601 E MAIN ST, ONTARIO, CA 91761***	***326***
54	SWRCY	RC11004	Higher (980 ft.)	0.427 mi. WNW (2255 ft.)	MAIN STREET FIBERS INC	653 E MAIN ST, ONTARIO, CA 91761	327
55	***CLEANUPSITES***	***T0607100088***	***Lower (922 ft.)***	***0.446 mi. SSW (2355 ft.)***	***GONZALES AND SONS***	***844 WOODLAWN ST, ONTARIO, CA 92716***	***328***
55	HISTCORTESE	083600809TCOR	Lower (922 ft.)	0.446 mi. SSW (2355 ft.)	GONZALES AND SONS	844, ONTARIO, CA 92716	330
55	***LUST***	***T0607100088***	***Lower (922 ft.)***	***0.446 mi. SSW (2355 ft.)***	***GONZALES AND SONS***	***844 WOODLAWN ST, ONTARIO, CA 92716***	***331***
56	***CLEANUPSITES***	***T0607100616***	***Higher (976 ft.)***	***0.463 mi. NE (2445 ft.)***	***BLACK GOLD***	***1194 E HOLT BLVD, ONTARIO, CA 91761***	***332***
56	HISTCORTESE	083603591TCOR	Higher (976 ft.)	0.464 mi. NE (2450 ft.)	BLACK GOLD	1194, ONTARIO, CA 91761	334
56	***LUST***	***T0607100616***	***Higher (976 ft.)***	***0.463 mi. NE (2445 ft.)***	***BLACK GOLD***	***1194 E HOLT BLVD, ONTARIO, CA 91761***	***335***

Located Sites Summary

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
57	HISTCORTESE	083601143TCOR	Higher (980 ft.)	0.467 mi. WNW (2466 ft.)	UNOCAL BULK PLANT #0551	601, ONTARIO, CA 91761	336
58	***CLEANUPSITES***	***T0607100456***	***Higher (999 ft.)***	***0.484 mi. NW (2556 ft.)***	***POWER THRUST INC.***	***124 N CAMPUS AVE, ONTARIO, CA 91764***	***337***
58	HISTCORTESE	083603063TCOR	Higher (999 ft.)	0.484 mi. NW (2556 ft.)	POWER THRUST INC.	124, ONTARIO, CA 91764	339
58	***LUST***	***T0607100456***	***Higher (999 ft.)***	***0.484 mi. NW (2556 ft.)***	***POWER THRUST INC.***	***124 N CAMPUS AVE, ONTARIO, CA 91764***	***340***
59	***ENVIROSTOR***	***36340065***	***Lower (915 ft.)***	***0.502 mi. SSW (2651 ft.)***	***OAKWOOD INTERIORS SITE***	***1333 S BON VIEW AVE, ONTARIO, CA 91761***	***341***
60	FUDS	J09CA0531	Lower (916 ft.)	0.502 mi. E (2651 ft.)	ONTARIO ARMY AIRFIELD	SAN BERNARDINO COUNTY, ONTARIO, CA 91761	342
61	***ENVIROSTOR***	***80001800***	***Higher (982 ft.)***	***0.570 mi. WNW (3010 ft.)***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN ST, ONTARIO, CA 91761***	***346***
61	***ENVIROSTORPCA***	***CAT000622357***	***Higher (982 ft.)***	***0.570 mi. WNW (3010 ft.)***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN ST, ONTARIO, CA 91761***	***347***
61	***RCRAC***	***CAT000622357***	***Higher (982 ft.)***	***0.570 mi. WNW (3010 ft.)***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN STREET, ONTARIO, CA 91761***	***349***
62	***ENVIROSTOR***	***36720001***	***Higher (996 ft.)***	***0.996 mi. WNW (5259 ft.)***	***TERRA VISTA CLEANERS***	***213 W HOLT AVE., ONTARIO, CA 91762***	***356***
62	***ENVIROSTOR***	***36720002***	***Higher (996 ft.)***	***0.996 mi. WNW (5259 ft.)***	***ELITE CLEANERS***	***213 W HOLT AVE., ONTARIO, CA 91762***	***357***

Site Summary By Database

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
10	ABST	4197	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER PRECISION MACHINING, LLC	724 S BON VIEW AVE, ONTARIO, CA 91761
23	ABST	391025	Higher (972 ft.)	0.118 mi. NW (623 ft.)	D & M METALS	840 E STATE ST, ONTARIO, CA 91761
43	ABST	396303	Lower (926 ft.)	0.226 mi. S (1193 ft.)	LEGACY SUPPLY CHAIN SERVICES	1000 S CUCAMONGA AVE, ONTARIO, CA 91761
10	CALSITES	36350005	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPANY	724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761
26	CALSITES	36360019	Equal (954 ft.)	0.122 mi. W (644 ft.)	ISAAC COHEN AND SON INC	717 SOUTH TAYLOR AVENUE, ONTARIO, CA 91761
29	CALSITES	36500005	Higher (972 ft.)	0.148 mi. NW (781 ft.)	D & M METALS, INC	824 EAST STATE STREET, ONTARIO, CA 91761
49	CALSITES	36200001	Higher (960 ft.)	0.345 mi. W (1822 ft.)	SUNKIST GROWERS	616 EAST SUNKIST STREET, ONTARIO, CA 91761
51	CALSITES	36490109	Lower (944 ft.)	0.375 mi. WSW (1980 ft.)	SO CAL GAS/ONTARIO MGP	CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761
12	CLEANER	CAL000378188	Lower (947 ft.)	0.076 mi. ESE (401 ft.)	PW REPAIR'S INC	1064 E CALIFORNIA ST, ONTARIO, CA 91761
10	CLEANUPSITES	SL208413896	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPANY INC	724 BON VIEW, ONTARIO, CA 91761
24	CLEANUPSITES	T0607100140	Lower (937 ft.)	0.140 mi. SE (739 ft.)	MISSION READY MIX	840 S CUCAMONGA AVE, ONTARIO, CA 91761
48	CLEANUPSITES	SLT8R0303915	Lower (921 ft.)	0.311 mi. E (1642 ft.)	NORTHROP	ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA
48	CLEANUPSITES	SLT8R0313916	Lower (921 ft.)	0.311 mi. E (1642 ft.)	DOUGLAS AIRCRAFT CO	ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA
48	CLEANUPSITES	SLT8R0493933	Lower (921 ft.)	0.311 mi. E (1642 ft.)	CALIFORNIA AIR NATIONAL GUARD	ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA
48	CLEANUPSITES	SLT8R0503934	Lower (921 ft.)	0.311 mi. E (1642 ft.)	AEROJET GENERAL CORPORATION	ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA
48	CLEANUPSITES	T0607181149	Lower (921 ft.)	0.311 mi. E (1642 ft.)	AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT	2500 E. AIRPORT DRIVE, ONTARIO, CA 91761
49	CLEANUPSITES	T0607100463	Higher (960 ft.)	0.345 mi. W (1822 ft.)	SUNKIST	616 E SUNKIST ST, ONTARIO, CA 91761
52	CLEANUPSITES	T0607100628	Higher (970 ft.)	0.392 mi. NE (2070 ft.)	HERTZ RENT A CAR	2060 E EMPORIA, ONTARIO, CA 91761
54	CLEANUPSITES	T0607100129	Higher (980 ft.)	0.428 mi. WNW (2260 ft.)	UNOCAL BULK PLANT #0551	601 E MAIN ST, ONTARIO, CA 91761
55	CLEANUPSITES	T0607100088	Lower (922 ft.)	0.446 mi. SSW (2355 ft.)	GONZALES AND SONS	844 WOODLAWN ST, ONTARIO, CA 92716
56	CLEANUPSITES	T0607100616	Higher (976 ft.)	0.463 mi. NE (2445 ft.)	BLACK GOLD	1194 E HOLT BLVD, ONTARIO, CA 91761
58	CLEANUPSITES	T0607100456	Higher (999 ft.)	0.484 mi. NW (2556 ft.)	POWER THRUST INC.	124 N CAMPUS AVE, ONTARIO, CA 91764

Site Summary By Database

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
53	DROP	CP0091	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS	608 E MAIN ST, ONTARIO, CA 91761
1	ECHOR09	110002862796	Higher (960 ft.)	TP	A B C PRODUCTS	621 S BON VIEW AVE, ONTARIO, CA 91761
1	ECHOR09	110070420757	Higher (960 ft.)	TP	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761
2	ECHOR09	110065139781	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761
3	ECHOR09	110070084832	Lower (947 ft.)	0.014 mi. E (74 ft.)	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761
3	ECHOR09	110070097080	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716
5	ECHOR09	110070423611	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPEMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761
5	ECHOR09	110070484971	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761
10	***ENVIROSTOR***	***36350005***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***
10	***ENVIROSTOR***	***71002447***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MFG. CO., INC.***	***724 S. BON VIEW AVENUE, ONTARIO, CA 91761***
26	***ENVIROSTOR***	***36360019***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ISAAC COHEN AND SON INC***	***717 SOUTH TAYLOR AVENUE, ONTARIO, CA 91761***
26	***ENVIROSTOR***	***36990004***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ONTARIO METAL RECYCLING***	***717 S. TAYLOR AVENUE, ONTARIO, CA 91761***
29	***ENVIROSTOR***	***36500005***	***Higher (972 ft.)***	***0.148 mi. NW (781 ft.)***	***D & M METALS, INC***	***824 EAST STATE STREET, ONTARIO, CA 91761***
49	***ENVIROSTOR***	***36200001***	***Higher (960 ft.)***	***0.345 mi. W (1822 ft.)***	***SUNKIST GROWERS***	***616 EAST SUNKIST STREET, ONTARIO, CA 91761***
50	***ENVIROSTOR***	***36000010***	***Higher (995 ft.)***	***0.348 mi. NW (1837 ft.)***	***CRUZ PROPERTY***	***757 E. EMPORIA STREET, ONTARIO, CA 91761***
51	***ENVIROSTOR***	***36490109***	***Lower (944 ft.)***	***0.375 mi. WSW (1980 ft.)***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***
59	***ENVIROSTOR***	***36340065***	***Lower (915 ft.)***	***0.502 mi. SSW (2651 ft.)***	***OAKWOOD INTERIORS SITE***	***1333 S BON VIEW AVE, ONTARIO, CA 91761***
61	***ENVIROSTOR***	***80001800***	***Higher (982 ft.)***	***0.570 mi. WNW (3010 ft.)***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN ST, ONTARIO, CA 91761***
62	***ENVIROSTOR***	***36720001***	***Higher (996 ft.)***	***0.996 mi. WNW (5259 ft.)***	***TERRA VISTA CLEANERS***	***213 W HOLT AVE., ONTARIO, CA 91762***
62	***ENVIROSTOR***	***36720002***	***Higher (996 ft.)***	***0.996 mi. WNW (5259 ft.)***	***ELITE CLEANERS***	***213 W HOLT AVE., ONTARIO, CA 91762***
61	***ENVIROSTORP CA***	***CAT000622357***	***Higher (982 ft.)***	***0.570 mi. WNW (3010 ft.)***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN ST, ONTARIO, CA 91761***

Site Summary By Database

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
1	FRSCA	110002862796	Higher (960 ft.)	TP	A B C PRODUCTS	621 S BON VIEW AVE, ONTARIO, CA 91761
1	FRSCA	110058212508	Higher (960 ft.)	TP	ABC WINDOW COMPANY	621 S BON VIEW AVE, ONTARIO, CA 91761
1	FRSCA	110070420757	Higher (960 ft.)	TP	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761
2	FRSCA	110065139781	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761
3	FRSCA	110070084832	Lower (947 ft.)	0.014 mi. E (74 ft.)	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761
3	FRSCA	110070097080	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716
5	FRSCA	110070423611	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPEMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761
5	FRSCA	110070484971	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761
60	FUDS	J09CA0531	Lower (916 ft.)	0.502 mi. E (2651 ft.)	ONTARIO ARMY AIRFIELD	SAN BERNARDINO COUNTY, ONTARIO, CA 91761
10	HISTCORTESE	36350005COR	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPA	724 BON VIEW, ONTARIO, CA 91761
24	HISTCORTESE	083601221TCOR	Lower (937 ft.)	0.118 mi. SE (623 ft.)	MISSION READY MIX	840 CUCAAMONGA, ONTARIO, CA 91761
32	HISTCORTESE	083602564TCOR	Lower (937 ft.)	0.170 mi. SE (898 ft.)	ONTARIO OMS #1.	905 CUCAAMONGA, ONTARIO, CA 91761
48	HISTCORTESE	083600231TCOR	Lower (921 ft.)	0.311 mi. E (1642 ft.)	LOCKHEED AIRCRAFT SERVICE	2411 ONTARIO AIRPORT, ONTARIO, CA 91764
49	HISTCORTESE	083603111TCOR	Higher (960 ft.)	0.345 mi. W (1822 ft.)	SUNKIST	616, ONTARIO, CA 91761
51	HISTCORTESE	36490109COR	Lower (944 ft.)	0.375 mi. WSW (1980 ft.)	SO CAL GAS/ONTARIO MGP	CNR CAMPUS MARTLAND MONTE, ONTARIO, CA 91761
52	HISTCORTESE	083603632TCOR	Higher (970 ft.)	0.392 mi. NE (2070 ft.)	HERTZ RENT A CAR	2060, ONTARIO, CA 91761
55	HISTCORTESE	083600809TCOR	Lower (922 ft.)	0.446 mi. SSW (2355 ft.)	GONZALES AND SONS	844, ONTARIO, CA 92716
56	HISTCORTESE	083603591TCOR	Higher (976 ft.)	0.464 mi. NE (2450 ft.)	BLACK GOLD	1194, ONTARIO, CA 91761
57	HISTCORTESE	083601143TCOR	Higher (980 ft.)	0.467 mi. WNW (2466 ft.)	UNOCAL BULK PLANT #0551	601, ONTARIO, CA 91761
58	HISTCORTESE	083603063TCOR	Higher (999 ft.)	0.484 mi. NW (2556 ft.)	POWER THRUST INC.	124, ONTARIO, CA 91764
1	***HISTUST***	***000298A4***	***Higher (960 ft.)***	***TP***	***BESTILE MFG CO***	***621 S BON VIEW, ONTARIO, CA 91761***
10	***HISTUST***	***000298C2***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 S BON VIEW AVENUE, ONTARIO, CA 91761***

Site Summary By Database

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
15	***HISTUST***	***00029DB7***	***Lower (950 ft.)***	***0.080 mi. SSW (422 ft.)***	***DONS WELDING SERVICE INC***	***854 EAST CALIFORNIA ST, ONTARIO, CA 91761***
17	***HISTUST***	***00029CDB***	***Higher (959 ft.)***	***0.091 mi. W (480 ft.)***	***COLUMBIA PEST CONTROL OF ONTAR***	***622 S HOPE AVE, ONTARIO, CA 91761***
24	***HISTUST***	***0002A26A***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX CONCRETE IN***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***
35	***HISTUST***	***00029DDE***	***Higher (976 ft.)***	***0.182 mi. NNW (961 ft.)***	***E-Z SERVE OF CALIF INC***	***316 S BON VIEW AVE, ONTARIO, CA 91761***
1	HWTS	CAC002647620	Higher (960 ft.)	TP	FLEET RV & BOAT STORAGE	627 S BON VIEW AVE, ONTARIO, CA 91761
1	HWTS	CAC002822991	Higher (960 ft.)	TP	SC FUELS	621 S BON VIEW AVE, ONTARIO, CA 91761
1	HWTS	CAD983608308	Higher (960 ft.)	TP	ABC WINDOW COMPANY, INC.	621 S BON VIEW AVE, ONTARIO, CA 91761
1	HWTS	CAL000411685	Higher (960 ft.)	TP	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761
5	HWTS	CAL000419716	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761
5	HWTS	CAL000437418	Lower (947 ft.)	0.020 mi. E (106 ft.)	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761
3	ICIS	110070097080	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716
2	ICISNPDES	CAZ288884INPDES	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761
3	ICISNPDES	CAW405437INPDES	Lower (947 ft.)	0.014 mi. E (74 ft.)	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761
3	ICISNPDES	CAZ480055INPDES	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716
24	***LUST***	***T0607100140***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***
48	***LUST***	***T0607181149***	***Lower (921 ft.)***	***0.311 mi. E (1642 ft.)***	***AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT***	***2500 E. AIRPORT DRIVE, ONTARIO, CA 91761***
49	***LUST***	***T0607100463***	***Higher (960 ft.)***	***0.345 mi. W (1822 ft.)***	***SUNKIST***	***616 E SUNKIST ST, ONTARIO, CA 91761***
52	***LUST***	***T0607100628***	***Higher (970 ft.)***	***0.392 mi. NE (2070 ft.)***	***HERTZ RENT A CAR***	***2060 E EMPORIA, ONTARIO, CA 91761***
54	***LUST***	***T0607100129***	***Higher (980 ft.)***	***0.428 mi. WNW (2260 ft.)***	***UNOCAL BULK PLANT #0551***	***601 E MAIN ST, ONTARIO, CA 91761***
55	***LUST***	***T0607100088***	***Lower (922 ft.)***	***0.446 mi. SSW (2355 ft.)***	***GONZALES AND SONS***	***844 WOODLAWN ST, ONTARIO, CA 92716***
56	***LUST***	***T0607100616***	***Higher (976 ft.)***	***0.463 mi. NE (2445 ft.)***	***BLACK GOLD***	***1194 E HOLT BLVD, ONTARIO, CA 91761***
58	***LUST***	***T0607100456***	***Higher (999 ft.)***	***0.484 mi. NW (2556 ft.)***	***POWER THRUST INC.***	***124 N CAMPUS AVE, ONTARIO, CA 91764***
26	NFA	36990004	Equal (954 ft.)	0.122 mi. W (644 ft.)	ONTARIO METAL RECYCLING	717 S. TAYLOR AVENUE, ONTARIO, CA 91761

Site Summary By Database

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
2	NPDES	2753670	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761
3	NPDES	946607906	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716
53	PROC	PR0011	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761
61	***RCRAC***	***CAT000622357***	***Higher (982 ft.)***	***0.570 mi. WNW (3010 ft.)***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN STREET, ONTARIO, CA 91761***
1	***RCRAGR09***	***CAD983608308***	***Higher (960 ft.)***	***TP***	***A B C PRODUCTS***	***621 S BON VIEW AVE, ONTARIO, CA 91761***
6	***RCRAGR09***	***CAD983584038***	***Equal (954 ft.)***	***0.024 mi. S (127 ft.)***	***INTER TRACTOR***	***921 E CALOFORNIA, ONTARIO, CA 91761***
7	***RCRAGR09***	***CA0000042242***	***Lower (950 ft.)***	***0.026 mi. W (137 ft.)***	***GLENCO MFG***	***716 S BON VIEW, ONTARIO, CA 91761***
8	***RCRAGR09***	***CAD981657836***	***Lower (950 ft.)***	***0.054 mi. W (285 ft.)***	***GLENCO MANFACTURING CO***	***707 S HOPE AVE, ONTARIO, CA 91761***
10	***RCRAGR09***	***CAD051980191***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY, INC.***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***
26	***RCRAGR09***	***CAD052851078***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***COHEN ISAAC & SON***	***717 S TAYLOR, ONTARIO, CA 91761***
1	***RCRANGR09***	***CAL000411685***	***Higher (960 ft.)***	***TP***	***SHAMROCK PAVING***	***621 S BON VIEW AVE, ONTARIO, CA 91761***
2	***RCRANGR09***	***CAL000324385***	***Equal (954 ft.)***	***0.009 mi. W (48 ft.)***	***FOAM ZONE INC***	***945 E CALIFORNIA ST, ONTARIO, CA 91761***
4	***RCRANGR09***	***CAL000400243***	***Higher (960 ft.)***	***0.026 mi. W (137 ft.)***	***PRIMO'S CYLINDER HEAD INC***	***630 S BON VIEW AVE, ONTARIO, CA 91761***
4	***RCRANGR09***	***CAL000414970***	***Higher (960 ft.)***	***0.026 mi. W (137 ft.)***	***I.E AUTOMOTIVE***	***628 S BON VIEW AVE UNIT B, ONTARIO, CA 91761***
5	***RCRANGR09***	***CAL000419890***	***Lower (947 ft.)***	***0.020 mi. E (106 ft.)***	***ONSITE TRUCK & EQUIPEMENT REPAIR INC***	***1060 ONTARIO BLVD, ONTARIO, CA 91761***
5	***RCRANGR09***	***CAL000437418***	***Lower (947 ft.)***	***0.020 mi. E (106 ft.)***	***ONSITE TRUCK & EQUIPMENT***	***1060 E ONTARIO BLVD, ONTARIO, CA 91761***
8	***RCRANGR09***	***CAL000368332***	***Lower (950 ft.)***	***0.054 mi. W (285 ft.)***	***S & H GLENCO MANUFACTURING LLC***	***707 S HOPE AVE, ONTARIO, CA 91761***
9	***RCRANGR09***	***CAR000240259***	***Lower (947 ft.)***	***0.032 mi. S (169 ft.)***	***GOLD BULL TRANSPORTATION INC***	***1024 CALIFORNIA ST, ONTARIO, CA 91761***
10	***RCRANGR09***	***CAL000357292***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER PRECISION MACHINING LLC***	***724 S BON VIEW AVE, ONTARIO, CA 91761***
10	***RCRANGR09***	***CAL000404983***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***SEAVIEW AGI ACQUISITIONS***	***724 S BON VIEW AVE, ONTARIO, CA 91761***
11	***RCRANGR09***	***CAL000327123***	***Lower (947 ft.)***	***0.044 mi. ENE (232 ft.)***	***KING EQUIPMENT LLC***	***1080 E ONTARIO BLVD, ONTARIO, CA 91761***
11	***RCRANGR09***	***CAL000421481***	***Lower (947 ft.)***	***0.044 mi. ENE (232 ft.)***	***KLEIN PRODUCTS INC***	***1080 E ONTARIO BLVD, ONTARIO, CA 91761***

Site Summary By Database

*NOTE: Standard environmental records are displayed in **bold**.*

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
12	***RCRANGR09***	***CAL000341684***	***Lower (947 ft.)***	***0.051 mi. SE (269 ft.)***	***AIRPORT MOBIL INC***	***1046 E CALIFORNIA ST, ONTARIO, CA 91761***
12	***RCRANGR09***	***CAL000378188***	***Lower (947 ft.)***	***0.076 mi. ESE (401 ft.)***	***PW REPAIRS INC***	***1064 E CALIFORNIA ST, ONTARIO, CA 91761***
13	***RCRANGR09***	***CAL000458285***	***Higher (959 ft.)***	***0.054 mi. W (285 ft.)***	***LYNWOOD PATTERN***	***603 S HOPE ST, ONTARIO, CA 91761***
15	***RCRANGR09***	***CAL000401609***	***Lower (950 ft.)***	***0.080 mi. SSW (422 ft.)***	***MEGA TRUCK & TRAILER REPAIR INC***	***854 E CALIFORNIA ST, ONTARIO, CA 91761***
16	***RCRANGR09***	***CAL000440687***	***Lower (947 ft.)***	***0.082 mi. E (433 ft.)***	***PATTON SALES CORP DBA PATTON STEEL QUEEN CITY STEEL***	***1095 E CALIFORNIA ST, ONTARIO, CA 91761***
18	***RCRANGR09***	***CAL000238576***	***Equal (954 ft.)***	***0.093 mi. W (491 ft.)***	***SIERRA TORQUE CONVERTERS & SECONDARY***	***710 S HOPE AVE, ONTARIO, CA 91761***
20	***RCRANGR09***	***CAL000307793***	***Higher (973 ft.)***	***0.094 mi. N (496 ft.)***	***CASTROS TOWING & GENERAL AUTO***	***409 S BON VIEW AVE STE B, ONTARIO, CA 91761***
20	***RCRANGR09***	***CAL000401299***	***Higher (973 ft.)***	***0.094 mi. N (496 ft.)***	***NORMAN'S AUTO REPAIR***	***409 S BON VIEW AVE STE A, ONTARIO, CA 91761***
21	***RCRANGR09***	***CAL000378610***	***Higher (973 ft.)***	***0.108 mi. NNW (570 ft.)***	***MBA AUTO BODY PAINT & COLLISION***	***404 S BON VIEW AVE, ONTARIO, CA 91761***
21	***RCRANGR09***	***CAL000444629***	***Higher (973 ft.)***	***0.107 mi. NNW (565 ft.)***	***ONTARIO AUTO BODY CRAFT & COLLISION***	***406 S BON VIEW AVE, ONTARIO, CA 91761***
21	***RCRANGR09***	***CAL000445481***	***Higher (973 ft.)***	***0.116 mi. NNW (612 ft.)***	***HOLT AUTOBODY AND PAINT***	***402 S BON VIEW AVE, ONTARIO, CA 91761***
21	***RCRANGR09***	***CAP000148379***	***Higher (973 ft.)***	***0.098 mi. NNW (517 ft.)***	***WESTERN TECHNOLOGY ASSOCIATES***	***418 SOUTH BON VIEW AVE, ONTARIO, CA 91716***
23	***RCRANGR09***	***CAL000277999***	***Higher (972 ft.)***	***0.118 mi. NW (623 ft.)***	***D & M METALS***	***840 E STATE ST, ONTARIO, CA 91761***
25	***RCRANGR09***	***CAC003001133***	***Equal (954 ft.)***	***0.120 mi. W (634 ft.)***	***HARRIE COHEN***	***635 TAYLOR AVENUE, ONTARIO, CA 91761***
10	REF	36350005	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPANY	724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761
10	REF	71002447	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MFG. CO., INC.	724 S. BON VIEW AVENUE, ONTARIO, CA 91761
29	REF	36500005	Higher (972 ft.)	0.148 mi. NW (781 ft.)	D & M METALS, INC	824 EAST STATE STREET, ONTARIO, CA 91761
49	REF	36200001	Higher (960 ft.)	0.345 mi. W (1822 ft.)	SUNKIST GROWERS	616 EAST SUNKIST STREET, ONTARIO, CA 91761
50	REF	36000010	Higher (995 ft.)	0.348 mi. NW (1837 ft.)	CRUZ PROPERTY	757 E. EMPORIA STREET, ONTARIO, CA 91761
1	SBFD	FA0000193	Higher (960 ft.)	TP	ABC WINDOW CO., INC	621 S BON VIEW AVE, ONTARIO, CA 91761
2	SBFD	FA0011197	Equal (954 ft.)	0.009 mi. W (48 ft.)	FOAM ZONE INC.	945 E CALIFORNIA ST, ONTARIO, CA 91761

Site Summary By Database

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
3	SBFD	FA0018276	Lower (947 ft.)	0.014 mi. E (74 ft.)	UNIVERSAL CORE, INC.	1075 E CALIFORNIA ST, ONTARIO, CA 91761
4	SBFD	FA0003475	Higher (960 ft.)	0.017 mi. W (90 ft.)	GLENCO MANUFACTURING COMPANY	716 S BON VIEW AVE, ONTARIO, CA 91761
8	SBFD	FA0012997	Lower (950 ft.)	0.054 mi. W (285 ft.)	S&H GLENCO MANUFACTURING, LLC	707 S HOPE AVE, ONTARIO, CA 91761
10	SBFD	FA0000815	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER PRECISION MACHINING, LLC	724 S BON VIEW AVE, ONTARIO, CA 91761
11	SBFD	FA0015636	Lower (947 ft.)	0.044 mi. ENE (232 ft.)	KING EQUIPMENT	1080 E ONTARIO BLVD, ONTARIO, CA 91761
11	SBFD	FA0017585	Lower (947 ft.)	0.044 mi. ENE (232 ft.)	KLEIN PRODUCTS, INC.	1080 ONTARIO BLVD, ONTARIO, CA 91761
12	SBFD	FA0014964	Lower (947 ft.)	0.051 mi. SE (269 ft.)	AIRPORT MOBIL TOWING	1046 E CALIFORNIA, ONTARIO, CA 91761
12	SBFD	FA0015695	Lower (947 ft.)	0.076 mi. ESE (401 ft.)	PW REPAIRS	1064 E CALIFORNIA ST, ONTARIO, CA 91761
13	SBFD	FA0000874	Higher (959 ft.)	0.059 mi. W (312 ft.)	ALUM-ALLOY COMPANY INC	603 S HOPE AVE, ONTARIO, CA 91761
14	SBFD	FA0009883	Lower (950 ft.)	0.071 mi. S (375 ft.)	VACANT PROPERTY	902 CALIFORNIA ST, ONTARIO, CA 91761
15	SBFD	FA0010871	Lower (950 ft.)	0.084 mi. SW (444 ft.)	INDUSTRIAL EQUIPMENT REPAIR	854 E CALIFORNIA, ONTARIO, CA 91761
15	SBFD	FA0015633	Lower (950 ft.)	0.080 mi. SSW (422 ft.)	MEGA TRUCK & TRAILER REPAIR	854 E CALIFORNIA ST, ONTARIO, CA 91761
17	SBFD	FA0002442	Higher (959 ft.)	0.093 mi. W (491 ft.)	COLUMBIA PEST CTRL OF ONT	622 S HOPE AVE, ONTARIO, CA 91761
17	SBFD	FA0008444	Higher (959 ft.)	0.093 mi. W (491 ft.)	CAPITAL IRON	602 S HOPE AVE, ONTARIO, CA 91761
18	SBFD	FA0006182	Equal (954 ft.)	0.093 mi. W (491 ft.)	SIERRA TORQUE CONVERTER & SECONDARY	710 HOPE AVE, ONTARIO, CA 91761
19	SBFD	FA0003447	Higher (959 ft.)	0.093 mi. W (491 ft.)	GENERAL OUTDOOR ADVERTISING	632 S HOPE AVE, ONTARIO, CA 91761
20	SBFD	FA0010009	Higher (973 ft.)	0.095 mi. N (502 ft.)	TARAHUMARA AUTO REPAIR	409 S BON VIEW AVE B, ONTARIO, CA 91761
20	SBFD	FA0010543	Higher (973 ft.)	0.095 mi. N (502 ft.)	CASTRO'S TOWING & GENERAL AUTO	409 S BON VIEW STE B, ONTARIO, CA 91761
20	SBFD	FA0010682	Higher (973 ft.)	0.095 mi. N (502 ft.)	A-1 AUTOMOTIVE REPAIR	409 S BON VIEW STE A, ONTARIO, CA 91761
20	SBFD	FA0015725	Higher (973 ft.)	0.097 mi. N (512 ft.)	NORMAN'S AUTO REPAIR	409 S BON VIEW AVE A, ONTARIO, CA 91761
21	SBFD	FA0005597	Higher (973 ft.)	0.095 mi. NNW (502 ft.)	MEDINA'S AUTO BODY	422 S BON VIEW AVE, ONTARIO, CA 91761

Site Summary By Database

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
21	SBFD	FA0007479	Higher (973 ft.)	0.108 mi. NNW (570 ft.)	GENERAL AUTO	402 S BON VIEW AVE, ONTARIO, CA 91761
21	SBFD	FA0009801	Higher (973 ft.)	0.108 mi. NNW (570 ft.)	FRANCO AUTO REPAIR	412 S BON VIEW AVE, ONTARIO, CA 91761
21	SBFD	FA0012953	Higher (973 ft.)	0.116 mi. NNW (612 ft.)	RSR AUTO REPAIR AND BODY SHOP	402 S BON VIEW, ONTARIO, CA 91761
21	SBFD	FA0012954	Higher (973 ft.)	0.108 mi. NNW (570 ft.)	MBA AUTO BODY PAINT & COLLISION	404 S BON VIEW, ONTARIO, CA 91761
21	SBFD	FA0018148	Higher (973 ft.)	0.107 mi. NNW (565 ft.)	ONTARIO AUTO BODY	406 S BONVIEW, ONTARIO, CA 91761
23	SBFD	FA0002601	Higher (972 ft.)	0.118 mi. NW (623 ft.)	D & M METALS	840 E STATE ST, ONTARIO, CA 91761
24	SBFD	FA0004754	Lower (937 ft.)	0.140 mi. SE (739 ft.)	HOLLIDAY ROCK - ONTARIO	840 S CUCAMONGA AVE, ONTARIO, CA 91762
25	SBFD	FA0015841	Equal (954 ft.)	0.120 mi. W (634 ft.)	ONTARIO PROPERTY	635 S TAYLOR AVE, ONTARIO, CA 91761
27	SBFD	FA0009440	Equal (954 ft.)	0.126 mi. WSW (665 ft.)	J & J INDUSTRIAL SERVICES	820 E CALIFORNIA ST, ONTARIO, CA 91761
28	SBFD	FA0004270	Lower (937 ft.)	0.136 mi. SE (718 ft.)	KLEIN PRODUCTS, INC.	816 S CUCAMONGA AVE, ONTARIO, CA 91761
28	SBFD	FA0017179	Lower (937 ft.)	0.136 mi. SE (718 ft.)	NICKOLAS STEEL, INC.	816 S CUCAMONGA AVE, ONTARIO, CA 91761
30	SBFD	FA0005157	Higher (972 ft.)	0.141 mi. WNW (744 ft.)	PACIFIC AUTO WRECKING	802 E ONTARIO BLVD, ONTARIO, CA 91761
31	SBFD	FA0001756	Lower (948 ft.)	0.147 mi. E (776 ft.)	CAN-AM AUTO SALVAGE INC	1101 E CALIFORNIA ST, ONTARIO, CA 91761
31	SBFD	FA0008266	Lower (948 ft.)	0.147 mi. E (776 ft.)	A & A USED AUTO PARTS	1101 E CALIFORNIA ST STE A, ONTARIO, CA 91761
31	SBFD	FA0013419	Lower (948 ft.)	0.147 mi. E (776 ft.)	BIG THREE AUTO DISMANTLING INC	1101 E CALIFORNIA ST UNIT B, ONTARIO, CA 91761
33	SBFD	FA0007508	Equal (954 ft.)	0.175 mi. WSW (924 ft.)	PREFERRED POOLS	758 E CALIFORNIA, ONTARIO, CA 91762
33	SBFD	FA0014731	Equal (954 ft.)	0.175 mi. WSW (924 ft.)	WATERWAYS POOLS	758 E CALIFORNIA, ONTARIO, CA 91762
34	SBFD	FA0004524	Higher (976 ft.)	0.180 mi. N (950 ft.)	M & M MACHINERY	810 E MAIN ST, ONTARIO, CA 91761
34	SBFD	FA0006284	Higher (976 ft.)	0.180 mi. N (950 ft.)	ICL PERFORMANCE PRODUCTS LP	810 E MAIN ST, ONTARIO, CA 91761
35	SBFD	FA0006185	Higher (976 ft.)	0.182 mi. NNW (961 ft.)	SIGMA CORPORATION	316 S BON VIEW AVE, ONTARIO, CA 91761
36	SBFD	FA0013371	Lower (948 ft.)	0.184 mi. E (972 ft.)	CAN AM AUTO SALVAGE INC	1125 E CALIFORNIA ST, ONTARIO, CA 91761

Site Summary By Database

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
37	SBFD	FA0017686	Higher (979 ft.)	0.195 mi. NNW (1030 ft.)	JC HORIZON LTD.	825 E STATE ST, ONTARIO, CA 91761
38	SBFD	FA0009214	Lower (950 ft.)	0.199 mi. W (1051 ft.)	AW COULTER TRUCKING	737 E CALIFORNIA ST, ONTARIO, CA 91761
39	SBFD	FA0012686	Lower (950 ft.)	0.207 mi. W (1093 ft.)	ALTA ADVANCED TECHNOLOGIES INC	760 E SUNKIST ST, ONTARIO, CA 91761
39	SBFD	FA0017830	Lower (950 ft.)	0.207 mi. W (1093 ft.)	VITCO DISTRIBUTORS	715 E CALIFORNIA ST, ONTARIO, CA 91761
40	SBFD	FA0004638	Higher (973 ft.)	0.219 mi. WNW (1156 ft.)	VERIZON BUSINESS: ONTRCA	756 E STATE ST, ONTARIO, CA 91761
40	SBFD	FA0008162	Higher (973 ft.)	0.237 mi. WNW (1251 ft.)	BAUSMAN & COMPANY	745 E STATE ST, ONTARIO, CA 91761
41	SBFD	FA0015686	Lower (931 ft.)	0.224 mi. ESE (1183 ft.)	HEREWEGO LLC DBA PIRTEK INLAND VALLEY	909 S CUCAMONGA AVE STE 101, ONTARIO, CA 91761
42	SBFD	FA0013260	Higher (981 ft.)	0.226 mi. NW (1193 ft.)	AG CONSTRUCTION	807 E STATE ST, ONTARIO, CA 91761
43	SBFD	FA0007696	Lower (926 ft.)	0.226 mi. S (1193 ft.)	LEGACY SUPPLY CHAIN SERVICES	1000 S CUCAMONGA AVE, ONTARIO, CA 91761
44	SBFD	FA0005935	Higher (955 ft.)	0.229 mi. ENE (1209 ft.)	SAXON BROS EQUIPMENT	1128 E STATE ST, ONTARIO, CA 91761
45	SBFD	FA0015185	Higher (961 ft.)	0.243 mi. W (1283 ft.)	SUMMERS BROTHERS INC.	720 E SUNKIST ST STE 103, ONTARIO, CA 91761
46	SBFD	FA0003932	Lower (950 ft.)	0.244 mi. W (1288 ft.)	BLACK HILLS ONTARIO LLC	705 E CALIFORNIA ST, ONTARIO, CA 91761
22	SBMW	431820152	Lower (942 ft.)	0.113 mi. S (597 ft.)	WEST END SHELTER	1010 E MISSION BL, ONTARIO, CA 91761
47	***SEMS***	***CAN000903310***	***Higher (970 ft.)***	***0.261 mi. NE (1378 ft.)***	***CERTIFIED TOWING ABANDONED DRUMS***	***1135 E. STATE STREET, ONTARIO, CA 91761***
10	***SEMSARCH***	***CAD051980191***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MFG CO***	***724 S BON VIEW AVE, ONTARIO, CA 91761***
26	***SEMSARCH***	***CAD052851078***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***COHEN ISAAC & SON INC***	***717 S TAYLOR, ONTARIO, CA 91761***
29	***SEMSARCH***	***CAD982360067***	***Higher (972 ft.)***	***0.148 mi. NW (781 ft.)***	***D&M METALS INC***	***824 E STATE ST, ONTARIO, CA 91761***
49	***SEMSARCH***	***CAD008514051***	***Higher (960 ft.)***	***0.345 mi. W (1822 ft.)***	***SUNKIST GROWERS***	***616 E SUNKIST ST, ONTARIO, CA 91761***
10	SLIC	8-8 - 187	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER	724 S BON VIEW AVE, ONTARIO, CA
10	SLIC	SL208413896	Lower (950 ft.)	0.042 mi. SW (222 ft.)	ALGER MANUFACTURING COMPANY INC	724 BON VIEW, ONTARIO, CA 91761
10	***SWEEPS***	***A36-000-52961***	***Lower (950 ft.)***	***0.042 mi. SW (222 ft.)***	***ALGER MANUFACTURING COMPANY***	***724 S BON VIEW AVE, ONTARIO, CA 91761***
15	***SWEEPS***	***A36-000-19685***	***Lower (950 ft.)***	***0.080 mi. SSW (422 ft.)***	***DON'S WELDING SERVICE INC.***	***854 E CALIFORNIA ST, ONTARIO, CA 91761***

Site Summary By Database

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Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
17	***SWEEPS***	***A36-000-40489***	***Higher (959 ft.)***	***0.091 mi. W (480 ft.)***	***COLUMBIA PEST CONTROL OF ONTAR***	***622 S HOPE AVE, ONTARIO, CA 91761***
24	***SWEEPS***	***A36-000-12855***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***MISSION READY MIX CONCRETE, IN***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***
35	***SWEEPS***	***A36-000-13365***	***Higher (976 ft.)***	***0.182 mi. NNW (961 ft.)***	***E-Z SERVE OF CALIF., INC.***	***316 S BON VIEW AVE, ONTARIO, CA 91761***
23	SWRCY	RC194495.001	Higher (972 ft.)	0.118 mi. NW (623 ft.)	D & M METALS	840 E STATE ST, ONTARIO, CA 91761
23	SWRCY	RC4663	Higher (972 ft.)	0.140 mi. NW (739 ft.)	D AND M METALS	840 E STATE ST, ONTARIO, CA 91761
53	SWRCY	PR0011	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761
53	SWRCY	RC0070	Higher (980 ft.)	0.402 mi. WNW (2123 ft.)	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761
54	SWRCY	RC11004	Higher (980 ft.)	0.427 mi. WNW (2255 ft.)	MAIN STREET FIBERS INC	653 E MAIN ST, ONTARIO, CA 91761
24	***USTCUPA***	***3255466561***	***Lower (937 ft.)***	***0.140 mi. SE (739 ft.)***	***HOLLIDAY ROCK - ONTARIO***	***840 S. CUCAMONGA AVE., ONTARIO, CA 91762***
26	***VCP***	***36990004***	***Equal (954 ft.)***	***0.122 mi. W (644 ft.)***	***ONTARIO METAL RECYCLING***	***717 S. TAYLOR AVENUE, ONTARIO, CA 91761***
51	***VCP***	***36490109***	***Lower (944 ft.)***	***0.375 mi. WSW (1980 ft.)***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***

Elevation Summary

Elevations are collected from the USGS 3D Elevation Program 1/3 arc-second (approximately 10 meters) layer hosted at the NGTOC. .

Target Property Elevation: 954 ft.

*NOTE: Standard environmental records are displayed in **bold**.*

EQUAL/HIGHER ELEVATION

Map ID#	Database Name	Elevation	Site Name	Address	Page #
1	ECHOR09	960 ft.	A B C PRODUCTS	621 S BON VIEW AVE, ONTARIO, CA 91761	46
1	ECHOR09	960 ft.	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761	47
1	FRSCA	960 ft.	A B C PRODUCTS	621 S BON VIEW AVE, ONTARIO, CA 91761	48
1	FRSCA	960 ft.	ABC WINDOW COMPANY	621 S BON VIEW AVE, ONTARIO, CA 91761	49
1	FRSCA	960 ft.	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761	50
1	***HISTUST***	***960 ft.***	***BESTILE MFG CO***	***621 S BON VIEW, ONTARIO, CA 91761***	***51***
1	HWTS	960 ft.	FLEET RV & BOAT STORAGE	627 S BON VIEW AVE, ONTARIO, CA 91761	53
1	HWTS	960 ft.	SC FUELS	621 S BON VIEW AVE, ONTARIO, CA 91761	55
1	HWTS	960 ft.	ABC WINDOW COMPANY, INC.	621 S BON VIEW AVE, ONTARIO, CA 91761	56
1	HWTS	960 ft.	SHAMROCK PAVING	621 S BON VIEW AVE, ONTARIO, CA 91761	64
1	***RCRAGR09***	***960 ft.***	***A B C PRODUCTS***	***621 S BON VIEW AVE, ONTARIO, CA 91761***	***66***
1	***RCRANGR09***	***960 ft.***	***SHAMROCK PAVING***	***621 S BON VIEW AVE, ONTARIO, CA 91761***	***68***
1	SBFD	960 ft.	ABC WINDOW CO., INC	621 S BON VIEW AVE, ONTARIO, CA 91761	70
2	ECHOR09	954 ft.	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	71
2	FRSCA	954 ft.	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	72
2	ICISNPDES	954 ft.	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	73
2	NPDES	954 ft.	FOAM ZONE INC	945 E CALIFORNIA ST, ONTARIO, CA 91761	75
2	***RCRANGR09***	***954 ft.***	***FOAM ZONE INC***	***945 E CALIFORNIA ST, ONTARIO, CA 91761***	***76***
2	SBFD	954 ft.	FOAM ZONE INC.	945 E CALIFORNIA ST, ONTARIO, CA 91761	78
4	***RCRANGR09***	***960 ft.***	***PRIMO'S CYLINDER HEAD INC***	***630 S BON VIEW AVE, ONTARIO, CA 91761***	***92***
4	***RCRANGR09***	***960 ft.***	***I.E AUTOMOTIVE***	***628 S BON VIEW AVE UNIT B, ONTARIO, CA 91761***	***94***
4	SBFD	960 ft.	GLENCO MANUFACTURING COMPANY	716 S BON VIEW AVE, ONTARIO, CA 91761	96
6	***RCRAGR09***	***954 ft.***	***INTER TRACTOR***	***921 E CALOFORNIA, ONTARIO, CA 91761***	***108***

Elevation Summary

Map ID#	Database Name	Elevation	Site Name	Address	Page #
13	***RCRANGR09***	***959 ft.***	***LYNWOOD PATTERN***	***603 S HOPE ST, ONTARIO, CA 91761***	***167***
13	SBFD	959 ft.	ALUM-ALLOY COMPANY INC	603 S HOPE AVE, ONTARIO, CA 91761	169
17	***HISTUST***	***959 ft.***	***COLUMBIA PEST CONTROL OF ONTAR***	***622 S HOPE AVE, ONTARIO, CA 91761***	***180***
17	SBFD	959 ft.	COLUMBIA PEST CTRL OF ONT	622 S HOPE AVE, ONTARIO, CA 91761	181
17	SBFD	959 ft.	CAPITAL IRON	602 S HOPE AVE, ONTARIO, CA 91761	182
17	***SWEEPS***	***959 ft.***	***COLUMBIA PEST CONTROL OF ONTAR***	***622 S HOPE AVE, ONTARIO, CA 91761***	***183***
18	***RCRANGR09***	***954 ft.***	***SIERRA TORQUE CONVERTERS & SECONDARY***	***710 S HOPE AVE, ONTARIO, CA 91761***	***184***
18	SBFD	954 ft.	SIERRA TORQUE CONVERTER & SECONDARY	710 HOPE AVE, ONTARIO, CA 91761	186
19	SBFD	959 ft.	GENERAL OUTDOOR ADVERTISING	632 S HOPE AVE, ONTARIO, CA 91761	188
20	***RCRANGR09***	***973 ft.***	***CASTROS TOWING & GENERAL AUTO***	***409 S BON VIEW AVE STE B, ONTARIO, CA 91761***	***189***
20	***RCRANGR09***	***973 ft.***	***NORMAN'S AUTO REPAIR***	***409 S BON VIEW AVE STE A, ONTARIO, CA 91761***	***191***
20	SBFD	973 ft.	TARAHUMARA AUTO REPAIR	409 S BON VIEW AVE B, ONTARIO, CA 91761	193
20	SBFD	973 ft.	CASTRO'S TOWING & GENERAL AUTO	409 S BON VIEW STE B, ONTARIO, CA 91761	194
20	SBFD	973 ft.	A-1 AUTOMOTIVE REPAIR	409 S BON VIEW STE A, ONTARIO, CA 91761	195
20	SBFD	973 ft.	NORMAN'S AUTO REPAIR	409 S BON VIEW AVE A, ONTARIO, CA 91761	196
21	***RCRANGR09***	***973 ft.***	***MBA AUTO BODY PAINT & COLLISION***	***404 S BON VIEW AVE, ONTARIO, CA 91761***	***197***
21	***RCRANGR09***	***973 ft.***	***ONTARIO AUTO BODY CRAFT & COLLISION***	***406 S BON VIEW AVE, ONTARIO, CA 91761***	***199***
21	***RCRANGR09***	***973 ft.***	***HOLT AUTOBODY AND PAINT***	***402 S BON VIEW AVE, ONTARIO, CA 91761***	***201***
21	***RCRANGR09***	***973 ft.***	***WESTERN TECHNOLOGY ASSOCIATES***	***418 SOUTH BON VIEW AVE, ONTARIO, CA 91716***	***203***
21	SBFD	973 ft.	MEDINA'S AUTO BODY	422 S BON VIEW AVE, ONTARIO, CA 91761	205
21	SBFD	973 ft.	GENERAL AUTO	402 S BON VIEW AVE, ONTARIO, CA 91761	206
21	SBFD	973 ft.	FRANCO AUTO REPAIR	412 S BON VIEW AVE, ONTARIO, CA 91761	207
21	SBFD	973 ft.	RSR AUTO REPAIR AND BODY SHOP	402 S BON VIEW, ONTARIO, CA 91761	208
21	SBFD	973 ft.	MBA AUTO BODY PAINT & COLLISION	404 S BON VIEW, ONTARIO, CA 91761	209
21	SBFD	973 ft.	ONTARIO AUTO BODY	406 S BONVIEW, ONTARIO, CA 91761	210
23	***ABST***	***972 ft.***	***D & M METALS***	***840 E STATE ST, ONTARIO, CA 91761***	***212***
23	***RCRANGR09***	***972 ft.***	***D & M METALS***	***840 E STATE ST, ONTARIO, CA 91761***	***221***
23	SBFD	972 ft.	D & M METALS	840 E STATE ST, ONTARIO, CA 91761	223
23	SWRCY	972 ft.	D & M METALS	840 E STATE ST, ONTARIO, CA 91761	225
23	SWRCY	972 ft.	D AND M METALS	840 E STATE ST, ONTARIO, CA 91761	226

Elevation Summary

Map ID#	Database Name	Elevation	Site Name	Address	Page #
25	***RCRANGR09***	***954 ft.***	***HARRIE COHEN***	***635 TAYLOR AVENUE, ONTARIO, CA 91761***	***238***
25	SBFD	954 ft.	ONTARIO PROPERTY	635 S TAYLOR AVE, ONTARIO, CA 91761	240
26	***CALSITES***	***954 ft.***	***ISAAC COHEN AND SON INC***	***717 SOUTH TAYLOR AVENUE, ONTARIO, CA 91761***	***241***
26	***ENVIROSTOR***	***954 ft.***	***ISAAC COHEN AND SON INC***	***717 SOUTH TAYLOR AVENUE, ONTARIO, CA 91761***	***242***
26	***ENVIROSTOR***	***954 ft.***	***ONTARIO METAL RECYCLING***	***717 S. TAYLOR AVENUE, ONTARIO, CA 91761***	***243***
26	NFA	954 ft.	ONTARIO METAL RECYCLING	717 S. TAYLOR AVENUE, ONTARIO, CA 91761	244
26	***RCRAGR09***	***954 ft.***	***COHEN ISAAC & SON***	***717 S TAYLOR, ONTARIO, CA 91761***	***245***
26	***SEMSARCH***	***954 ft.***	***COHEN ISAAC & SON INC***	***717 S TAYLOR, ONTARIO, CA 91761***	***247***
26	***VCP***	***954 ft.***	***ONTARIO METAL RECYCLING***	***717 S. TAYLOR AVENUE, ONTARIO, CA 91761***	***248***
27	SBFD	954 ft.	J & J INDUSTRIAL SERVICES	820 E CALIFORNIA ST, ONTARIO, CA 91761	249
29	***CALSITES***	***972 ft.***	***D & M METALS, INC***	***824 EAST STATE STREET, ONTARIO, CA 91761***	***252***
29	***ENVIROSTOR***	***972 ft.***	***D & M METALS, INC***	***824 EAST STATE STREET, ONTARIO, CA 91761***	***253***
29	REF	972 ft.	D & M METALS, INC	824 EAST STATE STREET, ONTARIO, CA 91761	254
29	***SEMSARCH***	***972 ft.***	***D&M METALS INC***	***824 E STATE ST, ONTARIO, CA 91761***	***255***
30	SBFD	972 ft.	PACIFIC AUTO WRECKING	802 E ONTARIO BLVD, ONTARIO, CA 91761	256
33	SBFD	954 ft.	PREFERRED POOLS	758 E CALIFORNIA, ONTARIO, CA 91762	261
33	SBFD	954 ft.	WATERWAYS POOLS	758 E CALIFORNIA, ONTARIO, CA 91762	262
34	SBFD	976 ft.	M & M MACHINERY	810 E MAIN ST, ONTARIO, CA 91761	263
34	SBFD	976 ft.	ICL PERFORMANCE PRODUCTS LP	810 E MAIN ST, ONTARIO, CA 91761	264
35	***HISTUST***	***976 ft.***	***E-Z SERVE OF CALIF INC***	***316 S BON VIEW AVE, ONTARIO, CA 91761***	***265***
35	SBFD	976 ft.	SIGMA CORPORATION	316 S BON VIEW AVE, ONTARIO, CA 91761	268
35	***SWEEPS***	***976 ft.***	***E-Z SERVE OF CALIF., INC.***	***316 S BON VIEW AVE, ONTARIO, CA 91761***	***269***
37	SBFD	979 ft.	JC HORIZON LTD.	825 E STATE ST, ONTARIO, CA 91761	271
40	SBFD	973 ft.	VERIZON BUSINESS: ONTRCA	756 E STATE ST, ONTARIO, CA 91761	276
40	SBFD	973 ft.	BAUSMAN & COMPANY	745 E STATE ST, ONTARIO, CA 91761	277
42	SBFD	981 ft.	AG CONSTRUCTION	807 E STATE ST, ONTARIO, CA 91761	279
44	SBFD	955 ft.	SAXON BROS EQUIPMENT	1128 E STATE ST, ONTARIO, CA 91761	288
45	SBFD	961 ft.	SUMMERS BROTHERS INC.	720 E SUNKIST ST STE 103, ONTARIO, CA 91761	289
47	***SEMS***	***970 ft.***	***CERTIFIED TOWING ABANDONED DRUMS***	***1135 E. STATE STREET, ONTARIO, CA 91761***	***292***
49	***CALSITES***	***960 ft.***	***SUNKIST GROWERS***	***616 EAST SUNKIST STREET, ONTARIO, CA 91761***	***305***
49	***CLEANUPSITES***	***960 ft.***	***SUNKIST***	***616 E SUNKIST ST, ONTARIO, CA 91761***	***306***

Elevation Summary

Map ID#	Database Name	Elevation	Site Name	Address	Page #
49	***ENVIROSTOR***	***960 ft.***	***SUNKIST GROWERS***	***616 EAST SUNKIST STREET, ONTARIO, CA 91761***	***307***
49	HISTCORTESE	960 ft.	SUNKIST	616, ONTARIO, CA 91761	308
49	***LUST***	***960 ft.***	***SUNKIST***	***616 E SUNKIST ST, ONTARIO, CA 91761***	***309***
49	REF	960 ft.	SUNKIST GROWERS	616 EAST SUNKIST STREET, ONTARIO, CA 91761	310
49	***SEMSARCH***	***960 ft.***	***SUNKIST GROWERS***	***616 E SUNKIST ST, ONTARIO, CA 91761***	***311***
50	***ENVIROSTOR***	***995 ft.***	***CRUZ PROPERTY***	***757 E. EMPORIA STREET, ONTARIO, CA 91761***	***312***
50	REF	995 ft.	CRUZ PROPERTY	757 E. EMPORIA STREET, ONTARIO, CA 91761	313
52	***CLEANUPSITES***	***970 ft.***	***HERTZ RENT A CAR***	***2060 E EMPORIA, ONTARIO, CA 91761***	***318***
52	HISTCORTESE	970 ft.	HERTZ RENT A CAR	2060, ONTARIO, CA 91761	319
52	***LUST***	***970 ft.***	***HERTZ RENT A CAR***	***2060 E EMPORIA, ONTARIO, CA 91761***	***320***
53	DROP	980 ft.	MAIN STREET FIBERS	608 E MAIN ST, ONTARIO, CA 91761	321
53	PROC	980 ft.	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761	322
53	SWRCY	980 ft.	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761	323
53	SWRCY	980 ft.	MAIN STREET FIBERS INC	608 E MAIN ST, ONTARIO, CA 91761	324
54	***CLEANUPSITES***	***980 ft.***	***UNOCAL BULK PLANT #0551***	***601 E MAIN ST, ONTARIO, CA 91761***	***325***
54	***LUST***	***980 ft.***	***UNOCAL BULK PLANT #0551***	***601 E MAIN ST, ONTARIO, CA 91761***	***326***
54	SWRCY	980 ft.	MAIN STREET FIBERS INC	653 E MAIN ST, ONTARIO, CA 91761	327
56	***CLEANUPSITES***	***976 ft.***	***BLACK GOLD***	***1194 E HOLT BLVD, ONTARIO, CA 91761***	***332***
56	HISTCORTESE	976 ft.	BLACK GOLD	1194, ONTARIO, CA 91761	334
56	***LUST***	***976 ft.***	***BLACK GOLD***	***1194 E HOLT BLVD, ONTARIO, CA 91761***	***335***
57	HISTCORTESE	980 ft.	UNOCAL BULK PLANT #0551	601, ONTARIO, CA 91761	336
58	***CLEANUPSITES***	***999 ft.***	***POWER THRUST INC.***	***124 N CAMPUS AVE, ONTARIO, CA 91764***	***337***
58	HISTCORTESE	999 ft.	POWER THRUST INC.	124, ONTARIO, CA 91764	339
58	***LUST***	***999 ft.***	***POWER THRUST INC.***	***124 N CAMPUS AVE, ONTARIO, CA 91764***	***340***
61	***ENVIROSTOR***	***982 ft.***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN ST, ONTARIO, CA 91761***	***346***
61	***ENVIROSTORPCA***	***982 ft.***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN ST, ONTARIO, CA 91761***	***347***
61	***RCRAC***	***982 ft.***	***GENERAL ELECTRIC COMPANY***	***234 EAST MAIN STREET, ONTARIO, CA 91761***	***349***
62	***ENVIROSTOR***	***996 ft.***	***TERRA VISTA CLEANERS***	***213 W HOLT AVE., ONTARIO, CA 91762***	***356***
62	***ENVIROSTOR***	***996 ft.***	***ELITE CLEANERS***	***213 W HOLT AVE., ONTARIO, CA 91762***	***357***

LOWER ELEVATION

Map ID#	Database Name	Elevation	Site Name	Address	Page #
3	ECHOR09	947 ft.	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761	80
3	ECHOR09	947 ft.	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	81

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Map ID#	Database Name	Elevation	Site Name	Address	Page #
3	FRSCA	947 ft.	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761	82
3	FRSCA	947 ft.	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	83
3	ICIS	947 ft.	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	84
3	ICISNPDES	947 ft.	JANUARY TRANSPORT INC	1075 E. CALIFORNIA ST., ONTARIO, CA 91761	85
3	ICISNPDES	947 ft.	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	87
3	NPDES	947 ft.	UNIVERSAL CORE INC	1075 EAST CALIFORNIA STREET, ONTARIO, CA 91716	90
3	SBFD	947 ft.	UNIVERSAL CORE, INC.	1075 E CALIFORNIA ST, ONTARIO, CA 91761	91
5	ECHOR09	947 ft.	ONSITE TRUCK & EQUIPEMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761	97
5	ECHOR09	947 ft.	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761	98
5	FRSCA	947 ft.	ONSITE TRUCK & EQUIPEMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761	99
5	FRSCA	947 ft.	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761	100
5	HWTS	947 ft.	ONSITE TRUCK & EQUIPMENT REPAIR INC	1060 ONTARIO BLVD, ONTARIO, CA 91761	101
5	HWTS	947 ft.	ONSITE TRUCK & EQUIPMENT	1060 E ONTARIO BLVD, ONTARIO, CA 91761	103
5	***RCRANGR09***	***947 ft.***	***ONSITE TRUCK & EQUIPEMENT REPAIR INC***	***1060 ONTARIO BLVD, ONTARIO, CA 91761***	***104***
5	***RCRANGR09***	***947 ft.***	***ONSITE TRUCK & EQUIPMENT***	***1060 E ONTARIO BLVD, ONTARIO, CA 91761***	***106***
7	***RCRAGR09***	***950 ft.***	***GLENCO MFG***	***716 S BON VIEW, ONTARIO, CA 91761***	***109***
8	***RCRAGR09***	***950 ft.***	***GLENCO MANFACTURING CO***	***707 S HOPE AVE, ONTARIO, CA 91761***	***110***
8	***RCRANGR09***	***950 ft.***	***S & H GLENCO MANUFACTURING LLC***	***707 S HOPE AVE, ONTARIO, CA 91761***	***112***
8	SBFD	950 ft.	S&H GLENCO MANUFACTURING, LLC	707 S HOPE AVE, ONTARIO, CA 91761	114
9	***RCRANGR09***	***947 ft.***	***GOLD BULL TRANSPORTATION INC***	***1024 CALIFORNIA ST, ONTARIO, CA 91761***	***116***
10	***ABST***	***950 ft.***	***ALGER PRECISION MACHINING, LLC***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***118***
10	***CALSITES***	***950 ft.***	***ALGER MANUFACTURING COMPANY***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***	***127***
10	***CLEANUPSITES***	***950 ft.***	***ALGER MANUFACTURING COMPANY INC***	***724 BON VIEW, ONTARIO, CA 91761***	***128***
10	***ENVIROSTOR***	***950 ft.***	***ALGER MANUFACTURING COMPANY***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***	***133***
10	***ENVIROSTOR***	***950 ft.***	***ALGER MFG. CO., INC.***	***724 S. BON VIEW AVENUE, ONTARIO, CA 91761***	***134***
10	HISTCORTESE	950 ft.	ALGER MANUFACTURING COMPA	724 BON VIEW, ONTARIO, CA 91761	135
10	***HISTUST***	***950 ft.***	***ALGER MANUFACTURING COMPANY***	***724 S BON VIEW AVENUE, ONTARIO, CA 91761***	***136***

Elevation Summary

Map ID#	Database Name	Elevation	Site Name	Address	Page #
10	***RCRAGR09***	***950 ft.***	***ALGER MANUFACTURING COMPANY, INC.***	***724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761***	***138***
10	***RCRANGR09***	***950 ft.***	***ALGER PRECISION MACHINING LLC***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***140***
10	***RCRANGR09***	***950 ft.***	***SEAVIEW AGI ACQUISITIONS***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***142***
10	REF	950 ft.	ALGER MANUFACTURING COMPANY	724 SOUTH BON VIEW AVENUE, ONTARIO, CA 91761	144
10	REF	950 ft.	ALGER MFG. CO., INC.	724 S. BON VIEW AVENUE, ONTARIO, CA 91761	145
10	SBFD	950 ft.	ALGER PRECISION MACHINING, LLC	724 S BON VIEW AVE, ONTARIO, CA 91761	146
10	***SEMSARCH***	***950 ft.***	***ALGER MFG CO***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***149***
10	SLIC	950 ft.	ALGER	724 S BON VIEW AVE, ONTARIO, CA	150
10	SLIC	950 ft.	ALGER MANUFACTURING COMPANY INC	724 BON VIEW, ONTARIO, CA 91761	151
10	***SWEEPS***	***950 ft.***	***ALGER MANUFACTURING COMPANY***	***724 S BON VIEW AVE, ONTARIO, CA 91761***	***152***
11	***RCRANGR09***	***947 ft.***	***KING EQUIPMENT LLC***	***1080 E ONTARIO BLVD, ONTARIO, CA 91761***	***153***
11	***RCRANGR09***	***947 ft.***	***KLEIN PRODUCTS INC***	***1080 E ONTARIO BLVD, ONTARIO, CA 91761***	***155***
11	SBFD	947 ft.	KING EQUIPMENT	1080 E ONTARIO BLVD, ONTARIO, CA 91761	157
11	SBFD	947 ft.	KLEIN PRODUCTS, INC.	1080 ONTARIO BLVD, ONTARIO, CA 91761	158
12	CLEANER	947 ft.	PW REPAIR'S INC	1064 E CALIFORNIA ST, ONTARIO, CA 91761	159
12	***RCRANGR09***	***947 ft.***	***AIRPORT MOBIL INC***	***1046 E CALIFORNIA ST, ONTARIO, CA 91761***	***160***
12	***RCRANGR09***	***947 ft.***	***PW REPAIRS INC***	***1064 E CALIFORNIA ST, ONTARIO, CA 91761***	***162***
12	SBFD	947 ft.	AIRPORT MOBIL TOWING	1046 E CALIFORNIA, ONTARIO, CA 91761	164
12	SBFD	947 ft.	PW REPAIRS	1064 E CALIFORNIA ST, ONTARIO, CA 91761	166
14	SBFD	950 ft.	VACANT PROPERTY	902 CALIFORNIA ST, ONTARIO, CA 91761	170
15	***HISTUST***	***950 ft.***	***DONS WELDING SERVICE INC***	***854 EAST CALIFORNIA ST, ONTARIO, CA 91761***	***171***
15	***RCRANGR09***	***950 ft.***	***MEGA TRUCK & TRAILER REPAIR INC***	***854 E CALIFORNIA ST, ONTARIO, CA 91761***	***172***
15	SBFD	950 ft.	INDUSTRIAL EQUIPMENT REPAIR	854 E CALIFORNIA, ONTARIO, CA 91761	174
15	SBFD	950 ft.	MEGA TRUCK & TRAILER REPAIR	854 E CALIFORNIA ST, ONTARIO, CA 91761	175
15	***SWEEPS***	***950 ft.***	***DON'S WELDING SERVICE INC.***	***854 E CALIFORNIA ST, ONTARIO, CA 91761***	***177***
16	***RCRANGR09***	***947 ft.***	***PATTON SALES CORP DBA PATTON STEEL QUEEN CITY STEEL***	***1095 E CALIFORNIA ST, ONTARIO, CA 91761***	***178***

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Map ID#	Database Name	Elevation	Site Name	Address	Page #
22	SBMW	942 ft.	WEST END SHELTER	1010 E MISSION BL, ONTARIO, CA 91761	211
24	***CLEANUPSITES***	***937 ft.***	***MISSION READY MIX***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***227***
24	HISTCORTESE	937 ft.	MISSION READY MIX	840 CUCAAMONGA, ONTARIO, CA 91761	229
24	***HISTUST***	***937 ft.***	***MISSION READY MIX CONCRETE IN***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***230***
24	***LUST***	***937 ft.***	***MISSION READY MIX***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***232***
24	SBFD	937 ft.	HOLLIDAY ROCK - ONTARIO	840 S CUCAMONGA AVE, ONTARIO, CA 91762	233
24	***SWEEPS***	***937 ft.***	***MISSION READY MIX CONCRETE, IN***	***840 S CUCAMONGA AVE, ONTARIO, CA 91761***	***236***
24	***USTCUPA***	***937 ft.***	***HOLLIDAY ROCK - ONTARIO***	***840 S. CUCAMONGA AVE., ONTARIO, CA 91762***	***237***
28	SBFD	937 ft.	KLEIN PRODUCTS, INC.	816 S CUCAMONGA AVE, ONTARIO, CA 91761	250
28	SBFD	937 ft.	NICKOLAS STEEL, INC.	816 S CUCAMONGA AVE, ONTARIO, CA 91761	251
31	SBFD	948 ft.	CAN-AM AUTO SALVAGE INC	1101 E CALIFORNIA ST, ONTARIO, CA 91761	257
31	SBFD	948 ft.	A & A USED AUTO PARTS	1101 E CALIFORNIA ST STE A, ONTARIO, CA 91761	258
31	SBFD	948 ft.	BIG THREE AUTO DISMANTLING INC	1101 E CALIFORNIA ST UNIT B, ONTARIO, CA 91761	259
32	HISTCORTESE	937 ft.	ONTARIO OMS #1.	905 CUCAAMONGA, ONTARIO, CA 91761	260
36	SBFD	948 ft.	CAN AM AUTO SALVAGE INC	1125 E CALIFORNIA ST, ONTARIO, CA 91761	270
38	SBFD	950 ft.	AW COULTER TRUCKING	737 E CALIFORNIA ST, ONTARIO, CA 91761	272
39	SBFD	950 ft.	ALTA ADVANCED TECHNOLOGIES INC	760 E SUNKIST ST, ONTARIO, CA 91761	273
39	SBFD	950 ft.	VITCO DISTRIBUTORS	715 E CALIFORNIA ST, ONTARIO, CA 91761	275
41	SBFD	931 ft.	HEREWEGO LLC DBA PIRTEK INLAND VALLEY	909 S CUCAMONGA AVE STE 101, ONTARIO, CA 91761	278
43	***ABST***	***926 ft.***	***LEGACY SUPPLY CHAIN SERVICES***	***1000 S CUCAMONGA AVE, ONTARIO, CA 91761***	***280***
43	SBFD	926 ft.	LEGACY SUPPLY CHAIN SERVICES	1000 S CUCAMONGA AVE, ONTARIO, CA 91761	285
46	SBFD	950 ft.	BLACK HILLS ONTARIO LLC	705 E CALIFORNIA ST, ONTARIO, CA 91761	291
48	***CLEANUPSITES***	***921 ft.***	***NORTHROP***	***ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA***	***293***
48	***CLEANUPSITES***	***921 ft.***	***DOUGLAS AIRCRAFT CO***	***ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA***	***295***
48	***CLEANUPSITES***	***921 ft.***	***CALIFORNIA AIR NATIONAL GUARD***	***ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA***	***297***
48	***CLEANUPSITES***	***921 ft.***	***AEROJET GENERAL CORPORATION***	***ONTARIO INTERNATIONAL AIRPORT, ONTARIO, CA***	***299***

Elevation Summary

Map ID#	Database Name	Elevation	Site Name	Address	Page #
48	***CLEANUPSITES***	***921 ft.***	***AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT***	***2500 E. AIRPORT DRIVE, ONTARIO, CA 91761***	***301***
48	HISTCORTESE	921 ft.	LOCKHEED AIRCRAFT SERVICE	2411 ONTARIO AIRPORT, ONTARIO, CA 91764	303
48	***LUST***	***921 ft.***	***AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT***	***2500 E. AIRPORT DRIVE, ONTARIO, CA 91761***	***304***
51	***CALSITES***	***944 ft.***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***	***314***
51	***ENVIROSTOR***	***944 ft.***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***	***315***
51	HISTCORTESE	944 ft.	SO CAL GAS/ONTARIO MGP	CNR CAMPUS MARTLAND MONTE, ONTARIO, CA 91761	316
51	***VCP***	***944 ft.***	***SO CAL GAS/ONTARIO MGP***	***CNR CAMPUS, MARTLAND, MONTEREY & MISSION, ONTARIO, CA 91761***	***317***
55	***CLEANUPSITES***	***922 ft.***	***GONZALES AND SONS***	***844 WOODLAWN ST, ONTARIO, CA 92716***	***328***
55	HISTCORTESE	922 ft.	GONZALES AND SONS	844, ONTARIO, CA 92716	330
55	***LUST***	***922 ft.***	***GONZALES AND SONS***	***844 WOODLAWN ST, ONTARIO, CA 92716***	***331***
59	***ENVIROSTOR***	***915 ft.***	***OAKWOOD INTERIORS SITE***	***1333 S BON VIEW AVE, ONTARIO, CA 91761***	***341***
60	FUDS	916 ft.	ONTARIO ARMY AIRFIELD	SAN BERNARDINO COUNTY, ONTARIO, CA 91761	342

Enforcement and Compliance History Information (ECHOR09)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

UNIQUE ID: **110002862796**
REGISTRY ID: **110002862796**
NAME: **A B C PRODUCTS**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Enforcement and Compliance History Information (ECHOR09)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

UNIQUE ID: **110070420757**
REGISTRY ID: **110070420757**
NAME: **SHAMROCK PAVING**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

REGISTRY ID: **110002862796**

NAME: **A B C PRODUCTS**

LOCATION ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:

ABC WINDOW COMPANY, LLC.

A B C PRODUCTS

PROGRAM/S LISTED FOR THIS FACILITY

RCRAINFO - RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

HWTS-DATAMART - HAZARDOUS WASTE TRACKING SYSTEM - DATAMART

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)

NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)

332321 - METAL WINDOW AND DOOR MANUFACTURING.

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

REGISTRY ID: **110058212508**

NAME: **ABC WINDOW COMPANY**

LOCATION ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
***DEFINITION NOT PROVIDED BY REPORTING AGENCY**

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
3089 - PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
326199 - ALL OTHER PLASTICS PRODUCT MANUFACTURING.

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

REGISTRY ID: **110070420757**

NAME: **SHAMROCK PAVING**

LOCATION ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
RCRAINFO - RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
NO NAICS DATA REPORTED

Back to Report Summary

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

BESTILE MFG CO, 621 S BON VIEW, ONTARIO, CA 91761
UNIQUE ID: **000298A4**

*** Cu8 ***

PAGE 83 — STATE WATER RESOURCES CONTROL BOARD — 06/01/88

HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY

CONTAINER TYPES: 1,2,3,4,5

(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
AFCO INDUSTRIES INC.
PO BOX X DIBOLL TX 75941

II FACILITY

	MAILING ADDRESS	DEALER/FOREMAN/SUPERVISOR	TYPE OF BUSINESS
BESTILE MFG CO	TOWNSHIP/RANGE/SECTION	TELEPHONE	NO. OF CONTAINERS
621 S BON VIEW			
ONTARIO CA 91761	PO BOX 3370	RICK RAMIREZ SUPV.	MFG.
	ONTARIO CA 91761		
CROSS STREET : SUNKIST		(714) 984-2751	3

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: RAMIREZ,RICK (714) 984-2751 NIGHT: RAMIREZ,RICK (714) 984-1385

********** OWNER ASSIGNED CONTAINER NUMBER: NO 2 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000003283001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: BUEHLER /
C. YEAR INSTALLED : UNK
D. CAPACITY (GALLONS) : 4,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING :
C. REPAIRS : UNKN IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
SOLVENTS

*** 008 ***

PAGE 84 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: VEHICL FUE ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000003283002 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG:
C. YEAR INSTALLED : UNK
D. CAPACITY (GALLONS) : 500
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: PREMIUM

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING :
C. REPAIRS : UNKN IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12033 PREMIUM MOTOR VEHICLE FUEL

********** OWNER ASSIGNED CONTAINER NUMBER: 3 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000003283003 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: BUEHLER
C. YEAR INSTALLED : 1960
D. CAPACITY (GALLONS) : 2,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING :
C. REPAIRS : UNKN IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
SOLVENTS

Back to Report Summary

Hazardous Waste Tanner Summary (HWTS)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

SITE INFORMATION

EPA ID: **CAC002647620**
NAME: **FLEET RV & BOAT STORAGE**
COUNTY: **NOT REPORTED**
ADDRESS: **627 S BON VIEW AVE**
ONTARIO, CA 91761-1912
FACILITY LINK: *Department of Toxic Substances Control*

CONTACT INFORMATION

CONTACT: **THOMAS GIBSON**
PHONE: **(909) 988-2800**
ADDRESS: **627 S BON VIEW AVE**
ONTARIO CA 91761-1912

MANIFEST SUMMARY INFORMATION

YEAR: **2010**
TSD ID: **CAD097030993**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **2.2935**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2010**
TSD ID: **CAD097030993**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1000**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2010**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **1.1468**
DISPOSAL METHOD: **NOT REPORTED**

YEAR: **2010**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **22.5389**
DISPOSAL METHOD: **OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT**

YEAR: **2009**
TSD ID: **CAD097030993**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**

Hazardous Waste Tanner Summary (HWTS)

WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **2.2935**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2009**
TSD ID: **CAD097030993**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1000**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2009**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **1.1468**
DISPOSAL METHOD: **NOT REPORTED**

YEAR: **2009**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **22.5389**
DISPOSAL METHOD: **OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT**

Back to Report Summary

Hazardous Waste Tanner Summary (HWTS)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

SITE INFORMATION

EPA ID: **CAC002822991**
NAME: **SC FUELS**
COUNTY: **SAN BERNARDINO**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761-1912
FACILITY LINK: *Department of Toxic Substances Control*

CONTACT INFORMATION

CONTACT: **MIKE BURNS**
PHONE: **714-949-4946**
ADDRESS: **6825 ROSECRANS AVE**
PARAMOUNT CA 907232536

MANIFEST SUMMARY INFORMATION

YEAR: **2015**
TSD ID: **CAD028409019**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.2085**
DISPOSAL METHOD: **DISCHARGE TO SEWER/POTW OR NPDES(WITH PRIOR STORAGE--WITH OR WITHOUT TREATMENT)**

Back to Report Summary

Hazardous Waste Tanner Summary (HWTS)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

SITE INFORMATION

EPA ID: **CAD983608308**
NAME: **ABC WINDOW COMPANY, INC.**
COUNTY: **NOT REPORTED**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761
FACILITY LINK: *Department of Toxic Substances Control*

CONTACT INFORMATION

CONTACT: **JAMIE LEIGH**
PHONE: **(909)391-6491**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO CA 91761

MANIFEST SUMMARY INFORMATION

YEAR: **2007**
TSD ID: **ARD981057870**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.5400**
DISPOSAL METHOD: **FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE**

YEAR: **2007**
TSD ID: **ARD981057870**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2000**
DISPOSAL METHOD: **FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE**

YEAR: **2007**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **1.0000**
DISPOSAL METHOD: **LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)**

YEAR: **2006**
TSD ID: **ARD981057870**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.8000**
DISPOSAL METHOD: **NOT REPORTED**

YEAR: **2006**
TSD ID: **AZR000030452**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.2000**

DISPOSAL METHOD: **NOT REPORTED**

YEAR: **2006**
TSD ID: **CAD028409019**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1100**
DISPOSAL METHOD: **METALS RECOVERY INCLUDING RETORING,SMELTING,CHEMICALS,ECT**

YEAR: **2006**
TSD ID: **CAD028409019**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1100**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **DISPOSAL, LAND FILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **LANDFILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1600**
DISPOSAL METHOD: **DISPOSAL, LAND FILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1600**
DISPOSAL METHOD: **LANDFILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**

DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2000**
DISPOSAL METHOD: **DISPOSAL, LAND FILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2000**
DISPOSAL METHOD: **LANDFILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.3000**
DISPOSAL METHOD: **DISPOSAL, LAND FILL**

YEAR: **2006**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.3000**
DISPOSAL METHOD: **LANDFILL**

YEAR: **2005**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.4100**
DISPOSAL METHOD: **RECYCLER**

YEAR: **2005**
TSD ID: **NVT330010000**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **3.9500**
DISPOSAL METHOD: **DISPOSAL, LANDFILL**

YEAR: **2003**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED SOLVENT MIXTURE**
AMOUNT DISPOSED(TONS): **0.0400**
DISPOSAL METHOD: **RECYCLER**

Hazardous Waste Tanner Summary (HWTS)

YEAR: **2003**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.0600**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **2003**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**
AMOUNT DISPOSED(TONS): **0.8300**
DISPOSAL METHOD: **RECYCLER**

YEAR: **2003**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **1.1600**
DISPOSAL METHOD: **RECYCLER**

YEAR: **2003**
TSD ID: **CAT080033681**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED AQUEOUS SOLUTION**
AMOUNT DISPOSED(TONS): **0.2200**
DISPOSAL METHOD: **DISPOSAL, LANDFILL**

YEAR: **2003**
TSD ID: **CAT080033681**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **DISPOSAL, LANDFILL**

YEAR: **2003**
TSD ID: **CAT080033681**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1700**
DISPOSAL METHOD: **RECYCLER**

YEAR: **2000**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**

WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **1999**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.4250**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1999**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**
AMOUNT DISPOSED(TONS): **0.2293**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1999**
TSD ID: **CAD982444481**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **1999**
TSD ID: **CAD982444481**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2500**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1998**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1000**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1998**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**
AMOUNT DISPOSED(TONS): **0.6880**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1998**

Hazardous Waste Tanner Summary (HWTS)

TSD ID: **CAD982444481**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2250**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **1997**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.2500**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1997**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**
AMOUNT DISPOSED(TONS): **0.4500**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1997**
TSD ID: **CAD982444481**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1000**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1997**
TSD ID: **CAD982444481**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.8000**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1996**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OFF-SPECIFICATION, AGED OR SURPLUS ORGANICS**
AMOUNT DISPOSED(TONS): **0.1250**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1996**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**

AMOUNT DISPOSED(TONS): **0.0500**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1996**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.4000**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1996**
TSD ID: **CAD982444481**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2000**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1996**
TSD ID: **CAT080022148**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **SAN BERNARDINO**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.2625**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **1995**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.3000**
DISPOSAL METHOD: **BLANK**

YEAR: **1995**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.7000**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1995**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.5250**
DISPOSAL METHOD: **TREATMENT, INCINERATION**

YEAR: **1994**
TSD ID: **CAD008252405**

Hazardous Waste Tanner Summary (HWTS)

GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **RECYCLER**

YEAR: **1994**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.1500**
DISPOSAL METHOD: **TREATMENT, INCINERATION**

YEAR: **1993**
TSD ID: **CAD008252405**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED SOLVENT MIXTURE**
AMOUNT DISPOSED(TONS): **0.3125**
DISPOSAL METHOD: **RECYCLER**

Back to Report Summary

Hazardous Waste Tanner Summary (HWTS)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

SITE INFORMATION

EPA ID: **CAL000411685**
NAME: **SHAMROCK PAVING**
COUNTY: **SAN BERNARDINO**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761
FACILITY LINK: *Department of Toxic Substances Control*

CONTACT INFORMATION

CONTACT: **ERNIE VASQUEZ**
PHONE: **951-232-3653**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO CA 917610000

MANIFEST SUMMARY INFORMATION

YEAR: **2017**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **1.1259**
DISPOSAL METHOD: **STORAGE**

YEAR: **2017**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **LATEX WASTE**
AMOUNT DISPOSED(TONS): **0.89655**
DISPOSAL METHOD: **STORAGE**

YEAR: **2017**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.68805**
DISPOSAL METHOD: **STORAGE**

YEAR: **2017**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **1.4**
DISPOSAL METHOD: **STORAGE**

YEAR: **2016**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **NOT REPORTED**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.075**
DISPOSAL METHOD: **OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS**

Hazardous Waste Tanner Summary (HWTS)

RECOVERY ECT

YEAR: **2016**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **NOT REPORTED**
WASTE CATEGORY: **LATEX WASTE**
AMOUNT DISPOSED(TONS): **4.98315**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2016**
TSD ID: **AZR000515924**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **NOT REPORTED**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **1.25**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2016**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **NOT REPORTED**
WASTE CATEGORY: **WASTE OIL AND MIXED OIL**
AMOUNT DISPOSED(TONS): **1.045**
DISPOSAL METHOD: **OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT**

Back to Report Summary

Resource Conservation & Recovery Act - Generator (RCRAGR09)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAD983608308**
NAME: **A B C PRODUCTS**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761
CONTACT NAME: **JIM KELTNER**
CONTACT ADDRESS: **621 S BON VIEW AVE**
ONTARIO CA 91761
CONTACT PHONE: **714-391-6491**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **09/24/1991**
CERTIFICATION **- NO CERTIFICATION REPORTED -**
INDUSTRY CLASSIFICATION (NAICS)
332321 - METAL WINDOW AND DOOR MANUFACTURING

OWNER TYPE: **PRIVATE**
OWNER NAME: **WHITEY HAGLER**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME:

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **06/27/2002**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT
NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000411685**
NAME: **SHAMROCK PAVING**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO, CA 91761
CONTACT NAME: **ERNIE VASQUEZ**
CONTACT ADDRESS: **621 S BON VIEW AVE**
ONTARIO CA 91761-0000
CONTACT PHONE: **951-232-3653**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **10/28/2015**

OWNER TYPE: **OTHER**
OWNER NAME: **SHAMROCK GROUP INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **ERNIE VASQUEZ**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
23571 - CONCRETE CONTRACTORS

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 1

Distance from Property: 0.000 mi. (0 ft.) X
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0000193**
NAME: **ABC WINDOW CO., INC**
ADDRESS: **621 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **ABC WINDOW CO, INC.**

PERMIT DETAILS

PERMIT #: **PT0007614**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/09**
PERMIT #: **PT0007613**
PERMIT DESCRIPTION: **HAZMAT HANDLER- 100+ EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/09**

Back to Report Summary

Enforcement and Compliance History Information (ECHOR09)

MAP ID# 2

Distance from Property: 0.009 mi. (48 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

UNIQUE ID: **110065139781**
REGISTRY ID: **110065139781**
NAME: **FOAM ZONE INC**
ADDRESS: **945 E CALIFORNIA ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 2

Distance from Property: 0.009 mi. (48 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

REGISTRY ID: **110065139781**

NAME: **FOAM ZONE INC**

LOCATION ADDRESS: **945 E CALIFORNIA ST**
ONTARIO, CA 91761-1918

COUNTY: **SAN BERNARDINO**

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:

FOAM ZONE INC.

PROGRAM/S LISTED FOR THIS FACILITY

CA-ENVIROVIEW - CA-ENVIROVIEW

NPDES - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

RCRAINFO - RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)

3089 - PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)

32615 - URETHANE AND OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MANUFACTURING

32615 - URETHANE AND OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MANUFACTURING

Back to Report Summary

Integrated Compliance Information System National Pollutant Discharge Elimination System (ICISNPDES)

MAP ID# 2

Distance from Property: 0.009 mi. (48 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

GEOSEARCH ID: **CAZ288884INPDES**
NPDES ID: **CAZ288884** FACILITY #: **110065139781**
NAME: **FOAM ZONE INC**
PHYSICAL ADDRESS: **945 E CALIFORNIA ST**
ONTARIO CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY TYPE: **PRIVATELY OWNED FACILITY**
IMPAIRED WATERS: **NOT REPORTED**

STANDARD INDUSTRIAL CLASSIFICATION

3089-PLASTICS PRODUCTS

PERMITS

FACILITY TYPE INDICATOR: **NON-POTABLE WATER**
PERMIT TYPE: **GENERAL PERMIT COVERED FACILITY**
MAJOR MINOR FACILITY: **MINOR DISCHARGER**
PERMIT STATUS: **EFFECTIVE**
WATER BODY: **NOT REPORTED**
PERMIT NAME: **FOAM ZONE INC**
AGENCY TYPE: **STATE**
ORIGINAL ISSUE DATE: **7/1/2015**
ISSUE DATE: **7/1/2015**
ISSUING AGENCY: **CA WATERBOARDS**
EFFECTIVE DATE: **7/1/2015**
EXPIRATION DATE: **6/30/2020**
RETIREMENT DATE: **NOT REPORTED**
TERMINATION DATE: **NOT REPORTED**
PERMIT COMPLIANCE STATUS: **YES**
PERMIT SUBJECT TO DMR RUN: **NOT REPORTED**
REPORTABLE NONCOMPLIANCE TRACKING IS ON: **YES**

INSPECTIONS

- NO INSPECTIONS REPORTED -

HISTORIC COMPLIANCE

- NO HISTORIC COMPLIANCE REPORTED -

SINGLE EVENT VIOLATIONS

- NO SINGLE EVENT VIOLATIONS REPORTED -

FORMAL ENFORCEMENT ACTIONS

- NO FORMAL ENFORCEMENT ACTIONS REPORTED -

EFFLUENT VIOLATIONS

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

Back to Report Summary

National Pollutant Discharge Elimination System Facilities (NPDES)

MAP ID# 2

Distance from Property: 0.009 mi. (48 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

GEOSEARCH ID: **2753670**
REGULATORY MEASURE ID:
NAME:
ADDRESS:
,
COUNTY:
REGION:

FACILITY DETAILS

PROGRAM:
REGULATORY MEASURE STATUS:
REGULATORY MEASURE TYPE:
ORDER NO:
WDID:
NPDES NO:
ADOPTION DATE:
EFFECTIVE DATE:
EXPIRATION DATE:
TERMINATION DATE:

DISCHARGER INFORMATION

NAME:
DISCHARGER ADDRESS:

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 2

Distance from Property: 0.009 mi. (48 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

EPA ID#: **CAL000324385**
NAME: **FOAM ZONE INC**
ADDRESS: **945 E CALIFORNIA ST**
ONTARIO, CA 91761-1918
CONTACT NAME: **GARY ARNETT**
CONTACT ADDRESS: **945 E CALIFORNIA ST**
ONTARIO CA 91761-1918
CONTACT PHONE: **909-984-0902**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **08/31/2007**

OWNER TYPE: **OTHER**
OWNER NAME: **GARY ARNETT**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **GARY ARNETT**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/05/2018**

INDUSTRY CLASSIFICATION (NAICS)

32615 - URETHANE AND OTHER FOAM PRODUCT (EXCEPT POLYSTYRENE) MANUFACTURING
42193 - RECYCLABLE MATERIAL WHOLESALERS

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/05/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 2

Distance from Property: 0.009 mi. (48 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID#: **FA0011197**
NAME: **FOAM ZONE INC.**
ADDRESS: **945 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **GARY ARNETT**

PERMIT DETAILS

PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0019613**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0019613**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0028932**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**
PERMIT #: **PT0019614**

PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/13**
PERMIT #: **PT0019613**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **09/30/13**
PERMIT #: **PT0019612**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/13**

Back to Report Summary

Enforcement and Compliance History Information (ECHOR09)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

UNIQUE ID: **110070084832**
REGISTRY ID: **110070084832**
NAME: **JANUARY TRANSPORT INC**
ADDRESS: **1075 E. CALIFORNIA ST.**
ONTARIO, CA 91761
COUNTY: **NOT REPORTED**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Enforcement and Compliance History Information (ECHOR09)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

UNIQUE ID: **110070097080**
REGISTRY ID: **110070097080**
NAME: **UNIVERSAL CORE INC**
ADDRESS: **1075 EAST CALIFORNIA STREET**
ONTARIO, CA 91716
COUNTY: **NOT REPORTED**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

REGISTRY ID: **110070084832**

NAME: **JANUARY TRANSPORT INC**

LOCATION ADDRESS: **1075 E. CALIFORNIA ST.**
ONTARIO, CA 91761

COUNTY:

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
NPDES - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
NO NAICS DATA REPORTED

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

REGISTRY ID: **110070097080**

NAME: **UNIVERSAL CORE INC**

LOCATION ADDRESS: **1075 EAST CALIFORNIA STREET**
ONTARIO, CA 91716

COUNTY:

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
NPDES - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
NO NAICS DATA REPORTED

Back to Report Summary

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

SITE INFORMATION

GEOSEARCH ID: **110070097080**
REGISTRY ID: **110070097080**
NAME: **UNIVERSAL CORE INC**
ADDRESS: **1075 EAST CALIFORNIA STREET**
ONTARIO CA 91716
STANDARD INDUSTRIAL CLASSIFICATION: **SPECIAL WAREHOUSING AND STORAGE, NOT ELSEWHERE CLASSIFIED**

REGIONAL DOCKETS

- NO REGIONAL DOCKETS REPORTED

RELATED ACTIVITIES

- NO RELATED ACTIVITIES REPORTED

VIOLATIONS

- NO VIOLATIONS REPORTED

CASE IDENTIFIER

CASE NUMBER: **CA-ZIEA428703**
FISCAL YEAR: **NOT REPORTED**
CASE NAME: **UNIVERSAL CORE INC 8 36NEC002711 VERBAL COMMUNICATION**
ACTIVITY TYPE: **ADMINISTRATIVE - INFORMAL**
ACTIVITY STATUS: **ACHIEVED**
ACTIVITY STATUS DATE: **10/5/2017**
LEAD: **STATE**
CASE STATUS DATE: **10/5/2017**
DOJ DOCKET NUMBER: **NOT REPORTED**
ENFORCEMENT OUTCOME: **NOT REPORTED**
MULTIMEDIA FLAG: **NOT REPORTED**
ENFORCEMENT SUMMARY:
NOT REPORTED

CASE PROGRAMS

- NO CASE PROGRAMS REPORTED

ENFORCEMENT TYPE

ENFORCEMENT TYPE: **PHONE CALL/ EMAIL**

POLLUTANTS CITED

- NO POLLUTION CITED REPORTED

Back to Report Summary

Integrated Compliance Information System National Pollutant Discharge Elimination System (ICISNPDES)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **CAW405437INPDES**
NPDES ID: **CAW405437** FACILITY #: **110070084832**
NAME: **JANUARY TRANSPORT INC**
PHYSICAL ADDRESS: **1075 E. CALIFORNIA ST.**
ONTARIO CA 91761
COUNTY: **NOT REPORTED**
FACILITY TYPE: **NOT REPORTED**
IMPAIRED WATERS: **NOT REPORTED**

STANDARD INDUSTRIAL CLASSIFICATION

- NOT REPORTED -

PERMITS

FACILITY TYPE INDICATOR: **NOT REPORTED**
PERMIT TYPE: **UNPERMITTED FACILITY**
MAJOR MINOR FACILITY: **UNPERMITTED FACILITIES**
PERMIT STATUS: **NOT REPORTED**
WATER BODY: **NOT REPORTED**
PERMIT NAME: **NOT REPORTED**
AGENCY TYPE: **OTH**
ORIGINAL ISSUE DATE: **NOT REPORTED**
ISSUE DATE: **NOT REPORTED**
ISSUING AGENCY: **NOT REPORTED**
EFFECTIVE DATE: **NOT REPORTED**
EXPIRATION DATE: **NOT REPORTED**
RETIREMENT DATE: **NOT REPORTED**
TERMINATION DATE: **NOT REPORTED**
PERMIT COMPLIANCE STATUS: **NOT REPORTED**
PERMIT SUBJECT TO DMR RUN: **NOT REPORTED**
REPORTABLE NONCOMPLIANCE TRACKING IS ON: **YES**

INSPECTIONS

- NO INSPECTIONS REPORTED -

HISTORIC COMPLIANCE

- NO HISTORIC COMPLIANCE REPORTED -

SINGLE EVENT VIOLATIONS

- NO SINGLE EVENT VIOLATIONS REPORTED -

FORMAL ENFORCEMENT ACTIONS

- NO FORMAL ENFORCEMENT ACTIONS REPORTED -

EFFLUENT VIOLATIONS

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

Integrated Compliance Information System National Pollutant Discharge Elimination System (ICISNPDES)

- NOT REPORTED -

Back to Report Summary

Integrated Compliance Information System National Pollutant Discharge Elimination System (ICISNPDES)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **CAZ480055INPDES**
NPDES ID: **CAZ480055** FACILITY #: **110070097080**
NAME: **UNIVERSAL CORE INC**
PHYSICAL ADDRESS: **1075 EAST CALIFORNIA STREET**
ONTARIO CA 91716
COUNTY: **NOT REPORTED**
FACILITY TYPE: **PRIVATELY OWNED FACILITY**
IMPAIRED WATERS: **NOT REPORTED**

STANDARD INDUSTRIAL CLASSIFICATION

4226-SPECIAL WAREHOUSING AND STORAGE

PERMITS

FACILITY TYPE INDICATOR: **NON-POTABLE WATER**
PERMIT TYPE: **GENERAL PERMIT COVERED FACILITY**
MAJOR MINOR FACILITY: **MINOR DISCHARGER**
PERMIT STATUS: **TERMINATED**
WATER BODY: **NOT REPORTED**
PERMIT NAME: **UNIVERSAL CORE INC**
AGENCY TYPE: **STATE**
ORIGINAL ISSUE DATE: **11/14/2016**
ISSUE DATE: **11/14/2016**
ISSUING AGENCY: **CA WATERBOARDS**
EFFECTIVE DATE: **11/14/2016**
EXPIRATION DATE: **6/30/2020**
RETIREMENT DATE: **NOT REPORTED**
TERMINATION DATE: **10/18/2017**
PERMIT COMPLIANCE STATUS: **YES**
PERMIT SUBJECT TO DMR RUN: **NOT REPORTED**
REPORTABLE NONCOMPLIANCE TRACKING IS ON: **YES**

INSPECTIONS

- NO INSPECTIONS REPORTED -

HISTORIC COMPLIANCE

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20201**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20194**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**

NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20193**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20192**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20191**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20184**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20183**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20182**
HISTORIC NON-COMPLIANCE: **NOT REPORTED**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

HISTORIC NON-COMPLIANCE QUARTER (YYYYQ): **20181**

HISTORIC NON-COMPLIANCE: **V**
NUMBER OF E90 VIOLATIONS: **0**
NUMBER OF COMPLIANCE SCHEDULE VIOLATIONS: **0**
NUMBER OF SINGLE EVENT VIOLATIONS: **1**
NUMBER OF PERMIT SCHEDULE VIOLATIONS: **0**

SINGLE EVENT VIOLATIONS

VIOLATION ID: **3633236044**
VIOLATION TYPE: **S**
VIOLATION: **WW STORM WATER NON-CONSTRUCTION - CWA A 308 FAILURE TO SUBMIT REQUIRED PERMIT APPLICATION INFO**
VIOLATION DATE: **10/2/2017**
BEGIN DATE: **NOT REPORTED**
END DATE: **NOT REPORTED**
RNC DETECTION: **NOT REPORTED**
RNC DETECTION DATE: **NOT REPORTED**
RNC RESOLUTION: **NOT REPORTED**
RNC RESOLUTION DATE: **NOT REPORTED**
VIOLATION COMMENT: **DISCHARGER FAILED TO RECERTIFY THE NEC BY OCTOBER 1, 2017**

FORMAL ENFORCEMENT ACTIONS

- NO FORMAL ENFORCEMENT ACTIONS REPORTED -

EFFLUENT VIOLATIONS

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

EFFLUENT VIOLATIONS contd..

- NOT REPORTED -

Back to Report Summary

National Pollutant Discharge Elimination System Facilities (NPDES)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **946607906**
REGULATORY MEASURE ID: **480055**
NAME: **UNIVERSAL CORE INC**
ADDRESS: **1075 EAST CALIFORNIA STREET**
ONTARIO, CA 91716
COUNTY: **SAN BERNARDINO**
REGION: **8 - SANTA ANA REGIONAL WATER QUALITY CONTROL BOARD, LOCATED IN RIVERSIDE.**

FACILITY DETAILS

PROGRAM: **INDUSTRIAL**
REGULATORY MEASURE STATUS: **TERMINATED**
REGULATORY MEASURE TYPE: **ENROLLEE**
ORDER NO: **97-03-DWQ**
WDID: **8 36NEC002711**
NPDES NO: **CAS000001**
ADOPTION DATE: **NOT REPORTED**
EFFECTIVE DATE: **11/14/2016**
EXPIRATION DATE: **NOT REPORTED**
TERMINATION DATE: **10/18/2017**

DISCHARGER INFORMATION

NAME: **UNIVERSAL CORE INC**
DISCHARGER ADDRESS: **1075 EAST CALIFORNIA STREET**
ONTARIO CALIFORNIA 91716

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 3

Distance from Property: 0.014 mi. (74 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0018276**
NAME: **UNIVERSAL CORE, INC.**
ADDRESS: **1075 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **MARIO PONCE**

PERMIT DETAILS

PERMIT #: **PT0039505**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/21**
PERMIT #: **PT0039505**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/20**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 4

Distance from Property: 0.026 mi. (137 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000400243**
NAME: **PRIMO'S CYLINDER HEAD INC**
ADDRESS: **630 S BON VIEW AVE**
ONTARIO, CA 91761
CONTACT NAME: **ISRAEL CASTANEDA**
CONTACT ADDRESS: **630 S BON VIEW AVE**
ONTARIO CA 91761
CONTACT PHONE: **909-986-6433**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **09/08/2014**

OWNER TYPE: **OTHER**
OWNER NAME: **PRIMO'S CYLINDER HEAD INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **ISRAEL CASTANEDA**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
56299 - ALL OTHER WASTE MANAGEMENT SERVICES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 4

Distance from Property: 0.026 mi. (137 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000414970**
NAME: **I.E AUTOMOTIVE**
ADDRESS: **628 S BON VIEW AVE UNIT B**
ONTARIO, CA 91761-1911
CONTACT NAME: **RICARDO JIMENEZ LOPEZ**
CONTACT ADDRESS: **628 S BON VIEW AVE UNIT B**
ONTARIO CA 91761-1911
CONTACT PHONE: **909-537-4789**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **03/09/2016**

OWNER TYPE: **OTHER**
OWNER NAME: **RICARDO JIMENEZ LOPEZ**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **RICARDO JIMENEZ LOPEZ**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 4

Distance from Property: 0.017 mi. (90 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0003475**
NAME: **GLENCO MANUFACTURING COMPANY**
ADDRESS: **716 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **GLENCO MANUFACTURING COMPANY**

PERMIT DETAILS

PERMIT #: **PT0007338**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/10**
PERMIT #: **PT0007339**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/10**

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Enforcement and Compliance History Information (ECHOR09)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

UNIQUE ID: **110070423611**
REGISTRY ID: **110070423611**
NAME: **ONSITE TRUCK & EQUIPEMENT REPAIR INC**
ADDRESS: **1060 ONTARIO BLVD**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Enforcement and Compliance History Information (ECHOR09)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

UNIQUE ID: **110070484971**
REGISTRY ID: **110070484971**
NAME: **ONSITE TRUCK & EQUIPMENT**
ADDRESS: **1060 E ONTARIO BLVD**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY LINK: *Facility Detail Report*

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

REGISTRY ID: **110070423611**

NAME: **ONSITE TRUCK & EQUIPEMENT REPAIR INC**

LOCATION ADDRESS: **1060 ONTARIO BLVD**
ONTARIO, CA 91761-2026

COUNTY: **SAN BERNARDINO**

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
RCRAINFO - RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR.

Back to Report Summary

Facility Registry System (FRSCA)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

REGISTRY ID: **110070484971**

NAME: **ONSITE TRUCK & EQUIPMENT**

LOCATION ADDRESS: **1060 E ONTARIO BLVD**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

EPA REGION: **09**

FEDERAL FACILITY:

TRIBAL LAND:

ALTERNATIVE NAME/S:
NO ALTERNATIVE NAME(S) LISTED FOR THIS FACILITY

PROGRAM/S LISTED FOR THIS FACILITY
RCRAINFO - RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

STANDARD INDUSTRIAL CLASSIFICATION/S (SIC)
NO SIC DATA REPORTED

NORTH AMERICAN INDUSTRY CLASSIFICATION/S (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR.

Back to Report Summary

Hazardous Waste Tanner Summary (HWTS)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

SITE INFORMATION

EPA ID: **CAL000419716**
NAME: **ONSITE TRUCK & EQUIPMENT REPAIR INC**
COUNTY: **SAN BERNARDINO**
ADDRESS: **1060 ONTARIO BLVD**
ONTARIO, CA 91761-2026
FACILITY LINK: *Department of Toxic Substances Control*

CONTACT INFORMATION

CONTACT: **SHEREE URIBE**
PHONE: **951-588-8000**
ADDRESS: **1060 ONTARIO BLVD**
ONTARIO CA 917612026

MANIFEST SUMMARY INFORMATION

YEAR: **2019**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**
AMOUNT DISPOSED(TONS): **0.25000**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2019**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.12500**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2019**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.15000**
DISPOSAL METHOD: **NOT REPORTED**

YEAR: **2018**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.12500**
DISPOSAL METHOD: **NOT REPORTED**

YEAR: **2018**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **UNSPECIFIED ORGANIC LIQUID MIXTURE**

AMOUNT DISPOSED(TONS): **0.95000**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2018**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.12500**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2016**
TSD ID: **AZR000501510**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **NOT REPORTED**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.15**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

YEAR: **2016**
TSD ID: **CAT080013352**
GENERATOR COUNTY: **SAN BERNARDINO**
DISPOSAL COUNTY: **NOT REPORTED**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.2085**
DISPOSAL METHOD: **OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT**

Back to Report Summary

Hazardous Waste Tanner Summary (HWTS)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

SITE INFORMATION

EPA ID: **CAL000437418**
NAME: **ONSITE TRUCK & EQUIPMENT**
COUNTY: **SAN BERNARDINO**
ADDRESS: **1060 E ONTARIO BLVD**
ONTARIO, CA 91761
FACILITY LINK: *Department of Toxic Substances Control*

CONTACT INFORMATION

CONTACT: **SEAN WOLTER**
PHONE: **714-504-7637**
ADDRESS: **1060 E ONTARIO BLVD**
ONTARIO CA 91761

MANIFEST SUMMARY INFORMATION

YEAR: **2019**
TSD ID: **ILR000130062**
GENERATOR COUNTY: **NOT REPORTED**
DISPOSAL COUNTY: **UNKNOWN**
WASTE CATEGORY: **OTHER ORGANIC SOLIDS**
AMOUNT DISPOSED(TONS): **0.25000**
DISPOSAL METHOD: **STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000419890**
NAME: **ONSITE TRUCK & EQUIPEMENT REPAIR INC**
ADDRESS: **1060 ONTARIO BLVD**
ONTARIO, CA 91761-2026
CONTACT NAME: **SHEREE J URIBE**
CONTACT ADDRESS: **1060 ONTARIO BLVD**
ONTARIO CA 91761-2026
CONTACT PHONE: **951-588-8000**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **08/26/2016**

OWNER TYPE: **OTHER**
OWNER NAME: **ERIQUE URIBE**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **SHEREE J URIBE**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 5

Distance from Property: 0.020 mi. (106 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000437418**

NAME: **ONSITE TRUCK & EQUIPMENT**

ADDRESS: **1060 E ONTARIO BLVD**
ONTARIO, CA 91761

CONTACT NAME: **SEAN WOLTER**

CONTACT ADDRESS: **1060 E ONTARIO BLVD**
ONTARIO CA 91761

CONTACT PHONE: **714-504-7637**

NON-NOTIFIER:

DATE RECEIVED BY AGENCY: **07/11/2018**

OWNER TYPE: **OTHER**

OWNER NAME: **ONSITE TRUCK & EQUIPMENT REPAIR INC**

OPERATOR TYPE: **OTHER**

OPERATOR NAME: **SEAN WOLTER**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/07/2018**

INDUSTRY CLASSIFICATION (NAICS)

811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/07/2018**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

MIXED WASTE GENERATOR: **NO**

RECYCLER: **NO**

TRANSPORTER: **NO**

ONSITE BURNER EXEMPTION: **NO**

FURNACE EXEMPTION: **NO**

USED OIL REFINER: **NO**

USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **YES**

TRANSFER FACILITY: **NO**

USED OIL FUEL BURNER: **NO**

USED OIL PROCESSOR: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**

VIOLATIONS **- NO VIOLATIONS REPORTED -**

ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Generator (RCRAGR09)

MAP ID# 6

Distance from Property: 0.024 mi. (127 ft.) S
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

EPA ID#: **CAD983584038**
NAME: **INTER TRACTOR**
ADDRESS: **921 E CALOFORNIA**
ONTARIO, CA 91761
CONTACT NAME: **TIMOTHY RUSSELL**
CONTACT ADDRESS: **921 E CALIFORNIA**
ONTARIO CA 91761
CONTACT PHONE: **714-988-4511**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **06/10/1991**

OWNER TYPE: **PRIVATE**
OWNER NAME: **INTER TRACTOR AMERICAN CORP**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **NOT REQUIRED**

CERTIFICATION **- NO CERTIFICATION REPORTED -**
INDUSTRY CLASSIFICATION (NAICS) **- NO NAICS INFORMATION REPORTED -**

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **06/27/2002**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**
UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT
NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Generator (RCRAGR09)

MAP ID# 7

Distance from Property: 0.026 mi. (137 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CA0000042242**
NAME: **GLENCO MFG**
ADDRESS: **716 S BON VIEW**
ONTARIO, CA 91761
CONTACT NAME: **TONY ROSSMAN**
CONTACT ADDRESS: **716 S BON VIEW**
ONTARIO CA 91761
CONTACT PHONE: **909-984-3348**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **11/01/1993**

OWNER TYPE: **PRIVATE**
OWNER NAME: **JERRY HOROWITZ**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME:

CERTIFICATION **- NO CERTIFICATION REPORTED -**
INDUSTRY CLASSIFICATION (NAICS) **- NO NAICS INFORMATION REPORTED -**

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **09/15/2000**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT
NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Generator (RCRAGR09)

MAP ID# 8

Distance from Property: 0.054 mi. (285 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAD981657836**
NAME: **GLENCO MANFACTURING CO**
ADDRESS: **707 S HOPE AVE**
ONTARIO, CA 91761
CONTACT NAME: **ENVIRONMENTAL MANAGER**
CONTACT ADDRESS: **707 S HOPE AVE**
ONTARIO CA 91761
CONTACT PHONE: **714-984-3348**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **11/11/1986**
CERTIFICATION **- NO CERTIFICATION REPORTED -**
INDUSTRY CLASSIFICATION (NAICS)
332721 - PRECISION TURNED PRODUCT MANUFACTURING

OWNER TYPE: **PRIVATE**
OWNER NAME: **JERRY HOROWITZ**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **NOT REQUIRED**

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **06/27/2002**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT
NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 8

Distance from Property: 0.054 mi. (285 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000368332**
NAME: **S & H GLENCO MANUFACTURING LLC**
ADDRESS: **707 S HOPE AVE**
ONTARIO, CA 91761-1826
CONTACT NAME: **JERRY HOROWITZ**
CONTACT ADDRESS: **707 S HOPE AVE**
ONTARIO CA 91761-1826
CONTACT PHONE: **909-984-3348**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **10/18/2011**

OWNER TYPE: **OTHER**
OWNER NAME: **S & H GLENCO MANUFACTURING LLC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **JERRY HOROWITZ**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)

332722 - BOLT, NUT, SCREW, RIVET, AND WASHER MANUFACTURING

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 8

Distance from Property: 0.054 mi. (285 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0012997**
NAME: **S&H GLENCO MANUFACTURING, LLC**
ADDRESS: **707 S HOPE AVE**
ONTARIO , CA 91761
OWNER: **S&H GLENCO MANUFACTURING, LLC**

PERMIT DETAILS

PERMIT #: **PT0022821**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0022822**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0022823**
PERMIT DESCRIPTION: **WASTE-GENERATING RECYCLER (ONSITE)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0022821**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0022822**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0022821**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0022822**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0022821**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0022822**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0024956**

PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/17**
PERMIT #: **PT0022823**
PERMIT DESCRIPTION: **WASTE-GENERATING RECYCLER (ONSITE)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/17**
PERMIT #: **PT0028417**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 9

Distance from Property: 0.032 mi. (169 ft.) S
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAR000240259**
NAME: **GOLD BULL TRANSPORTATION INC**
ADDRESS: **1024 CALIFORNIA ST**
ONTARIO, CA 91761
CONTACT NAME: **VICTOR SALVATIERRA**
CONTACT ADDRESS: **11349 VERNON**
CHINO CA 91710
CONTACT PHONE: **213-999-2773**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **06/26/2013**

OWNER TYPE: **PRIVATE**
OWNER NAME: **GLEN RUSSELL**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **VICTOR SAVATIERRA**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
VICTOR SALVATIERRA	**PRES**	**06/18/2013**

INDUSTRY CLASSIFICATION (NAICS)
562111 - SOLID WASTE COLLECTION
562112 - HAZARDOUS WASTE COLLECTION

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **07/11/2013**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **YES**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Above Ground Storage Tanks (ABST)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **4197**
SITE ID: **4197**
FACILITY NAME: **ALGER PRECISION MACHINING, LLC**
ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
COUNTY: **NOT REPORTED**
FACILITY LINK: *Click Here*

FACILITY DETAILS

EI ID: **10035115**
EI DESCRIPTION: **ABOVEGROUND PETROLEUM STORAGE**

CHEMICAL DETAILS

NONE REPORTED

ENFORCEMENT DETAILS

ACTION DATE: **2/23/2017**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **APSA**
ACTION SOURCE: **CERS**

ACTION DATE: **2/23/2017**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HW**
ACTION SOURCE: **CERS**

ACTION DATE: **5/6/2014**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HW**
ACTION SOURCE: **CERS**

ACTION DATE: **5/6/2014**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HWRECYCLER**
ACTION SOURCE: **CERS**

EVALUATION DETAILS

EVALUATION DATE: **1/6/2020**
VIOLATIONS FOUND?: **NO**

GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **1/6/2020**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **CA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **1/6/2020**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **1/6/2020**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HWRECYCLER**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **1/6/2020**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **2/23/2017**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **2/23/2017**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **CA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **2/23/2017**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **CA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **2/23/2017**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HWRECYCLER**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **2/23/2017**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **2/23/2017**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **5/6/2014**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**

EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **5/6/2014**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **5/6/2014**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **CA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **5/6/2014**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HWRECYCLER**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **5/6/2014**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **3/25/2008**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **CA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **3/25/2008**
VIOLATIONS FOUND?: **YES**

GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **3/25/2008**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HWLQG**
EVALUATION SOURCE: **CERS**

VIOLATION DETAILS

VIOLATION DATE: **1/6/2020**
CITATION: **HSC 6.5 25143.10 - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) 25143.10**
VIOLATION DESCRIPTION: **FAILURE OF ANY PERSON WHO RECYCLES MORE THAN 100 KILOGRAMS PER MONTH OF RECYCLABLE MATERIAL UNDER A CLAIM THAT THE MATERIAL QUALIFIES FOR EXCLUSION OR EXEMPTION, TO SUBMIT RECYCLABLE MATERIALS REPORT EVERY TWO YEARS.**
NOTES: **RETURNED TO COMPLIANCE ON 01/20/2020. OBSERVATION: THE GENERATOR WAS OBSERVED RECYCLING MORE THAN 100 KILOGRAMS PER MONTH OF HAZARDOUS WASTE AND HAS NOT SUBMITTED A CURRENT RECYCLABLE MATERIALS REPORT IN CERS OR HAS FAILED TO SUBMIT IT EVER**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **2/23/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - ADMINISTRATION/DOCUMENTATION - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 03/22/2017. FAILURE TO CONDUCT A SOURCE REDUCTION EVALUATION REVIEW AND PLAN (CHSC 25244.19(A))**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **2/23/2017**
CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**
VIOLATION DESCRIPTION: **FAILURE TO CONDUCT SPILL PREVENTION BRIEFING FOR OIL-HANDLING PERSONNEL AT LEAST ONCE A YEAR TO ASSURE ADEQUATE UNDERSTANDING OF THE SPCC PLAN.**
NOTES: **RETURNED TO COMPLIANCE ON 03/22/2017.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **APSA**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **5/6/2014**
CITATION: **HSC 6.5 25143.9 - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) 25143.9**
VIOLATION DESCRIPTION: **FAILURE TO MEET THE FOLLOWING REQUIREMENTS OF EXCLUDED RECYCLABLE MATERIALS: 1) USED OR REUSED AS AN INGREDIENT IN AN INDUSTRIAL PROCESS TO MAKE A PRODUCT IF THE MATERIAL IS NOT BEING RECLAIMED, 2) USED OR REUSED AS A SAFE AND EFFECTIVE**
NOTES: **RETURNED TO COMPLIANCE ON 05/06/2014.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HWRECYCLER**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **5/6/2014**
CITATION: **HSC 6.67 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZ WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 05/06/2014. FAILURE TO LABEL HAZARDOUS WASTE CONTAINERS (CCR 66262.34(F)(3))**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/25/2008**
CITATION: **HSC 6.67 MULTIPLE SECTIONS - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) MULTIPLE SECTIONS**
VIOLATION DESCRIPTION: **RCRA LARGE QUANTITY GENERATOR PROGRAM - ADMINISTRATION/DOCUMENTATION - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 06/12/2008.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/25/2008**
CITATION: **HSC 6.67 MULTIPLE SECTIONS - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) MULTIPLE SECTIONS**
VIOLATION DESCRIPTION: **RCRA LARGE QUANTITY GENERATOR PROGRAM - ADMINISTRATION/DOCUMENTATION - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 06/12/2008.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HWLQG**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/25/2008**
CITATION: **HSC 6.67 MULTIPLE SECTIONS - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) MULTIPLE SECTIONS**
VIOLATION DESCRIPTION: **RCRA LARGE QUANTITY GENERATOR PROGRAM - ADMINISTRATION/DOCUMENTATION - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 10/21/2008.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**

VIOLATION PROGRAM: **CA**
VIOLATION SOURCE: **CERS**

AFFILIATION DETAILS

ENTITY NAME: **THOMAS LAO**
ENTITY TITLE: **SR. ENVIRONMENTAL ENGINEER**
AFFILIATION ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **COMPANY OFFICIAL**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **SAN BERNARDINO COUNTY FIRE**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **620 SOUTH E STREET**
SAN BERNARDINO, CA 92415-0153
AFFILIATION DESCRIPTION: **CUPA DISTRICT**
ENTITY PHONE NUMBER: **(909) 386-8401**

ENTITY NAME: **THOMAS KIANG LAO**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **DOCUMENT PREPARER**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **THOMAS KIANG LAO**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **12223 HIGHLAND AVE #106-306**
RANCHO CUCAMONGA, CA 91739
AFFILIATION DESCRIPTION: **ENVIRONMENTAL CONTACT**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **MAILING ADDRESS**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **FACILITY MAILING ADDRESS**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **DAN HANKLA**
ENTITY TITLE: **VP OF OPERATIONS**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **IDENTIFICATION SIGNER**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **ALGER PRECISION MACHINING**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **LEGAL OWNER**
ENTITY PHONE NUMBER: **(909) 986-4591**

ENTITY NAME: **DAN HANKLA**
ENTITY TITLE: **VP OPERATIONS**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **ONSITE TREATMENT UNIT OWNER OPERATOR**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **ALGER PRECISION MACHINING, LLC**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **OPERATOR**
ENTITY PHONE NUMBER: **(909) 986-4591**

ENTITY NAME: **ALGER PRECISION MACHINING**
ENTITY TITLE: **OPERATOR**
AFFILIATION ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **OWNER/OPERATOR**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **ALGER PRECISION MACHINING, LLC**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **PARENT CORPORATION**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **DAN HANKLA**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **PUBLIC CONTACT**
ENTITY PHONE NUMBER: **9099864591**

ENTITY NAME: **THOMAS LAO**
ENTITY TITLE: **NOT REPORTED**

Above Ground Storage Tanks (ABST)

AFFILIATION ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **TECHNICAL CONTACT**
ENTITY PHONE NUMBER: **6262882626**

Back to Report Summary

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID #: **36350005**

NAME: **ALGER MANUFACTURING COMPANY**

ADDRESS: **724 SOUTH BON VIEW AVENUE**
ONTARIO, CA

STATUS (DATE): **PROPERTY/SITE REFERRED TO ANOTHER AGENCY (08/30/1995)**

STANDARD INDUSTRIAL CLASSIFICATION BELIEVED TO BE CAUSE OF (POTENTIAL) CONTAMINATION:
MANU - INDUSTRIAL MACHINERY & EQUIPMENT

ACCESS TO SITE: **NOT REPORTED**

GROUNDWATER CONTAMINATION: **NOT REPORTED**

COMMENTS

FACILITY IDENTIFIED ID VIA TELEPHONE DIRECTORY (1959) MACHINERY MFG. FACILITY DRIVE-BY DHS-ASP. NO ASP PROB. ACTIVE. GUTTER ETCHED,DISCOLORED.DISCH FROM FRONT OF BLDG. T/C W/ D.IFTIGER, ALGER MFG,714-986-4591 6/28/84 - 1)YR OF OPER: 1958-PRESENT WASTE TYPE: WASTE CUTTING OIL, KETONE (645GAL/2MOS), METAL CUTTINGS. SOURCE ACT: CO SITE SURVEY 2/84 - MFG SCREWS,BULLETS,MACHINED PARTS;USE BRASS, ALUMINUM, & STEEL. FACILITY DRIVE-BY ASAP. NO VISIBLE PROBLEM. FINAL STRATEGY RECOM - GENERATOR INSP TO ENSURE COMPLI W/ LAW, & FUR INSP OF UNDER-G TANK. CO, RWQCB. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012 REPORTED FOR PROP65 ON CORTESE LIST SITE SCREENING DONE FIT PA REASSESSMENT DONE 9/28/88, RECOMMENDED NFA UNDER CERCLA DUE TO NO DOCUMENTED RELEASES; DHS CONCURS WITH RECOMMENDATION DELETED FROM CORTESE DATABASE VERIFICATION PROJECT CONFIRMS NFA FOR DTSC. ACTIVE GENERATOR. REFER TO COUNTY.

Back to Report Summary

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **SL208413896**
URL LINK: CLICK HERE
BUSINESS NAME: **ALGER MANUFACTURING COMPANY INC**
ADDRESS: **724 BON VIEW**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **CLEANUP PROGRAM SITE**
CASE NUMBER: **2084100**
STATUS: **OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION 5/2/2017**
POTENTIAL CONTAMINATION:
TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)
POTENTIAL MEDIA AFFECTED:
AQUIFER USED FOR DRINKING WATER SUPPLY, INDOOR AIR, SOIL, SOIL VAPOR
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
1981 MAY CITY OF ONTARIO INSPECTORS CONDUCTED AN INSPECTION OF THE PROPERTY IN RESPOND TO A COMPLAINT NOTED A HEAVY ACCUMULATION OF OIL THROUGHOUT THE INTERIOR OF THE BUILDINGS, SEVERAL BUILDING ALTERATION AND ADDITIONS WHICH WERE COMPLETED WITHOUT PROPER PERMITS, INCLUDING OIL TANKS INSTALLED BELOW THE FLOOR OF ONE BUILDING. 1992 MAY, A SITE INVESTIGATION WAS CONDUCTED BY ATHANOR ENVIRONMENTAL SERVICES FOR ALGER MANUFACTURING. SOIL SAMPLES WERE COLLECTED FROM FIVE SOIL BORINGS EVERY FIVE FEET TO A DEPTH OF 30 FEET AT THREE LOCATIONS, 35 FEET AT ONE LOCATION AND 10 FEET AT ONE LOCATION. THE SOILS ENCOUNTERED CONSISTED OF SAND, SILTY SAND, COARSE GRAVEL AND COBBLES. SELECTED SOIL SAMPLES WERE ANALYZED FOR VOLATILE ORGANIC COMPOUNDS (VOCS) BY EPA METHOD 8010 AND TOTAL PETROLEUM HYDROCARBONS (TPH) BY EPA METHOD 418.1. THE HIGHEST CONCENTRATION OF TETRACHLOROETHYLENE (24,000,000 PARTS PER BILLION (PPB)) WAS DETECTED IN A SOIL SAMPLES COLLECTED FROM 25 FEET BELOW GROUND SURFACE FROM BORING #5 LOCATED NEAR THE OLD PCE SUMP, PARTS WASHING AND EVAPORATOR AREA. THE DEEPEST SOIL SAMPLE FROM BORING # 5 WAS FOUND TO CONTAINED 17,000,000 PPB OF PCE AT 30 FT. BGS. NOVEMBER 1992 AN ADDITIONAL INVESTIGATION WAS CONDUCTED NEAR THE FORMER DEGREASER PIT BY ATHANOR ENVIRONMENTAL SERVICES FOR ALGER MANUFACTURING. FIVE SOIL BORINGS (A - E) WERE DRILLED NEAR BORING #5 NEAR THE FORMER DEGREASER PIT. SOIL SAMPLES WERE COLLECTED AT 5 FOOT INTERVALS. THE BORINGS EXTENDED TO THE FOLLOWING DEPTHS A 80 FEET, B 55 FEET, C 30 FT ,D 45 FT ,E 20 FT.(DRILLING CREW WORE LEVEL C PROTECTIVE EQUIPMENT WHILE DRILLING BORING E.) THE HIGHEST CONCENTRATION OF PCE (40,000,000 PPB) WAS DETECTED IN THE AT 25 FEET BGS IN SOIL BORING B. THE DEEPEST SOIL SAMPLE WAS COLLECTED AT 80 FEET BGS FROM SOIL BORING A AND WAS FOUND TO CONTAIN 15, 000 PPB OF PCE. THE SOIL SAMPLE COLLECTED AT 75 FEET BGS FROM THIS SAME BORING WAS FOUND TO CONTAIN 7,700,000 PPB OF PCE. DEPTH TO WATER WAS ESTIMATED TO BE BETWEEN 380 AND 390 FEET BGS. IT WAS NOTED IN THE DRILLING LOG FOR BORING "A" THAT A HORIZONTAL HOLE WAS FOUND ON THE WEST SIDE OF THE PIT AT 4 FEET BGS. THE SCREENING VAPOR MEASUREMENTS RANGED FROM 850 PPM TO > 10,000 PPM. THE VAPOR CONCENTRATIONS EXCEED THE MEASUREMENT OF THE INSTRUMENT (10,000 PPM) BETWEEN 25 AND 75 FEET BGS. THE SCREENING VAPOR MEASUREMENTS AT 80 FEET WAS 1630 PPM. SIMILAR SCREENING VAPOR

CONCENTRATIONS WERE FOUND IN ALL THE OTHER BORINGS. THE SOILS ENCOUNTERED CONSISTED PRIMARY OF SAND, SILTY SAND, AND GRAVEL. 1993 SEPTEMBER 15 CASE REFERED TO THE RWQCB BY SAN BERNARDINO ENVIRONMENTAL HEALTH SERVICES. 1999 AUGUST – A SITE WIDE SOIL GAS SURVEY WAS CONDUCTED TO DETERMINE THE LATERAL EXTENT OF PCE. SOIL GAS SAMPLES WERE COLLECTED FROM 5 FEET BGS. VERY HIGH CONCENTRATIONS OF PCE WAS DETECTED IN SOIL VAPOR SAMPLES COLLECTED IN THE BUILDING AT THE CORNER OF BON VIEW AND CALIFORNIA, IN THE VICINITY OF THE FORMER DEGREASER UNIT. 1999 SEPTEMBER TWO SOIL VAPOR EXTRACTION WELLS VE1 AND VE2 INSTALLED. 2000 AUGUST - OCTOBER, SOIL VAPOR EXTRACTION SYSTEM INSTALLED. SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM FULLY OPERATIONAL OCTOBER 23, 2000 2007 DECEMBER - GROUNDWATER MONITORING WELL, MW-1, INSTALLED SOUTH OF THE ONSITE BUILDING IN THE ASSUMED DOWNGRADIENT DIRECTION OF THE FORMER DEGREASER. GROUNDWATER WAS ENCOUNTERED AT APPROXIMATELY 343 FEET BELOW GROUND SURFACE (BGS). THE WELL WAS SCREENED FROM 220 TO 380 FEET BGS. GROUNDWATER SAMPLES WERE COLLECTED MARCH 9, 2008 AND JUNE 25, 2009. TETRACHLOROETHYLENE (433 AND 431 MICROGRAMS PER LITER (µG/L) AND TRICHLOROETHYLENE (17.5 AND 9.05 µG/L) WERE DETECTED DURING BOTH SAMPLING EVENTS. 2010 OCTOBER - TWO ADDITIONAL GROUNDWATER MONITORING WELLS INSTALLED. VAPOR MONITORING PROBES WERE INSTALLED OUTSIDE THE CASINGS OF THE TWO WELLS. 2013-2014 THREE FIVE ADDITIONAL VAPOR MONITORING WELLS WITH MULTI-DEPTH VAPOR SAMPLING PROBES ONE GROUNDWATER MONITORING WELL WERE INSTALLED. TESTS WERE PERFORMED ON THE SOIL VAPOR EXTRACTION SYSTEM TO EVALUATE ITS PERFORMANCE.

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	01/01/50	LEAK DISCOVERY
OTHER	01/01/50	LEAK REPORTED
REMEDIATION	01/01/50	SOIL VAPOR EXTRACTION (SVE)
ENFORCEMENT	06/17/2020	ANNUAL ESTIMATION LETTER
ENFORCEMENT	06/17/2019	ANNUAL ESTIMATION LETTER
ENFORCEMENT	03/08/2018	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	08/11/2017	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	05/11/2017	ANNUAL ESTIMATION LETTER
ENFORCEMENT	04/18/2017	EMAIL CORRESPONDENCE
ENFORCEMENT	10/11/2016	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	08/12/2016	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	07/14/2016	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	06/28/2016	ANNUAL ESTIMATION LETTER
ENFORCEMENT	10/21/2015	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	06/26/2015	ANNUAL ESTIMATION LETTER
RESPONSE	04/24/2015	REMEDIAL INVESTIGATION WORKPLAN
RESPONSE	04/07/2015	SOIL AND WATER INVESTIGATION WORKPLAN
ENFORCEMENT	02/20/2015	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	12/09/2014	MONITORING REPORT - QUARTERLY
ENFORCEMENT	10/29/2014	NOTIFICATION - SITE DESIGNATION
RESPONSE	09/30/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	09/11/2014	EMAIL CORRESPONDENCE
RESPONSE	09/05/2014	MISCELLANEOUS DECISION DOCUMENTS
RESPONSE	08/29/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
ENFORCEMENT	08/28/2014	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	08/01/2014	MONITORING REPORT - QUARTERLY
ENFORCEMENT	07/02/2014	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

TYPE OF ACTION:	DATE:	ACTION:
RESPONSE	07/02/2014	CORRESPONDENCE
RESPONSE	06/30/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	06/02/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	05/02/2014	MONITORING REPORT - QUARTERLY
RESPONSE	04/30/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	03/31/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	02/28/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	01/31/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	01/03/2014	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	12/05/2013	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	11/06/2013	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	10/31/2013	MONITORING REPORT - QUARTERLY
RESPONSE	10/11/2013	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	08/30/2013	PROGRESS REPORT (SOIL/GW/ UPDATES)
RESPONSE	08/01/2013	PROGRESS REPORT (SOIL/GW/ UPDATES)
ENFORCEMENT	06/21/2013	COST RECOVERY AGREEMENT
ENFORCEMENT	06/21/2013	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT
ENFORCEMENT	06/18/2013	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	05/13/2013	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	03/21/2013	OTHER WORKPLAN
ENFORCEMENT	03/15/2013	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	02/28/2013	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	01/18/2013	OTHER WORKPLAN - REGULATOR RESPONDED
RESPONSE	01/15/2013	MONITORING REPORT - QUARTERLY
RESPONSE	12/14/2012	TECHNICAL MEMOS
RESPONSE	12/07/2012	OTHER WORKPLAN
RESPONSE	10/15/2012	MONITORING REPORT - QUARTERLY
ENFORCEMENT	09/27/2012	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	07/15/2012	MONITORING REPORT - QUARTERLY
ENFORCEMENT	06/19/2012	COST RECOVERY AGREEMENT
ENFORCEMENT	06/19/2012	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT
ENFORCEMENT	06/13/2012	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	04/19/2012	SITE VISIT / INSPECTION / SAMPLING
RESPONSE	04/15/2012	MONITORING REPORT - QUARTERLY
ENFORCEMENT	03/23/2012	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	01/15/2012	MONITORING REPORT - QUARTERLY
RESPONSE	10/15/2011	MONITORING REPORT - QUARTERLY
RESPONSE	09/30/2011	SITE INVESTIGATION
ENFORCEMENT	09/07/2011	SITE VISIT / INSPECTION / SAMPLING
ENFORCEMENT	08/05/2011	NOTIFICATION - SITE DESIGNATION
ENFORCEMENT	08/04/2011	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	07/15/2011	MONITORING REPORT - QUARTERLY
RESPONSE	06/21/2011	OTHER WORKPLAN
ENFORCEMENT	06/08/2011	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER

TYPE OF ACTION:	DATE:	ACTION:
ENFORCEMENT	06/07/2011	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	05/25/2011	COST RECOVERY AGREEMENT
ENFORCEMENT	05/25/2011	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT
RESPONSE	04/28/2011	SOIL AND WATER INVESTIGATION WORKPLAN
RESPONSE	04/04/2011	OTHER REPORT / DOCUMENT
RESPONSE	04/04/2011	VERBAL COMMUNICATION
RESPONSE	03/09/2011	MONITORING REPORT - QUARTERLY
ENFORCEMENT	03/02/2011	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	12/21/2010	SOIL AND WATER INVESTIGATION REPORT
ENFORCEMENT	10/07/2010	SITE VISIT / INSPECTION / SAMPLING
RESPONSE	09/09/2010	CORRESPONDENCE
ENFORCEMENT	09/03/2010	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	08/30/2010	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	08/06/2010	OTHER WORKPLAN
RESPONSE	08/06/2010	SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM
ENFORCEMENT	07/28/2010	NOTIFICATION - SITE DESIGNATION
ENFORCEMENT	06/30/2010	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	05/25/2010	COST RECOVERY AGREEMENT
ENFORCEMENT	05/25/2010	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT
RESPONSE	04/22/2010	CORRESPONDENCE
RESPONSE	04/22/2010	OTHER WORKPLAN
ENFORCEMENT	04/12/2010	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	04/01/2010	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	01/15/2010	MONITORING REPORT - QUARTERLY
ENFORCEMENT	12/08/2009	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	05/27/2009	COST RECOVERY AGREEMENT
ENFORCEMENT	05/27/2009	COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT
RESPONSE	04/15/2009	MONITORING REPORT - QUARTERLY
RESPONSE	04/15/2009	OTHER WORKPLAN
ENFORCEMENT	02/04/2009	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	12/05/2008	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	06/02/2008	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
ENFORCEMENT	06/05/2007	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
RESPONSE	05/25/2007	MONITORING REPORT - OTHER
ENFORCEMENT	05/11/2007	NOTICE TO COMPLY
REMEDIATION	10/23/2000	SOIL VAPOR EXTRACTION (SVE)
ENFORCEMENT	07/06/2000	TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
OTHER	09/16/1992	LEAK REPORTED
OTHER	05/15/1992	LEAK DISCOVERY

STATUS HISTORY

STATUS:	DATE:
OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION	05/02/2017
OPEN - SITE ASSESSMENT	05/02/2017

STATUS:	DATE:
OPEN - REMEDIATION	**10/23/2000**
OPEN - CASE BEGIN DATE	**05/01/1992**
OPEN - SITE ASSESSMENT	**05/01/1992**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **ALAN KUOCH**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824962**
EMAIL: **ALAN.KUOCH@WATERBOARDS.CA.GOV**

Back to Report Summary

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

SITE INFORMATION

ID #: **36350005** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **ALGER MANUFACTURING COMPANY**
ADDRESS: **724 SOUTH BON VIEW AVENUE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: *** MMONROY**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **HISTORICAL**
SITE TYPE DESCRIPTION
*** HISTORICAL**
DTSC's CURRENT INVOLVEMENT AT SITE (as of 1995-08-30 00:00:00)
REFER: OTHER AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

Back to Report Summary

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

SITE INFORMATION

ID #: **71002447** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **ALGER MFG. CO., INC.**
ADDRESS: **724 S. BON VIEW AVENUE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR:
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **TIERED PERMIT**
SITE TYPE DESCRIPTION
TIERED PERMIT
DTSC's CURRENT INVOLVEMENT AT SITE (as of)
REFER: OTHER AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

Back to Report Summary

Historical Cortese List (HISTCORTESE)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **36350005COR**
ID#: **36350005**
NAME: **ALGER MANUFACTURING COMPA**
ADDRESS: **724 BON VIEW**
ONTARIO, CA 91761

Back to Report Summary

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

ALGER MANUFACTURING COMPANY, 724 S BON VIEW AVENUE, ONTARIO, CA 91761
UNIQUE ID: **000298C2**

*** F10 ***

PAGE 116 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
ALGERAN, INC.
890 S. ARROYO PARKWAY PASADENA CA 91109

II FACILITY

	MAILING ADDRESS	DEALER/FOREMAN/SUPERVISOR	TYPE OF BUSINESS
ALGER MANUFACTURING COMPANY	TOWNSHIP/RANGE/SECTION	TELEPHONE	NO. OF CONTAINERS
724 S. BON VIEW AVENUE			
ONTARIO CA 91761	724 S. BON VIEW AVENUE	DONALD LFTILGER	SHOP
	ONTARIO CA 91761		
CROSS STREET :		(714) 986-4591	3
CALIFORNIA ST.			

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: YOUNG, KENNETH (714) 986-4591 NIGHT: YOUNG, KENNETH (714) 981-1980

********** OWNER ASSIGNED CONTAINER NUMBER: #1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000052961001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: NOTTINGHAM /1971
C. YEAR INSTALLED : 1971
D. CAPACITY (GALLONS) : 1,500
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : WASTE
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 4 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CONCRETE
E. LINING : UNLINED
F. WRAPPING : TAR TAR OR ASPHT

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING :
C. REPAIRS : YES IF YES, YEAR OF MOST RECENT REPAIR: 1982

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
127184 * PERCHLOROETHYLENE (TETRACHLOROETHYLENE)
WASTE OIL
SOLVENTS

* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS

*** G10 ***

PAGE 117 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: #2 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000052961002 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: NOTTINGHAM /1971
C. YEAR INSTALLED : 1971
D. CAPACITY (GALLONS) : 1,500
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 4 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CONCRETE
E. LINING : UNLINED
F. WRAPPING : TAR TAR OR ASPHT

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING :
C. REPAIRS : YES IF YES, YEAR OF MOST RECENT REPAIR: 1982

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
CUTTING OIL

********** OWNER ASSIGNED CONTAINER NUMBER: #3 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000052961003 *********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: NOTTINGHAM /1971
C. YEAR INSTALLED : 1971
D. CAPACITY (GALLONS) : 1,500
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : NO CONTAINS:

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 4 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CONCRETE
E. LINING : UNLINED
F. WRAPPING : TAR TAR OR ASPHT

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING :
C. REPAIRS : YES IF YES, YEAR OF MOST RECENT REPAIR: 1982

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
CUTTING OIL

Back to Report Summary

Resource Conservation & Recovery Act - Generator (RCRAGR09)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAD051980191**
NAME: **ALGER MANUFACTURING COMPANY, INC.**
ADDRESS: **724 SOUTH BON VIEW AVENUE**
ONTARIO, CA 91761
CONTACT NAME: **DAN HANKLA**
CONTACT ADDRESS: **724 SOUTH BON VIEW AVENUE**
ONTARIO CA 91761
CONTACT PHONE: **909-986-4591**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **02/28/2002**

OWNER TYPE: **NOT REPORTED**
OWNER NAME:
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME:

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DAN HANKLA	**VICE PRESIDENT**	**02/28/2002**
LOREN HENNING	**MANAGER, RCRA ENFORCEMENT OFFICE**	**09/05/2006**

INDUSTRY CLASSIFICATION (NAICS)
332721 - PRECISION TURNED PRODUCT MANUFACTURING

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **09/05/2006**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

351
D039 **TETRACHLOROETHYLENE**

UNIVERSAL WASTE

Resource Conservation & Recovery Act - Generator (RCRAGR09)

WASTE TYPE:	ACCUMULATED WASTE ON-SITE:	GENERATED WASTE ON-SITE:	SOURCE TYPE:
BATTERIES	**UNKNOWN**	**UNKNOWN**	**ANNUAL/BIENNIAL REPORT**
LAMPS	**UNKNOWN**	**UNKNOWN**	**ANNUAL/BIENNIAL REPORT**
PESTICIDES	**UNKNOWN**	**UNKNOWN**	**ANNUAL/BIENNIAL REPORT**
MERCURY CONTAINING EQUIPMENT	**UNKNOWN**	**UNKNOWN**	**ANNUAL/BIENNIAL REPORT**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000357292**
NAME: **ALGER PRECISION MACHINING LLC**
ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761-1913
CONTACT NAME: **DAN HANKLA**
CONTACT ADDRESS: **724 S BON VIEW AVE**
ONTARIO CA 91761-1913
CONTACT PHONE: **909-986-4591**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **09/28/2010**

OWNER TYPE: **OTHER**
OWNER NAME: **JIM HEMINGWAY**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **DAN HANKLA**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/05/2018**

INDUSTRY CLASSIFICATION (NAICS)
332721 - PRECISION TURNED PRODUCT MANUFACTURING

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/05/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000404983**
NAME: **SEAVIEW AGI ACQUISITIONS**
ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
CONTACT NAME: **DUANE FEMRITE**
CONTACT ADDRESS: **921 E CALIFORNIA ST**
ONTARIO CA 91761
CONTACT PHONE: **909-230-4636**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **03/09/2015**

OWNER TYPE: **OTHER**
OWNER NAME: **SEAVIEW AGI ACQUISITIONS INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **DUANE FEMRITE**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
56299 - ALL OTHER WASTE MANAGEMENT SERVICES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Referred to Another Local or State Agency (REF)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **36350005**
ENVIROSTOR ID: **36350005**
FACILITY NAME: **ALGER MANUFACTURING COMPANY**
ADDRESS: **724 SOUTH BON VIEW AVENUE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

PROGRAM TYPE: **HISTORICAL**
STATUS: **REFER: OTHER AGENCY**
STATUS DATE: **8/30/1995**
CALENVIROSCREEN SCORE: **96-100%**
SITE CODE: **NOT REPORTED**

Back to Report Summary

Referred to Another Local or State Agency (REF)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **71002447**
ENVIROSTOR ID: **71002447**
FACILITY NAME: **ALGER MFG. CO., INC.**
ADDRESS: **724 S. BON VIEW AVENUE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

PROGRAM TYPE: **TIERED PERMIT**
STATUS: **REFER: OTHER AGENCY**
STATUS DATE: **NOT REPORTED**
CALENVIROSCREEN SCORE: **96-100%**
SITE CODE: **NOT REPORTED**

Back to Report Summary

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0000815**
NAME: **ALGER PRECISION MACHINING, LLC**
ADDRESS: **724 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **ALGER PRECISION MACHINING**

PERMIT DETAILS

PERMIT #: **PT0020019**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0018355**
PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0004109**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0004110**
PERMIT DESCRIPTION: **LARGE QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0020019**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0018355**
PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0004109**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0004110**
PERMIT DESCRIPTION: **LARGE QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0020019**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0018355**

PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0004109**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0004110**
PERMIT DESCRIPTION: **LARGE QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0020019**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0018355**
PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0004109**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0004110**
PERMIT DESCRIPTION: **LARGE QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0018354**
PERMIT DESCRIPTION: **CA UNIT (NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **9/30/17**
PERMIT #: **PT0020019**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0018354**
PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0018355**
PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0004109**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**

PERMIT #: **PT0004110**
PERMIT DESCRIPTION: **LARGE QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0027511**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 4**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**
PERMIT #: **PT0004111**
PERMIT DESCRIPTION: **CA ANNUAL FEE**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/11**
PERMIT #: **PT0017057**
PERMIT DESCRIPTION: **HAZARDOUS WASTE GENERATOR RCRA LQG**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/08**

Back to Report Summary

Superfund Enterprise Management System Archived Site Inventory (SEMSARCH)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAD051980191**
SITE ID#: **0901423**
NAME: **ALGER MFG CO**
ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FEDERAL FACILITY: **NOT A FEDERAL FACILITY**
SUPERFUND ALTERNATIVE AGREEMENT IN PLACE?: **NO**
NPL: **NOT ON THE NPL**
NON NPL STATUS: **NFRAP-SITE DOES NOT QUALIFY FOR THE NPL BASED ON EXISTING INFORMATION**
SUPERFUND SITE INFORMATION: **CLICK HERE**

Below information was gathered from the prior NFRAP update completed in 10/2013 update:

ACTION	START DATE	COMPLETION DATE	RESPONSIBILITY
PA - PRELIMINARY ASSESSMENT	**8/1/1984**	**5/1/1985**	**STATE (FUND)**
DS - DISCOVERY	**NOT REPORTED**	**8/1/1984**	**STATE (FUND)**
PA - PRELIMINARY ASSESSMENT	**NOT REPORTED**	**11/1/1988**	**EPA FUND**
VS - ARCHIVE SITE	**NOT REPORTED**	**11/1/1988**	**EPA IN-HOUSE**

ACTION DESCRIPTIONS

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

DS - (DISCOVERY) - THE PROCESS BY WHICH A POTENTIAL HAZARDOUS WASTE SITE IS BROUGHT TO THE ATTENTION OF THE EPA. THE PROCESS CAN OCCUR THROUGH THE USE OF SEVERAL MECHANISMS SUCH AS A PHONE CALL OR REFERRAL BY ANOTHER GOVERNMENT AGENCY.

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

VS - (ARCHIVE SITE) - THE DECISION IS MADE THAT NO FURTHER ACTIVITY IS PLANNED AT THE SITE.

Back to Report Summary

Spills, Leaks, Investigation & Cleanup Recovery Listing (SLIC)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

INCIDENT INFORMATION

GLOBAL ID#:	**8-8 - 187**
CASE NUMBER:	**NOT REPORTED**
NAME:	**ALGER**
ADDRESS:	**724 S BON VIEW AVE**
	ONTARIO CA
FACILITY TYPE:	**NOT REPORTED**
LEAD AGENCY:	**SANTA ANA RWQCB (REGION 8)**
LEAD AGENCY CONTACT:	**NOT REPORTED**
LEAD AGENCY CASE #:	**NOT REPORTED**
SUBSTANCE RELEASED:	**PCE, TPH**
STATUS:	**NOT REPORTED**
RESPONSIBLE PARTY:	**NOT REPORTED**

Back to Report Summary

Spills, Leaks, Investigation & Cleanup Recovery Listing (SLIC)

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

INCIDENT INFORMATION

GLOBAL ID#:	**SL208413896**
CASE NUMBER:	**NOT REPORTED**
NAME:	**ALGER MANUFACTURING COMPANY INC**
ADDRESS:	**724 BON VIEW**
	ONTARIO CA
FACILITY TYPE:	**CLEANUP PROGRAM SITE**
LEAD AGENCY:	**NOT REPORTED**
LEAD AGENCY CONTACT:	**NOT REPORTED**
LEAD AGENCY CASE #:	**NOT REPORTED**
SUBSTANCE RELEASED:	**PCE, PET, SVO, VOC**
STATUS:	**OPEN - ASSESSMENT & INTERIM REMEDIAL ACT**
RESPONSIBLE PARTY:	**ATHANOR GROUP INC**

Back to Report Summary

MAP ID# 10

Distance from Property: 0.042 mi. (222 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

FACILITY #: **52961**
STATUS: **ACTIVE**
BOE: **44-021181**
JURISDICTION: **SAN BERNARDINO COUNTY**
NAME: **ALGER MANUFACTURING COMPANY**
AGENCY: **ENVIRONMENTAL HEALTH - U.S.T.**
ADDRESS: **724 S BON VIEW AVE**
ONTARIO, CA 91761

TANK INFORMATION

TANK #: **000001**
CAPACITY: **1500**
INSTALLED: **NOT REPORTED**
REMOVED: **NOT REPORTED**
TANK USE: **UNKNOWN**
STORAGE TYPE: **WASTE**
CONTENT: **NOT REPORTED**
CONTAINMENT: **NOT REPORTED**

TANK #: **000002**
CAPACITY: **1500**
INSTALLED: **NOT REPORTED**
REMOVED: **NOT REPORTED**
TANK USE: **UNKNOWN**
STORAGE TYPE: **PRODUCT**
CONTENT: **NOT REPORTED**
CONTAINMENT: **NOT REPORTED**

TANK #: **000003**
CAPACITY: **1500**
INSTALLED: **NOT REPORTED**
REMOVED: **NOT REPORTED**
TANK USE: **UNKNOWN**
STORAGE TYPE: **PRODUCT**
CONTENT: **NOT REPORTED**
CONTAINMENT: **NOT REPORTED**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 11

Distance from Property: 0.044 mi. (232 ft.) ENE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000327123**
NAME: **KING EQUIPMENT LLC**
ADDRESS: **1080 E ONTARIO BLVD**
ONTARIO, CA 91761
CONTACT NAME: **MIKE BURNS**
CONTACT ADDRESS: **1690 ASHLEY WAY**
COLTON CA 92324
CONTACT PHONE: **909-917-0267**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **11/27/2007**

OWNER TYPE: **OTHER**
OWNER NAME: **ERNIE QUIJADA**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **MIKE BURNS**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/05/2018**

INDUSTRY CLASSIFICATION (NAICS)
33651 - RAILROAD ROLLING STOCK MANUFACTURING

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/05/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 11

Distance from Property: 0.044 mi. (232 ft.) ENE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000421481**
NAME: **KLEIN PRODUCTS INC**
ADDRESS: **1080 E ONTARIO BLVD**
ONTARIO, CA 91761
CONTACT NAME: **LORI FRENES**
CONTACT ADDRESS: **1080 ONTARIO BLVD**
ONTARIO CA 91761
CONTACT PHONE: **909-460-4546**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **10/24/2016**

OWNER TYPE: **OTHER**
OWNER NAME: **KLEIN PRODUCTS INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **LORI FRENES**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/07/2018**

INDUSTRY CLASSIFICATION (NAICS)

56299 - ALL OTHER WASTE MANAGEMENT SERVICES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/07/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 11

Distance from Property: 0.044 mi. (232 ft.) ENE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0015636**
NAME: **KING EQUIPMENT**
ADDRESS: **1080 E ONTARIO BLVD**
ONTARIO , CA 91761
OWNER: **KING EQUIPMENT LLC**

PERMIT DETAILS

PERMIT #: **PT0034196**
PERMIT DESCRIPTION: **LARGE QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/16**
PERMIT #: **PT0034195**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/16**
PERMIT #: **PT0034197**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/16**

Back to Report Summary

MAP ID# 11

Distance from Property: 0.044 mi. (232 ft.) ENE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0017585**
NAME: **KLEIN PRODUCTS, INC.**
ADDRESS: **1080 ONTARIO BLVD**
ONTARIO , CA 91761
OWNER: **BARRY MCMANUS**

PERMIT DETAILS

PERMIT #: **PT0037976**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/21**
PERMIT #: **PT0037975**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/21**
PERMIT #: **PT0037976**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/20**
PERMIT #: **PT0037975**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/20**
PERMIT #: **PT0037976**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/19**
PERMIT #: **PT0037975**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/19**
PERMIT #: **PT0037975**
PERMIT DESCRIPTION: **HAZMAT HANDLER GENERAL ACT.(NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **6/30/18**
PERMIT #: **PT0037976**
PERMIT DESCRIPTION: **HAZWASTE GENERAL ACTIVITY (NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **6/30/18**

Back to Report Summary

Dry Cleaner Facilities (CLEANER)

MAP ID# 12

Distance from Property: 0.076 mi. (401 ft.) ESE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **CAL000378188**
PERMIT ID: **CAL000378188**
FACILITY NAME: **PW REPAIR'S INC**
ADDRESS: **1064 E CALIFORNIA ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
STATUS: **INACTIVE**
FACILITY LINK: CLICK HERE

FACILITY DETAILS

SIC CODE: **7219**
SIC DESCRIPTION: **LAUNDRY AND GARMENT SERVICES, NOT ELSEWHERE CLASSIFIED**
NAICS CODE: **NOT REPORTED**
SIC DESCRIPTION: **NOT REPORTED**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 12

Distance from Property: 0.051 mi. (269 ft.) SE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000341684**
NAME: **AIRPORT MOBIL INC**
ADDRESS: **1046 E CALIFORNIA ST**
ONTARIO, CA 91761-1919
CONTACT NAME: **MIKE MUSH**
CONTACT ADDRESS: **1046 E CALIFORNIA ST**
ONTARIO CA 91761-1919
CONTACT PHONE: **909-983-5261**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **03/27/2009**

OWNER TYPE: **OTHER**
OWNER NAME: **AIRPORT MOBIL INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **MIKE MUSH**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**06/20/2019**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **06/28/2019**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **YES**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 12

Distance from Property: 0.076 mi. (401 ft.) ESE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000378188**
NAME: **PW REPAIRS INC**
ADDRESS: **1064 E CALIFORNIA ST**
ONTARIO, CA 91761
CONTACT NAME: **HORACE WINKLER/PRES**
CONTACT ADDRESS: **1064 E CALIFORNIA ST**
ONTARIO CA 91761-0000
CONTACT PHONE: **626-221-7702**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **09/17/2012**

OWNER TYPE: **OTHER**
OWNER NAME: **PW REPAIR'S INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **HORACE WINKLER/PRES**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)

81149 - OTHER PERSONAL AND HOUSEHOLD GOODS REPAIR AND MAINTENANCE

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 12

Distance from Property: 0.051 mi. (269 ft.) SE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0014964**
NAME: **AIRPORT MOBIL TOWING**
ADDRESS: **1046 E CALIFORNIA**
ONTARIO , CA 91761
OWNER: **MORIS MUSHARBASH**

PERMIT DETAILS

PERMIT #: **PT0026029**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/21**
PERMIT #: **PT0026030**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/21**
PERMIT #: **PT0026029**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/20**
PERMIT #: **PT0026030**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/20**
PERMIT #: **PT0026029**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/19**
PERMIT #: **PT0026030**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/19**
PERMIT #: **PT0026029**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/18**
PERMIT #: **PT0026030**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **2/28/18**
PERMIT #: **PT0026029**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **02/28/16**
PERMIT #: **PT0026030**

PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **02/28/16**
PERMIT #: **PT0026029**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **02/28/14**
PERMIT #: **PT0026030**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **02/28/14**

Back to Report Summary

MAP ID# 12

Distance from Property: 0.076 mi. (401 ft.) ESE
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0015695**
NAME: **PW REPAIRS**
ADDRESS: **1064 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **PW REPAIRS INC.**

PERMIT DETAILS

PERMIT #: **PT0034272**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0034271**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0034272**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0034271**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0034272**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0034271**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0034272**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0034271**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 13

Distance from Property: 0.054 mi. (285 ft.) W
Elevation: 959 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000458285**
NAME: **LYNWOOD PATTERN**
ADDRESS: **603 S HOPE ST**
ONTARIO, CA 91761
CONTACT NAME: **JASON ALVAREZ**
CONTACT ADDRESS: **603 S HOPE ST**
ONTARIO CA 91761
CONTACT PHONE: **310-631-2225**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **11/17/2020**

OWNER TYPE: **OTHER**
OWNER NAME: **JASON ALVAREZ**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **JASON ALVAREZ**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**11/17/2020**

INDUSTRY CLASSIFICATION (NAICS)
331523 - NONFERROUS METAL DIE-CASTING FOUNDRIES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **11/17/2020**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NOT REPORTED**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 13

Distance from Property: 0.059 mi. (312 ft.) W
Elevation: 959 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0000874**
NAME: **ALUM-ALLOY COMPANY INC**
ADDRESS: **603 S HOPE AVE**
ONTARIO , CA 91761
OWNER: **ALUM-ALLOY COMPANY INC**

PERMIT DETAILS

PERMIT #: **PT0004201**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/20**
PERMIT #: **PT0004201**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/19**
PERMIT #: **PT0004201**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/18**
PERMIT #: **PT0004201**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/17**
PERMIT #: **PT0004201**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/15**
PERMIT #: **PT0029238**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/14**

Back to Report Summary

MAP ID# 14

Distance from Property: 0.071 mi. (375 ft.) S
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0009883**
NAME: **VACANT PROPERTY**
ADDRESS: **902 CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **FRAME, DICK**

PERMIT DETAILS

PERMIT #: **PT0017015**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/05**
PERMIT #: **PT0017016**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/05**
PERMIT #: **PT0017017**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/05**
PERMIT #: **PT0017014**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/05**

Back to Report Summary

Historical Underground Storage Tanks (HISTUST)

MAP ID# 15

Distance from Property: 0.080 mi. (422 ft.) SSW
Elevation: 950 ft. (Lower than TP)

DONS WELDING SERVICE INC, 854 EAST CALIFORNIA ST, ONTARIO, CA 91761
UNIQUE ID: **00029DB7**

PAGE 1694 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
DON'S WELDING SERVICE INC.
854 EAST CALIFORNIA ST ONTARIO CA 91761

II FACILITY
DON'S WELDING SERVICE INC. MAILING ADDRESS DEALER/FOREMAN/SUPERVISOR TYPE OF BUSINESS
854 EAST CALIFORNIA ST TOWNSHIP/RANGE/SECTION TELEPHONE NO. OF CONTAINERS
ONTARIO CA 91761 P.O. BOX 4117 WELDING SHOP
ONTARIO CA 91751
CROSS STREET : (714) 983-2016
MISSION BLV OR BON VIEW

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: DON HOIER (714) 626-4460 NIGHT: SAME ( ) -

********** OWNER ASSIGNED CONTAINER NUMBER: 1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000019685001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /
C. YEAR INSTALLED : UNK
D. CAPACITY (GALLONS) : 1,000
E. REPAIRS : UNKN IF YES WHEN :
F. CURRENTLY USED : NO IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: REGULAR

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: B. VAULTING: UNKNOWN C. WALLING: UNKNOWN
D. MATERIAL : CARBON STEEL
E. LINING : UNKNOWN
F. WRAPPING : UNKNOWN

VI PIPING
A. ABOVEGROUND PIPING : UNKNOWN B. UNDERGROUND PIPING :
C. REPAIRS : UNKN IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
VISUAL 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12032 REGULAR MOTOR VEHICLE FUEL

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 15

Distance from Property: 0.080 mi. (422 ft.) SSW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000401609**
NAME: **MEGA TRUCK & TRAILER REPAIR INC**
ADDRESS: **854 E CALIFORNIA ST**
ONTARIO, CA 91761
CONTACT NAME: **JUAN GONZALEZ**
CONTACT ADDRESS: **854 E CALIFORNIA ST**
ONTARIO CA 91761
CONTACT PHONE: **909-284-5203**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **10/26/2020**

OWNER TYPE: **PRIVATE**
OWNER NAME: **MEGA TRUCK & TRAILER REPAIR INC**
OPERATOR TYPE: **NOT REPORTED**
OPERATOR NAME:

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
JUAN GONZALEZ	**OWNER**	**10/19/2020**

INDUSTRY CLASSIFICATION (NAICS) **- NO NAICS INFORMATION REPORTED -**

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **11/18/2020**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NOT REPORTED**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**
UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 15

Distance from Property: 0.084 mi. (444 ft.) SW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0010871**
NAME: **INDUSTRIAL EQUIPMENT REPAIR**
ADDRESS: **854 E CALIFORNIA**
ONTARIO , CA 91761
OWNER: **CHIVARA, ARMANDO**

PERMIT DETAILS

PERMIT #: **PT0018686**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **3/31/08**
PERMIT #: **PT0018685**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **3/31/08**

Back to Report Summary

MAP ID# 15

Distance from Property: 0.080 mi. (422 ft.) SSW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0015633**
NAME: **MEGA TRUCK & TRAILER REPAIR**
ADDRESS: **854 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **JUAN GONZALEZ**

PERMIT DETAILS

PERMIT #: **PT0034192**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/20**
PERMIT #: **PT0034191**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/20**
PERMIT #: **PT0034192**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/19**
PERMIT #: **PT0034191**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/19**
PERMIT #: **PT0034192**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/18**
PERMIT #: **PT0034191**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/18**
PERMIT #: **PT0034192**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/17**
PERMIT #: **PT0034191**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/17**
PERMIT #: **PT0034192**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/15**
PERMIT #: **PT0034191**

PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/15**

Back to Report Summary

MAP ID# 15

Distance from Property: 0.080 mi. (422 ft.) SSW
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

FACILITY #: **19685**
BOE: **NOT REPORTED**
NAME: **DON'S WELDING SERVICE INC.**
ADDRESS: **854 E CALIFORNIA ST**
ONTARIO, CA 91761

STATUS: **ACTIVE**
JURISDICTION: **SAN BERNARDINO COUNTY**
AGENCY: **ENVIRONMENTAL HEALTH - U.S.T.**

TANK INFORMATION

TANK #: **000001**
INSTALLED: **NOT REPORTED**
TANK USE: **M.V. FUEL**
CONTENT: **LEADED**

CAPACITY: **1000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **PRODUCT**
CONTAINMENT: **NOT REPORTED**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 16

Distance from Property: 0.082 mi. (433 ft.) E
Elevation: 947 ft. (Lower than TP)

FACILITY INFORMATION

EPA ID#: **CAL000440687**

NAME: **PATTON SALES CORP DBA PATTON STEEL QUEEN CITY STEEL**

ADDRESS: **1095 E CALIFORNIA ST**
ONTARIO, CA 91761

CONTACT NAME: **FRANK MONTEJO**

CONTACT ADDRESS: **PO BOX 273**
ONTARIO CA 91762

CONTACT PHONE: **909-988-0661**

NON-NOTIFIER:

DATE RECEIVED BY AGENCY: **11/09/2018**

OWNER TYPE: **OTHER**

OWNER NAME: **PATTON SALES CORP**

OPERATOR TYPE: **OTHER**

OPERATOR NAME: **FRANK MONTEJO**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**11/19/2018**

INDUSTRY CLASSIFICATION (NAICS)

425120 - WHOLESALE TRADE AGENTS AND BROKERS

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **11/20/2018**

SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**

TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**

TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**

NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**

CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**

MIXED WASTE GENERATOR: **NO**

RECYCLER: **NO**

TRANSPORTER: **NO**

ONSITE BURNER EXEMPTION: **NO**

FURNACE EXEMPTION: **NO**

USED OIL REFINER: **NO**

USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**

UNIVERSAL WASTE DESTINATION FACILITY: **YES**

TRANSFER FACILITY: **NO**

USED OIL FUEL BURNER: **NO**

USED OIL PROCESSOR: **NO**

USED OIL FUEL MARKETER TO BURNER: **NO**

SPECIFICATION USED OIL MARKETER: **NO**

USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**

VIOLATIONS **- NO VIOLATIONS REPORTED -**

ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 17

Distance from Property: 0.091 mi. (480 ft.) W
Elevation: 959 ft. (Higher than TP)

COLUMBIA PEST CONTROL OF ONTAR, 622 S HOPE AVE, ONTARIO, CA 91761
UNIQUE ID: **00029CDB**

*** L18 ***

PAGE 1318 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
COLUMBIA PEST CONTROL OF ONTAR
622 S. HOPE AVE ONTARIO CA 91761

II FACILITY

	MAILING ADDRESS	DEALER/FOREMAN/SUPERVISOR	TYPE OF BUSINESS
COLUMBIA PEST CONTROL OF ONTAR	TOWNSHIP/RANGE/SECTION	TELEPHONE	NO. OF CONTAINERS
622 S. HOPE AVE			
ONTARIO CA 91761	622 S. HOPE AVE		PEST CONTROL
	ONTARIO CA 91761		
CROSS STREET :		(714) 986-8809	1

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: SLAGLE, ROBERT (714) 986-8809 NIGHT: SAME ( ) -

********** OWNER ASSIGNED CONTAINER NUMBER: 1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 0000040489001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG:
C. YEAR INSTALLED : UNK
D. CAPACITY (GALLONS) : 2,000
E. REPAIRS : UNKN IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: REGULAR

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS:
B. VAULTING: UNKNOWN
C. WALLING: UNKNOWN
D. MATERIAL : UNKNOWN
E. LINING : UNLINED
F. WRAPPING : UNKNOWN

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING : SUCTION
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
STOCK INVENTORY

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12032 REGULAR MOTOR VEHICLE FUEL

*** M18 ***

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 17

Distance from Property: 0.093 mi. (491 ft.) W
Elevation: 959 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0002442**
NAME: **COLUMBIA PEST CTRL OF ONT**
ADDRESS: **622 S HOPE AVE**
ONTARIO , CA 91761
OWNER: **HARPER, DALLAS D.**

PERMIT DETAILS

PERMIT #: **PT0002683**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/15**
PERMIT #: **PT0027686**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**
PERMIT #: **PT0017937**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/13**
PERMIT #: **PT0002684**
PERMIT DESCRIPTION: **CALARP FACILITY PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/04**

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 17

Distance from Property: 0.093 mi. (491 ft.) W
Elevation: 959 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0008444**
NAME: **CAPITAL IRON**
ADDRESS: **602 S HOPE AVE**
ONTARIO , CA 91761
OWNER: **KIM, JAY**

PERMIT DETAILS

PERMIT #: **PT0014736**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**
PERMIT #: **PT0014737**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/10**

Back to Report Summary

MAP ID# 17

Distance from Property: 0.091 mi. (480 ft.) W
Elevation: 959 ft. (Higher than TP)

FACILITY INFORMATION

FACILITY #: **40489**
STATUS: **ACTIVE**
BOE: **44-020991**
JURISDICTION: **SAN BERNARDINO COUNTY**
NAME: **COLUMBIA PEST CONTROL OF ONTAR**
AGENCY: **ENVIRONMENTAL HEALTH - U.S.T.**
ADDRESS: **622 S HOPE AVE**
ONTARIO, CA 91761

TANK INFORMATION

TANK #: **000001**
CAPACITY: **2000**
INSTALLED: **NOT REPORTED**
REMOVED: **NOT REPORTED**
TANK USE: **M.V. FUEL**
STORAGE TYPE: **PRODUCT**
CONTENT: **LEADED**
CONTAINMENT: **NOT REPORTED**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 18

Distance from Property: 0.093 mi. (491 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

EPA ID#: **CAL000238576**
NAME: **SIERRA TORQUE CONVERTERS & SECONDARY**
ADDRESS: **710 S HOPE AVE**
ONTARIO, CA 91761
CONTACT NAME: **NASIR KASSAM**
CONTACT ADDRESS: **710 S HOPE AVE**
ONTARIO CA 91761
CONTACT PHONE: **909-983-4622**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **03/16/2020**

OWNER TYPE: **OTHER**
OWNER NAME: **NASIR KASSAM**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **NASIR KASSAM**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
SALIM KASSAM	**MANAGER**	**03/16/2020**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **03/19/2020**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NOT REPORTED**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 18

Distance from Property: 0.093 mi. (491 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID#: **FA0006182**
NAME: **SIERRA TORQUE CONVERTER & SECONDARY**
ADDRESS: **710 HOPE AVE**
ONTARIO , CA 91761
OWNER: **KASSAM, NASIR**

PERMIT DETAILS

PERMIT #: **PT0004333**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0004334**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0004333**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0004334**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0004333**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0004334**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0004333**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0004334**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0004333**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/15**
PERMIT #: **PT0004334**

PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/15**
PERMIT #: **PT0004333**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**
PERMIT #: **PT0004334**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**
PERMIT #: **PT0026799**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 19

Distance from Property: 0.093 mi. (491 ft.) W
Elevation: 959 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0003447**
NAME: **GENERAL OUTDOOR ADVERTISING**
ADDRESS: **632 S HOPE AVE**
ONTARIO , CA 91761
OWNER: **SAN DIEGO OUTDOOR ADVERTISING**

PERMIT DETAILS

PERMIT #: **PT0007904**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/10**
PERMIT #: **PT0013781**
PERMIT DESCRIPTION: **ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/04**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 20

Distance from Property: 0.094 mi. (496 ft.) N
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000307793**
NAME: **CASTROS TOWING & GENERAL AUTO**
ADDRESS: **409 S BON VIEW AVE STE B**
ONTARIO, CA 91761-1934
CONTACT NAME: **ESTEBAN CASTRO**
CONTACT ADDRESS: **409 S BON VIEW AVE UNIT B**
ONTARIO CA 91761-0000
CONTACT PHONE: **626-863-5098**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **06/09/2006**

OWNER TYPE: **OTHER**
OWNER NAME: **PEDRO CASTRO**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **ESTEBAN CASTRO**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/05/2018**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/05/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 20

Distance from Property: 0.094 mi. (496 ft.) N
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000401299**
NAME: **NORMAN'S AUTO REPAIR**
ADDRESS: **409 S BON VIEW AVE STE A**
ONTARIO, CA 91761
CONTACT NAME: **PAULINO RAMIREZ ESPINOZA**
CONTACT ADDRESS: **409 S BON VIEW AVE STE A**
ONTARIO CA 91761
CONTACT PHONE: **909-236-4416**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **10/16/2014**

OWNER TYPE: **OTHER**
OWNER NAME: **PAULINO RAMIREZ ESPINOZA**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **PAULINO RAMIREZ ESPINOZA**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 20

Distance from Property: 0.095 mi. (502 ft.) N
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0010009**
NAME: **TARAHUMARA AUTO REPAIR**
ADDRESS: **409 S BON VIEW AVE B**
ONTARIO , CA 91761
OWNER: **AVITIA, LUIS JOSE**

PERMIT DETAILS

PERMIT #: **PT0017126**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **10/31/06**
PERMIT #: **PT0017125**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **10/31/06**

Back to Report Summary

MAP ID# 20

Distance from Property: 0.095 mi. (502 ft.) N
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0010543**
NAME: **CASTRO'S TOWING & GENERAL AUTO**
ADDRESS: **409 S BON VIEW STE B**
ONTARIO , CA 91761
OWNER: **CASTRO, PEDRO & MARIA**

PERMIT DETAILS

PERMIT #: **PT0023826**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0017923**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0023826**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0017923**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0023826**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0017923**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0023826**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0017923**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0027343**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 1**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 20

Distance from Property: 0.095 mi. (502 ft.) N
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0010682**
NAME: **A-1 AUTOMOTIVE REPAIR**
ADDRESS: **409 S BON VIEW STE A**
ONTARIO , CA 91761
OWNER: **LUIS BELLO TAMALATZI**

PERMIT DETAILS

PERMIT #: **PT0018192**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/06**
PERMIT #: **PT0018191**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/06**

Back to Report Summary

MAP ID# 20

Distance from Property: 0.097 mi. (512 ft.) N
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0015725**
NAME: **NORMAN'S AUTO REPAIR**
ADDRESS: **409 S BON VIEW AVE A**
ONTARIO , CA 91761
OWNER: **PAULINO RAMIREZ**

PERMIT DETAILS

PERMIT #: **PT0037755**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/21**
PERMIT #: **PT0034322**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/21**
PERMIT #: **PT0037755**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/20**
PERMIT #: **PT0034322**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/20**
PERMIT #: **PT0034322**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/19**
PERMIT #: **PT0037755**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/18**
PERMIT #: **PT0034322**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/18**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 21

Distance from Property: 0.108 mi. (570 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000378610**
NAME: **MBA AUTO BODY PAINT & COLLISION**
ADDRESS: **404 S BON VIEW AVE**
ONTARIO, CA 91761-1907
CONTACT NAME: **JOSE RAMIREZ**
CONTACT ADDRESS: **404 S BON VIEW AVE**
ONTARIO CA 91761-1907
CONTACT PHONE: **909-503-2374**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **09/27/2012**

OWNER TYPE: **OTHER**
OWNER NAME: **JOSE RAMIREZ**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **JOSE RAMIREZ**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/06/2018**

INDUSTRY CLASSIFICATION (NAICS)
811111 - GENERAL AUTOMOTIVE REPAIR

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/06/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 21

Distance from Property: 0.107 mi. (565 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000444629**
NAME: **ONTARIO AUTO BODY CRAFT & COLLISION**
ADDRESS: **406 S BON VIEW AVE**
ONTARIO, CA 91761
CONTACT NAME: **NOW R MIGUEL**
CONTACT ADDRESS: **406 S BON VIEW AVE**
ONTARIO CA 91761
CONTACT PHONE: **909-568-7955**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **03/21/2019**

OWNER TYPE: **OTHER**
OWNER NAME: **NOE R MIGUEL**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **NOW R MIGUEL**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**06/20/2019**

INDUSTRY CLASSIFICATION (NAICS)

811121 - AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **06/28/2019**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **YES**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 21

Distance from Property: 0.116 mi. (612 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000445481**
NAME: **HOLT AUTOBODY AND PAINT**
ADDRESS: **402 S BON VIEW AVE**
ONTARIO, CA 91761
CONTACT NAME: **BRIAN RAMIREZ**
CONTACT ADDRESS: **402 S BON VIEW AVE**
ONTARIO CA 91761
CONTACT PHONE: **909-503-2374**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **04/22/2019**

OWNER TYPE: **OTHER**
OWNER NAME: **BRIAN RAMIREZ**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **BRIAN RAMIREZ**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**06/20/2019**

INDUSTRY CLASSIFICATION (NAICS)

811121 - AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **06/28/2019**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **YES**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -

UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

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Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 21

Distance from Property: 0.098 mi. (517 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAP000148379**
NAME: **WESTERN TECHNOLOGY ASSOCIATES**
ADDRESS: **418 SOUTH BON VIEW AVE**
ONTARIO, CA 91716
CONTACT NAME: **IRA S ROSENBERG**
CONTACT ADDRESS: **PO BOX 6547**
ANAHEIM CA 92816
CONTACT PHONE: **714-333-8544**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **10/02/2003**

OWNER TYPE: **PRIVATE**
OWNER NAME: **MR IRA S ROSENBERG**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **MR IRA S ROSENBERG**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DENNIS FRIEDRICH	**AGENT FOR WESTERN TECHNOLOGY ASSOCIATES**	**09/30/2003**

INDUSTRY CLASSIFICATION (NAICS)

333319 - OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

333411 - AIR PURIFICATION EQUIPMENT MANUFACTURING

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **01/13/2004**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

D001 **IGNITABLE WASTE**

F003 **THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.**

UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**

CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**

CORRECTIVE ACTION EVENT

NO CORRECTIVE ACTION EVENT(S) REPORTED

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 21

Distance from Property: 0.095 mi. (502 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0005597**
NAME: **MEDINA'S AUTO BODY**
ADDRESS: **422 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **MEDINA, RAUL & MARIA CARMEN**

PERMIT DETAILS

PERMIT #: **PT0009342**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/08**
PERMIT #: **PT0009341**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **8/31/08**
PERMIT #: **PT0027378**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/08**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 21

Distance from Property: 0.108 mi. (570 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0007479**
NAME: **GENERAL AUTO**
ADDRESS: **402 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **WILLIAM PEWSEY**

PERMIT DETAILS

PERMIT #: **PT0012745**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/04**
PERMIT #: **PT0012746**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/04**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 21

Distance from Property: 0.108 mi. (570 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0009801**
NAME: **FRANCO AUTO REPAIR**
ADDRESS: **412 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **SILVA, FRANCISCO**

PERMIT DETAILS

PERMIT #: **PT0016645**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/06**
PERMIT #: **PT0016646**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/06**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 21

Distance from Property: 0.116 mi. (612 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0012953**
NAME: **RSR AUTO REPAIR AND BODY SHOP**
ADDRESS: **402 S BON VIEW**
ONTARIO , CA 91761
OWNER: **SOTO, FRANCISCO**

PERMIT DETAILS

PERMIT #: **PT0022663**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/16**
PERMIT #: **PT0022662**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/13**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 21

Distance from Property: 0.108 mi. (570 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0012954**
NAME: **MBA AUTO BODY PAINT & COLLISION**
ADDRESS: **404 S BON VIEW**
ONTARIO , CA 91761
OWNER: **RAMIREZ, JOSE**

PERMIT DETAILS

PERMIT #: **PT0030954**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0030954**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/16**
PERMIT #: **PT0022664**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/15**
PERMIT #: **PT0022664**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/14**
PERMIT #: **PT0022664**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/13**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 21

Distance from Property: 0.107 mi. (565 ft.) NNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0018148**
NAME: **ONTARIO AUTO BODY**
ADDRESS: **406 S BONVIEW**
ONTARIO , CA 91761
OWNER: **MIGUEL, NOE RAUL**

PERMIT DETAILS

PERMIT #: **PT0039235**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/21**
PERMIT #: **PT0039235**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **1/31/20**

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San Bernardino County Medical Waste Facility List (SBMW)

MAP ID# 22

Distance from Property: 0.113 mi. (597 ft.) S
Elevation: 942 ft. (Lower than TP)

SITE INFORMATION

SITE ID: **431820152**
FACILITY ID: **FA0001158**
NAME: **WEST END SHELTER**
ADDRESS: **1010 E MISSION BL**
ONTARIO, CA 91761
BILLING STATUS: **NOT REPORTED**
PROGRAM ELEMENT: **SQG - MEDICAL WASTE**

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Above Ground Storage Tanks (ABST)

MAP ID# 23

Distance from Property: 0.118 mi. (623 ft.) NW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **391025**
SITE ID: **391025**
FACILITY NAME: **D & M METALS**
ADDRESS: **840 E STATE ST**
ONTARIO, CA 91761
COUNTY: **NOT REPORTED**
FACILITY LINK: *Click Here*

FACILITY DETAILS

EI ID: **10038376**
EI DESCRIPTION: **ABOVEGROUND PETROLEUM STORAGE**

CHEMICAL DETAILS

NONE REPORTED

ENFORCEMENT DETAILS

ACTION DATE: **3/13/2017**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **APSA**
ACTION SOURCE: **CERS**

ACTION DATE: **3/13/2017**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HMRRP**
ACTION SOURCE: **CERS**

ACTION DATE: **3/13/2017**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HW**
ACTION SOURCE: **CERS**

ACTION DATE: **10/24/2013**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HMRRP**
ACTION SOURCE: **CERS**

EVALUATION DETAILS

EVALUATION DATE: **6/29/2020**
VIOLATIONS FOUND?: **YES**

GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **6/29/2020**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **6/29/2020**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **3/13/2017**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **3/13/2017**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **3/13/2017**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **10/24/2013**
VIOLATIONS FOUND?: **NO**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **10/24/2013**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

VIOLATION DETAILS

VIOLATION DATE: **6/29/2020**
CITATION: **22 CCR 12 66262.34(F) - CALIFORNIA CODE OF REGULATIONS, TITLE 22, CHAPTER 12, SECTION(S) 66262.34(F)**
VIOLATION DESCRIPTION: **FAILURE TO PROPERLY LABEL HAZARDOUS WASTE ACCUMULATION CONTAINERS AND PORTABLE TANKS WITH THE FOLLOWING REQUIREMENTS: ""HAZARDOUS WASTE"", NAME AND ADDRESS OF THE GENERATOR, PHYSICAL AND CHEMICAL CHARACTERISTICS OF THE HAZARDOUS WASTE, AND**
NOTES: **RETURNED TO COMPLIANCE ON 07/30/2020. OBSERVATION: THE TOTE USED TO COLLECT WASTE ABSORBENT WAS FOUND WITHOUT A HAZARDOUS WASTE THE TOTE USE TO COLLECT WASTE CAPACITORS WASTE FOUND OPEN AND NOT MANAGED IN ACCORDANCE WITH UNIVERSAL WASTE LA**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **40 CFR 1 265.173 - U.S. CODE OF FEDERAL REGULATIONS, TITLE 40, CHAPTER 1, SECTION(S) 265.173**
VIOLATION DESCRIPTION: **FAILURE TO MEET THE FOLLOWING CONTAINER MANAGEMENT REQUIREMENTS: (A) A CONTAINER HOLDING HAZARDOUS WASTE MUST ALWAYS BE CLOSED DURING STORAGE, EXCEPT WHEN IT IS NECESSARY TO ADD OR REMOVE WASTE. (B) A CONTAINER HO**
NOTES: **RETURNED TO COMPLIANCE ON 07/30/2020. OBSERVATION: THE CONTAINER USED TO COLLECT CAPACITORS AND A DRUM OF WASTE OIL WERE FOUND LEFT OPEN. CORRECTIVE ACTION: CLOSE ALL THE HAZARDOUS WASTE CONTAINERS AND SUBMIT PHOTOS TO THE CUPA DEMONSTRAT**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **40 CFR 1 265.174 - U.S. CODE OF FEDERAL REGULATIONS, TITLE 40, CHAPTER 1, SECTION(S) 265.174**
VIOLATION DESCRIPTION: **FAILURE TO INSPECT HAZARDOUS WASTE STORAGE AREAS AT LEAST WEEKLY AND LOOK FOR LEAKING AND DETERIORATING CONTAINERS.**

NOTES: **RETURNED TO COMPLIANCE ON 07/30/2020. OBSERVATION: A WEEKLY INSPECTION OF THE HAZARDOUS WASTE COLLECTION AREA HAS NOT BEEN CONDUCTED SINCE MAY 2020. CORRECTIVE ACTION: SUBMIT A COPY OF THE INSPECTION LOG DEMONSTRATING THAT THE HAZARDOUS**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **HSC 6.5 25211.3 - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) 25211.3**
VIOLATION DESCRIPTION: **FAILURE OF CERTIFIED APPLIANCE RECYCLER (CAR) TO PROVIDE DOCUMENTATION THAT ALL MATERIALS THAT REQUIRE SPECIAL HANDLING (MRSH) HAVE BEEN REMOVED.**
NOTES: **RETURNED TO COMPLIANCE ON 07/30/2020. OBSERVATION: DTSC FORM 1468 THE ORPHAN APPLIANCE MONTHLY FORM HAS NOT BEEN SUBMITTED TO THIS AGENCY. THE FORM IS REQUIRED TO BE SUBMITTED TO THE DTSC AND THE LOCAL CUPA. IN ADDITION DTSC FORM 1430 WAS**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**
VIOLATION DESCRIPTION: **FAILURE TO IMPLEMENT THE SPCC PLAN.**
NOTES: **RETURNED TO COMPLIANCE ON 07/30/2020. OBSERVATION: IT WAS FOUND THAT AS PART OF THE 2017 INSPECTION REPORT THAT A SPCC PLAN WAS PREPARED. THE PLAN WAS HOWEVER NOT IMPLEMENTED. IT WAS ALSO FOUND THAT THE MANAGEMENT APPROVAL SECTION WAS NOT**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **APSA**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **HSC 6.95 25505(A)(4) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25505(A)(4)**
VIOLATION DESCRIPTION: **FAILURE TO PROVIDE INITIAL AND ANNUAL TRAINING TO ALL EMPLOYEES IN SAFETY PROCEDURES IN THE EVENT OF A RELEASE OR THREATENED RELEASE OF A HAZARDOUS MATERIAL OR FAILURE TO DOCUMENT AND MAINTAIN TRAINING RECORDS FOR A MINIMUM OF THREE YEARS.**
NOTES: **RETURNED TO COMPLIANCE ON 07/30/2020. OBSERVATION: EMPLOYEE SAFETY TRAINING HAS NOT TAKEN PLACE SINCE 2019. CORRECTIVE ACTION: CONDUCT ANNUAL EMPLOYEE REFRESHER TRAINING AND MAINTAIN TRAINING RECORDS FOR A MINIMUM OF THREE YEARS. SUBMIT A**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **HSC 6.95 25508(A)(1) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25508(A)(1)**
VIOLATION DESCRIPTION: **FAILURE TO COMPLETE AND ELECTRONICALLY SUBMIT A SITE MAP WITH ALL REQUIRED CONTENT.**
NOTES: **RETURNED TO COMPLIANCE ON 07/03/2020. OBSERVATION: THE LOCATION OF THE PROPANE TANK SHOWN ON THE CERS MAP IS NOT CORRECT. CORRECTIVE ACTION: SUBMIT AN ACCURATE AND COMPLETE SITE MAP INTO CERS.**

VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/29/2020**
CITATION: **HSC 6.95 25508.1(A)-(F) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25508.1(A)-(F)**
VIOLATION DESCRIPTION: **FAILURE TO ELECTRONICALLY UPDATE BUSINESS PLAN WITHIN 30 DAYS OF ANY ONE OF THE FOLLOWING EVENTS: A 100 PERCENT OR MORE INCREASE IN THE QUANTITY OF A PREVIOUSLY DISCLOSED MATERIAL. ANY HANDLING OF A PREVIOUSLY UNDISCLOSED HAZARDOUS MATERI**
NOTES: **RETURNED TO COMPLIANCE ON 07/03/2020. OBSERVATION: THE ENVIRONMENTAL CONTACT INFORMATION PROVIDED IN CERS IS NOT CORRECT. CORRECTIVE ACTION: UPDATE THE BUSINESS PLAN INFORMATION. SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE TO INDICATE CERS**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 25211.3 - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) 25211.3**
VIOLATION DESCRIPTION: **FAILURE OF CERTIFIED APPLIANCE RECYCLER (CAR) TO PROVIDE DOCUMENTATION THAT ALL MATERIALS THAT REQUIRE SPECIAL HANDLING (MRSH) HAVE BEEN REMOVED.**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. AT TIME OF INSPECTION, FORM 1468 WAS NOT BEING SUBMITTED TO THIS DIVISION.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 25211.4 - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) 25211.4**
VIOLATION DESCRIPTION: **FAILURE TO OBTAIN CERTIFIED APPLIANCE RECYCLER CERTIFICATION (CAR) FROM DTSC.**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. CAR CERTIFICATION FROM DTSC EXPIRED.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 25212(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) 25212(A)**
VIOLATION DESCRIPTION: **FAILURE OF CERTIFIED APPLIANCE RECYCLER (CAR) TO PROVIDE DOCUMENTATION THAT ALL MATERIALS THAT REQUIRE SPECIAL HANDLING (MRSH) HAVE BEEN REMOVED.**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. AT TIME OF INSPECTION, 1430 FORMS WERE NOT AVAILABLE FOR REVIEW.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**

VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. FAILURE TO COMPLETE HAZARDOUS WASTE LABELS (CCR 66262.34(F)(3)) HAZARDOUS WASTE LABELS MISSING THE REQUIRED INFORMATION.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. FAILURE TO KEEP HAZARDOUS WASTE CONTAINERS CLOSED WHEN NOT IN ACTIVE USE (CCR 66265.173(A)) OPEN HAZARDOUS WASTE CONTAINERS OBSERVED.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. FAILURE TO LABEL HAZARDOUS WASTE CONTAINERS (CCR 66262.34(F)(3)) (2) 250 GAL CONTAINERS OF WASTE DIESEL WERE MISSING THE HAZARDOUS WASTE LABEL.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. FAILURE TO NOTE ACCUMULATION START DATE ON LABELS (CCR 66262.34(F)(2)) ACCUMULATION START DATE MISSING ON WASTE DIESEL CONTAINERS.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. FAILURE TO OPERATE AND MAINTAIN FACILITY TO PREVENT A FIRE, SPILL OR RELEASE (CCR 66265.31) OBSERVED OPEN CONTAINERS OF HAZARDOUS WASTE THROUGHOUT THE FACILITY.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**

VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. HAZARDOUS WASTE ACCUMULATION TIME EXCEEDED (CCR 66262.34(A)) ACCUMULATION TIME FOR STORAGE ON SITE EXCEEDED FOR THE (1) 500 LB CONTAINER OF WASTE SOLIDS.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**
VIOLATION DESCRIPTION: **FAILURE TO PREPARE AND IMPLEMENT A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN.**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. SPCC PLAN NOT PREPARED**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **APSA**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.67 25270.6(B) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.6(B)**
VIOLATION DESCRIPTION: **FAILURE TO PAY THE APSA PROGRAM FEE.**
NOTES: **RETURNED TO COMPLIANCE ON 04/20/2017. APSA PERMIT NOT OBTAINED WITH THIS DIVISION.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **APSA**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **3/13/2017**
CITATION: **HSC 6.95 25508(A)(1) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25508(A)(1)**
VIOLATION DESCRIPTION: **FAILURE TO ANNUALLY REVIEW AND ELECTRONICALLY CERTIFY THAT THE BUSINESS PLAN IS COMPLETE AND ACCURATE ON OR BEFORE THE ANNUAL DUE DATE.**
NOTES: **RETURNED TO COMPLIANCE ON 05/09/2017. BUSINESS PLAN NOT SUBMITTED ANNUALLY TO CERS.**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **10/24/2013**
CITATION: **HSC 6.95 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **BUSINESS PLAN PROGRAM - ADMINISTRATION/DOCUMENTATION - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 11/22/2013. FAILURE TO OBTAIN A CUPA HAZARDOUS MATERIALS HANDLER PERMIT (SBCC 23.0602(A))**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

AFFILIATION DETAILS

ENTITY NAME: **SAN BERNARDINO COUNTY FIRE**
ENTITY TITLE: **NOT REPORTED**

AFFILIATION ADDRESS: **620 SOUTH E STREET**
SAN BERNARDINO, CA 92415-0153
AFFILIATION DESCRIPTION: **CUPA DISTRICT**
ENTITY PHONE NUMBER: **(909) 386-8401**

ENTITY NAME: **WADE RIDDERING**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **DOCUMENT PREPARER**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **MICHAEL CURRAN**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **840 EAST STATE ST**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **ENVIRONMENTAL CONTACT**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **MAILING ADDRESS**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **840 EAST STATE STREET**
ONTARIO, CA 91761
AFFILIATION DESCRIPTION: **FACILITY MAILING ADDRESS**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **MICHAEL CURRAN**
ENTITY TITLE: **PRESIDENT**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **IDENTIFICATION SIGNER**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **C&C SCRAP SERVICES, INC.**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **1432 E. 1ST STREET**
POMONA, CA 91766
AFFILIATION DESCRIPTION: **LEGAL OWNER**
ENTITY PHONE NUMBER: **(909) 623-1373**

ENTITY NAME: **D & M METALS**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **OPERATOR**

ENTITY PHONE NUMBER: **(909) 986-1996**

ENTITY NAME: **D & M METALS**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **PARENT CORPORATION**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **JOHN LEE**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **2130 WINTERWOOD DR.**
FULLERTON, CA 92833
AFFILIATION DESCRIPTION: **PROPERTY OWNER**
ENTITY PHONE NUMBER: **(714) 738-8976**

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 23

Distance from Property: 0.118 mi. (623 ft.) NW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAL000277999**
NAME: **D & M METALS**
ADDRESS: **840 E STATE ST**
ONTARIO, CA 91761
CONTACT NAME: **MICHAEL CURRAN**
CONTACT ADDRESS: **840 E STATE ST**
ONTARIO CA 91761-0000
CONTACT PHONE: **909-986-1996**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **01/12/2004**

OWNER TYPE: **OTHER**
OWNER NAME: **D & M METALS INC**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **MICHAEL CURRAN**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**09/05/2018**

INDUSTRY CLASSIFICATION (NAICS)
42193 - RECYCLABLE MATERIAL WHOLESALERS

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **09/05/2018**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

MAP ID# 23

Distance from Property: 0.118 mi. (623 ft.) NW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0002601**
NAME: **D & M METALS**
ADDRESS: **840 E STATE ST**
ONTARIO , CA 91761
OWNER: **C&C SCRAP SERVICES, INC.**

PERMIT DETAILS

PERMIT #: **PT0002805**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0002804**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0036847**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0002805**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0002804**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0036847**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0002805**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0002804**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0036847**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0026461**

PERMIT DESCRIPTION: **APPLIANCE RECYCLER**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0002805**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0002804**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0036847**
PERMIT DESCRIPTION: **APSA 1,320-10,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0026891**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**

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Recycling Centers (SWRCY)

MAP ID# 23

Distance from Property: 0.118 mi. (623 ft.) NW
Elevation: 972 ft. (Higher than TP)

SITE INFORMATION

ID #: **RC194495.001**
NAME: **D & M METALS**
ADDRESS: **840 E STATE ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761-1836**
COUNTY: **SAN BERNARDINO**

SITE DETAILS

OPERATION BEGIN DATE: **10/6/2013**
OPERATION END DATE: **NOT REPORTED**
PROGRAM PHONE: **(909) 228-7224**
ORGANIZATION NAME: **C & C SCRAP SERVICES INC**
ADDRESS: **1432 E 1ST ST**
POMONA CA 91766
GLASS: **ACCEPTED**
ALUMINIUM: **ACCEPTED**
PLASTIC: **ACCEPTED**
BIMETAL: **ACCEPTED**

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Recycling Centers (SWRCY)

MAP ID# 23

Distance from Property: 0.140 mi. (739 ft.) NW
Elevation: 972 ft. (Higher than TP)

SITE INFORMATION

ID #: **RC4663**
NAME: **D AND M METALS**
ADDRESS: **840 E STATE ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761**
COUNTY: **SAN BERNARDINO**

SITE DETAILS

OPERATION BEGIN DATE: **06/01/92**
OPERATION END DATE: **NOT REPORTED**
PROGRAM PHONE: **(909) 986-1996**
ORGANIZATION NAME: **J LEES METALS INC**
ADDRESS: **840 E STATE ST**
ONTARIO CA 91761
GLASS: **ACCEPTED**
ALUMINIUM: **ACCEPTED**
PLASTIC: **ACCEPTED**
BIMETAL: **ACCEPTED**

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 24

Distance from Property: 0.140 mi. (739 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100140**
URL LINK: CLICK HERE
BUSINESS NAME: **MISSION READY MIX**
ADDRESS: **840 S CUCAMONGA AVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083601221T**
STATUS: **COMPLETED - CASE CLOSED 8/31/1993**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/01/50**	**LEAK STOPPED**
ENFORCEMENT	**08/31/1993**	**CLOSURE/NO FURTHER ACTION LETTER**
OTHER	**07/12/1989**	**LEAK REPORTED**
OTHER	**02/02/1989**	**LEAK DISCOVERY**
OTHER	**01/30/1989**	**LEAK STOPPED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**08/31/1993**
OPEN - REMEDIATION	**03/15/1990**
OPEN - SITE ASSESSMENT	**07/21/1989**
OPEN - CASE BEGIN DATE	**01/30/1989**
OPEN - SITE ASSESSMENT	**01/30/1989**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **VALERIE JAHN-BULL**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**

CONTACT PHONE: **9517824903**

EMAIL: **VALERIE.JAHN-BULL@WATERBOARDS.CA.GOV**

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Historical Cortese List (HISTCORTESE)

MAP ID# 24

Distance from Property: 0.118 mi. (623 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083601221TCOR**
ID#: **083601221T**
NAME: **MISSION READY MIX**
ADDRESS: **840 CUCAAMONGA**
ONTARIO, CA 91761

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MAP ID# 24

Distance from Property: 0.140 mi. (739 ft.) SE
Elevation: 937 ft. (Lower than TP)

MISSION READY MIX CONCRETE IN, 840 S CUCAMONGA AVE, ONTARIO, CA 91761
UNIQUE ID: **0002A26A**

*** GOS ***

PAGE 3270 — STATE WATER RESOURCES CONTROL BOARD — 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
MISSION READY MIX CONCRETE, IN
840 S. CUCAMONGA ONTARIO CA 91761

II FACILITY

	MAILING ADDRESS	DEALER/FOREMAN/SUPERVISOR	TYPE OF BUSINESS
MISSION READY MIX CONCRETE, IN	TOWNSHIP/RANGE/SECTION	TELEPHONE	NO. OF CONTAINERS
840 S. CUCAMONGA AVE.			
ONTARIO CA 91761	P.O. BOX 114		READY MIX CONCRETE
	ONTARIO CA 91761		
CROSS STREET :		(714) 947-3661	2
MISSION BLVD.			

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: OVERGAARD, WILLIS (714) 983-6056 NIGHT: SAME ( ) -

********** OWNER ASSIGNED CONTAINER NUMBER: 1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000012855001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG:
C. YEAR INSTALLED : 1972
D. CAPACITY (GALLONS) : 10,000
E. REPAIRS : UNKN IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: UNLEADED

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 1/4 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : CATHODIC

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING : SUCTION
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12031 UNLEADED MOTOR VEHICLE FUEL

*** HOS ***

*** HOS ***

PAGE 3271 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: 2 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000012855002 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG:
C. YEAR INSTALLED : 1972
D. CAPACITY (GALLONS) : 10,000
E. REPAIRS : UNKN IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 1/4 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : CATHODIC

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING : SUCTION
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL

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Leaking Underground Storage Tanks (LUST)

MAP ID# 24

Distance from Property: 0.140 mi. (739 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100140**
URL LINK: CLICK HERE
BUSINESS NAME: **MISSION READY MIX**
ADDRESS: **840 S CUCAMONGA AVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083601221T**
STATUS: **COMPLETED - CASE CLOSED 08/31/1993**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

Back to Report Summary

MAP ID# 24

Distance from Property: 0.140 mi. (739 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0004754**
NAME: **HOLLIDAY ROCK - ONTARIO**
ADDRESS: **840 S CUCAMONGA AVE**
ONTARIO , CA 91762
OWNER: **HOLLIDAY ROCK**

PERMIT DETAILS

PERMIT #: **PT0002125**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0012012**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0002126**
PERMIT DESCRIPTION: **WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0002125**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0012012**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0002126**
PERMIT DESCRIPTION: **WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0002125**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0012012**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0002126**
PERMIT DESCRIPTION: **WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0002125**

PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0012012**
PERMIT DESCRIPTION: **UST OWNERSHIP/OPERATING PERMIT (PER UST)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0002126**
PERMIT DESCRIPTION: **WASTE INCIDENTAL UST OPERATION ONLY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0002126**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/16**
PERMIT #: **PT0002125**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/16**
PERMIT #: **PT0012012**
PERMIT DESCRIPTION: **UST OWNERSHIP/OPERATING PERMIT (PER UST)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/16**
PERMIT #: **PT0025211**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/14**
PERMIT #: **PT0025413**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/14**
PERMIT #: **PT0025413**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0025211**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0002126**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0025413**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**

PERMIT #: **PT0025211**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0012012**
PERMIT DESCRIPTION: **UST OWNERSHIP/OPERATING PERMIT (PER UST)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0002125**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**

Back to Report Summary

MAP ID# 24

Distance from Property: 0.140 mi. (739 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

FACILITY #: **12855**
BOE: **44-020418**
NAME: **MISSION READY MIX CONCRETE, IN**
ADDRESS: **840 S CUCAMONGA AVE**
ONTARIO, CA 91761

STATUS: **ACTIVE**
JURISDICTION: **SAN BERNARDINO COUNTY**
AGENCY: **ENVIRONMENTAL HEALTH - U.S.T.**

TANK INFORMATION

TANK #: **000001**
INSTALLED: **NOT REPORTED**
TANK USE: **M.V. FUEL**
CONTENT: **REG UNLEADED**

CAPACITY: **10000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **PRODUCT**
CONTAINMENT: **NOT REPORTED**

TANK #: **000002**
INSTALLED: **NOT REPORTED**
TANK USE: **M.V. FUEL**
CONTENT: **DIESEL**

CAPACITY: **10000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **PRODUCT**
CONTAINMENT: **NOT REPORTED**

Back to Report Summary

Underground Storage Tanks (USTCUPA)

MAP ID# 24

Distance from Property: 0.140 mi. (739 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **3255466561** FACILITY ID: **FA0004754**

NAME: **HOLLIDAY ROCK - ONTARIO**

ADDRESS: **840 S. CUCAMONGA AVE.**
ONTARIO, CA 91762

COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

OTHER FACILITY NAME(S) LISTED FOR THIS SITE: **HOLLIDAY ROCK - ONTARIO**

PERMIT AGENCY: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**

FACILITY DETAILS LINK: *Click Here*

Back to Report Summary

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

MAP ID# 25

Distance from Property: 0.120 mi. (634 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

EPA ID#: **CAC003001133**
NAME: **HARRIE COHEN**
ADDRESS: **635 TAYLOR AVENUE**
ONTARIO, CA 91761
CONTACT NAME: **HARRIE COHEN**
CONTACT ADDRESS: **717 SOUTH TAYLOR AVENUE**
ONTARIO CA 91761
CONTACT PHONE: **909-988-8900**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **02/14/2019**

OWNER TYPE: **OTHER**
OWNER NAME: **HARRIE COHEN**
OPERATOR TYPE: **OTHER**
OPERATOR NAME: **HARRIE COHEN**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
DTSC HQ	**CA-DTSC**	**02/22/2019**

INDUSTRY CLASSIFICATION (NAICS)
56299 - ALL OTHER WASTE MANAGEMENT SERVICES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **NON-GENERATOR** LAST UPDATED DATE: **02/22/2019**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **YES**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT

Resource Conservation & Recovery Act - Non-Generator (RCRANGR09)

NO CORRECTIVE ACTION EVENT(S) REPORTED

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 25

Distance from Property: 0.120 mi. (634 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID#: **FA0015841**
NAME: **ONTARIO PROPERTY**
ADDRESS: **635 S TAYLOR AVE**
ONTARIO , CA 91761
OWNER: **COHEN, HARRIE B**

PERMIT DETAILS

PERMIT #: **PT0034558**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **3/31/16**
PERMIT #: **PT0034559**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **3/31/16**

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MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID #: **36360019**

NAME: **ISAAC COHEN AND SON INC**

ADDRESS: **717 SOUTH TAYLOR AVENUE**
ONTARIO, CA

STATUS (DATE): **CERTIFIED (06/30/1989)**

STANDARD INDUSTRIAL CLASSIFICATION BELIEVED TO BE CAUSE OF (POTENTIAL) CONTAMINATION:
MANU - ELECTRONIC & OTHER ELECTRIC EQUIP

ACCESS TO SITE: **NOT REPORTED**

GROUNDWATER CONTAMINATION: **C**

COMMENTS

ENFORCEMENT(OTHER) DHS. ORDER TO ABATE VIOS FACILITY IDENTIFIED ID'VIA RWQCB INACTIVE FILES BOX #65 BATTERY ACID STORAGE ON SITE 1979 THIS IS THE DATE THE SITE WAS FIRST LISTED PURSUANT TO SECTION 25356. METAL SALVAGE AND RECYCLING FACILITY. CONTAMINANTS INCLUDE SULFURIC ACID, ARSENIC, AND LEAD. PERMIT(OTHER) CO ISSUED HAZ WASTE GENERATOR PERMIT INSPECTION(STATE) RWQCB. ROUTINE COMPLI INSP. VIOS: 20GAL BATTERY ACID SPILL ONLY 2" OF FREEBOARD (12"REQUIRED),SMALL HOLES NEAR TOP OF TANK W/ LEAKS. ENFORCEMENT ACTION DHS. ENF LETTER. ENFORCEMENT(OTHER) CO PUB WK. ORDER TO ABATE VIOS. INSPECTION(STATE) RWQCB. ROUTINE COMPLI. NO VIO. VIOLATION DETECTED COMPLAINT FROM EMPL OF FARM ICE MACHINE CO.-CAUSTIC ODORS CAUSED EYE/THROAT IRRI ENFORCEMENT(OTHER) SENT PRIOR TO 6/24/74.3/1/82 ENFO LETTER FACILITY DRIVE-BY ACTIVE. OILY GROUND. BAD HOUSEKEEPING SITE INSP REQ. OPERATIONS INCLUDE RECYCLING OF OLD BATTERIES (LEAD & ACID) AND RECYCLING OF SCRAP METAL. IN OPERATION APPROXIMATELY TWENTY YEARS. ENFORCEMENT(OTHER) RWQCB. NOTIFY WASTE DISCH REP HAS TO BE INSPECTION(STATE) RWQCB. RESPONSE TO COMPLAINT, UNWASHED BATTERY CASES STORED WHERE STORM RUNOFF WATER CAN'T BE CONTROLLED, MESSY. EPA'S FIT TEAM E&E COMPLETED SITE INSPECTION RECOMMENDING NO FURTHER ACTION. DHS CERTIFIED SITE CLEAN. NO FURTHER ACTION REQUIRED. ABANDONED SITE ASSESSMENT PROGRAM (ASAP) DRIVE-BY: ACTIVE SITE. ENTRANCE IS PAVED. YARD IS ON DIRT. CRANE. HEAPS OF RUBBLE AND SCRAP METAL, PILES OF BATTERIES, STACKS OF 55- GALLON DRUMS, AND UNDETERMINED AMOUNT OF WASTE MATERIAL ON SITE. RECOMMEND SOIL SAMPLING IN EAST AREA. DIRT ON AND BELOW ASPHALT WITH CRACKS. SOIL CORE BELOW ASPHALT AND IMPACT OF GROUNDWATER IS OF CONCERN. INSPECTION(STATE) RWQCB. F-U INSP. STORAGE CONTINUES IN UNPROTECTED AREA. INSPECTION(STATE) RWQCB. ACID DRAINING TO STREET. VIOLATION DETECTED ACID TO STREET INSPECTION(STATE) RWQCB. F-U INSP. NO CHANGE. INSPECTION(STATE) RWQCB. COMPLAINT & SPILL REP FROM PUBLIC NOTIFY COHEN THAT SILLS MUST CEASE(PH=1, SPILL SAMPLE; 50 GAL WASTE TO GROUND). ENFORCEMENT(OTHER) CO ENVR.REQ TO C-U & IMPROVE DISP OF WST INSPECTION(STATE) DOHS PROBABLE CALOSHA VIOLATIONS, LEAD AND SULFURIC ACID TO GROUND. VIOLATION DETECTED ILLEGAL DISCH OF HAZ W ON-SITE (DOHS). INSPECTION(STATE) RWQCB. ROUTINE COMPLI. PROGRESS NOTED. INSPECTION(LOCAL) COMPLAINT FROM WATER ANALYST, CITY OF ONTARIO, NUMEROUS SPILLS OF DIESEL OIL FUEL VIOLATIONS REPORTED OF RCRA & STATE HAZ WASTE LAWS. INSPECTION(STATE) RWQCB. F-U INSP.

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MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

SITE INFORMATION

ID #: **36360019** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **ISAAC COHEN AND SON INC**
ADDRESS: **717 SOUTH TAYLOR AVENUE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES): **0**
LEAD AGENCY: **SMBRP**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: **THOMAS COTA**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **STATE RESPONSE**
SITE TYPE DESCRIPTION
STATE RESPONSE OR NPL
DTSC's CURRENT INVOLVEMENT AT SITE (as of 1989-06-30 00:00:00)
CERTIFIED - IDENTIFIES COMPLETED SITES WITH PREVIOUSLY CONFIRMED RELEASE THAT ARE SUBSEQUENTLY CERTIFIED BY DTSC AS HAVING BEEN REMEDIATED SATISFACTORILY UNDER DTSC OVERSIGHT
PAST USE/S THAT CAUSED THE CONTAMINATION
RECYCLING - SCRAP METAL
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

Back to Report Summary

MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

SITE INFORMATION

ID #: **36990004** ASSESSOR'S PARCEL #: **1049-212-07, 1049-212-08, 1049-212-09, 1049-212-10, 1049-212-11, 1049-212-12, 10490212-05, 10490212-06**

FACILITY LINK: CLICK HERE

NAME: **ONTARIO METAL RECYCLING**

ADDRESS: **717 S. TAYLOR AVENUE**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

SITE SIZE (ACRES): **2**

LEAD AGENCY: **SMBRP**

DTSC PROJECT MANAGER: **JOHNSON ABRAHAM**

DTSC SUPERVISOR: **SHAHIR HADDAD**

DTSC DIVISION BRANCH: **SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH**

NPL LISTED: **NO** RESTRICTED LAND USE: **YES**

SITE TYPE: **VOLUNTARY CLEANUP**

SITE TYPE DESCRIPTION

VOLUNTARY CLEANUP

DTSC's CURRENT INVOLVEMENT AT SITE (as of 2018-03-30 00:00:00)

NO FURTHER ACTION - IDENTIFIES COMPLETED SITES WHERE DTSC DETERMINED AFTER INVESTIGATION, GENERALLY A PEA (AN INITIAL ASSESSMENT), THAT THE PROPERTY DOES NOT POSE A PROBLEM TO PUBLIC HEALTH OR THE ENVIRONMENT

PAST USE/S THAT CAUSED THE CONTAMINATION

RECYCLING - SCRAP METAL

CONFIRMED CONTAMINANTS OF CONCERN

NONE SPECIFIED

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No Further Action Determination (NFA)

MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

GEOSEARCH ID: **36990004**
ENVIROSTOR ID: **36990004**
FACILITY NAME: **ONTARIO METAL RECYCLING**
ADDRESS: **717 S. TAYLOR AVENUE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

PROGRAM TYPE: **VOLUNTARY CLEANUP**
STATUS: **NO FURTHER ACTION**
STATUS DATE: **3/30/2018**
CALENVIROSCREEN SCORE: **96-100%**
SITE CODE: **401134, 401293**

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Resource Conservation & Recovery Act - Generator (RCRAGR09)

MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

EPA ID#: **CAD052851078**
NAME: **COHEN ISAAC & SON**
ADDRESS: **717 S TAYLOR**
ONTARIO, CA 91761
CONTACT NAME:
CONTACT ADDRESS: **717 S TAYLOR**
ONTARIO CA 91761
CONTACT PHONE:
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **09/01/1996**
CERTIFICATION **- NO CERTIFICATION REPORTED -**
INDUSTRY CLASSIFICATION (NAICS)
42193 - RECYCLABLE MATERIAL WHOLESALERS

OWNER TYPE: **PRIVATE**
OWNER NAME: **ISAAC & HARRIE COHEN**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **NOT REQUIRED**

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **SMALL QUANTITY GENERATOR** LAST UPDATED DATE: **09/15/2000**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **NO**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **NO**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **NO**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NO**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**
USED OIL REFINER: **NO**
USED OIL TRANSFER FACILITY: **NO**
UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS **- NO EVALUATIONS REPORTED -**
VIOLATIONS **- NO VIOLATIONS REPORTED -**
ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

- NO HAZARDOUS WASTE INFORMATION REPORTED -
UNIVERSAL WASTE **- NO UNIVERSAL WASTE REPORTED -**
CORRECTIVE ACTION AREA **- NO CORRECTIVE ACTION AREA INFORMATION REPORTED -**
CORRECTIVE ACTION EVENT
NO CORRECTIVE ACTION EVENT(S) REPORTED

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Superfund Enterprise Management System Archived Site Inventory (SEMSARCH)

MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

EPA ID#: **CAD052851078**
SITE ID#: **0901428**
NAME: **COHEN ISAAC & SON INC**
ADDRESS: **717 S TAYLOR**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FEDERAL FACILITY: **NOT A FEDERAL FACILITY**
SUPERFUND ALTERNATIVE AGREEMENT IN PLACE?: **NO**
NPL: **NOT ON THE NPL**
NON NPL STATUS: **NFRAP-SITE DOES NOT QUALIFY FOR THE NPL BASED ON EXISTING INFORMATION**
SUPERFUND SITE INFORMATION: **CLICK HERE**

Below information was gathered from the prior NFRAP update completed in 10/2013 update:

ACTION	START DATE	COMPLETION DATE	RESPONSIBILITY
PA - PRELIMINARY ASSESSMENT	**2/1/1985**	**5/1/1985**	**STATE (FUND)**
DS - DISCOVERY	**NOT REPORTED**	**7/1/1980**	**EPA FUND**
PA - PRELIMINARY ASSESSMENT	**NOT REPORTED**	**1/18/1989**	**EPA FUND**
SI - SITE INSPECTION	**NOT REPORTED**	**3/23/1990**	**EPA FUND**
VS - ARCHIVE SITE	**NOT REPORTED**	**3/23/1990**	**EPA IN-HOUSE**

ACTION DESCRIPTIONS

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

DS - (DISCOVERY) - THE PROCESS BY WHICH A POTENTIAL HAZARDOUS WASTE SITE IS BROUGHT TO THE ATTENTION OF THE EPA. THE PROCESS CAN OCCUR THROUGH THE USE OF SEVERAL MECHANISMS SUCH AS A PHONE CALL OR REFERRAL BY ANOTHER GOVERNMENT AGENCY.

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

SI - (SITE INSPECTION) - THE PROCESS OF COLLECTING SITE DATA AND SAMPLES TO CHARACTERIZE THE SEVERITY OF THE HAZARD FOR THE HAZARD RANKING SCORE AND/OR ENFORCEMENT SUPPORT.

VS - (ARCHIVE SITE) - THE DECISION IS MADE THAT NO FURTHER ACTIVITY IS PLANNED AT THE SITE.

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Voluntary Cleanup Program (VCP)

MAP ID# 26

Distance from Property: 0.122 mi. (644 ft.) W
Elevation: 954 ft. (Equal to TP)

SITE INFORMATION

ID #: **36990004** ASSESSOR'S PARCEL #: **1049-212-07, 1049-212-08, 1049-212-09, 1049-212-10, 1049-212-11, 1049-212-12, 10490212-05, 10490212-06**

URL LINK: CLICK HERE

NAME: **ONTARIO METAL RECYCLING**

ADDRESS: **717 S. TAYLOR AVENUE**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

SITE SIZE (ACRES): **2**

LEAD AGENCY: **SMBRP**

DTSC PROJECT MANAGER: **JOHNSON ABRAHAM**

DTSC SUPERVISOR: **SHAHIR HADDAD**

DTSC DIVISION BRANCH: **SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH**

NPL LISTED: **NO** RESTRICTED LAND USE: **YES**

SITE TYPE: **VOLUNTARY CLEANUP**

SITE TYPE DESCRIPTION

VOLUNTARY CLEANUP

DTSC's CURRENT INVOLVEMENT AT SITE (as of 2018-03-30 00:00:00)

NO FURTHER ACTION - IDENTIFIES COMPLETED SITES WHERE DTSC DETERMINED AFTER INVESTIGATION, GENERALLY A PEA (AN INITIAL ASSESSMENT), THAT THE PROPERTY DOES NOT POSE A PROBLEM TO PUBLIC HEALTH OR THE ENVIRONMENT

PAST USE/S THAT CAUSED THE CONTAMINATION

RECYCLING - SCRAP METAL

CONFIRMED CONTAMINANTS OF CONCERN

NONE SPECIFIED

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 27

Distance from Property: 0.126 mi. (665 ft.) WSW
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID#: **FA0009440**
NAME: **J & J INDUSTRIAL SERVICES**
ADDRESS: **820 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **J & J INDUSTRIAL SERVICES**

PERMIT DETAILS

PERMIT #: **PT0016129**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **1/31/16**
PERMIT #: **PT0016128**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **1/31/16**
PERMIT #: **PT0016129**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **01/31/14**
PERMIT #: **PT0016128**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **01/31/14**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 28

Distance from Property: 0.136 mi. (718 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0004270**
NAME: **KLEIN PRODUCTS, INC.**
ADDRESS: **816 S CUCAMONGA AVE**
ONTARIO , CA 91761
OWNER: **KLEIN PRODUCTS, INC.**

PERMIT DETAILS

PERMIT #: **PT0020482**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/17**
PERMIT #: **PT0006722**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/17**
PERMIT #: **PT0020482**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0006722**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/15**
PERMIT #: **PT0020482**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/13**
PERMIT #: **PT0006722**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/13**
PERMIT #: **PT0027828**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/13**
PERMIT #: **PT0020443**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/08**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 28

Distance from Property: 0.136 mi. (718 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0017179**
NAME: **NICKOLAS STEEL, INC.**
ADDRESS: **816 S CUCAMONGA AVE**
ONTARIO , CA 91761
OWNER: **NICKOLAS STEEL, INC.**

PERMIT DETAILS

PERMIT #: **PT0036601**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/21**
PERMIT #: **PT0036601**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/20**
PERMIT #: **PT0036601**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/19**
PERMIT #: **PT0036601**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/18**
PERMIT #: **PT0036601**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/17**

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CALSITES Database (CALSITES)

MAP ID# 29

Distance from Property: 0.148 mi. (781 ft.) NW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

ID #: **36500005**

NAME: **D & M METALS, INC**

ADDRESS: **824 EAST STATE STREET**
ONTARIO, CA

STATUS (DATE): **PROPERTY/SITE REFERRED TO ANOTHER AGENCY (08/22/1995)**

STANDARD INDUSTRIAL CLASSIFICATION BELIEVED TO BE CAUSE OF (POTENTIAL) CONTAMINATION:
WHOLESALE TRADE - DURABLE GOODS

ACCESS TO SITE: **CONTROLLED**

GROUNDWATER CONTAMINATION: **NOT REPORTED**

COMMENTS

FACILITY IDENTIFIED ID VIA DMI FILE LISTING FACILITY DRIVE-BY ACTIVE ALUMINUM SMELTER ON SITE POOR HOUSEKEEPING FINAL STRATEGY SITE REFERED: TO HWMB/ENF SITE SCREENING DONE FURTHER RECORD SEARCH NEEDED. FACILITY DRIVE-BY DRIVE BY SHOWING USED AUTO BATTERIES, CORROSIVE AND CYANIDE DRUMS. 1 CORROSIV AND 2 CYANIDE DRUMS OUTSIDE FENCE. GROUND PHOTOS DRIVEBY PHOTOS ATTACHED TO REPORT. CONTACTS: D&M METALS, JIM CAVANAUGH SAN BERNARDINO CO. ASSESSOR'S OFFICE CO. DEPT. OF ENVIR HEALTH, PETE BRIERTY CITY OF ONTARIO, ENGINEERING DEPT. ONTARIO FIRE DEPT. PRELIM ASSESS DONE EPA RECOMMENDATION: NO FURTHER ACTION SINCE IT IS UNLIKELY TO QUALIFY FOR THE NPL. STATE RECOMMENDATION: SI LOW BASED ON THE LACK OF INFORMATION ON HISTORIC USE OF THE SITE (REPORTEDLY AN OIL DISTRIB. AND STYROFOAM MNFR.). SITE SCREENING/FILE SEARCH CONCLUDES NFA FOR DTSC. DUE TO PETROLEUM EXCLUSION, REFER TO COUNTY.

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MAP ID# 29

Distance from Property: 0.148 mi. (781 ft.) NW
Elevation: 972 ft. (Higher than TP)

SITE INFORMATION

ID #: **36500005** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **D & M METALS, INC**
ADDRESS: **824 EAST STATE STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: *** MMONROY**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **HISTORICAL**
SITE TYPE DESCRIPTION
*** HISTORICAL**
DTSC's CURRENT INVOLVEMENT AT SITE (as of 1995-08-22 00:00:00)
REFER: OTHER AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

Back to Report Summary

Referred to Another Local or State Agency (REF)

MAP ID# 29

Distance from Property: 0.148 mi. (781 ft.) NW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **36500005**
ENVIROSTOR ID: **36500005**
FACILITY NAME: **D & M METALS, INC**
ADDRESS: **824 EAST STATE STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

PROGRAM TYPE: **HISTORICAL**
STATUS: **REFER: OTHER AGENCY**
STATUS DATE: **8/22/1995**
CALENVIROSCREEN SCORE: **96-100%**
SITE CODE: **NOT REPORTED**

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Superfund Enterprise Management System Archived Site Inventory (SEMSARCH)

MAP ID# 29

Distance from Property: 0.148 mi. (781 ft.) NW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAD982360067**
SITE ID#: **0903130**
NAME: **D&M METALS INC**
ADDRESS: **824 E STATE ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FEDERAL FACILITY: **NOT A FEDERAL FACILITY**
SUPERFUND ALTERNATIVE AGREEMENT IN PLACE?: **NO**
NPL: **NOT ON THE NPL**
NON NPL STATUS: **NFRAP-SITE DOES NOT QUALIFY FOR THE NPL BASED ON EXISTING INFORMATION**
SUPERFUND SITE INFORMATION: **CLICK HERE**

Below information was gathered from the prior NFRAP update completed in 10/2013 update:

ACTION	START DATE	COMPLETION DATE	RESPONSIBILITY
DS - DISCOVERY	**NOT REPORTED**	**12/1/1987**	**STATE (FUND)**
PA - PRELIMINARY ASSESSMENT	**NOT REPORTED**	**11/4/1988**	**EPA FUND**
VS - ARCHIVE SITE	**NOT REPORTED**	**11/4/1988**	**EPA IN-HOUSE**

ACTION DESCRIPTIONS

DS - (DISCOVERY) - THE PROCESS BY WHICH A POTENTIAL HAZARDOUS WASTE SITE IS BROUGHT TO THE ATTENTION OF THE EPA. THE PROCESS CAN OCCUR THROUGH THE USE OF SEVERAL MECHANISMS SUCH AS A PHONE CALL OR REFERRAL BY ANOTHER GOVERNMENT AGENCY.

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

VS - (ARCHIVE SITE) - THE DECISION IS MADE THAT NO FURTHER ACTIVITY IS PLANNED AT THE SITE.

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MAP ID# 30

Distance from Property: 0.141 mi. (744 ft.) WNW
Elevation: 972 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0005157**
NAME: **PACIFIC AUTO WRECKING**
ADDRESS: **802 E ONTARIO BLVD**
ONTARIO , CA 91761
OWNER: **ZHIHAO, DING**

PERMIT DETAILS

PERMIT #: **PT0008218**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/21**
PERMIT #: **PT0008217**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/21**
PERMIT #: **PT0008218**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/20**
PERMIT #: **PT0008217**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/20**
PERMIT #: **PT0008218**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/19**
PERMIT #: **PT0008217**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/19**
PERMIT #: **PT0008217**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/18**
PERMIT #: **PT0008218**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **4/30/18**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 31

Distance from Property: 0.147 mi. (776 ft.) E
Elevation: 948 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0001756**
NAME: **CAN-AM AUTO SALVAGE INC**
ADDRESS: **1101 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **PATTISON,J/JENSEN, K & D**

PERMIT DETAILS

PERMIT #: **PT0003015**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/10**
PERMIT #: **PT0003016**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/10**

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MAP ID# 31

Distance from Property: 0.147 mi. (776 ft.) E
Elevation: 948 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0008266**
NAME: **A & A USED AUTO PARTS**
ADDRESS: **1101 E CALIFORNIA ST STE A**
ONTARIO , CA 91761
OWNER: **SHEFFIELD, MARK**

PERMIT DETAILS

PERMIT #: **PT0014461**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/17**
PERMIT #: **PT0014462**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/17**
PERMIT #: **PT0014461**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **04/30/15**
PERMIT #: **PT0014462**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **04/30/15**
PERMIT #: **PT0014461**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **04/30/14**
PERMIT #: **PT0014462**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **04/30/14**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 31

Distance from Property: 0.147 mi. (776 ft.) E
Elevation: 948 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0013419**
NAME: **BIG THREE AUTO DISMANTLING INC**
ADDRESS: **1101 E CALIFORNIA ST UNIT B**
ONTARIO , CA 91761
OWNER: **MINASIAN, GOHAR**

PERMIT DETAILS

PERMIT #: **PT0023624**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/14**
PERMIT #: **PT0023623**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **9/30/14**
PERMIT #: **PT0028742**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**

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Historical Cortese List (HISTCORTESE)

MAP ID# 32

Distance from Property: 0.170 mi. (898 ft.) SE
Elevation: 937 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083602564TCOR**
ID#: **083602564T**
NAME: **ONTARIO OMS #1.**
ADDRESS: **905 CUCAAMONGA**
ONTARIO, CA 91761

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 33

Distance from Property: 0.175 mi. (924 ft.) WSW
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID#: **FA0007508**
NAME: **PREFERRED POOLS**
ADDRESS: **758 E CALIFORNIA**
ONTARIO , CA 91762
OWNER: **FORD, JON**

PERMIT DETAILS

PERMIT #: **PT0012858**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/21**
PERMIT #: **PT0012858**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/20**
PERMIT #: **PT0012858**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/19**
PERMIT #: **PT0012858**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0012862**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**
PERMIT #: **PT0012861**
PERMIT DESCRIPTION: **RMP INSPECTION - PROGRAM 3**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**
PERMIT #: **PT0012859**
PERMIT DESCRIPTION: **CALARP FACILITY PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 33

Distance from Property: 0.175 mi. (924 ft.) WSW
Elevation: 954 ft. (Equal to TP)

FACILITY INFORMATION

ID#: **FA0014731**
NAME: **WATERWAYS POOLS**
ADDRESS: **758 E CALIFORNIA**
ONTARIO , CA 91762
OWNER: **NIXON, MATT**

PERMIT DETAILS

PERMIT #: **PT0025715**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **10/31/18**
PERMIT #: **PT0025715**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **10/31/17**
PERMIT #: **PT0029043**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 1**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **10/31/14**

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MAP ID# 34

Distance from Property: 0.180 mi. (950 ft.) N
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0004524**
NAME: **M & M MACHINERY**
ADDRESS: **810 E MAIN ST**
ONTARIO , CA 91761
OWNER: **NOVAK, MICHAEL**

PERMIT DETAILS

PERMIT #: **PT0008626**
PERMIT DESCRIPTION: **SPECIAL HANDLER**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **8/31/04**
PERMIT #: **PT0008627**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **8/31/04**

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MAP ID# 34

Distance from Property: 0.180 mi. (950 ft.) N
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0006284**
NAME: **ICL PERFORMANCE PRODUCTS LP**
ADDRESS: **810 E MAIN ST**
ONTARIO , CA 91761
OWNER: **ICL PERFORMANCE PRODUCTS LP**

PERMIT DETAILS

PERMIT #: **PT0013610**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**
PERMIT #: **PT0017023**
PERMIT DESCRIPTION: **UW HANDLER WITH ANOTHER CUPA PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**
PERMIT #: **PT0003915**
PERMIT DESCRIPTION: **HAZARDOUS WASTE GENERATOR - 26-50 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**
PERMIT #: **PT0003918**
PERMIT DESCRIPTION: **HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/13**

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MAP ID# 35

Distance from Property: 0.182 mi. (961 ft.) NNW
Elevation: 976 ft. (Higher than TP)

E-Z SERVE OF CALIF INC, 316 S BON VIEW AVE, ONTARIO, CA 91761
UNIQUE ID: **00029DDE**

*** B11 ***

PAGE 1741 — STATE WATER RESOURCES CONTROL BOARD — 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

I OWNER
E-Z SERVE OF CALIFORNIA, INC.
P.O. BOX 3550 ONTARIO CA 91761

II FACILITY

	MAILING ADDRESS	DEALER/FOREMAN/SUPERVISOR	TYPE OF BUSINESS
E-Z SERVE OF CALIF., INC.	TOWNSHIP/RANGE/SECTION	TELEPHONE	NO. OF CONTAINERS
316 S. BON VIEW AVE.			
ONTARIO CA 91761	P.O. BOX 3550	SAME	GASOLINE STATION
	ONTARIO CA 91761		
CROSS STREET :		(714) 984-1261	4
STATE ST.			

III 24-HR. CONTACT PERSON / TELEPHONE
DAY: ORTLOFF, EARL (714) 984-1261 NIGHT: ORTLOFF, EARL (714) 736-6489

********** OWNER ASSIGNED CONTAINER NUMBER: 1 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000013365001 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: BUEHLER /1981
C. YEAR INSTALLED : 1981
D. CAPACITY (GALLONS) : 12,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: DIESEL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 1/4" INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING : PRESSURE
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12034 DIESEL MOTOR VEHICLE FUEL

*** C11 ***

PAGE 1742 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: 2 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000013365002 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG:
C. YEAR INSTALLED : UNK
D. CAPACITY (GALLONS) : 10,000
E. REPAIRS : UNKN IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: ETHANOL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 1/4" INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING : PRESSURE
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
STOCK INVENTORY NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
NONE

********** OWNER ASSIGNED CONTAINER NUMBER: 3 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000013365003 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG:
C. YEAR INSTALLED : UNK
D. CAPACITY (GALLONS) : 10,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE: 01
G. STORES : PRODUCT
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: ETHANOL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 1/4" INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING :
B. UNDERGROUND PIPING : PRESSURE
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
NONE

*** D11 ***

PAGE 1743 STATE WATER RESOURCES CONTROL BOARD 06/01/88
HAZARDOUS SUBSTANCE STORAGE CONTAINER INFORMATION FOR SAN BERNARDINO COUNTY
CONTAINER TYPES: 1,2,3,4,5
(1=FARM MOTOR VEHICLE FUEL TANKS, 2=ALL OTHER PRODUCT TANKS, 3=WASTE TANKS, 4=SUMPS, 5=PITS, PONDS, LAGOONS & OTHERS)

********** OWNER ASSIGNED CONTAINER NUMBER: 4 ********** STATE BOARD ASSIGNED CONTAINER ID NUMBER: 00000013365004 **********

IV DESCRIPTION
A. CONTAINER TYPE : TANK
B. MANUFACTURER/YR OF MFG: /
C. YEAR INSTALLED : 1974
D. CAPACITY (GALLONS) : 2,000
E. REPAIRS : NONE IF YES WHEN :
F. CURRENTLY USED : YES IF NO, YEAR OF LAST USE:
G. STORES : WASTE
H. MOTOR VEHICLE FUEL/WASTE OIL : YES CONTAINS: WASTE OIL

IS CONTAINER LOCATED ON A FARM : NO

V CONTAINER CONSTRUCTION
A. THICKNESS: 3/16 INCHES B. VAULTING: NON-VAULTED C. WALLING: SINGLE
D. MATERIAL : CARBON STEEL
E. LINING : UNLINED
F. WRAPPING : NONE

VI PIPING
A. ABOVEGROUND PIPING : B. UNDERGROUND PIPING : GRAVITY
C. REPAIRS : NONE IF YES, YEAR OF MOST RECENT REPAIR:

VII LEAK DETECTION
NONE 0

COMPOSITION OF SUBSTANCES CURRENTLY STORED IN CONTAINER
12035 WASTE OIL

*** E11 ***

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 35

Distance from Property: 0.182 mi. (961 ft.) NNW
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0006185**
NAME: **SIGMA CORPORATION**
ADDRESS: **316 S BON VIEW AVE**
ONTARIO , CA 91761
OWNER: **SIGMA CORPORATION**

PERMIT DETAILS

PERMIT #: **PT0009251**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **11/30/14**
PERMIT #: **PT0029571**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 1**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **11/30/14**

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MAP ID# 35

Distance from Property: 0.182 mi. (961 ft.) NNW
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

FACILITY #: **13365**
BOE: **44-020445**
NAME: **E-Z SERVE OF CALIF., INC.**
ADDRESS: **316 S BON VIEW AVE**
ONTARIO, CA 91761

STATUS: **ACTIVE**
JURISDICTION: **SAN BERNARDINO COUNTY**
AGENCY: **ENVIRONMENTAL HEALTH - U.S.T.**

TANK INFORMATION

TANK #: **000001**
INSTALLED: **NOT REPORTED**
TANK USE: **M.V. FUEL**
CONTENT: **DIESEL**
CAPACITY: **12000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **PRODUCT**
CONTAINMENT: **NOT REPORTED**

TANK #: **000002**
INSTALLED: **NOT REPORTED**
TANK USE: **CHEMICAL**
CONTENT: **ETHANOL**
CAPACITY: **10000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **PRODUCT**
CONTAINMENT: **NOT REPORTED**

TANK #: **000003**
INSTALLED: **NOT REPORTED**
TANK USE: **CHEMICAL**
CONTENT: **ETHANOL**
CAPACITY: **10000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **PRODUCT**
CONTAINMENT: **NOT REPORTED**

TANK #: **000004**
INSTALLED: **NOT REPORTED**
TANK USE: **OIL**
CONTENT: **WASTE OIL**
CAPACITY: **2000**
REMOVED: **NOT REPORTED**
STORAGE TYPE: **WASTE**
CONTAINMENT: **NOT REPORTED**

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MAP ID# 36

Distance from Property: 0.184 mi. (972 ft.) E
Elevation: 948 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0013371**
NAME: **CAN AM AUTO SALVAGE INC**
ADDRESS: **1125 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **CAN AM AUTO SALVAGE INC**

PERMIT DETAILS

PERMIT #: **PT0023612**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0023611**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0023612**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0023611**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0023612**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0023611**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0023612**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0023611**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0028119**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**

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MAP ID# 37

Distance from Property: 0.195 mi. (1,030 ft.) NNW
Elevation: 979 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0017686**
NAME: **JC HORIZON LTD.**
ADDRESS: **825 E STATE ST**
ONTARIO , CA 91761
OWNER: **JUDY LEE**

PERMIT DETAILS

PERMIT #: **PT0038126**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/21**
PERMIT #: **PT0038098**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/21**
PERMIT #: **PT0038126**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/20**
PERMIT #: **PT0038098**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/20**
PERMIT #: **PT0038098**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/19**
PERMIT #: **PT0038126**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/19**
PERMIT #: **PT0038098**
PERMIT DESCRIPTION: **HAZMAT HANDLER GENERAL ACT.(NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **6/30/18**
PERMIT #: **PT0038126**
PERMIT DESCRIPTION: **HAZWASTE GENERAL ACTIVITY (NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **6/30/18**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 38

Distance from Property: 0.199 mi. (1,051 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0009214**
NAME: **AW COULTER TRUCKING**
ADDRESS: **737 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **A.W. COULTER TRUCKING**

PERMIT DETAILS

PERMIT #: **PT0015321**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/10**
PERMIT #: **PT0015320**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/10**
PERMIT #: **PT0015319**
PERMIT DESCRIPTION: **ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **7/31/08**

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MAP ID# 39

Distance from Property: 0.207 mi. (1,093 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0012686**
NAME: **ALTA ADVANCED TECHNOLOGIES INC**
ADDRESS: **760 E SUNKIST ST**
ONTARIO , CA 91761
OWNER: **ALTA ADVANCED TECHNOLOGIES INC**

PERMIT DETAILS

PERMIT #: **PT0022388**
PERMIT DESCRIPTION: **CE ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0022387**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0023481**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0022388**
PERMIT DESCRIPTION: **CE ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0023481**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0022387**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0022388**
PERMIT DESCRIPTION: **CE ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0023481**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0022387**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0022388**

PERMIT DESCRIPTION: **CE ANNUAL FEE**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0023481**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0022387**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0028399**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**
PERMIT #: **PT0024010**
PERMIT DESCRIPTION: **CE UNIT (NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **9/30/12**
PERMIT #: **PT0024011**
PERMIT DESCRIPTION: **CE UNIT (NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **9/30/12**
PERMIT #: **PT0024317**
PERMIT DESCRIPTION: **CE UNIT (NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **9/30/12**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 39

Distance from Property: 0.207 mi. (1,093 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0017830**
NAME: **VITCO DISTRIBUTORS**
ADDRESS: **715 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **VITCO DISTRIBUTORS**

PERMIT DETAILS

PERMIT #: **PT0038550**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/21**
PERMIT #: **PT0038550**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/20**
PERMIT #: **PT0038550**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **3/31/19**

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MAP ID# 40

Distance from Property: 0.219 mi. (1,156 ft.) WNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0004638**
NAME: **VERIZON BUSINESS: ONTRCA**
ADDRESS: **756 E STATE ST**
ONTARIO , CA 91761
OWNER: **MCI COMMUNICATIONS SERVICES, INC DBA VERIZON BUSINESS**

PERMIT DETAILS

PERMIT #: **PT0004773**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/21**
PERMIT #: **PT0004773**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/20**
PERMIT #: **PT0004773**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/19**
PERMIT #: **PT0004773**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **8/31/18**
PERMIT #: **PT0004773**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/15**
PERMIT #: **PT0026886**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 1**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**
PERMIT #: **PT0004773**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **08/31/13**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 40

Distance from Property: 0.237 mi. (1,251 ft.) WNW
Elevation: 973 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0008162**
NAME: **BAUSMAN & COMPANY**
ADDRESS: **745 E STATE ST**
ONTARIO , CA 91761
OWNER: **CRAIG JOHNSON**

PERMIT DETAILS

PERMIT #: **PT0014312**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **3/31/09**
PERMIT #: **PT0014311**
PERMIT DESCRIPTION: **HAZARDOUS WASTE GENERATOR - 0-10 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **3/31/09**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 41

Distance from Property: 0.224 mi. (1,183 ft.) ESE
Elevation: 931 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0015686**
NAME: **HEREWEGO LLC DBA PIRTEK INLAND VALLEY**
ADDRESS: **909 S CUCAMONGA AVE STE 101**
ONTARIO , CA 91761
OWNER: **PIRTEK USA LLC**

PERMIT DETAILS

PERMIT #: **PT0034256**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0034256**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0038295**
PERMIT DESCRIPTION: **HAZMAT HANDLER GENERAL ACT.(NB)**
STATUS: **FEE EXEMPT**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0034256**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0034256**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0034256**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/15**

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MAP ID# 42

Distance from Property: 0.226 mi. (1,193 ft.) NW
Elevation: 981 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0013260**
NAME: **AG CONSTRUCTION**
ADDRESS: **807 E STATE ST**
ONTARIO , CA 91761
OWNER: **ALBERTO GARCIA**

PERMIT DETAILS

PERMIT #: **PT0023389**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0023388**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/21**
PERMIT #: **PT0023389**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0023388**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/20**
PERMIT #: **PT0023389**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0023388**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 4-10 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/19**
PERMIT #: **PT0023388**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0023389**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **9/30/18**
PERMIT #: **PT0028432**
PERMIT DESCRIPTION: **CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 2**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **09/30/14**

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Above Ground Storage Tanks (ABST)

MAP ID# 43

Distance from Property: 0.226 mi. (1,193 ft.) S
Elevation: 926 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **396303**
SITE ID: **396303**
FACILITY NAME: **LEGACY SUPPLY CHAIN SERVICES**
ADDRESS: **1000 S CUCAMONGA AVE**
ONTARIO, CA 91761
COUNTY: **NOT REPORTED**
FACILITY LINK: *Click Here*

FACILITY DETAILS

EI ID: **10047334**
EI DESCRIPTION: **ABOVEGROUND PETROLEUM STORAGE**

CHEMICAL DETAILS

NONE REPORTED

ENFORCEMENT DETAILS

ACTION DATE: **6/28/2016**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **APSA**
ACTION SOURCE: **CERS**

ACTION DATE: **6/28/2016**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HMRRP**
ACTION SOURCE: **CERS**

ACTION DATE: **6/28/2016**
ACTION TYPE: **NOTICE OF VIOLATION ISSUED BY THE INSPECTOR AT THE TIME OF INSPECTION**
ACTION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
ACTION PROGRAM: **HW**
ACTION SOURCE: **CERS**

EVALUATION DETAILS

EVALUATION DATE: **8/9/2019**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **8/9/2019**

VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **6/28/2016**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **APSA**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **6/28/2016**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HMRRP**
EVALUATION SOURCE: **CERS**

EVALUATION DATE: **6/28/2016**
VIOLATIONS FOUND?: **YES**
GENERAL TYPE: **COMPLIANCE EVALUATION INSPECTION**
EVALUATION TYPE: **ROUTINE DONE BY LOCAL AGENCY**
EVALUATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
EVALUATION PROGRAM: **HW**
EVALUATION SOURCE: **CERS**

VIOLATION DETAILS

VIOLATION DATE: **8/9/2019**
CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**
VIOLATION DESCRIPTION: **FAILURE TO PREPARE A SPILL PREVENTION, CONTROL, AND COUNTERMEASURES (SPCC) PLAN.**
NOTES: **RETURNED TO COMPLIANCE ON 11/20/2019. OBSERVATION: THIS FACILITY STORES OVER 1,320 GALLONS OF PETROLEUM BASED PRODUCTS ON SITE. AT THE TIME OF THE INSPECTION, FACILITY HAD NOT PREPARED AN SPCC PLAN. CORRECTIVE ACTION: PREPARE AND IMPLEMENT**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **APSA**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **8/9/2019**
CITATION: **HSC 6.95 25508(A)(1) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25508(A)(1)**

VIOLATION DESCRIPTION: **FAILURE TO COMPLETE AND ELECTRONICALLY SUBMIT A SITE MAP WITH ALL REQUIRED CONTENT.**
NOTES: **RETURNED TO COMPLIANCE ON 08/14/2019. OBSERVATION: THE SITE MAP IN CERS WAS MISSING LOCATION OF EVACUATION SITE, EMERGENCY RESPONSE EQUIPMENT, EMERGENCY SHUT OFFS (GAS, WATER, ELECTRICITY) AND STORM DRAINS. CORRECTIVE ACTION: SUBMIT AN ACCU**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **8/9/2019**
CITATION: **HSC 6.95 25508(A)(1) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25508(A)(1)**
VIOLATION DESCRIPTION: **FAILURE TO COMPLETE AND ELECTRONICALLY SUBMIT HAZARDOUS MATERIAL INVENTORY INFORMATION FOR ALL REPORTABLE HAZARDOUS MATERIALS ON SITE AT OR ABOVE REPORTABLE QUANTITIES.**
NOTES: **RETURNED TO COMPLIANCE ON 08/14/2019. OBSERVATION: OBSERVED (40) 8 GALLON CYLINDERS OF PROPANE, (28) LEAD ACID FORKLIFT BATTERIES AND (1) 850 GALLON DIESEL GENERATOR NOT REPORTED IN CERS. CORRECTIVE ACTION: SUBMIT AN ACCURATE AND COMPLETE H**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HMRRP**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/28/2016**
CITATION: **HSC 6.5 MULTIPLE - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.5, SECTION(S) MULTIPLE**
VIOLATION DESCRIPTION: **HAZARDOUS WASTE GENERATOR PROGRAM - OPERATIONS/MAINTENANCE - GENERAL**
NOTES: **RETURNED TO COMPLIANCE ON 09/12/2017. FAILURE TO KEEP HAZARDOUS WASTE CONTAINERS CLOSED WHEN NOT IN ACTIVE USE (CCR 66265.173(A)) IT WAS OBSERVED IN THE MAINTENANCE SHOP THAT THERE WERE 5 GALLON BUCKETS OF USED OIL BEING STORED OPEN. COM**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **HW**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/28/2016**
CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**
VIOLATION DESCRIPTION: **FAILURE TO COMPLY WITH ONE OR MORE OF THE FOLLOWING REQUIREMENTS: 1. HAVE RECORD OF INSPECTIONS AND INTEGRITY TESTS SIGNED BY THE APPROPRIATE SUPERVISOR OR INSPECTOR. 2. KEEP WRITTEN PROCEDURES AND RECORDS OF INSPECTIONS AND INTEGRIT**
NOTES: **RETURNED TO COMPLIANCE ON 09/23/2017. PER SPCC PLAN AST INSPECTIONS ARE TO BE CONDUCTED ANNUALLY AND STI SP001-03 TESTING EVERY 5 YEARS. SPCC AST TANK INSPECTIONS ARE NOT BEING CONDUCTED AND INSPECTION/TESTING RECORDS WERE NOT AVAILABLE FO**
VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**
VIOLATION PROGRAM: **APSA**
VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/28/2016**
CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**
VIOLATION DESCRIPTION: **FAILURE TO DISCUSS IN THE SPCC PLAN PROCEDURES TO TEST OR INSPECT EACH ABOVEGROUND CONTAINER FOR INTEGRITY IN ACCORDANCE WITH INDUSTRY STANDARDS: 1. ON A REGULAR**

SCHEDULE. 2. AFTER MATERIAL REPAIRS ARE MADE. 3. BY QUALIFIED PERS

NOTES: **RETURNED TO COMPLIANCE ON 09/23/2017. 1. DURING THE INSPECTION OIL WAS OBSERVED IN THE INTERSTITIAL SPACE BETWEEN THE PRIMARY AND SECONDARY TANK OF THE 240 GALLON AST OF NEW OIL. FOR BULK STORAGE CONTAINERS, OPERATOR MUST FREQUENTLY INSPECT**

VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**

VIOLATION PROGRAM: **APSA**

VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/28/2016**

CITATION: **HSC 6.67 25270.4.5(A) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.67, SECTION(S) 25270.4.5(A)**

VIOLATION DESCRIPTION: **FAILURE TO INCLUDE IN THE SPCC PLAN AND DOCUMENT DISCHARGE PREVENTION BRIEFINGS FOR OIL-HANDLING PERSONNEL AT LEAST ONCE A YEAR, INCLUDING, BUT NOT LIMITED TO, KNOWN DISCHARGES, FAILURES, AND MALFUNCTIONING COMPONENTS.**

NOTES: **RETURNED TO COMPLIANCE ON 09/23/2017. DURING THE INSPECTION, THE OPERATOR WAS UNABLE TO PROVIDE INFORMATION THAT THE OPERATOR CONDUCTS ANNUAL SPCC BRIEFINGS FOR THE OIL HANDLING PERSONAL AT THE FACILITY. COMPLIANCE STATEMENT: SUBMIT A SI**

VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**

VIOLATION PROGRAM: **APSA**

VIOLATION SOURCE: **CERS**

VIOLATION DATE: **6/28/2016**

CITATION: **HSC 6.95 25508(A)(1) - CALIFORNIA HEALTH AND SAFETY CODE, CHAPTER 6.95, SECTION(S) 25508(A)(1)**

VIOLATION DESCRIPTION: **FAILURE TO ANNUALLY REVIEW AND ELECTRONICALLY CERTIFY THAT THE BUSINESS PLAN IS COMPLETE AND ACCURATE ON OR BEFORE THE ANNUAL DUE DATE.**

NOTES: **RETURNED TO COMPLIANCE ON 05/01/2017. THE LAST BUSINESS PLAN THAT WAS SUBMITTED TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM WAS ON 7-7-13. COMPLIANCE REQUIREMENT: SUBMIT THE BUSINESS PLAN TO CERS AND SUBMIT A SIGNED STATEMENT INDICA**

VIOLATION DIVISION: **SAN BERNARDINO COUNTY FIRE DEPARTMENT**

VIOLATION PROGRAM: **HMRRP**

VIOLATION SOURCE: **CERS**

AFFILIATION DETAILS

ENTITY NAME: **SAN BERNARDINO COUNTY FIRE**

ENTITY TITLE: **NOT REPORTED**

AFFILIATION ADDRESS: **620 SOUTH E STREET**
SAN BERNARDINO, CA 92415-0153

AFFILIATION DESCRIPTION: **CUPA DISTRICT**

ENTITY PHONE NUMBER: **(909) 386-8401**

ENTITY NAME: **MARY DINKEL**

ENTITY TITLE: **NOT REPORTED**

AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED

AFFILIATION DESCRIPTION: **DOCUMENT PREPARER**

ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **MARY DINKEL**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **4703 REDBUD FOREST PLACE**
LOUISVILLE, KY 40245
AFFILIATION DESCRIPTION: **ENVIRONMENTAL CONTACT**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **MAILING ADDRESS**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **1000 S. CUCAMONGA AVE.**
ONTARIO, CA 91761-3461
AFFILIATION DESCRIPTION: **FACILITY MAILING ADDRESS**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **BO BAIRD**
ENTITY TITLE: **GENERAL MANAGER**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **IDENTIFICATION SIGNER**
ENTITY PHONE NUMBER: **NOT REPORTED**

ENTITY NAME: **LEGACY SUPPLY CHAIN SERVICES II**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **1000 S. CUCAMONGA AVE.**
ONTARIO, CA 91761-3461
AFFILIATION DESCRIPTION: **LEGAL OWNER**
ENTITY PHONE NUMBER: **(909) 923-8347**

ENTITY NAME: **LEGACY SUPPLY CHAIN SERVICES II**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **OPERATOR**
ENTITY PHONE NUMBER: **(909) 923-8347**

ENTITY NAME: **LEGACY SUPPLY CHAIN SERVICES, ONTARIO**
ENTITY TITLE: **NOT REPORTED**
AFFILIATION ADDRESS: **NOT REPORTED**
NOT REPORTED, NOT REPORTED NOT REPORTED
AFFILIATION DESCRIPTION: **PARENT CORPORATION**
ENTITY PHONE NUMBER: **NOT REPORTED**

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MAP ID# 43

Distance from Property: 0.226 mi. (1,193 ft.) S
Elevation: 926 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0007696**
NAME: **LEGACY SUPPLY CHAIN SERVICES**
ADDRESS: **1000 S CUCAMONGA AVE**
ONTARIO , CA 91761
OWNER: **LEGACY SUPPLY CHAIN SERVICES II**

PERMIT DETAILS

PERMIT #: **PT0020596**
PERMIT DESCRIPTION: **APSA 10,001-100,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/21**
PERMIT #: **PT0037562**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/21**
PERMIT #: **PT0020596**
PERMIT DESCRIPTION: **APSA 10,001-100,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/20**
PERMIT #: **PT0037562**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/20**
PERMIT #: **PT0020596**
PERMIT DESCRIPTION: **APSA 10,001-100,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/19**
PERMIT #: **PT0037562**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/19**
PERMIT #: **PT0020597**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0013247**
PERMIT DESCRIPTION: **UST GENERAL HEALTH PROGRAM RECORD**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0020594**
PERMIT DESCRIPTION: **AST OPERATING PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0020595**

PERMIT DESCRIPTION: **AST OPERATING PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0020598**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0020596**
PERMIT DESCRIPTION: **APSA 10,001-100,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0037562**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **5/31/18**
PERMIT #: **PT0020597**
PERMIT DESCRIPTION: **SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/16**
PERMIT #: **PT0013247**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 11-30 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/16**
PERMIT #: **PT0020596**
PERMIT DESCRIPTION: **APSA 10,001-100,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/16**
PERMIT #: **PT0020598**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0020597**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0020598**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0020596**
PERMIT DESCRIPTION: **APSA 10,001-100,000 GAL FAC CAPACITY**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**
PERMIT #: **PT0013247**
PERMIT DESCRIPTION: **HAZMAT HANDLER- 51-99 EMPLOYEES**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **03/31/14**

PERMIT #: **PT0020594**
PERMIT DESCRIPTION: **AST OPERATING PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/10**
PERMIT #: **PT0020595**
PERMIT DESCRIPTION: **AST OPERATING PERMIT**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/10**
PERMIT #: **PT0013248**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/09**
PERMIT #: **PT0013249**
PERMIT DESCRIPTION: **REGULAR UST ANNUAL INSPECTION (PER TANK)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/09**
PERMIT #: **PT0013248**
PERMIT DESCRIPTION: **UST OWNERSHIP/OPERATING PERMIT (PER UST)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/09**
PERMIT #: **PT0013249**
PERMIT DESCRIPTION: **UST OWNERSHIP/OPERATING PERMIT (PER UST)**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **03/31/09**

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San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 44

Distance from Property: 0.229 mi. (1,209 ft.) ENE
Elevation: 955 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0005935**
NAME: **SAXON BROS EQUIPMENT**
ADDRESS: **1128 E STATE ST**
ONTARIO , CA 91761
OWNER: **SAXON, JOHN & DON**

PERMIT DETAILS

PERMIT #: **PT0003130**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **12/31/08**

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MAP ID# 45

Distance from Property: 0.243 mi. (1,283 ft.) W
Elevation: 961 ft. (Higher than TP)

FACILITY INFORMATION

ID#: **FA0015185**
NAME: **SUMMERS BROTHERS INC.**
ADDRESS: **720 E SUNKIST ST STE 103**
ONTARIO , CA 91761
OWNER: **JOSE PONTIFES**

PERMIT DETAILS

PERMIT #: **PT0026466**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0026467**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/20**
PERMIT #: **PT0026466**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0026467**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/19**
PERMIT #: **PT0026466**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0026467**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/18**
PERMIT #: **PT0026466**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0026467**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/17**
PERMIT #: **PT0026466**
PERMIT DESCRIPTION: **HAZARDOUS MATERIALS 1-3 CHEMICALS**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/15**
PERMIT #: **PT0026467**

PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SM QTY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/15**
PERMIT #: **PT0026467**
PERMIT DESCRIPTION: **CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/14**
PERMIT #: **PT0026466**
PERMIT DESCRIPTION: **HAZMAT HANDLER GENERAL ACT.(NB)**
STATUS: **ACTIVE**
PERMIT EXPIRATION: **12/31/14**

Back to Report Summary

San Bernardino County Hazardous Site Listing (SBFD)

MAP ID# 46

Distance from Property: 0.244 mi. (1,288 ft.) W
Elevation: 950 ft. (Lower than TP)

FACILITY INFORMATION

ID#: **FA0003932**
NAME: **BLACK HILLS ONTARIO LLC**
ADDRESS: **705 E CALIFORNIA ST**
ONTARIO , CA 91761
OWNER: **BLACK HILLS CORPORATION**

PERMIT DETAILS

PERMIT #: **PT0003295**
PERMIT DESCRIPTION: **SPECIAL GENERATOR**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/10**
PERMIT #: **PT0003296**
PERMIT DESCRIPTION: **HAZMAT HANDLER 0-10 EMPLOYEES**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/10**
PERMIT #: **PT0003294**
PERMIT DESCRIPTION: **EPCRA FACILITY**
STATUS: **INACTIVE**
PERMIT EXPIRATION: **5/31/04**

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Superfund Enterprise Management System (SEMS)

MAP ID# 47

Distance from Property: 0.261 mi. (1,378 ft.) NE
Elevation: 970 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAN000903310**
SITE ID#: **0903310**
NAME: **CERTIFIED TOWING ABANDONED DRUMS**
ADDRESS: **1135 E. STATE STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FEDERAL FACILITY: **NOT A FEDERAL FACILITY - NOT A FEDERAL FACILITY**
SUPERFUND ALTERNATIVE AGREEMENT IN PLACE?: **NO**
NPL: **NOT ON THE NPL**
NON NPL STATUS: **REMOVAL ONLY SITE (NO SITE ASSESSMENT WORK NEEDED)**
Below information was gathered from the prior CERCLIS update completed in 10/2013 update:
NON-NPL STATUS DATE:
PHYSICAL CLASSIFICATION OF SITE / INCIDENT:

SUPERFUND SITE INFORMATION: **CLICK HERE**
SITE DESCRIPTION **- NO SITE DESCRIPTION INFORMATION AVAILABLE -**
SITE HISTORY **- NO SITE HISTORY INFORMATION AVAILABLE -**
ACTIONS **- NO ACTION INFORMATION AVAILABLE -**
CONTAMINANTS **- NO CONTAMINATION INFORMATION AVAILABLE -**
LISTING OF PUBLISHED INSTITUTIONAL CONTROL SITE REPORT **- NOT AN INSTITUTIONAL CONTROL SITE -**

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **SLT8R0303915**
URL LINK: CLICK HERE
BUSINESS NAME: **NORTHROP**
ADDRESS: **ONTARIO INTERNATIONAL AIRPORT**
ONTARIO, CA
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **CLEANUP PROGRAM SITE**
CASE NUMBER: **SLT8R030**
STATUS: **COMPLETED - CASE CLOSED 10/23/1992**
POTENTIAL CONTAMINATION:
NOT REPORTED
POTENTIAL MEDIA AFFECTED:
NOT REPORTED
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
THIS SITE WAS CLOSED AND ANOTHER REOPENED UNDER ONTARIO INTERNATIONAL AIRPORT AS A JOINT INVESTIGATION WITH CANG; NORTHROP; DOUGLASS AIRCRAFT; AEROJET GENERAL; AND LOCKHEED AIRCRAFT.

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/02/1965**	**LEAK REPORTED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**10/23/1992**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**
EMAIL: **KAMRON.SAREMI@WATERBOARDS.CA.GOV**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**

EMAIL: **KSAREMI@WATERBOARDS.CA.GOV**

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **SLT8R0313916**
URL LINK: CLICK HERE
BUSINESS NAME: **DOUGLAS AIRCRAFT CO**
ADDRESS: **ONTARIO INTERNATIONAL AIRPORT**
ONTARIO, CA
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **CLEANUP PROGRAM SITE**
CASE NUMBER: **SLT8R031**
STATUS: **COMPLETED - CASE CLOSED 10/23/1992**
POTENTIAL CONTAMINATION:
NOT REPORTED
POTENTIAL MEDIA AFFECTED:
NOT REPORTED
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
THIS SITE WAS CLOSED AND ANOTHER REOPENED UNDER ONTARIO INTERNATIONAL AIRPORT AS A JOINT INVESTIGATION WITH CANG; NORTHROP; DOUGLASS AIRCRAFT; AEROJET GENERAL; AND LOCKHEED AIRCRAFT.

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/02/1965**	**LEAK REPORTED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**10/23/1992**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**
EMAIL: **KAMRON.SAREMI@WATERBOARDS.CA.GOV**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**

EMAIL: **KSAREMI@WATERBOARDS.CA.GOV**

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **SLT8R0493933**
URL LINK: CLICK HERE
BUSINESS NAME: **CALIFORNIA AIR NATIONAL GUARD**
ADDRESS: **ONTARIO INTERNATIONAL AIRPORT**
ONTARIO, CA
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **CLEANUP PROGRAM SITE**
CASE NUMBER: **SLT8R049**
STATUS: **COMPLETED - CASE CLOSED 10/23/1992**
POTENTIAL CONTAMINATION:
NOT REPORTED
POTENTIAL MEDIA AFFECTED:
NOT REPORTED
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
THIS SITE WAS CLOSED AND ANOTHER REOPENED UNDER ONTARIO INTERNATIONAL AIRPORT AS A JOINT INVESTIGATION WITH CANG; NORTHROP; DOUGLASS AIRCRAFT; AEROJET GENERAL; AND LOCKHEED AIRCRAFT.

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/02/1965**	**LEAK REPORTED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**10/23/1992**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**
EMAIL: **KAMRON.SAREMI@WATERBOARDS.CA.GOV**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**

EMAIL: **KSAREMI@WATERBOARDS.CA.GOV**

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MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **SLT8R0503934**
URL LINK: CLICK HERE
BUSINESS NAME: **AEROJET GENERAL CORPORATION**
ADDRESS: **ONTARIO INTERNATIONAL AIRPORT**
ONTARIO, CA
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **CLEANUP PROGRAM SITE**
CASE NUMBER: **SLT8R050**
STATUS: **COMPLETED - CASE CLOSED 2/1/2000**
POTENTIAL CONTAMINATION:
TETRACHLOROETHYLENE (PCE), TRICHLOROETHYLENE (TCE)
POTENTIAL MEDIA AFFECTED:
UNDER INVESTIGATION
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
RESPONSE	**04/19/1991**	**SITE INVESTIGATION WORKPLAN**
RESPONSE	**01/30/1991**	**SITE INVESTIGATION**
ENFORCEMENT	**10/16/1990**	**STAFF LETTER**
OTHER	**10/16/1990**	**LEAK DISCOVERY**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**02/01/2000**
OPEN - CASE BEGIN DATE	**02/01/2000**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**
EMAIL: **KAMRON.SAREMI@WATERBOARDS.CA.GOV**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**

CONTACT NAME: **KAMRON SAREMI**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824303**
EMAIL: **KSAREMI@WATERBOARDS.CA.GOV**

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MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607181149**

URL LINK: CLICK HERE

BUSINESS NAME: **AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT**

ADDRESS: **2500 E. AIRPORT DRIVE**
ONTARIO, CA 91761

COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**

CASE NUMBER: **T0607181149**

STATUS: **COMPLETED - CASE CLOSED 10/11/2016**

POTENTIAL CONTAMINATION:

AVIATION

POTENTIAL MEDIA AFFECTED:

SOIL

DISADVANTAGED COMMUNITY:

NO

SEVERELY DISADVANTAGED COMMUNITY:

YES

SITE HISTORY:

,

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
REMEDIATION	**01/01/50**	**EXCAVATION**
RESPONSE	**11/03/2016**	**OTHER WORKPLAN - REGULATOR RESPONDED**
ENFORCEMENT	**10/11/2016**	**CLOSURE/NO FURTHER ACTION LETTER**
RESPONSE	**08/30/2016**	**OTHER REPORT / DOCUMENT - REGULATOR RESPONDED**
RESPONSE	**08/02/2016**	**REQUEST FOR CLOSURE - REGULATOR RESPONDED**
RESPONSE	**07/28/2016**	**OTHER REPORT / DOCUMENT**
RESPONSE	**07/20/2016**	**REQUEST FOR CLOSURE - REGULATOR RESPONDED**
RESPONSE	**06/20/2016**	**REQUEST FOR CLOSURE - REGULATOR RESPONDED**
ENFORCEMENT	**03/16/2016**	**TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER**
ENFORCEMENT	**02/05/2015**	**EMAIL CORRESPONDENCE**
RESPONSE	**09/28/2014**	**RESPOND TO PETITION - REGULATOR RESPONDED**
RESPONSE	**08/24/2014**	**OTHER WORKPLAN - REGULATOR RESPONDED**
RESPONSE	**08/24/2014**	**REQUEST FOR CLOSURE - REGULATOR RESPONDED**
RESPONSE	**08/20/2014**	**PRELIMINARY SITE ASSESSMENT WORKPLAN - ADDENDUM - REGULATOR RESPONDED**
RESPONSE	**04/20/2014**	**SITE INVESTIGATION WORKPLAN - REGULATOR RESPONDED**
ENFORCEMENT	**10/13/2013**	**TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER**
ENFORCEMENT	**12/17/2012**	**TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER**
ENFORCEMENT	**05/09/2012**	**FILE REVIEW**

TYPE OF ACTION:	DATE:	ACTION:
ENFORCEMENT	**03/22/2011**	**TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER**
REMEDIATION	**06/19/2010**	**EXCAVATION**
ENFORCEMENT	**04/09/2010**	**REFERRAL TO REGIONAL BOARD**
ENFORCEMENT	**01/12/2010**	**STAFF LETTER**
OTHER	**06/19/2006**	**LEAK DISCOVERY**
OTHER	**06/19/2006**	**LEAK REPORTED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**10/11/2016**
OPEN - ELIGIBLE FOR CLOSURE	**08/01/2016**
OPEN - ASSESSMENT & INTERIM REMEDIAL ACTION	**06/19/2006**
OPEN - CASE BEGIN DATE	**06/19/2006**
OPEN - SITE ASSESSMENT	**06/19/2006**

CONTACT DETAILS

ORGANIZATION: **SAN BERNARDINO COUNTY**
ADDRESS: **620 SOUTH E STREET**
CITY: **SAN BERNARDINO**
CONTACT NAME: **JACKSON CRUTSINGER**
CONTACT TYPE: **LOCAL AGENCY CASEWORKER**
CONTACT PHONE: **NOT REPORTED**
EMAIL: **JCRUTSINGER@SBCFIRE.ORG**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **MIGUEL OVIEDO**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517823238**
EMAIL: **MIGUEL.OVIEDO@WATERBOARDS.CA.GOV**

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Historical Cortese List (HISTCORTESE)

MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083600231TCOR**
ID#: **083600231T**
NAME: **LOCKHEED AIRCRAFT SERVICE**
ADDRESS: **2411 ONTARIO AIRPORT**
ONTARIO, CA 91764

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Leaking Underground Storage Tanks (LUST)

MAP ID# 48

Distance from Property: 0.311 mi. (1,642 ft.) E
Elevation: 921 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607181149**
URL LINK: CLICK HERE
BUSINESS NAME: **AIRCRAFT SERVICE INTERNATIONAL GROUP (ASIG), ONT**
ADDRESS: **2500 E. AIRPORT DRIVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **T0607181149**
STATUS: **COMPLETED - CASE CLOSED 10/11/2016**
POTENTIAL CONTAMINATION:
AVIATION
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
YES
SITE HISTORY:
,

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

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CALSITES Database (CALSITES)

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

ID #: **36200001**

NAME: **SUNKIST GROWERS**

ADDRESS: **616 EAST SUNKIST STREET**
ONTARIO, CA

STATUS (DATE): **PROPERTY/SITE REFERRED TO ANOTHER AGENCY (08/22/1995)**

STANDARD INDUSTRIAL CLASSIFICATION BELIEVED TO BE CAUSE OF (POTENTIAL) CONTAMINATION:
MANU - FOOD & KINDRED PRODUCTS

ACCESS TO SITE: **NOT REPORTED**

GROUNDWATER CONTAMINATION: **NOT REPORTED**

COMMENTS

FACILITY IDENTIFIED EPA FIT PRELIMINARY ASSESSMENT EPA COMPLETED PRELIMINARY ASSESSMENT AND RECOMMEND NO FURTHER ACTION; STATE RECOMMENDATION IS SITE SCREENING. RECOMMEND REFERRAL TO SAN BERNARDINO COUNTY. NO FURTHER ACTION BY DHS. HAZARD RANKING SYSTEM I CALULATIONS SHOW A TOTAL SCORE OF 5.77. MINIMUM HAZARD THRESHHOLD ANALYSIS INDICATED REFERRAL TO COUNTY ACCEPTABLE. DATABASE VERIFICATION PROGRAM CONFIRMED THE NFA STATUS FOR DTSC. NFA FOR DTSC.

Back to Report Summary

GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100463**
URL LINK: CLICK HERE
BUSINESS NAME: **SUNKIST**
ADDRESS: **616 E SUNKIST ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603111T**
STATUS: **COMPLETED - CASE CLOSED 5/26/2000**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
ENFORCEMENT	**05/26/2000**	**CLOSURE/NO FURTHER ACTION LETTER**
OTHER	**12/22/1997**	**LEAK REPORTED**
OTHER	**11/17/1997**	**LEAK DISCOVERY**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**05/26/2000**
OPEN - CASE BEGIN DATE	**11/17/1997**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **CARL BERNHARDT**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824495**
EMAIL: **CARL.BERNHARDT@WATERBOARDS.CA.GOV**

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MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

SITE INFORMATION

ID #: **36200001** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **SUNKIST GROWERS**
ADDRESS: **616 EAST SUNKIST STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES): **11.11**
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: *** MMONROY**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **HISTORICAL**
SITE TYPE DESCRIPTION
*** HISTORICAL**
DTSC's CURRENT INVOLVEMENT AT SITE (as of 2009-07-07 00:00:00)
REFER: 1248 LOCAL AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

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Historical Cortese List (HISTCORTESE)

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083603111TCOR**
ID#: **083603111T**
NAME: **SUNKIST**
ADDRESS: **616**
ONTARIO, CA 91761

Back to Report Summary

Leaking Underground Storage Tanks (LUST)

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100463**
URL LINK: CLICK HERE
BUSINESS NAME: **SUNKIST**
ADDRESS: **616 E SUNKIST ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603111T**
STATUS: **COMPLETED - CASE CLOSED 05/26/2000**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

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Referred to Another Local or State Agency (REF)

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **36200001**
ENVIROSTOR ID: **36200001**
FACILITY NAME: **SUNKIST GROWERS**
ADDRESS: **616 EAST SUNKIST STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

PROGRAM TYPE: **HISTORICAL**
STATUS: **REFER: 1248 LOCAL AGENCY**
STATUS DATE: **7/7/2009**
CALENVIROSCREEN SCORE: **96-100%**
SITE CODE: **NOT REPORTED**

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Superfund Enterprise Management System Archived Site Inventory (SEMSARCH)

MAP ID# 49

Distance from Property: 0.345 mi. (1,822 ft.) W
Elevation: 960 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAD008514051**
SITE ID#: **0901122**
NAME: **SUNKIST GROWERS**
ADDRESS: **616 E SUNKIST ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FEDERAL FACILITY: **NOT A FEDERAL FACILITY**
SUPERFUND ALTERNATIVE AGREEMENT IN PLACE?: **NO**
NPL: **NOT ON THE NPL**
NON NPL STATUS: **NFRAP-SITE DOES NOT QUALIFY FOR THE NPL BASED ON EXISTING INFORMATION**
SUPERFUND SITE INFORMATION: **CLICK HERE**

Below information was gathered from the prior NFRAP update completed in 10/2013 update:

ACTION	START DATE	COMPLETION DATE	RESPONSIBILITY
DS - DISCOVERY	**NOT REPORTED**	**12/1/1979**	**EPA FUND**
PA - PRELIMINARY ASSESSMENT	**NOT REPORTED**	**7/1/1980**	**EPA FUND**
PA - PRELIMINARY ASSESSMENT	**NOT REPORTED**	**8/31/1989**	**EPA FUND**
VS - ARCHIVE SITE	**NOT REPORTED**	**8/31/1989**	**EPA IN-HOUSE**

ACTION DESCRIPTIONS

DS - (DISCOVERY) - THE PROCESS BY WHICH A POTENTIAL HAZARDOUS WASTE SITE IS BROUGHT TO THE ATTENTION OF THE EPA. THE PROCESS CAN OCCUR THROUGH THE USE OF SEVERAL MECHANISMS SUCH AS A PHONE CALL OR REFERRAL BY ANOTHER GOVERNMENT AGENCY.

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

VS - (ARCHIVE SITE) - THE DECISION IS MADE THAT NO FURTHER ACTIVITY IS PLANNED AT THE SITE.

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MAP ID# 50

Distance from Property: 0.348 mi. (1,837 ft.) NW
Elevation: 995 ft. (Higher than TP)

SITE INFORMATION

ID #: **36000010** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **CRUZ PROPERTY**
ADDRESS: **757 E. EMPORIA STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: **REFERRED - NOT ASSIGNED**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **EVALUATION**
SITE TYPE DESCRIPTION
EVALUATION
DTSC's CURRENT INVOLVEMENT AT SITE (as of 2001-03-16 00:00:00)
REFER: 1248 LOCAL AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

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Referred to Another Local or State Agency (REF)

MAP ID# 50

Distance from Property: 0.348 mi. (1,837 ft.) NW
Elevation: 995 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **36000010**
ENVIROSTOR ID: **36000010**
FACILITY NAME: **CRUZ PROPERTY**
ADDRESS: **757 E. EMPORIA STREET**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

PROGRAM TYPE: **EVALUATION**
STATUS: **REFER: 1248 LOCAL AGENCY**
STATUS DATE: **3/16/2001**
CALENVIROSCREEN SCORE: **96-100%**
SITE CODE: **NOT REPORTED**

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MAP ID# 51

Distance from Property: 0.375 mi. (1,980 ft.) WSW
Elevation: 944 ft. (Lower than TP)

FACILITY INFORMATION

ID #: **36490109**

NAME: **SO CAL GAS/ONTARIO MGP**

ADDRESS: **CNR CAMPUS, MARTLAND, MONTEREY & MISSION**
ONTARIO, CA

STATUS (DATE): **VOLUNTARY CLEANUP PROGRAM (08/20/1993)**

STANDARD INDUSTRIAL CLASSIFICATION BELIEVED TO BE CAUSE OF (POTENTIAL) CONTAMINATION:
ELECTRIC, GAS & SANITARY SERVICES

ACCESS TO SITE: **UNCONTROLLED**

GROUNDWATER CONTAMINATION: **NOT REPORTED**

COMMENTS

FURTHER INVESTIGATION IS ANTICIPATED THIS (96/97) FISCAL YR. DTSC AND THE GAS COMPANY SIGNED A CONSENT ORDER PROVIDING FOR DTS OVERSIGHT OF A SUPPLEMENTAL INVESTIGATION AND REMEDIATION OF THE SITE. REMOVAL ACTION WORKPLAN. REMOVAL OF 4700 CUBIC YARDS OF PAH CONTAMINATED SOIL. SOIL WILL BE TRANSPORTED TO A LICENSED TREATMENT AND DISPOSAL FACILITY. CLEAN SOIL WILL BE USED TO BACKFILL AND GRADE THE SITE. REMOVAL ACTION AND CERT: REMOVAL OF 17,000 CUBIC YARDS OF PAH CONTAMINATED SOIL. SOIL WAS TRANSPORTED TO A LICENSED TREATMENT AND DISPOSAL FACILITY. CLEAN SOIL WILL BE USED TO BACKFILL AND GRADE THE SITE. TRANSITION TO CHAPTER 6.5 - AMENDMENT TO THE EXISTING VOLUNTARY CLEANUP AGREEMENT, DOCKET NO. 96/97-020 SIGNED BY THE RP. A REMOVAL ACTION WORK PLAN FOR OPERABLE UNIT 2 WAS APPROVED BY DTSC. REMOVAL ACTION FIELD WORK OUZ COMPLETED. DTSC INDEPENDENTLY SAMPLED PROPERTY OF CONCERNED OCCUPANT AND OWNER AT 628 MAITLAND STREET. THE PROPERTY IS LOCATED ADJACENT TO 624 MAITLAND STREET FROM WHICH 50 CY OF PAH CONTAMINATED WAS REMOVED. PAH-CONTAMINATED SOIL WAS REMOVED FROM 3 ADJACENT RESIDENTIAL PROPERTIES LOCATED AT 608, 614, & 624 MAITLAND STREET. THESE PROPERTIES ARE LOCATED ACROSS THE STREET FROM THE MAIN SITE. CONTAMINATION HAS BEEN REMEDIATED TO BACKGROUND LEVELS.

BACKGROUND

FORMER MGP OPERATED FROM 1909 TO 1917. THE SITE IS NOW UTILIZED AS AN UNMANNED NATURAL GAS METER AND REGULATOR STATION. THE PEA REPORT SUBMITTED IN JUNE 1993 REVEALED SITE SOIL IMPACTED WITH A BLACK TARRED MATERIAL, PAH'S AND TPH. THE PEA RECOMMENDS FENCING THE SITE AND REMOVAL OF SOME SOIL. FURTHER CHARACTERIZATION OF THE LATERAL AND VERTICAL EXTENT OF CONTAMINATION AND A BASELINE HRA IS REQUIRED.

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MAP ID# 51

Distance from Property: 0.375 mi. (1,980 ft.) WSW
Elevation: 944 ft. (Lower than TP)

SITE INFORMATION

ID #: **36490109** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **SO CAL GAS/ONTARIO MGP**
ADDRESS: **CNR CAMPUS, MARTLAND, MONTEREY & MISSION**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **SMBRP**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: *** GREG HOLMES**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **VOLUNTARY CLEANUP**
SITE TYPE DESCRIPTION
VOLUNTARY CLEANUP
DTSC's CURRENT INVOLVEMENT AT SITE (as of 1993-08-20 00:00:00)
CERTIFIED - IDENTIFIES COMPLETED SITES WITH PREVIOUSLY CONFIRMED RELEASE THAT ARE SUBSEQUENTLY CERTIFIED BY DTSC AS HAVING BEEN REMEDIATED SATISFACTORILY UNDER DTSC OVERSIGHT
PAST USE/S THAT CAUSED THE CONTAMINATION
MANUFACTURED GAS PLANT
CONFIRMED CONTAMINANTS OF CONCERN
30019 - POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)
30024 - TPH-DIESEL
30025 - TPH-GAS
3002502 - TPH-MOTOR OIL

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Historical Cortese List (HISTCORTESE)

MAP ID# 51

Distance from Property: 0.375 mi. (1,980 ft.) WSW
Elevation: 944 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **36490109COR**

ID#: **36490109**

NAME: **SO CAL GAS/ONTARIO MGP**

ADDRESS: **CNR CAMPUS MARTLAND MONTE**
ONTARIO, CA 91761

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Voluntary Cleanup Program (VCP)

MAP ID# 51

Distance from Property: 0.375 mi. (1,980 ft.) WSW
Elevation: 944 ft. (Lower than TP)

SITE INFORMATION

ID #: **36490109** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
URL LINK: CLICK HERE
NAME: **SO CAL GAS/ONTARIO MGP**
ADDRESS: **CNR CAMPUS, MARTLAND, MONTEREY & MISSION**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **SMBRP**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: *** GREG HOLMES**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **VOLUNTARY CLEANUP**
SITE TYPE DESCRIPTION
VOLUNTARY CLEANUP
DTSC's CURRENT INVOLVEMENT AT SITE (as of 1993-08-20 00:00:00)
CERTIFIED - IDENTIFIES COMPLETED SITES WITH PREVIOUSLY CONFIRMED RELEASE THAT ARE SUBSEQUENTLY CERTIFIED BY DTSC AS HAVING BEEN REMEDIATED SATISFACTORILY UNDER DTSC OVERSIGHT
PAST USE/S THAT CAUSED THE CONTAMINATION
MANUFACTURED GAS PLANT
CONFIRMED CONTAMINANTS OF CONCERN
30019 - POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)
30024 - TPH-DIESEL
30025 - TPH-GAS
3002502 - TPH-MOTOR OIL

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 52

Distance from Property: 0.392 mi. (2,070 ft.) NE
Elevation: 970 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100628**
URL LINK: CLICK HERE
BUSINESS NAME: **HERTZ RENT A CAR**
ADDRESS: **2060 E EMPORIA**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603632T**
STATUS: **COMPLETED - CASE CLOSED 6/6/2001**
POTENTIAL CONTAMINATION:
GASOLINE
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/01/50**	**LEAK STOPPED**
OTHER	**01/20/2000**	**LEAK REPORTED**
OTHER	**08/18/1999**	**LEAK DISCOVERY**
OTHER	**08/18/1999**	**LEAK STOPPED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**06/06/2001**
OPEN - CASE BEGIN DATE	**08/18/1999**
OPEN - SITE ASSESSMENT	**08/18/1999**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **ROSE SCOTT**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9513206375**
EMAIL: **ROSE.SCOTT@WATERBOARDS.CA.GOV**

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Historical Cortese List (HISTCORTESE)

MAP ID# 52

Distance from Property: 0.392 mi. (2,070 ft.) NE
Elevation: 970 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083603632TCOR**
ID#: **083603632T**
NAME: **HERTZ RENT A CAR**
ADDRESS: **2060**
ONTARIO, CA 91761

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Leaking Underground Storage Tanks (LUST)

MAP ID# 52

Distance from Property: 0.392 mi. (2,070 ft.) NE
Elevation: 970 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100628**
URL LINK: CLICK HERE
BUSINESS NAME: **HERTZ RENT A CAR**
ADDRESS: **2060 E EMPORIA**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603632T**
STATUS: **COMPLETED - CASE CLOSED 06/06/2001**
POTENTIAL CONTAMINATION:
GASOLINE
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

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Listing of Certified Dropoff, Collection, and Community Service Programs (DROP)

MAP ID# 53

Distance from Property: 0.402 mi. (2,123 ft.) WNW
Elevation: 980 ft. (Higher than TP)

SITE INFORMATION

ID #: **CP0091**
NAME: **MAIN STREET FIBERS**
ADDRESS: **608 E MAIN ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761**
COUNTY: **SAN BERNADINO**

SITE DETAILS

OPERATION BEGIN DATE: **01/01/90**
OPERATION END DATE: **05/31/95**
PROGRAM PHONE: **(714) 986-6310**
ORGANIZATION NAME: **NOT REPORTED**
ADDRESS: **STREET NOT REPORTED**
CITY NOT REPORTED
GLASS: **ACCEPTED**
ALUMINIUM: **ACCEPTED**
PLASTIC: **ACCEPTED**
BIMETAL: **NOT ACCEPTED**

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Listing of Certified Processors (PROC)

MAP ID# 53

Distance from Property: 0.402 mi. (2,123 ft.) WNW
Elevation: 980 ft. (Higher than TP)

SITE INFORMATION

ID #: **PR0011**
NAME: **MAIN STREET FIBERS INC**
ADDRESS: **608 E MAIN ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761**
COUNTY: **SAN BERNARDINO**

SITE DETAILS

OPERATION BEGIN DATE: **8/18/1987**
OPERATION END DATE: **NOT REPORTED**
PROGRAM PHONE: **(909) 986-6310**
ORGANIZATION NAME: **MAIN STREET FIBERS INC**
ADDRESS: **P O BOX 51491**
ONTARIO CA 91761
GLASS: **NOT ACCEPTED**
ALUMINIUM: **NOT ACCEPTED**
PLASTIC: **NOT ACCEPTED**
BIMETAL: **NOT ACCEPTED**

Back to Report Summary

Recycling Centers (SWRCY)

MAP ID# 53

Distance from Property: 0.402 mi. (2,123 ft.) WNW
Elevation: 980 ft. (Higher than TP)

SITE INFORMATION

ID #: **PR0011**
NAME: **MAIN STREET FIBERS INC**
ADDRESS: **608 E MAIN ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761**
COUNTY: **SAN BERNARDINO**

SITE DETAILS

OPERATION BEGIN DATE: **08/18/87**
OPERATION END DATE: **NOT REPORTED**
PROGRAM PHONE: **(909) 986-6310**
ORGANIZATION NAME: **MAIN STREET FIBERS INC**
ADDRESS: **P O BOX 51491**
ONTARIO CA 91761
GLASS: **ACCEPTED**
ALUMINIUM: **ACCEPTED**
PLASTIC: **ACCEPTED**
BIMETAL: **ACCEPTED**

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Recycling Centers (SWRCY)

MAP ID# 53

Distance from Property: 0.402 mi. (2,123 ft.) WNW
Elevation: 980 ft. (Higher than TP)

SITE INFORMATION

ID #: **RC0070**
NAME: **MAIN STREET FIBERS INC**
ADDRESS: **608 E MAIN ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761**
COUNTY: **SAN BERNARDINO**

SITE DETAILS

OPERATION BEGIN DATE: **8/18/1987**
OPERATION END DATE: **NOT REPORTED**
PROGRAM PHONE: **(909) 986-6310**
ORGANIZATION NAME: **MAIN STREET FIBERS INC**
ADDRESS: **P O BOX 51491**
ONTARIO CA 91761
GLASS: **ACCEPTED**
ALUMINIUM: **ACCEPTED**
PLASTIC: **ACCEPTED**
BIMETAL: **ACCEPTED**

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 54

Distance from Property: 0.428 mi. (2,260 ft.) WNW
Elevation: 980 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100129**
URL LINK: CLICK HERE
BUSINESS NAME: **UNOCAL BULK PLANT #0551**
ADDRESS: **601 E MAIN ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083601143T**
STATUS: **COMPLETED - CASE CLOSED 4/23/1999**
POTENTIAL CONTAMINATION:
GASOLINE
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/01/50**	**LEAK STOPPED**
OTHER	**02/01/1989**	**LEAK REPORTED**
OTHER	**06/16/1988**	**LEAK STOPPED**
OTHER	**04/14/1988**	**LEAK DISCOVERY**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**04/23/1999**
OPEN - SITE ASSESSMENT	**02/06/1989**
OPEN - CASE BEGIN DATE	**04/14/1988**

CONTACT DETAILS

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **NANCY OLSON-MARTIN**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **NOT REPORTED**
EMAIL: **NOLSON-MARTIN@WATERBOARDS.CA.GOV**

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Leaking Underground Storage Tanks (LUST)

MAP ID# 54

Distance from Property: 0.428 mi. (2,260 ft.) WNW
Elevation: 980 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100129**
URL LINK: CLICK HERE
BUSINESS NAME: **UNOCAL BULK PLANT #0551**
ADDRESS: **601 E MAIN ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083601143T**
STATUS: **COMPLETED - CASE CLOSED 04/23/1999**
POTENTIAL CONTAMINATION:
GASOLINE
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

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Recycling Centers (SWRCY)

MAP ID# 54

Distance from Property: 0.427 mi. (2,255 ft.) WNW
Elevation: 980 ft. (Higher than TP)

SITE INFORMATION

ID #: **RC11004**
NAME: **MAIN STREET FIBERS INC**
ADDRESS: **653 E MAIN ST**
CITY: **ONTARIO**
STATE: **CA**
ZIP: **91761**
COUNTY: **SAN BERNARDINO**

SITE DETAILS

OPERATION BEGIN DATE: **2/1/2002**
OPERATION END DATE: **NOT REPORTED**
PROGRAM PHONE: **(909) 986-6310**
ORGANIZATION NAME: **MAIN STREET FIBERS INC**
ADDRESS: **P O BOX 51491**
ONTARIO CA 91761
GLASS: **ACCEPTED**
ALUMINIUM: **ACCEPTED**
PLASTIC: **ACCEPTED**
BIMETAL: **ACCEPTED**

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MAP ID# 55

Distance from Property: 0.446 mi. (2,355 ft.) SSW
Elevation: 922 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100088**
URL LINK: CLICK HERE
BUSINESS NAME: **GONZALES AND SONS**
ADDRESS: **844 WOODLAWN ST**
ONTARIO, CA 92716
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083600809T**
STATUS: **COMPLETED - CASE CLOSED 3/24/1988**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
REMEDIATION	**01/01/50**	**EXCAVATION**
ENFORCEMENT	**03/31/1988**	**FILE REVIEW**
OTHER	**03/24/1988**	**LEAK REPORTED**
REMEDIATION	**03/24/1988**	**EXCAVATION**
OTHER	**02/01/1988**	**LEAK DISCOVERY**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**03/24/1988**
OPEN - REMEDIATION	**03/23/1988**
OPEN - SITE ASSESSMENT	**03/23/1988**
OPEN - CASE BEGIN DATE	**02/01/1988**
OPEN - SITE ASSESSMENT	**02/01/1988**

CONTACT DETAILS

ORGANIZATION: **SAN BERNARDINO COUNTY**
ADDRESS: **620 S. E STREET**
CITY: **SAN BERNARDINO**
CONTACT NAME: **MARILYN KRAFT**
CONTACT TYPE: **LOCAL AGENCY CASEWORKER**

CONTACT PHONE: **NOT REPORTED**
EMAIL: **NOT REPORTED**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **VALERIE JAHN-BULL**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824903**
EMAIL: **VALERIE.JAHN-BULL@WATERBOARDS.CA.GOV**

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Historical Cortese List (HISTCORTESE)

MAP ID# 55

Distance from Property: 0.446 mi. (2,355 ft.) SSW
Elevation: 922 ft. (Lower than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083600809TCOR**
ID#: **083600809T**
NAME: **GONZALES AND SONS**
ADDRESS: **844**
ONTARIO, CA 92716

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Leaking Underground Storage Tanks (LUST)

MAP ID# 55

Distance from Property: 0.446 mi. (2,355 ft.) SSW
Elevation: 922 ft. (Lower than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100088**
URL LINK: CLICK HERE
BUSINESS NAME: **GONZALES AND SONS**
ADDRESS: **844 WOODLAWN ST**
ONTARIO, CA 92716
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083600809T**
STATUS: **COMPLETED - CASE CLOSED 03/24/1988**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

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MAP ID# 56

Distance from Property: 0.463 mi. (2,445 ft.) NE
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100616**
URL LINK: CLICK HERE
BUSINESS NAME: **BLACK GOLD**
ADDRESS: **1194 E HOLT BLVD**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603591T**
STATUS: **COMPLETED - CASE CLOSED 10/27/2000**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
OTHER	**01/01/50**	**LEAK STOPPED**
ENFORCEMENT	**10/27/2000**	**CLOSURE/NO FURTHER ACTION LETTER**
OTHER	**11/15/1999**	**LEAK REPORTED**
OTHER	**10/29/1999**	**LEAK DISCOVERY**
OTHER	**08/11/1997**	**LEAK STOPPED**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**10/27/2000**
OPEN - SITE ASSESSMENT	**10/29/1999**
OPEN - CASE BEGIN DATE	**08/11/1997**

CONTACT DETAILS

ORGANIZATION: **SAN BERNARDINO COUNTY**
ADDRESS: **620 SOUTH E STREET**
CITY: **SAN BERNARDINO**
CONTACT NAME: **JACKSON CRUTSINGER**
CONTACT TYPE: **LOCAL AGENCY CASEWORKER**
CONTACT PHONE: **NOT REPORTED**
EMAIL: **JCRUTSINGER@SBCFIRE.ORG**

GeoTracker Cleanup Sites (CLEANUPSITES)

ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**
CITY: **RIVERSIDE**
CONTACT NAME: **ROSE SCOTT**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9513206375**
EMAIL: **ROSE.SCOTT@WATERBOARDS.CA.GOV**

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Historical Cortese List (HISTCORTESE)

MAP ID# 56

Distance from Property: 0.464 mi. (2,450 ft.) NE
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083603591TCOR**
ID#: **083603591T**
NAME: **BLACK GOLD**
ADDRESS: **1194**
ONTARIO, CA 91761

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Leaking Underground Storage Tanks (LUST)

MAP ID# 56

Distance from Property: 0.463 mi. (2,445 ft.) NE
Elevation: 976 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100616**
URL LINK: CLICK HERE
BUSINESS NAME: **BLACK GOLD**
ADDRESS: **1194 E HOLT BLVD**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603591T**
STATUS: **COMPLETED - CASE CLOSED 10/27/2000**
POTENTIAL CONTAMINATION:
DIESEL
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

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Historical Cortese List (HISTCORTESE)

MAP ID# 57

Distance from Property: 0.467 mi. (2,466 ft.) WNW
Elevation: 980 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083601143TCOR**
ID#: **083601143T**
NAME: **UNOCAL BULK PLANT #0551**
ADDRESS: **601**
ONTARIO, CA 91761

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GeoTracker Cleanup Sites (CLEANUPSITES)

MAP ID# 58

Distance from Property: 0.484 mi. (2,556 ft.) NW
Elevation: 999 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100456**
URL LINK: CLICK HERE
BUSINESS NAME: **POWER THRUST INC.**
ADDRESS: **124 N CAMPUS AVE**
ONTARIO, CA 91764
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603063T**
STATUS: **COMPLETED - CASE CLOSED 10/30/2001**
POTENTIAL CONTAMINATION:
GASOLINE
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
OTHER	**01/01/50**	**LEAK DISCOVERY**
OTHER	**01/01/50**	**LEAK REPORTED**
ENFORCEMENT	**10/30/2001**	**CLOSURE/NO FURTHER ACTION LETTER**
OTHER	**08/29/1997**	**LEAK REPORTED**
OTHER	**08/02/1997**	**LEAK DISCOVERY**

STATUS HISTORY

STATUS:	DATE:
COMPLETED - CASE CLOSED	**10/30/2001**
OPEN - CASE BEGIN DATE	**08/02/1997**
OPEN - SITE ASSESSMENT	**08/02/1997**

CONTACT DETAILS

ORGANIZATION: **SAN BERNARDINO COUNTY**
ADDRESS: **620 SOUTH E STREET**
CITY: **SAN BERNARDINO**
CONTACT NAME: **JACKSON CRUTSINGER**
CONTACT TYPE: **LOCAL AGENCY CASEWORKER**
CONTACT PHONE: **NOT REPORTED**
EMAIL: **JCRUTSINGER@SBCFIRE.ORG**
ORGANIZATION: **SANTA ANA RWQCB (REGION 8)**
ADDRESS: **3737 MAIN STREET, SUITE 500**

CITY: **RIVERSIDE**
CONTACT NAME: **VALERIE JAHN-BULL**
CONTACT TYPE: **REGIONAL BOARD CASEWORKER**
CONTACT PHONE: **9517824903**
EMAIL: **VALERIE.JAHN-BULL@WATERBOARDS.CA.GOV**

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Historical Cortese List (HISTCORTESE)

MAP ID# 58

Distance from Property: 0.484 mi. (2,556 ft.) NW
Elevation: 999 ft. (Higher than TP)

FACILITY INFORMATION

GEOSEARCH ID: **083603063TCOR**
ID#: **083603063T**
NAME: **POWER THRUST INC.**
ADDRESS: **124**
ONTARIO, CA 91764

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Leaking Underground Storage Tanks (LUST)

MAP ID# 58

Distance from Property: 0.484 mi. (2,556 ft.) NW
Elevation: 999 ft. (Higher than TP)

FACILITY INFORMATION

GLOBAL ID: **T0607100456**
URL LINK: CLICK HERE
BUSINESS NAME: **POWER THRUST INC.**
ADDRESS: **124 N CAMPUS AVE**
ONTARIO, CA 91764
COUNTY: **SAN BERNARDINO**

FACILITY DETAILS

CASE TYPE: **LUST CLEANUP SITE**
CASE NUMBER: **083603063T**
STATUS: **COMPLETED - CASE CLOSED 10/30/2001**
POTENTIAL CONTAMINATION:
GASOLINE
POTENTIAL MEDIA AFFECTED:
SOIL
DISADVANTAGED COMMUNITY:
NO
SEVERELY DISADVANTAGED COMMUNITY:
NO
SITE HISTORY:
NOT REPORTED

HISTORICAL FACILITY DETAILS

NO HISTORICAL DETAIL(S) INFORMATION REPORTED FOR THIS FACILITY

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MAP ID# 59

Distance from Property: 0.502 mi. (2,651 ft.) SSW
Elevation: 915 ft. (Lower than TP)

SITE INFORMATION

ID #: **36340065** ASSESSOR'S PARCEL #: **1049-421-01, 1049-421-02, 1049-431-06, 104942101, 104942102, 104943106**
FACILITY LINK: CLICK HERE
NAME: **OAKWOOD INTERIORS SITE**
ADDRESS: **1333 S BON VIEW AVE**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES): **9.8**
LEAD AGENCY: **SMBRP**
DTSC PROJECT MANAGER: **ANTHONY ROSAS**
DTSC SUPERVISOR: **MARYAM TASNIF-ABBASI**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **YES**
SITE TYPE: **VOLUNTARY CLEANUP**
SITE TYPE DESCRIPTION
VOLUNTARY CLEANUP
DTSC's CURRENT INVOLVEMENT AT SITE (as of 2008-12-15 00:00:00)
CERTIFIED O&M - LAND USE RESTRICTIONS ONLY -
PAST USE/S THAT CAUSED THE CONTAMINATION
METAL PLATING - CHROME
CONFIRMED CONTAMINANTS OF CONCERN
NONE SPECIFIED

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MAP ID# 60

Distance from Property: 0.502 mi. (2,651 ft.) E
Elevation: 916 ft. (Lower than TP)

FACILITY INFORMATION

Geosearch Id: **J09CA0531**
FUDS NUMBER: **J09CA0531**
PROPERTY NAME: **ONTARIO ARMY AIRFIELD**
ADDRESS: **SAN BERNARDINO COUNTY**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**

FACILITY DETAIL(S)

FUDS PROPERTY POINT DATA
FFID: **CA99799F686800**
PROPERTY ID: **NOT REPORTED**
PROJECT ID: **NOT REPORTED**
ENV SITE ID: **NOT REPORTED**
SITE ID: **NOT REPORTED**
MRA ID: **NOT REPORTED**
PROJECT NUMBER: **NOT REPORTED**
PROJECT NAME: **NOT REPORTED**
PROGRAM: **NOT REPORTED**
CATEGORY: **NOT REPORTED**
STATUS: **PROPERTIES WITH ALL PROJECTS AT SITE CLOSEOUT**
FED LAND TYPE: **NOT REPORTED**
FED LAND NAME: **NOT REPORTED**
FED LAND AGENCY: **NOT REPORTED**
SITE CLOSEOUT DATE: **NOT REPORTED**
REMEDY IN PLACE DATE: **NOT REPORTED**
RESPONSE COMPLETE DATE: **NOT REPORTED**
NPL STATUS CODE: **NOT LISTED**
CURRENT OWNER: **LOCAL GOVERNMENT**
ELIGIBILITY: **ELIGIBLE**
HAS PROJECTS: **YES**
FISCAL YEAR: **2018**
EPA REGION: **09**
CONGRESSIONAL DISTRICT: **35**
DISTRICT RESPONSIBLE FOR THE FUDS PROPERTY: **LOS ANGELES DISTRICT (SPL)**
IS THE PROPERTY HAS ANY CLEANUP UNDER THE MILITARY MUNITIONS RESPONSE PROGRAM (MMRP): **NOT REPORTED**
ACREAGE: **NOT REPORTED**
DESCRIPTION: **NOT REPORTED**
HISTORY: **NOT REPORTED**
EMS MAP LINK: CLICK HERE

FUDS PROPERTY POLYGON DATA
FFID: **CA99799F686800**
PROPERTY ID: **NOT REPORTED**

Formerly Used Defense Sites (FUDS)

PROJECT ID: **NOT REPORTED**
ENV SITE ID: **NOT REPORTED**
SITE ID: **NOT REPORTED**
MRA ID: **NOT REPORTED**
PROJECT NUMBER: **NOT REPORTED**
PROJECT NAME: **NOT REPORTED**
PROGRAM: **NOT REPORTED**
CATEGORY: **NOT REPORTED**
STATUS: **PROPERTIES WITH ALL PROJECTS AT SITE CLOSEOUT**
FED LAND TYPE: **NOT REPORTED**
FED LAND NAME: **NOT REPORTED**
FED LAND AGENCY: **NOT REPORTED**
SITE CLOSEOUT DATE: **NOT REPORTED**
REMEDY IN PLACE DATE: **NOT REPORTED**
RESPONSE COMPLETE DATE: **NOT REPORTED**
NPL STATUS CODE: **NOT LISTED**
CURRENT OWNER: **LOCAL GOVERNMENT**
ELIGIBILITY: **ELIGIBLE**
HAS PROJECTS: **YES**
FISCAL YEAR: **2018**
EPA REGION: **9**
CONGRESSIONAL DISTRICT: **35**
DISTRICT RESPONSIBLE FOR THE FUDS PROPERTY: **LOS ANGELES DISTRICT (SPL)**
IS THE PROPERTY HAS ANY CLEANUP UNDER THE MILITARY MUNITIONS RESPONSE PROGRAM (MMRP): **Y**
ACREAGE: **NOT REPORTED**
DESCRIPTION: **THE SITE COMPRISED OF 875.49 ACRES IN ONTARIO, CALIFORNIA. THE SITE ENCOMPASSES ALL OF THE PRESENT AIRPORT PROPERTY WEST OF ARCHIBALD AVENUE AND SECTIONS SOUTH OF MISSION BLVD. BETWEEN GROVE AND TURNER STREETS. THE CITY OF ONTARIO SUBSEQUENTLY EXPANDED THE AIRPORT TO THE EAST TO LENGTHEN THE RUNWAYS AND TAXIWAYS AND NAMED THE AIRPORT ONTARIO INTERNATIONAL AIRPORT. OVER THE YEARS, THE CITY OF ONTARIO LEASED PORTIONS OF THE AIRPORT TO NUMEROUS COMPANIES FOR COMMERCIAL AND INDUSTRIAL PURPOSES. AEROSPACE COMPANIES BUILT, TESTED, OVERHAULED, AND REFURBISHED AIRCRAFT WITHIN AND ADJACENT TO THE AIRPORT. IN 1985, THE CITY OF ONTARIO DEEDED TITLE OF THE AIRPORT PROPERTY TO THE CITY OF LOS ANGELES, DEPARTMENT OF AIRPORTS (LADA). FROM 1967 TO 1985, THE LADA OPERATED AND MAINTAINED THE AIRPORT FOR THE CITY OF ONTARIO UNDER AN AGREEMENT. AAF IMPROVEMENTS INCLUDED MAINTENANCE AND FUELING FACILITIES FOR AIRCRAFT AND MOTOR VEHICLES, TAXIWAYS AND HARDSTANDS, SUBSISTENCE, RECREATION, STORAGE AND OPERATIONS BUILDINGS, UTILITIES, AND AN AMMO DUMP.**
HISTORY: **THE SITE CONSISTED OF A TOTAL OF 875.49 ACRES; 375.11 ACRES FEE, 518.12 ACRES LEASE, AND 0.26 ACRES EASEMENT ACQUIRED BETWEEN 1942 AND 1944. A PORTION OF THE SITE (ONTARIO AIR NATIONAL GUARD) IS ADRESSED UNDER J09CA0522. CIVILIAN AIRPORT OPERATIONS AT THIS SITE BEGAN IN THE EARLY 1930S AND WAS LOCATED IN THE SOUTHWEST CORNER OF THE FIELD. THE AIRPORT WAS THEN EXPANDED BETWEEN 1940 AND 1942 BY THE CITY OF ONTARIO. THE AAF BEGAN OPERATION IN 1942, WHEN THE U.S. ARMY OBTAINED CONTROL OF ONTARIO MUNICIPAL AIRPORT AND EXPANDED IT BY DEVELOPMENT OF THE AGRICULTURAL LAND ADJACENT TO THE AIRPORT. THE U.S. ARMY UTILIZED THE SITE FOR TRAINING P-38 FIGHTER PILOTS. THE SITE WAS SURPLUSED ON 15 NOVEMBER 1945 AND THEN TRANSFERRED ON 29 OCTOBER 1946 TO THE WAR ASSETS ADMINISTRATION FOR CONTROL. IN 1949, THE U.S. TERMINATED ALLLEASES AND EASEMENTS AT THE SITE AND QUITCLAIMED THE FEE TITLE TOT HE CITY OF ONTARIO, WITH THE EXCEPTION OF 7.93 ACRES, WHICH WAS WITHDRAWN FROM SURPLUS ON 7 APRIL 1949 BY THE U.S. AIR FORCE FOR THE ESTABLISHMENT OF THE NATIONAL GUARD TRAINING SITE.**

EMS MAP LINK: CLICK HERE

FUDS PROJECT POINT DATA

FFID: **CA99799F686800**
PROPERTY ID: **61967**
PROJECT ID: **01**
ENV SITE ID: **01PRP/HTRW**
SITE ID: **NOT REPORTED**
MRA ID: **NOT REPORTED**
PROJECT NUMBER: **NOT REPORTED**
PROJECT NAME: **PRP/HTRW**
PROGRAM: **IRP**
CATEGORY: **PRP/HTRW**
STATUS: **RESPONSE COMPLETE AND SITE CLOSEOUT**
FED LAND TYPE: **NOT REPORTED**
FED LAND NAME: **NOT REPORTED**
FED LAND AGENCY: **NOT REPORTED**
SITE CLOSEOUT DATE: **2018-01-01**
REMEDY IN PLACE DATE: **2017-03-01**
RESPONSE COMPLETE DATE: **2017-03-01**
NPL STATUS CODE: **NOT REPORTED**
CURRENT OWNER: **NOT REPORTED**
ELIGIBILITY: **NOT REPORTED**
HAS PROJECTS: **NOT REPORTED**
FISCAL YEAR: **NOT REPORTED**
EPA REGION: **NOT REPORTED**
CONGRESSIONAL DISTRICT: **NOT REPORTED**
DISTRICT RESPONSIBLE FOR THE FUDS PROPERTY: **NOT REPORTED**
IS THE PROPERTY HAS ANY CLEANUP UNDER THE MILITARY MUNITIONS RESPONSE PROGRAM (MMRP): **NOT REPORTED**
ACREAGE: **NOT REPORTED**
DESCRIPTION: **NOT REPORTED**
HISTORY: **NOT REPORTED**
EMS MAP LINK: CLICK HERE

FUDS PROJECT POINT DATA

FFID: **CA99799F686800**
PROPERTY ID: **61967**
PROJECT ID: **02**
ENV SITE ID: **02OEW**
SITE ID: **NOT REPORTED**
MRA ID: **NOT REPORTED**
PROJECT NUMBER: **NOT REPORTED**
PROJECT NAME: **SMALL ARMS RANGES**
PROGRAM: **MMRP**
CATEGORY: **MMRP**

Formerly Used Defense Sites (FUDS)

STATUS: **RESPONSE COMPLETE AND SITE CLOSEOUT**
FED LAND TYPE: **NOT REPORTED**
FED LAND NAME: **NOT REPORTED**
FED LAND AGENCY: **NOT REPORTED**
SITE CLOSEOUT DATE: **2011-08-01**
REMEDY IN PLACE DATE: **2011-08-01**
RESPONSE COMPLETE DATE: **2011-08-01**
NPL STATUS CODE: **NOT REPORTED**
CURRENT OWNER: **NOT REPORTED**
ELIGIBILITY: **NOT REPORTED**
HAS PROJECTS: **NOT REPORTED**
FISCAL YEAR: **NOT REPORTED**
EPA REGION: **NOT REPORTED**
CONGRESSIONAL DISTRICT: **NOT REPORTED**
DISTRICT RESPONSIBLE FOR THE FUDS PROPERTY: **NOT REPORTED**
IS THE PROPERTY HAS ANY CLEANUP UNDER THE MILITARY MUNITIONS RESPONSE PROGRAM (MMRP): **NOT REPORTED**
ACREAGE: **33**
DESCRIPTION: **NOT REPORTED**
HISTORY: **NOT REPORTED**
EMS MAP LINK: CLICK HERE

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MAP ID# 61

Distance from Property: 0.570 mi. (3,010 ft.) WNW
Elevation: 982 ft. (Higher than TP)

SITE INFORMATION

ID #: **80001800** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **GENERAL ELECTRIC COMPANY**
ADDRESS: **234 EAST MAIN ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES): **0**
LEAD AGENCY: **RWQCB 8 - SANTA ANA**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: *** UNKNOWN**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **CORRECTIVE ACTION**
SITE TYPE DESCRIPTION
CORRECTIVE ACTION
DTSC's CURRENT INVOLVEMENT AT SITE (as of 2008-01-01 00:00:00)
REFER: RWQCB -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

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EnviroStor Permitted and Corrective Action Sites (ENVIROSTORPCA)

MAP ID# 61

Distance from Property: 0.570 mi. (3,010 ft.) WNW
Elevation: 982 ft. (Higher than TP)

SITE INFORMATION

GEOSEARCH ID: **CAT000622357**
EPA ID: **CAT000622357**
NAME: **GENERAL ELECTRIC COMPANY**
ADDRESS: **234 EAST MAIN ST**
ONTARIO, CA 91761
COUNTY: **SAN BERNARDINO**
FACILITY TYPE: **HISTORICAL - NON-OPERATING**
STATUS: **CLOSED**
SUPERVISOR:
FACILITY STATUS:
COMMERCIAL OFFSITE FACILITY TYPES:
QUARTERLY UPDATE: **GE FACILITY MANUFACTURED FLATIRONS FROM 1927 TO 19**
PROJECT MANAGER:
PROJECT MANAGER LEAD:
PERMIT TYPE: **RCRA**
PERMIT EFFECTIVE DATE:
PERMIT EXPIRATION DATE:
SITE CODE:
CALENVIROSCREEN SCORE: **96-100% (HIGHEST SCO**
ASSEMBLY DISTRICT: **52**
SENATE DISTRICT: **20**
TOTAL PLANNED HOURS:
TOTAL PLANNED AMOUNT:
TOTAL ACTUAL HOURS:
PUBLIC INFORMATION OFFICER:
PUBLIC PARTICIPATION SPECIALIST:

HAZARDOUS WASTE UNITS UNDERGOING CLOSURE

COMPLETED DATE: **03/31/1995**
DUE DATE:
UNIT: **CONTAIN1**
EVENT DESCRIPTION: **CLOSURE FINAL - ISSUE CLOSURE VERIFICATION**
FACILITY TYPE: **HISTORICAL - NON-OPERATING**
FACILITY SIZE:
ACTIVITY TYPE: **CLOSURE FINAL**
FINAL:
TYPE: **RCRA**
TITLE DESCRIPTION: **CLOSURE**
COMMENT: **CLOSURE CERTIFICATION ACCEPTANCE BASED ON DTSC'S REVIEW OF PAST DOCUMENTATIONS.**
COMPLETED DATE: **06/30/1982**
DUE DATE:
UNIT: **CONTAIN1**
EVENT DESCRIPTION: **CLOSURE FINAL - RECEIVE CLOSURE CERTIFICATION**

FACILITY TYPE: **HISTORICAL - NON-OPERATING**
FACILITY SIZE:
ACTIVITY TYPE: **CLOSURE FINAL**
FINAL:
TYPE: **RCRA**
TITLE DESCRIPTION: **CLOSURE**
COMMENT:

HAZARDOUS WASTE UNITS COMPLETED ACTIVITIES
COMPLETED DATE: **11/01/1980**
DUE DATE:
UNIT:
EVENT DESCRIPTION: **NEW OPERATING PERMIT - APPLICATION PART A RECEIVED**
FACILITY TYPE: **HISTORICAL - NON-OPERATING**
PERMIT BEING RENEWED:
PERMIT BEING MODIFIED:
FINAL:
TYPE: **RCRA**
TITLE DESCRIPTION: **IMPORTED 12/2011:PERMIT**
COMMENT: **PER 5/31/89 INSPECTION REPORT. NOV 1980, DATE IS NOT SPECIFIED.**

MAINTENANCE **- NO INFORMATION REPORTED -**

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Resource Conservation & Recovery Act - Corrective Action Facilities (RCRAC)

MAP ID# 61

Distance from Property: 0.570 mi. (3,010 ft.) WNW
Elevation: 982 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: **CAT000622357**
NAME: **GENERAL ELECTRIC COMPANY**
ADDRESS: **234 EAST MAIN STREET**
ONTARIO, CA 91761
CONTACT NAME: **PAUL C DEUTSCH**
CONTACT ADDRESS: **1281 E. ALLUVIAL #101**
FRESNO CA 93720
CONTACT PHONE: **559-264-2535**
NON-NOTIFIER:
DATE RECEIVED BY AGENCY: **06/10/2020**

OWNER TYPE: **PRIVATE**
OWNER NAME: **OAKFIELD REALTY PARTNERS LLC**
OPERATOR TYPE: **PRIVATE**
OPERATOR NAME: **GENERAL ELECTRIC COMPANY**

CERTIFICATION

CERTIFICATION NAME:	CERTIFICATION TITLE:	CERTIFICATION SIGNED DATE:
RANDALL L MCALISTER	**EXECUTIVE MANAGER ENVIRONMENTAL REMEDIATION**	**02/17/2016**
LISA A HAMILTON	**MANAGER, GECEP**	**02/13/2006**
PAUL DEUTSCH	**PRINCIPAL SCIENTIST**	**11/06/2018**
LISA A HAMILTON	**MANAGER**	**04/30/2008**
RICH VAILLE	**MANAGER, RCRA ENFORCEMENT OFFICE**	**03/05/2007**
LISA A HAMILTON	**MGR**	**01/24/2005**
PAUL C DEUTSCH	**PRINCIPAL SCIENTIST**	**04/01/2020**
PAUL C DEUTSCH	**PRINCIPAL SCIENTIST**	**03/30/2017**
PAUL C DEUTSCH	**PRINCIPAL SCIENTIST**	**08/01/2017**
PAUL C DEUTSCH	**PRINCIPAL SCIENTIST**	**06/26/2018**
PAUL C DEUTSCH	**PRINCIPAL SCIENTIST**	**06/10/2020**

INDUSTRY CLASSIFICATION (NAICS)

335211 - ELECTRIC HOUSEWARES AND HOUSEHOLD FAN MANUFACTURING
56291 - REMEDIATION SERVICES
562910 - REMEDIATION SERVICES
56299 - ALL OTHER WASTE MANAGEMENT SERVICES

CURRENT ACTIVITY INFORMATION

GENERATOR STATUS: **LARGE QUANTITY GENERATOR** LAST UPDATED DATE: **06/12/2020**
SUBJECT TO CORRECTIVE ACTION UNIVERSE: **YES**
TDSFs POTENTIALLY SUBJECT TO CORRECTIVE ACTION UNDER 3004 (u)/(v) UNIVERSE: **NO**
TDSFs ONLY SUBJECT TO CORRECTIVE ACTION UNDER DISCRETIONARY AUTHORITIES UNIVERSE: **YES**
NON TSDFs WHERE RCRA CORRECTIVE ACTION HAS BEEN IMPOSED UNIVERSE: **NO**
CORRECTIVE ACTION WORKLOAD UNIVERSE: **YES**

IMPORTER: **NO**
MIXED WASTE GENERATOR: **NOT REPORTED**
RECYCLER: **NO**
TRANSPORTER: **NO**
ONSITE BURNER EXEMPTION: **NO**
FURNACE EXEMPTION: **NO**

UNDERGROUND INJECTION: **NO**
UNIVERSAL WASTE DESTINATION FACILITY: **NO**
TRANSFER FACILITY: **NO**
USED OIL FUEL BURNER: **NO**
USED OIL PROCESSOR: **NO**
USED OIL FUEL MARKETER TO BURNER: **NO**

USED OIL REFINER: **NO**
SPECIFICATION USED OIL MARKETER: **NO**
USED OIL TRANSFER FACILITY: **NO**
USED OIL TRANSPORTER: **NO**

COMPLIANCE, MONITORING AND ENFORCEMENT INFORMATION

EVALUATIONS

08/13/2019	**CEI**	**COMPLIANCE EVALUATION INSPECTION ON-SITE**
03/02/1992	**CEI**	**COMPLIANCE EVALUATION INSPECTION ON-SITE**
05/15/1989	**FRR**	**FINANCIAL RECORD REVIEW**
05/10/1989	**CEI**	**COMPLIANCE EVALUATION INSPECTION ON-SITE**

VIOLATIONS

08/13/2019	**262.C**	**GENERATORS - PRE-TRANSPORT**
05/15/1989	**264.H**	**TSD - FINANCIAL REQUIREMENTS**

ENFORCEMENTS **- NO ENFORCEMENTS REPORTED -**

HAZARDOUS WASTE

134

351

741

D039	**TETRACHLOROETHYLENE**
D040	**TRICHLORETHYLENE**

UNIVERSAL WASTE

WASTE TYPE:	ACCUMULATED WASTE ON-SITE:	GENERATED WASTE ON-SITE:	SOURCE TYPE:
BATTERIES	**NO**	**NO**	**ANNUAL/BIENNIAL REPORT**
LAMPS	**NO**	**NO**	**ANNUAL/BIENNIAL REPORT**
PESTICIDES	**NO**	**NO**	**ANNUAL/BIENNIAL REPORT**
MERCURY CONTAINING EQUIPMENT	**NO**	**NO**	**ANNUAL/BIENNIAL REPORT**

CORRECTIVE ACTION AREA (RELEASE)

AREA NAME:	AIR:	GROUNDWATER:	SOIL:	SURFACE WASTE:
ENTIRE FACILITY				

CORRECTIVE ACTION EVENT

CA EVENT CODE: **CA029WQ**
EVENT DESCRIPTION: **LEAD AGENCY DETERMINATION**
EVENT SEQUENCE NUMBER: **1**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **08/28/1990**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA550RC**
EVENT DESCRIPTION: **REMEDY CONSTRUCTION-REMEDY CONSTRUCTED**
EVENT SEQUENCE NUMBER: **1**
EVENT RESPONSIBLE AGENCY: **EPA**

ACTUAL DATE OF EVENT: **07/08/2010**
ORIGINAL SCHEDULE DATE OF EVENT: **07/08/2010**
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA050RF**
EVENT DESCRIPTION: **RFA COMPLETED-ASSESSMENT WAS A RFA**
EVENT SEQUENCE NUMBER: **1**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **12/04/1997**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA036WQ**
EVENT DESCRIPTION: **DEFERRAL TO ANOTHER AGENCY**
EVENT SEQUENCE NUMBER: **2**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **10/31/1991**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA100**
EVENT DESCRIPTION: **INVESTIGATION IMPOSITION**
EVENT SEQUENCE NUMBER: **2**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **12/11/1987**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA049PA**
EVENT DESCRIPTION: **PA OR CERCLA INSPECTION**
EVENT SEQUENCE NUMBER: **3**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **10/13/1989**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA150**
EVENT DESCRIPTION: **INVESTIGATION WORKPLAN APPROVED**
EVENT SEQUENCE NUMBER: **3**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **01/01/1989**
ORIGINAL SCHEDULE DATE OF EVENT:

NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA074HI**
EVENT DESCRIPTION: **NCAPS RANKING/PRIORITY**
EVENT SEQUENCE NUMBER: **4**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **08/28/1990**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA200**
EVENT DESCRIPTION: **INVESTIGATION COMPLETE**
EVENT SEQUENCE NUMBER: **4**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **01/08/1993**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA075HI**
EVENT DESCRIPTION: **CA PRIORITIZATION-HIGH CA PRIORITY**
EVENT SEQUENCE NUMBER: **5**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **08/28/1990**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA210**
EVENT DESCRIPTION: **REFERRED TO A NON-RCRA AUTHORITY**
EVENT SEQUENCE NUMBER: **5**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **12/04/1997**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA725IN**
EVENT DESCRIPTION: **HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED**
EVENT SEQUENCE NUMBER: **6**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **03/09/2001**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA225NR**
EVENT DESCRIPTION: **STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION**
EVENT SEQUENCE NUMBER: **6**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **12/04/1997**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA750YE**
EVENT DESCRIPTION: **RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE**
EVENT SEQUENCE NUMBER: **7**
EVENT RESPONSIBLE AGENCY: **EPA**
ACTUAL DATE OF EVENT: **03/09/2001**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA350**
EVENT DESCRIPTION: **CMS COMPLETE**
EVENT SEQUENCE NUMBER: **7**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **11/01/1995**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA600GW**
EVENT DESCRIPTION: **STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION & TREATMENT**
EVENT SEQUENCE NUMBER: **8**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **01/01/1994**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA650**
EVENT DESCRIPTION: **STABILIZATION CONSTRUCTION COMPLETED**
EVENT SEQUENCE NUMBER: **9**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **06/01/1995**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA725YE**

EVENT DESCRIPTION: **HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE**
EVENT SEQUENCE NUMBER: **10**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **12/04/1997**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA725YE**
EVENT DESCRIPTION: **HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE**
EVENT SEQUENCE NUMBER: **11**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **09/24/2004**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA750YE**
EVENT DESCRIPTION: **RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE**
EVENT SEQUENCE NUMBER: **11**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **12/04/1997**
ORIGINAL SCHEDULE DATE OF EVENT:
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA550RC**
EVENT DESCRIPTION: **REMEDY CONSTRUCTION-REMEDY CONSTRUCTED**
EVENT SEQUENCE NUMBER: **147**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **07/08/2010**
ORIGINAL SCHEDULE DATE OF EVENT: **07/08/2010**
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA725IN**
EVENT DESCRIPTION: **HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED**
EVENT SEQUENCE NUMBER: **150**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **02/02/2001**
ORIGINAL SCHEDULE DATE OF EVENT: **02/02/2001**
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA725YE**
EVENT DESCRIPTION: **HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE**
EVENT SEQUENCE NUMBER: **153**

EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **09/24/2004**
ORIGINAL SCHEDULE DATE OF EVENT: **09/24/2004**
NEW SCHEDULE DATE OF EVENT:

CA EVENT CODE: **CA750YE**
EVENT DESCRIPTION: **RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE**
EVENT SEQUENCE NUMBER: **156**
EVENT RESPONSIBLE AGENCY: **STATE**
ACTUAL DATE OF EVENT: **02/02/2001**
ORIGINAL SCHEDULE DATE OF EVENT: **02/02/2001**
NEW SCHEDULE DATE OF EVENT:

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MAP ID# 62

Distance from Property: 0.996 mi. (5,259 ft.) WNW
Elevation: 996 ft. (Higher than TP)

SITE INFORMATION

ID #: **36720001** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **TERRA VISTA CLEANERS**
ADDRESS: **213 W HOLT AVE.**
ONTARIO, CA 91762
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: **REFERRED - NOT ASSIGNED**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **EVALUATION**
SITE TYPE DESCRIPTION
EVALUATION
DTSC's CURRENT INVOLVEMENT AT SITE (as of 2004-06-03 00:00:00)
REFER: 1248 LOCAL AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

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MAP ID# 62

Distance from Property: 0.996 mi. (5,259 ft.) WNW
Elevation: 996 ft. (Higher than TP)

SITE INFORMATION

ID #: **36720002** ASSESSOR'S PARCEL #: **NONE SPECIFIED**
FACILITY LINK: CLICK HERE
NAME: **ELITE CLEANERS**
ADDRESS: **213 W HOLT AVE.**
ONTARIO, CA 91762
COUNTY: **SAN BERNARDINO**
SITE SIZE (ACRES):
LEAD AGENCY: **NONE SPECIFIED**
DTSC PROJECT MANAGER:
DTSC SUPERVISOR: **REFERRED - NOT ASSIGNED**
DTSC DIVISION BRANCH: **CLEANUP CYPRESS**
NPL LISTED: **NO** RESTRICTED LAND USE: **NO**
SITE TYPE: **EVALUATION**
SITE TYPE DESCRIPTION
EVALUATION
DTSC's CURRENT INVOLVEMENT AT SITE (as of 2004-06-03 00:00:00)
REFER: 1248 LOCAL AGENCY -
PAST USE/S THAT CAUSED THE CONTAMINATION
NONE SPECIFIED
CONFIRMED CONTAMINANTS OF CONCERN
NONESPECIFIED - NONE SPECIFIED

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Unlocated Sites Summary

This list contains sites that could not be mapped due to limited or incomplete address information.

Database Name	Site ID#	Site Name	Address	City/State/Zip/County
AST2007	3672987464	ONTARIO (DISTRICT 8)		ONTARIO
CHMIRS	02-6416		BON VIEW STREET	ONTARIO
CLEANUPSITES	L10009147719	BRINE FAC, CHEM LAB PRODUCTS		ONTARIO

Environmental Records Definitions - FEDERAL

AIRSAFS Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 10/20/14

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance. Enforcement and Compliance History Online (ECHO) Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014, the EPA retired this system for Clean Air Act stationary sources.

ALTFUELS Alternative Fueling Stations

VERSION DATE: 10/28/20

Nationwide list of alternative fueling stations made available by the U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Bio-diesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE).

BF Brownfields Management System

VERSION DATE: 01/11/21

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment. This database includes tribal brownfield sites.

BRS Biennial Reporting System

VERSION DATE: 12/31/17

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The Biennial Report captures detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage and disposal facilities. Currently, the EPA states that data collected between 1991 and 1997 was originally a part of the defunct Biennial Reporting System and is now incorporated into the RCRAInfo data system.

CDL Clandestine Drug Laboratory Locations

VERSION DATE: 06/17/20

Environmental Records Definitions - FEDERAL

The U.S. Department of Justice ("the Department") provides this information as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.

DNPL Delisted National Priorities List

VERSION DATE: 10/19/21

This database includes sites from the United States Environmental Protection Agency's Final National Priorities List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

DOCKETS EPA Docket Data

VERSION DATE: 12/22/05

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. Please refer to ICIS database as source of current data.

DOD Department of Defense Sites

VERSION DATE: 12/01/14

This information originates from the National Atlas of the United States Federal Lands data, which includes lands owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

EC Federal Engineering Institutional Control Sites

VERSION DATE: 04/27/21

This database includes site locations where Engineering and/or Institutional Controls have been identified as part of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. The data displays remedy component information for Superfund decision documents issued in fiscal years 1982-2017, and it includes final and deleted NPL sites as well as sites with a Superfund Alternative Approach (SAA) agreement in place. The only sites included that are not on the NPL, proposed for NPL, or removed from proposed NPL, are those with an SAA Agreement in place. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the

potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.

ECHOR09 Enforcement and Compliance History Information

VERSION DATE: 11/28/20

The U.S. Environmental Protection Agency's Enforcement and Compliance History Online (ECHO) database, provides compliance and enforcement information for facilities nationwide. This database includes facilities regulated as Clean Air Act stationary sources, Clean Water Act direct dischargers, Resource Conservation and Recovery Act hazardous waste handlers, Safe Drinking Water Act public water systems along with other data, such as Toxics Release Inventory releases.

ERNSCA Emergency Response Notification System

VERSION DATE: 09/26/21

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

FEMAUST FEMA Owned Storage Tanks

VERSION DATE: 12/01/16

This is a listing of FEMA owned underground and aboveground storage tank sites. For security reasons, address information is not released to the public according to the U.S. Department of Homeland Security.

FRSCA Facility Registry System

VERSION DATE: 03/02/21

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility Index System or FINDS database.

FUDS Formerly Used Defense Sites

VERSION DATE: 12/31/18

The Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not

all properties currently have polygon data available. DISCLAIMER: This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

FUSRAP Formerly Utilized Sites Remedial Action Program

VERSION DATE: 03/04/17

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

HISTPST Historical Gas Stations

VERSION DATE: NR

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

HMIRSR09 Hazardous Materials Incident Reporting System

VERSION DATE: 03/24/21

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

HWCD Hazardous Waste Compliance Docket Facilities

VERSION DATE: 10/29/20

This list of the Federal Agency Hazardous Waste Compliance Docket Facilities is maintained by the United States Environmental Protection Agency (EPA). According to the EPA, Section 120(c) of CERCLA requires EPA to establish a listing, known as the Federal Facility Hazardous Waste Compliance Docket (Docket), of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste. Thus, the Docket identifies all Federal facilities that must be evaluated to determine whether they pose a risk to human health and the environment and it makes this information available to the public. In order for the Docket to remain current and accurate it requires periodic updating.

ICIS Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 09/19/20

ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.

ICISCLEANERS Integrated Compliance Information System Drycleaners

VERSION DATE: 09/19/20

This is a listing of drycleaner facilities from the Integrated Compliance Information System (ICIS). The U.S. Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments. The following Primary SIC Codes are included in this data: 7211, 7212, 7213, 7215, 7216, 7217, 7218, and/or 7219; the following Primary NAICS Codes are included in this data: 812320, 812331, and/or 812332.

ICISNPDES Integrated Compliance Information System National Pollutant Discharge Elimination System

VERSION DATE: 04/26/20

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. This database is provided by the U.S. Environmental Protection Agency.

LUCIS Land Use Control Information System

VERSION DATE: 09/01/06

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

MLTS Material Licensing Tracking System

VERSION DATE: 06/29/17

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements. Disclaimer: Due to agency regulations and policies, this database contains applicant/licensee location information which may or may not be related to the physical location per MLTS site.

MRDS Mineral Resource Data System

VERSION DATE: 03/15/16

MRDS (Mineral Resource Data System) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps. A few updates last occurred 2015 and early 2016 for select mine site area/s.

MSHA Mine Safety and Health Administration Master Index File

VERSION DATE: 08/07/20

The Mine dataset lists all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970. It includes such information as the current status of each mine (Active, Abandoned, NonProducing, etc.), the current owner and operating company, commodity codes and physical attributes of the mine. Mine ID is the unique key for this data. This information is provided by the United States Department of Labor - Mine Safety and Health Administration (MSHA).

NLRRCRAC No Longer Regulated RCRA Corrective Action Facilities

VERSION DATE: 08/09/21

This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.

NLRRCRAT No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 08/09/21

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

NMS Former Military Nike Missile Sites

VERSION DATE: 12/01/84

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline,

heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

NPDESR09 National Pollutant Discharge Elimination System

VERSION DATE: 04/01/07

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. The NPDES database was collected from the U.S. Environmental Protection Agency (EPA) from December 2002 through April 2007. Refer to the ICIS and/or ICIS-NPDES database as source of current data. This database includes permitted facilities located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

NPL National Priorities List

VERSION DATE: 10/19/21

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

ODI Open Dump Inventory

VERSION DATE: 06/01/85

The open dump inventory was published by the United States Environmental Protection Agency. An “open dump” is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

PADS PCB Activity Database System

VERSION DATE: 11/19/20

PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of Polychlorinated Biphenyls (PCB) who are required to notify the U.S. Environmental Protection Agency of such activities.

PCSR09 Permit Compliance System

VERSION DATE: 08/01/12

The historic Permit Compliance System tracked enforcement status and permit compliance of facilities controlled

by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act. This database includes permitted facilities located in EPA Region 9 states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa. This system has since been modernized by United States Environmental Protection Agency and is now integrated into the Integrated Compliance Information System (ICIS). Please refer to the ICIS database as the current source for this data.

PNPL Proposed National Priorities List

VERSION DATE: 10/19/21

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to determine if they may present long-term threats to public health or the environment.

RCRAC Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 08/09/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with corrective action activity.

RCRAGR09 Resource Conservation & Recovery Act - Generator

VERSION DATE: 08/09/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities currently generating hazardous waste. EPA Region 9 includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

RCRANGR09 Resource Conservation & Recovery Act - Non-Generator

VERSION DATE: 08/09/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities classified as non-generators. Non-Generators do not presently generate hazardous waste. EPA

Region 9 includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

RCRASC RCRA Sites with Controls

VERSION DATE: 08/12/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with institutional controls in place.

RCRASUBC Resource Conservation & Recovery Act - Subject to Corrective Action Facilities

VERSION DATE: 08/09/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities subject to corrective actions.

RCRAT Resource Conservation & Recovery Act - Non-CORRACTS Treatment, Storage & Disposal Facilities

VERSION DATE: 08/09/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities recognized as hazardous waste treatment, storage, and disposal sites (TSD).

RODS Record of Decision System

VERSION DATE: 09/21/20

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

SEMS Superfund Enterprise Management System

VERSION DATE: 10/19/21

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs.

SEMSARCH Superfund Enterprise Management System Archived Site Inventory

VERSION DATE: 10/19/21

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System Archived Site Inventory (List 8R Archived) replaced the CERCLIS NFRAP reporting system in 2015. This listing reflects sites at which the EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program.

SEMSLIENS SEMS Lien on Property

VERSION DATE: 06/22/20

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs. This is a listing of SEMS sites with a lien on the property.

SFLIENS CERCLIS Liens

VERSION DATE: 06/08/12

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. This database contains those CERCLIS sites where the Lien on Property action is complete. Please refer to the SEMSLIENS database as source of current data.

SMCRA Surface Mining Control and Reclamation Act Sites

VERSION DATE: 12/18/20

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of

Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

SSEHRIPFAS SSEHRI PFAS Contamination Sites

VERSION DATE: 12/12/19

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Please access the following source link for the most current information: https://pfasproject.com/pfas-contamination-site-tracker/

SSTS Section Seven Tracking System

VERSION DATE: 08/04/20

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. "Production" includes formulation, packaging, repackaging, and relabeling. For this database, the Product Information is only available for establishments up through 2014 or prior years, product details are no longer released by the EPA within the current SSTS non-Confidential Business Information data.

TRI Toxics Release Inventory

VERSION DATE: 12/31/18

The Toxics Release Inventory, provided by the United States Environmental Protection Agency, includes data on toxic chemical releases and waste management activities from certain industries as well as federal and tribal facilities. This inventory contains information about the types and amounts of toxic chemicals that are released each year to the air, water, and land as well as information on the quantities of toxic chemicals sent to other facilities for further waste management.

Environmental Records Definitions - FEDERAL

TSCA Toxic Substance Control Act Inventory

VERSION DATE: 12/31/16

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency (EPA) authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site. The EPA has collected Chemical Data Reporting (CDR) data since in 1986 (as Inventory Update Reporting). Collections occur approximately every four years and reporting requirements changed from collection to collection.

USUMTRCA Uranium Mill Tailings Radiation Control Act Sites

VERSION DATE: 03/04/17

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Environmental Records Definitions - STATE (CA)

ABST Above Ground Storage Tanks

VERSION DATE: 08/12/21

This database, provided by the California Environmental Protection Agency's (CalEPA) Regulated Site Portal, contains aboveground petroleum storage tank facilities originating from the California Environmental Reporting System (CERS). These facilities store petroleum in aboveground storage tanks with oversight by local agencies. As of January 1, 2008, Assembly Bill No. 1130 of the Aboveground Petroleum Storage Act (APSA) authorized the Certified Unified Program Agencies to implement and administer the requirements of the APSA. CalEPA Data Disclaimer: Information displayed in the portal is collected from separate agency databases and displayed unaltered. Information that is considered confidential, trade secret, or is otherwise protected by the agency that manages the database is not loaded into the portal. For more detail about information displayed in the portal, please visit the data source sites. Please refer to AST2007 database for aboveground storage tank information obtained from the California State Water Resources Control Board prior to 2008 APSA requirements.

AST2007 Aboveground Storage Tanks Prior to January 2008

VERSION DATE: 11/01/06

This database contains aboveground storage tank facilities registered with the California State Water Resources Control Board (SWRCB) between 2007 and 2003. Since 2006, tanks were required to contain a minimum (even as cumulative) of 1320 gallons to be in the program. As of January 1, 2008, the SWRCB no longer maintains a list of registered aboveground storage tanks, due to effective Assembly Bill No. 1130 (Laird) of the Aboveground Petroleum Storage Act (APSA). This Bill authorized the Certified Unified Program Agencies to implement and administer the requirements of the APSA. Please refer to ABST database as a current source for aboveground petroleum storage tank data.

BF Brownfield Sites

VERSION DATE: 11/04/21

This database of Brownfield Memorandum of Agreement (MOA) sites is maintained by the California Environmental Protection Agency. The California Department of Toxic Substances Control (CTSC), the State Water Resources Control Board, and the Regional Water Quality Control Boards (RWQCBs) agreed to a Brownfield Memorandum of Agreement (MOA). The MOA limits the oversight of a brownfields site to one agency, establishes procedures and guidelines for identifying the lead agency, calls for a single uniform site assessment procedure, requires all cleanups to address the requirements of the agencies, defines roles and responsibilities, provides for ample opportunity for public involvement, commits agencies to review time frames, and commits agencies to coordinate and communicate on brownfields issues. The Brownfield MOA site list is obtained from the State Water Resources Control Board GeoTracker online database. This list contains both open and completed sites.

CALSITES CALSITES Database

VERSION DATE: 05/01/04

This historical database was maintained by the Department of Toxic Substance Control for more than a decade.

CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

CDL Clandestine Drug Labs

VERSION DATE: 06/30/19

The California Department of Toxic Substance Control (DTSC) maintains this listing of illegal drug laboratories. DTSC maintains a limited cost-tracking database to manage and pay appropriate contractor invoices for removal costs. The data source is an expenditure report with the contractors' invoice information and the reported removal action locations. The reported location information may or may not include the actual location of the illegal drug lab for several reasons. First, DTSC receives the location information verbally from law enforcement or local environmental health officials in the initial request for emergency support. Second, DTSC does not verify the information received and does not perform "data cleaning" or other measures to ensure data quality. Third, the location information may not be the actual location of an illegal drug lab or any hazardous substance release to the environment. The initial report may have provided the location of the nearest identifiable address to an illegal drug lab or mobile lab or abandonment of illegal drug lab wastes, or a nearby meeting location for the contractor. Please note the DTSC does not guarantee the accuracy of the address or location information or the condition of the location listed. The listing of an address or location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the address or location either requires or does not require additional cleanup work or mitigation action.

CHMIRS California Hazardous Material Incident Report System

VERSION DATE: 08/31/21

The California Hazardous Material Incident Report System list is maintained by the California Governor's Office of Emergency Services (OES). This list contains all spills called in to the California OES Warning Center for a specific year since 1993.

CLEANER Dry Cleaner Facilities

VERSION DATE: 05/13/21

This list of dry cleaners is maintained by the California Department of Toxic Substances Control (DTSC). Data is extracted from the DTSC Hazardous Waste Tracking System. This list includes dry cleaner facilities that have registered EPA identification numbers. These facilities are categorized by SIC codes (7211, 7212, 7213, 7215, 7216, 7217, 7218, 7219). This database may also include facilities other than dry cleaners who also register with these same NAICS Codes. Not all companies report their NAICS/SIC Codes to the DTSC, therefore this database may exclude registered dry cleaner facilities with incomplete classification information.

CLEANUPSITES GeoTracker Cleanup Sites

VERSION DATE: NR

This list of GeoTracker Cleanup Sites is maintained by the California State Water Resources Control Board. The database contains contaminated sites that impact groundwater or have the potential to impact ground water,

including sites that require cleanup, such as Leaking Underground Storage Tank Sites, Department of Defense Sites, and Cleanup Program Sites. GeoTracker also contains records for various unregulated projects as well as permitted facilities including: Irrigated Lands, Oil and Gas production, operating Permitted USTs, and Land Disposal Sites. GeoTracker portals retrieve records and view integrated data sets from multiple State Water Board programs and other agencies.

CORTESE Cortese List

VERSION DATE: 01/06/21

This list of hazardous waste and substances sites (Cortese List) is maintained by the California Department of Toxic Substances Control (DTSC). DTSC's Brownfields and Environmental Restoration Program (Cleanup Program) EnviroStor database provides DTSC's component of Cortese List data by identifying Annual Workplan (now referred to State Response and/or Federal Superfund), and Backlog sites listed under Health and Safety Code section 25356. In addition, DTSC's Cortese List includes Certified with Operation and Maintenance sites. The list, or a site's presence on the list, has bearing on the local permitting process as well as on compliance with the California Environmental Quality Act (CEQA). Because this statute was enacted over twenty years ago, some of the provisions refer to agency activities that were conducted many years ago and are no longer being implemented and, in some cases, the information to be included in the Cortese List does not exist.

DROP Listing of Certified Dropoff, Collection, and Community Service Programs

VERSION DATE: 12/16/20

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

DTSCDR DTSC Deed Restrictions

VERSION DATE: 09/08/21

The California Department of Toxic Substances Control (DTSC) maintains this listi of sites with deed restrictions. According to the DTSC, restricted land use indicates whether the site or area within the site has an environmental restriction recorded and/or other institutional control preventing certain types of land use or activities. The land use restrictions listed under the site management requirements are only an abbreviated summary of the land use restrictions, and may not encompass all restrictions and notification requirements placed on a property. For complete land use restriction information please contact the DTSC to review associated Land Use Restriction documents.

DTSCHWT DTSC Registered Hazardous Waste Transporters

VERSION DATE: 10/19/20

The California Department of Toxic Substances Control maintains this list of Registered Hazardous Waste Transporters.

Environmental Records Definitions - STATE (CA)

EMI Emissions Inventory Data

VERSION DATE: 12/31/18

This list of Emissions Inventory Data is maintained by the California Environmental Protection Agency California Environmental Agency Air Resources Board. This list includes criteria pollutant data and toxic data. Please note gas stations, print shops, autobody shops, and dry cleaners are not included in this list.

ENVIROSTOR EnviroStor Cleanup Sites

VERSION DATE: 10/12/21

This list of Envirostor Cleanup Sites is maintained by the California Department of Toxic Substances Control (DTSC). DTSC has developed the EnviroStor database system to evaluate and track sites with confirmed or potential contamination and sites where further investigation may be necessary. This EnviroStor database of cleanup sites contains the following: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

ENVIROSTORPCA EnviroStor Permitted and Corrective Action Sites

VERSION DATE: 10/15/21

The California Department of Toxic Substance Control maintains this list of Hazardous Waste sites in their Envirostor online database. This list contains: 1) data pertaining to the Hazardous Waste Sites tracked in Envirostor; 2) the completed activities for Hazardous Waste Units; 3) the completed activities for Hazardous Waste Units undergoing closure; 4) completed maintenance activities; 5) the various "aliases" for a project (Some examples are: alt project name, alt address, EPA ID, etc.).

ERAP Expedited Removal Action Program Sites

VERSION DATE: 07/12/21

This list of Expedited Removal Action Program Sites is a subset of the EnviroStor database, maintained by the California Department of the Toxic Substance Control. Sites are queried from Envirostor by site type = State Response ERAP.

HISTCORTESE Historical Cortese List

VERSION DATE: 11/02/02

This historical listing includes hazardous waste and substances sites designated by the State Water Resources Control Board, the Integrated Waste Board, and the Department of Toxic Substance Control. The Cortese List was utilized by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. See CACORTESE for an updated version of this database.

Environmental Records Definitions - STATE (CA)

HISTUST Historical Underground Storage Tanks

VERSION DATE: 12/31/87

The Hazardous Substance Storage Container Database is a historical list of Underground Storage Tank sites, compiled from tank survey and registration information collected at one time between 1984 and 1987 by the State Water Resources Control Board. The hazardous substances stored within these tanks includes, but not restricted to, petroleum products, industrial solvents, and other materials.

HWTS Hazardous Waste Tanner Summary

VERSION DATE: 12/31/19

The Hazardous Waste Tanner Summary is maintained by the California Department of Toxic Substances Control (DTSC). This list includes data extracted from the copies of hazardous waste manifests received each year by the DTSC.

LDS Land Disposal Sites

VERSION DATE: 10/07/21

This list of Land Disposal sites (Landfills) is a subset of the GeoTracker Cleanup Sites database, maintained by the California State Water Resources Control Board. Sites are queried from GeoTracker by case type = Land Disposal Site.

LIENS Recorded Environmental Cleanup Liens

VERSION DATE: 11/16/20

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

LUST Leaking Underground Storage Tanks

VERSION DATE: 10/07/21

This list of leaking underground storage tanks is a subset of the GeoTracker Cleanup Sites database maintained by the California State Water Resources Control Board. Sites are queried from GeoTracker by case type = LUST Cleanup Site.

MCS Military Cleanup Sites

VERSION DATE: 10/07/21

This list of Military sites is a subset of the GeoTracker Cleanup Sites database maintained by the California State Water Resources Control Board. Sites are queried from GeoTracker by case type = Military Cleanup Sites. This

list includes : Military UST sites; Military Privatized sites; and Military Cleanup sites (formerly known as DoD non UST).

MINES Mines Listing

VERSION DATE: 01/12/21

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

MWMP California Medical Waste Management Program Facility List

VERSION DATE: 12/31/20

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

NFA No Further Action Determination

VERSION DATE: 09/09/19

This list of No Further Action (NFA) sites is maintained by the California Department of Toxic Substances Control. NFA identifies sites where a Phase I Environmental Assessment was completed and resulted in a no action required determination. Please refer to ENVIROSTOR for current No Further Action sites.

NFE Sites Needing Further Evaluation

VERSION DATE: 08/31/21

This list of Inactive - Needs Evaluation sites is maintained by the California Department of Toxic Substances Control. These are unconfirmed contaminated properties that need further assessment. This data is queried from the Department of Toxic Substances Control Evirostor online database.

NPDES National Pollutant Discharge Elimination System Facilities

VERSION DATE: 11/18/20

This list of active, historical, and terminated National Pollutant Discharge Elimination System Facilities permits is maintained by the California Environmental Protection Agency State Water Resources Control Board. This data includes storm water general permit enrollees that are active or have been active within the past three years. Please note there can be multiple listings for a single permit due to multiple dischargers, multiple facilities, and/or multiple address listings. Please use the Regulatory Measure ID to identify duplicates, as this is a unique identifier for each permit.

PFAS PFAS Sampling Location Sites

VERSION DATE: 12/14/20

This list of PFAS Sampling Locations is maintained by the California State Water Resources Control Board (SWRCB). This list contains site locations with Per- and Polyfluoroalkyl Substances (PFAS) analytical data. The data can represent individual sampling points (i.e. soil boring, groundwater monitoring well, drinking water well, etc.) or a site location with multiple sampling points. Sites currently under investigation are not included in this database until analytical results are finalized and submitted electronically by the Responsible Parties via GeoTracker's Electronic Submittal of Information Portal, and after acceptance by a Regional Water Quality Control Board. According to the SWRCB, the addresses in this data may or may not be accurate.

PROC Listing of Certified Processors

VERSION DATE: 10/27/20

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

REF Referred to Another Local or State Agency

VERSION DATE: 08/31/21

This Referred to Another Local or State Agency list, maintained by the California Department of Toxic Substances Control (DTSC), contains properties where contamination has not been confirmed and which were determined as not requiring direct Department of Toxic Substance Control Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency. This data is extracted from the DTSC Envirostor online database and is queried by Status = "Refer state and local agencies".

SLIC Spills, Leaks, Investigation & Cleanup Recovery Listing

VERSION DATE: 08/04/21

This list of Spills, Leaks, Investigation & Cleanup Recovery sites is maintained by the California Regional Water Quality Control Board (RWQCB). This list all "non-federally owned" sites that are regulated under the State Water Resources Control Board's Site Cleanup Program and/or similar programs conducted by each of the nine Regional Water Quality Control Boards. Cleanup Program Sites are also commonly referred to as "Site Cleanup Program sites". Cleanup Program Sites are varied and include but are not limited to pesticide and fertilizer facilities, rail yards, ports, equipment supply facilities, metals facilities, industrial manufacturing and maintenance sites, dry cleaners, bulk transfer facilities, refineries, mine sites, landfills, RCRA/CERCLA cleanups, and some

brownfields. Unauthorized releases detected at Cleanup Program Sites are highly variable and include but are not limited to hydrocarbon solvents, pesticides, perchlorate, nitrate, heavy metals, and petroleum constituents, to name a few.

SWEEPS Statewide Environmental Evaluation and Planning System

VERSION DATE: 10/01/94

The Statewide Environmental Evaluation and Planning System (SWEEPS) contains a historical listing of active and inactive underground storage tank locations from the State Water Resources Control Board. The hazardous substances stored within these tanks includes, but not restricted to, petroleum products, industrial solvents, and other materials. Refer to CUPA listing for source of current data.

SWIS Solid Waste Information System Sites

VERSION DATE: 07/19/21

This list of Solid Waste Information System Sites is extracted from the Solid Waste Information System (SWIS) database, maintained by the California Department of Resources Recycling and Recovery. The SWIS database includes information on solid waste facilities, operations, and disposal sites located in California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

SWRCY Recycling Centers

VERSION DATE: 11/02/20

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

TOXPITS Toxic Pits Cleanup Act Sites

VERSION DATE: 07/01/95

Toxic Pits are sites with possible contamination of hazardous substances where cleanup is necessary. This listing is no longer updated by the State Water Resources Control Board.

USTCUPA Underground Storage Tanks

VERSION DATE: 07/09/21

The California State Water Resources Control Board maintains this list of permitted underground storage tanks. Permitted Underground Storage Tank (UST) Facilities includes facilities at which the owner or operator has been issued a permit to operate one or more USTs by the local permitting agency. Permitted UST Facilities are imported weekly from the California Environmental Reporting System (CERS).

Environmental Records Definitions - STATE (CA)

VCP Voluntary Cleanup Program

VERSION DATE: 10/12/21

This list of Voluntary Cleanup Sites is a subset of the Envirostor database maintained by the California Department of Toxic Substance Control. Sites are queried from Envirostor by site type = Voluntary Cleanup.

WMUDS Waste Management Unit Database

VERSION DATE: 01/01/00

The Waste Management Unit Database System tracks and inventories waste management units. CCR Title 27 contains criteria stating that Waste Management Units are classified according to their ability to contain wastes. Containment shall be determined by geology, hydrology, topography, climatology, and other factors relating to the ability of the Unit to protect water quality. Water Code Section 13273.1 requires that operators submit a water quality solid waste assessment test (SWAT) report to address leak status. The WMUDS was last updated by the State Water Resources control board in 2000.

WTHAULERS Registered Waste Tire Haulers

VERSION DATE: 12/16/20

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Environmental Records Definitions - LOCAL

SBFD San Bernardino County Hazardous Site Listing

VERSION DATE: 11/16/20

This list of permitted hazardous sites is maintained by the San Bernardino County Fire Department. Active, inactive, fee exempt, and pending sites are included on this list.

SBMW San Bernardino County Medical Waste Facility List

VERSION DATE: 12/22/20

This list of San Bernardino County medical waste facilities is maintained by the County of San Bernardino Department of Public Health Medical Waste Program. The Medical Waste Program regulates generators of medical waste based on the Medical Waste Management Act. The program inspects medical waste facilities, facilities with on-site medical waste treatment units, and common storage areas annually. This program also investigates complaints regarding mishandling of medical waste and facilities that may be operating without a valid health permit. Some facilities that may generate medical waste include hospitals, skilled nursing facilities, blood banks, and doctors, dental and veterinarian offices.

Environmental Records Definitions - TRIBAL

INDIANRES Indian Reservations

VERSION DATE: 09/27/17

This database is extracted from select geographic and cartographic information from the U.S. Census Bureau. The Bureau of Indian Affairs (BIA) within the U.S. Department of the Interior (DOI) provides the list of federally recognized tribes. The American Indian/Alaska Native/Native Hawaiian (AIANNH) Areas includes the following legal entities: federally recognized American Indian reservations and off-reservation trust land areas, state-recognized American Indian reservations, and Hawaiian home lands (HHLs). The boundaries for federally recognized American Indian reservations and off-reservation trust lands are as of January 2017. The boundaries for state-recognized American Indian reservations and for state designated tribal statistical areas were delineated by state governor-appointed liaisons for the 2010 Census through the State American Indian Reservation Program and Tribal Statistical Areas Program respectively.

LUSTR09 Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 05/27/21

This database, provided by the United States Environmental Protection Agency (EPA), contains leaking underground storage tanks on Tribal lands located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

ODINDIAN Open Dump Inventory on Tribal Lands

VERSION DATE: 11/08/06

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

TORRESDUMPSITES Illegal Dump Sites on the Torres Martinez Reservation

VERSION DATE: 12/31/18

This listing of illegal dump site locations on the Torres Martinez Reservation is maintained by the United States Environmental Protection Agency, Region IX. These dump sites contain unlawfully discarded household waste such as landscaping and wood wastes with no known soil or groundwater contamination. A majority of the sites have already been cleaned up through the collaborative efforts of the EPA, The California Integrated Waste Management Board and the Torres Martinez Tribe. This data contains the 2007 List of Illegal Dump Site Locations from the Torres Martinez Reservation and the 2017-2018 List of Illegal Dump Site Locations from the Torres Martinez Reservation.

USTR09 Underground Storage Tanks On Tribal Lands

VERSION DATE: 05/27/21

This database, provided by the United States Environmental Protection Agency (EPA), contains underground

storage tanks on Tribal lands located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

APPENDIX C

County/City Information

San Bernardino County Assessor-Recorder-Clerk
Senator Bob Dutton (Ret.)

Report generated: Tuesday, November 30, 2021

Parcel Report

Parcel

Parcel:	1049181140000
Parcel Status:	A = ACTIVE
Parcel Type:	0 = REAL PROPERTY
Property ID:	
Tax Status:	1 = ASSESSED BY COUNTY
Use Code:	LT INDUST
Land Access:	PUB/PV PUBLIC PAVED
Size:	07 = 7.001 TO 14.000 ACRES
Land Type:	01 = INDUSTRIAL
District:	ONTARIO
Resp Group:	D = REAL PROPERTY
RespnUnit:	IND = INDUSTRIAL ZONE OR USE

Owner

Owner 1:	FLEET RV & BOAT STORAGE LLC
Owner 2:	C/O ELLEN HEGWER
Effective Date:	09/18/2015

Current Owners

Name	R/I	% Int	Type	Acquisition Date	Document Date	Inactive Date	Document Nbrs
FLEET RV & BOAT STORAGE LLC	SO = SOLE OWNER	100.0000	B = BILLED OWNER	03/25/2009	09/18/2015	NONE	20150407599

Legal Tract Map

Tract	Lot	Block	Unit	Book	Page

Legal Description

Legal Description
THE LAND SHOWN ON CERTIFICATE OF COMPLIANCE NO. CC15-006 RECORDED MAY 13, 2015 AS INSTRUMENT NO. 2015-0198030 AND RE-RECORDED JULY 22, 2015 AS INSTRUMENT NO. 2015-0310739, BOTH OF OFFICIAL RECORDS OF SAN BERNARDINO COUNTY, CALIFORNIA. ALSO DESCRIBED IN THE DOCUMENT AS FOLLOWS:PARCEL 1 OF PARCEL MAP 11929 PER MAP RECORDED IN BOOK 152, PAGES 83 THROUGH 84, INCLUSIVE, RECORDS OF SAID COUNTY TOGETHER WITH PARCEL 1 OF LLA14-009 PER DOCUMENT RECORDED DECEMBER 16, 2014 AS INSTRUMENT NO. 2014-0478738, RECORDS OF SAID COUNTY

Legal Reason For Change

Legal Reason For Change	Document Number	Recorded Date
LLA = LOT LINE ADJUSTMENT	20140478738	12/16/2014
LLA = LOT LINE ADJUSTMENT	20150150444	04/16/2015
COC = CERTIFICATE OF COMPLIANCE	20150198030	05/13/2015
COC = CERTIFICATE OF COMPLIANCE	20150203578	05/18/2015
COC = CERTIFICATE OF COMPLIANCE	20150310739	07/22/2015

Roll Values History

Roll Year	TRA	Supplement	Corrected Date	Corrected Code	Billed Owner	Joint Owner	Land Value	Improvement Value	Improvement Penalty	Personal Property Value	Personal Property Penalty	Total Penalties
2021	4083	NO			FLEET RV & BOAT STORAGE LLC		$1,640,567	$2,492,701	0	$0	$0	$0
2020	4083	NO			FLEET RV & BOAT STORAGE LLC		$1,623,745	$2,467,141	0	$0	$0	$0
2019	4083	NO			FLEET RV & BOAT STORAGE LLC		$1,591,907	$2,418,766	0	$0	$0	$0
2018	4083	NO			FLEET RV & BOAT STORAGE LLC		$1,560,693	$2,371,339	0	$0	$0	$0
2017	4083	NO			FLEET RV & BOAT STORAGE LLC		$1,530,091	$2,324,842	0	$0	$0	$0
2016	4083	NO			FLEET RV & BOAT STORAGE LLC		$1,500,089	$2,279,257	0	$0	$0	$0

Parcel History

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
09/18/2015	INACTIVATE - COMBINED	YES	1049181080000 OLD-COM
09/18/2015	CREATE - COMBINATION	YES	1049181140000 NEW-COM
09/18/2015	INACTIVATE - COMBINED	YES	1049181040000 OLD-COM
09/18/2015	INACTIVATE - COMBINED	YES	1049181060000 OLD-COM

Owner History

Name	R/I	% Int	Type	Acquisition Date	Document Date	OrigInactive Date	Document Number
FLEET RV & BOAT STORAGE LLC	SO = SOLE OWNER	100.0000	B = BILLED OWNER	03/25/2009	09/18/2015	NONE	20150407599

Land Characteristics

Effective Date From:	09/18/2015
Effective Date to:	Present
Zoning:	M3
Lot Width:	0.00
Lot Depth:	0.00
Footage:	438,154
Gross Acre:	10.059
Net Acre:	0
Access:	1 = PUBLIC PAVED
Slope Dir:	0 = NONE
Slope Degree:	0 = LEVEL
View Quality:	0 = NONE
View Type:	0 = NONE
Sewer:	1 = PUBLIC
Water:	1 = PUBLIC
Elec.:	2 = OVERHEAD
Gas:	1 = PUBLIC
Offsite:	1 = FULL (C&G, SIDEWALK, STREET LIGHTS)
Enc/Eas:	0 = NONE
Nuisance1:	0 = NONE
Nuisance2:	0 = NONE
Spc Infl1:	0 = NONE
Spc Infl2:	0 = NONE
Dock Rts:	0 = NONE
Lease Exp:	

Other Characteristics

Effective Date From:	09/18/2015
Effective Date to:	Present
Sequence:	1
Location:	
AddressIn1:	
AddressIn2:	
Use:	0113 = LIGHT INDUSTRIAL
Struc Quality:	A
Struc Type:	C
Gro Lease:	20,000
Net Lease:	20,000
Const. Year:	2000
Eff Year:	2000
Nbr Units:	1
Adj. SF Units:	0
# Stories:	0
Story Height:	0
Elevator:	0
Land Scape:	-
Func. Obs:	0 = NONE
Adj LB Rate:	0
Lease Exp:	
Apt 1 Units:	0
Apt 1 Bdrm:	0
Apt 1 Bath:	0
Apt 2 Units:	0
Apt 2 Bdrm:	0
Apt 2 Bath:	0
Apt 3 Units:	0
Apt 3 Bdrm:	0
Apt 3 Bath:	0
Apt 4 Units:	0
Apt 4 Bdrm:	0
Apt 4 Bath:	0
Apt 5 Units:	0
Apt 5 Bdrm:	0
Apt 5 Bath:	0
Garage:	0
Car Port:	0
Open Spaces:	0
RV Spaces:	0
Laundry:	-
Apt Pool:	-
Apt Spa:	-
Tennis:	-
Security Gate:	-
Office Percent:	0
Mezz SQF:	0

Restaurant:	-
Hotel Pool:	-
Hotel Spa:	-
Conf. Room:	-

Effective Date From:	09/18/2015
Effective Date to:	Present
Sequence:	2
Location:	
AddressIn1:	
AddressIn2:	
Use:	0113 = LIGHT INDUSTRIAL
Struc Quality:	A
Struc Type:	S
Gro Lease:	33,080
Net Lease:	33,080
Const. Year:	1956
Eff Year:	1956
Nbr Units:	1
Adj. SF Units:	0
# Stories:	0
Story Height:	0
Elevator:	0
Land Scape:	-
Func. Obs:	0 = NONE
Adj LB Rate:	0
Lease Exp:	
Apt 1 Units:	0
Apt 1 Bdrm:	0
Apt 1 Bath:	0
Apt 2 Units:	0
Apt 2 Bdrm:	0
Apt 2 Bath:	0
Apt 3 Units:	0
Apt 3 Bdrm:	0
Apt 3 Bath:	0
Apt 4 Units:	0
Apt 4 Bdrm:	0
Apt 4 Bath:	0
Apt 5 Units:	0
Apt 5 Bdrm:	0
Apt 5 Bath:	0
Garage:	0
Car Port:	0
Open Spaces:	0
RV Spaces:	0
Laundry:	-
Apt Pool:	-
Apt Spa:	-

Tennis:	-
Security Gate:	-
Office Percent:	0
Mezz SQF:	0
Restaurant:	-
Hotel Pool:	-
Hotel Spa:	-
Conf. Room:	-

Effective Date From:	09/18/2015
Effective Date to:	Present
Sequence:	3
Location:	
AddressIn1:	
AddressIn2:	
Use:	0113 = LIGHT INDUSTRIAL
Struc Quality:	A
Struc Type:	C
Gro Lease:	21,743
Net Lease:	21,743
Const. Year:	1947
Eff Year:	1947
Nbr Units:	1
Adj. SF Units:	0
# Stories:	0
Story Height:	0
Elevator:	0
Land Scape:	-
Func. Obs:	0 = NONE
Adj LB Rate:	0
Lease Exp:	
Apt 1 Units:	0
Apt 1 Bdrm:	0
Apt 1 Bath:	0
Apt 2 Units:	0
Apt 2 Bdrm:	0
Apt 2 Bath:	0
Apt 3 Units:	0
Apt 3 Bdrm:	0
Apt 3 Bath:	0
Apt 4 Units:	0
Apt 4 Bdrm:	0
Apt 4 Bath:	0
Apt 5 Units:	0
Apt 5 Bdrm:	0
Apt 5 Bath:	0
Garage:	0
Car Port:	0
Open Spaces:	0

RV Spaces:	0
Laundry:	-
Apt Pool:	-
Apt Spa:	-
Tennis:	-
Security Gate:	-
Office Percent:	0
Mezz SQF:	0
Restaurant:	-
Hotel Pool:	-
Hotel Spa:	-
Conf. Room:	-

Effective Date From:	09/18/2015
Effective Date to:	Present
Sequence:	4
Location:	
AddressIn1:	
AddressIn2:	
Use:	0110 = INDUSTRIAL LOFT
Struc Quality:	A
Struc Type:	S
Gro Lease:	2,480
Net Lease:	2,480
Const. Year:	1956
Eff Year:	1956
Nbr Units:	1
Adj. SF Units:	0
# Stories:	0
Story Height:	0
Elevator:	0
Land Scape:	-
Func. Obs:	0 = NONE
Adj LB Rate:	0
Lease Exp:	
Apt 1 Units:	0
Apt 1 Bdrm:	0
Apt 1 Bath:	0
Apt 2 Units:	0
Apt 2 Bdrm:	0
Apt 2 Bath:	0
Apt 3 Units:	0
Apt 3 Bdrm:	0
Apt 3 Bath:	0
Apt 4 Units:	0
Apt 4 Bdrm:	0
Apt 4 Bath:	0
Apt 5 Units:	0
Apt 5 Bdrm:	0

Apt 5 Bath:	0
Garage:	0
Car Port:	0
Open Spaces:	0
RV Spaces:	0
Laundry:	-
Apt Pool:	-
Apt Spa:	-
Tennis:	-
Security Gate:	-
Office Percent:	0
Mezz SQF:	0
Restaurant:	-
Hotel Pool:	-
Hotel Spa:	-
Conf. Room:	-

Effective Date From:	09/18/2015
Effective Date to:	Present
Sequence:	5
Location:	
AddressIn1:	
AddressIn2:	
Use:	0113 = LIGHT INDUSTRIAL
Struc Quality:	A
Struc Type:	S
Gro Lease:	1,152
Net Lease:	1,152
Const. Year:	1959
Eff Year:	1959
Nbr Units:	1
Adj. SF Units:	0
# Stories:	0
Story Height:	0
Elevator:	0
Land Scape:	-
Func. Obs:	0 = NONE
Adj LB Rate:	0
Lease Exp:	
Apt 1 Units:	0
Apt 1 Bdrm:	0
Apt 1 Bath:	0
Apt 2 Units:	0
Apt 2 Bdrm:	0
Apt 2 Bath:	0
Apt 3 Units:	0
Apt 3 Bdrm:	0
Apt 3 Bath:	0
Apt 4 Units:	0

Apt 4 Bdrm:	0
Apt 4 Bath:	0
Apt 5 Units:	0
Apt 5 Bdrm:	0
Apt 5 Bath:	0
Garage:	0
Car Port:	0
Open Spaces:	0
RV Spaces:	0
Laundry:	-
Apt Pool:	-
Apt Spa:	-
Tennis:	-
Security Gate:	-
Office Percent:	0
Mezz SQF:	0
Restaurant:	-
Hotel Pool:	-
Hotel Spa:	-
Conf. Room:	-

Effective Date From:	09/18/2015
Effective Date to:	Present
Sequence:	6
Location:	
AddressIn1:	
AddressIn2:	
Use:	0210 = GENERAL OFFICE
Struc Quality:	A
Struc Type:	C
Gro Lease:	5,107
Net Lease:	5,107
Const. Year:	1959
Eff Year:	1959
Nbr Units:	1
Adj. SF Units:	0
# Stories:	0
Story Height:	0
Elevator:	0
Land Scape:	-
Func. Obs:	0 = NONE
Adj LB Rate:	0
Lease Exp:	
Apt 1 Units:	0
Apt 1 Bdrm:	0
Apt 1 Bath:	0
Apt 2 Units:	0
Apt 2 Bdrm:	0
Apt 2 Bath:	0

Apt 3 Units:	0
Apt 3 Bdrm:	0
Apt 3 Bath:	0
Apt 4 Units:	0
Apt 4 Bdrm:	0
Apt 4 Bath:	0
Apt 5 Units:	0
Apt 5 Bdrm:	0
Apt 5 Bath:	0
Garage:	0
Car Port:	0
Open Spaces:	0
RV Spaces:	0
Laundry:	-
Apt Pool:	-
Apt Spa:	-
Tennis:	-
Security Gate:	-
Office Percent:	0
Mezz SQF:	0
Restaurant:	-
Hotel Pool:	-
Hotel Spa:	-
Conf. Room:	-

San Bernardino County Assessor-Recorder-Clerk Parcel Information Management System

APPENDIX D

Aerial Photographs

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**2018** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**2012** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**2009** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**2005** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1994

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**1985** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**1980** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1976

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1974

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1968

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1966

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**1952** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1948

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

Site boundaries shown in red are approximate

Ontario CA 627 South Bon View Avenue Ontario, CA	N	**1946** HIG Project # 2058115 Client Project # 227703324 Approximate Scale 1: 6,000 (1"=500') www.historicalinfo.com	HIG

Site boundaries shown in red are approximate

Ontario CA
627 South Bon View Avenue
Ontario, CA

N

1938

HIG Project # 2058115
Client Project # 227703324
Approximate Scale 1: 6,000 (1"=500')
www.historicalinfo.com

APPENDIX E

City Directories

Research Summary for City Directory Abstract

Site Location
Ontario CA
627 South Bon View Avenue
Ontario, CA

Conducted For
Stantec Consulting Services Inc.
2080 Wooddale Drive
Woodbury, MN

HIG Project #
2058115
Client Project #
227703324
Date Created
12/09/2021

Historical Information Gatherers

HIG has produced a city directory abstract for one or more streets associated with the site location indicated above. The publications used to create the CD Abstract are listed below.

The information below is taken directly from the city directory books. The following are definitions as they are found in the Haines books:

XXXX = is no phone, no people or non-published phone.

600 XXXX = Correct address only. No other information.

X Streetname = intersecting cross street

Publication year, publisher and title

2011 Haines San Bernardino County

2006 Haines San Bernardino

2001 Haines San Bernardino

1996 Haines San Bernardino

1991 Haines San Bernardino

1986 Haines San Bernardino

1981 Haines Riverside - San Bernardino

1976 Haines Riverside - San Bernardino

1971 Haines Riverside - San Bernardino

Abstract Section 1- This section includes the city directory data sorted by address.

402 South Bon View Avenue	
2011	XXXX
2006	FRANCO AUTMOTIVE
2001	CROCKER Gina
1996	XXXX
1991	NICKS AUTO BODY
1986	MONNEY J J GENL CNT
1981	XXXX
1976	KENCO DISTRIBUTING
404 South Bon View Avenue	
2011	XXXX
2001	XXXX
1996	NICKS AUTO BODY
406 South Bon View Avenue	
2011	XXXX
2006	M & H BODY SHOP & PAINT
1971	W R&P TRANSPORT SV
408 South Bon View Avenue	
2011	ESP ADAS ORNAMENTAL IRON
2006	BASELINE TERMITES
2006	ESPADAS ORNAMENTAL IRON
2006	M B A AUTO BODY & PAINT
2001	JIM S AUTO DETAIL
1996	A&l AUTO BODY RPR
1991	CLEAN MACHINE
1986	CLEAN MACHINE
1981	SOUTH COAST FRAMERS
1976	TEMCO
409 South Bon View Avenue	
2011	CASTRO’S BRAKE & SUSPENSION
2006	TARAUMARA AUTO REPAIR
2001	JALISCO QUALITY PRODUCTS
2001	RAFAEL S APPLIANCE REPAIR
2001	STRANIERI Vincent
1996	RAFAELLS APPLNC RPR

1991	ALL REFRIG&APPLNC
1991	AUTO REPAIR OLIVERO
1986	THOMAS NEW&USD FURN
1981	STOKES MACHINE CO
1976	CARLEEN APPARELS
1971	ALDEN LEEDS INC

410 South Bon View Avenue

2011	XXXX
2006	SUPER MARIO S WELDING
2001	JESSE AUTO PAINT SH
1996	JESE AUTO PAINT SH
1991	SCHMIED Brian
1986	CA TOOL&DIE CO
1981	CALIF TOOL&DIE CO

412 South Bon View Avenue

2011	QUALCHEM
2006	PRISCO
2001	QUALCHEM
1996	XXXX
1991	DOOLIN Roy
1986	XXXX
1981	BIRCHEFF LOU Y

414 South Bon View Avenue

2011	RON’S UPHOLSTERY
2006	ER GRANTE & TILE
2001	XXXX
1996	ROOSES TRADING PST
1991	ALEX BINDERY
1986	ALEX BINDERY
1981	OGDEN MFG
1976	OGDEN MFG

416 South Bon View Avenue

2011	HUERTAS Francisco
2006	PRIMOS CYLINDER HEAD
2001	XXXX
1996	XXXX

1991	BUDGET WELDING
1986	XXXX
1981	XXXX
1976	MR WHEEL

418 South Bon View Avenue

2011	XXXX
2001	GRAFF W K CO
1996	GRAFF W CO RFRG SV
1996	GRAFFF W K CO
1996	GRAFF W K REFRIG SV
1991	I M PARTS CO
1991	W K GRAFF CO
1986	SOLAR SYSTEMS SOUTH
1981	SOLAR SYSTEMS SOUTH

419 South Bon View Avenue

2001	VALDEZ Lupe
1996	XXXX
1991	MONDRAGON Pedro
1986	GEORGELIN EDW J
1981	GEORGELIN EDW J
1976	GEORGELIN EDW J
1971	GEORGELIN EDW J

420 South Bon View Avenue

2011	XXXX
2001	XXXX
1996	GURROLAS PAINT SHP
1991	K BARR MFG
1981	XXXX

424 South Bon View Avenue

2011	MEDINA’S AUTO BODY SHOP
2006	MEDINA S AUTO BODY SHOP
2001	MEDINAS AUTO BODY SHOP
1996	MEDINAS ATO BODY SH
1991	ACRI TECH PLASTICS
1986	ACRI TECH PLASTICS
1981	ACRI TECH PLASTICS

1976	SEIS AMIGOS IMPORT
435 South Bon View Avenue	
2011	INNOVATIVE Food Source
2011	SHARKIES COLLECTIONS INC
2006	INNOVATV FOOD SOURCE
2006	THE MEAT WAREHOUSE
2001	XXXX
1996	XXXX
1991	A A A PLUMBING
1986	XXXX
1981	XXXX
509 South Bon View Avenue	
2006	XXXX
2001	AREAGA Elsa A
2001	SANCHEZ Javier
614 South Bon View Avenue	
2001	HOWELL David
1996	XXXX
1991	XXXX
1986	ALUM ALLOY CO
1981	ALUM ALLOY CO
1976	ALUM ALLOY CO
1971	ALUM ALLOY CO
620 South Bon View Avenue	
2011	HORN Ron
2011	HORN1ST Ronald
2006	HORN CORE SHOP
2001	HORN CORE SHOP
2001	HORN Jeanne
1996	HORN CORE SHOP
1991	HORN CORE SHOP
1986	HORN CORE SHOP
1981	HORN CORE SHOP
1976	HORN CORE SHOP
1971	HORN CORE SHOP
621 South Bon View Avenue	

2011	ABC WINDOWS CO
2011	AVR EXPRESS
2006	ABC WINDOWS CO
2001	ABC WINDOWS CO
2001	HEGWER Raymond
2001	PRODUCTION AUGERS INC
1996	ABC PRODUCTS CO
1996	PRODUCTION AUGERS
1991	A B C PRODUCTS CO
1986	BESTILE MFG CO
1981	BESTILE MFG CO
1976	BESTILE MFG CO
1971	BESTILE MFG CO
627 South Bon View Avenue	
2011	FLEET RV & BOAT STORAGE
628 South Bon View Avenue	
2011	MIKE'S SPECIALTIES
2006	MIKE S SPEICILTIES
2001	MIKESSPECIALTIES
2001	THOMPSON Ronald
1996	MIKES SPECIALTIES
1991	MNIKES SPECIATIES
1986	MIKES SPECIATIES
1981	NIKES SPECIALTIES
1976	MARIONS SPECIALTIES
1971	MARIONS SPECIALTIES
630 South Bon View Avenue	
2011	XXXX
2001	ABSOLUTE CUSTOM WOODWORKING
2001	THOMPSON Ronald
1996	RELIABLE RL EST SGN
1991	QUALITY IRON WORKS
1986	QUALITY ORNMNTL WRK
1981	CUSTOM FENCE&CONCR
1981	QUALITY ORNMNTL IRN
1976	GARCO TRAILER PARTS
1971	GARCO TRAILER PARTS

639 South Bon View Avenue	
2001	XXXX
714 South Bon View Avenue	
2001	XXXX
1996	XXXX
1991	XXXX
1986	XXXX
1981	LINO JUAN
1976	CASTRO DAVID
1971	CAMPBELL DONALD R
716 South Bon View Avenue	
2011	DRACO HYGIENIC PRODUCTS
2006	GLENCO MFG
2001	GLENCO MFG
2001	HOROWITZ Jerry
1996	GLENCO MFG
1991	XXXX
1986	XXXX
1981	SPOT THE
1976	SPOT THE
1971	MCGOWEN MACK
1971	SPOT THE
724 South Bon View Avenue	
2011	ALGER MANUFACTURING
2011	ALGER MFG CO INC PHONE
2001	ALGER MFG CO
2001	ATHANOR GROUP INC
1996	ALGER MFG CO
1991	XXXX
1986	XXXX
1981	XXXX
1976	ALGER MFG CC
728 South Bon View Avenue	
2001	XXXX
1996	XXXX
1991	ALGER MFG CO
1986	ALGER MFG CO

1981	ALGER MFG CO
1971	ALGER MFG CO

Abstract Section 2: This section includes the city directory data sorted by the year the city directory was published.

2011	
	X E STATE ST
402	XXXX
404	XXXX
406	XXXX
408	ESP ADAS ORNAMENTAL IRON
409	CASTRO'S BRAKE & SUSPENSION
410	XXXX
412	QUALCHEM
414	RON'S UPHOLSTERY
416	HUERTAS Francisco
418	XXXX
420	XXXX
424	MEDINA'S AUTO BODY SHOP
	X E WASHINGTON ST
435	INNOVATIVE Food Source
435	SHARKIES COLLECTIONS INC
	X E ONTARIO BLVD
	X E SUNKIST ST
620	HORN Ron
620	HORN1ST Ronald
621	ABC WINDOWS CO
621	AVR EXPRESS
627	FLEET RV & BOAT STORAGE
628	MIKE'S SPECIALTIES
630	XXXX
716	DRACO HYGIENIC PRODUCTS
724	ALGER MANUFACTURING
724	ALGER MFG CO INC PHONE
2006	
	X E STATE ST
402	FRANCO AUTMOTIVE

406	M & H BODY SHOP & PAINT
408	BASELINE TERMITES
408	ESPADAS ORNAMENTAL IRON
408	M B A AUTO BODY & PAINT
409	TARAUMARA AUTO REPAIR
410	SUPER MARIO S WELDING
412	PRISCO
414	ER GRANTE & TILE
416	PRIMOS CYLINDER HEAD
424	MEDINA S AUTO BODY SHOP
	X E WASHINGTON ST
435	INNOVATV FOOD SOURCE
435	THE MEAT WAREHOUSE
	X E ONTARIO BLVD
509	XXXX
	X E SUNKIST ST
620	HORN CORE SHOP
621	ABC WINDOWS CO
628	MIKE S SPEICILTIES
716	GLENCO MFG
	X E CALIFORNIA ST
2001	
	X STATE E
402	CROCKER Gina
404	XXXX
408	JIM S AUTO DETAIL
409	JALISCO QUALITY PRODUCTS
409	RAFAEL S APPLIANCE REPAIR
409	STRANIERI Vincent
410	JESSE AUTO PAINT SH
412	QUALCHEM
414	XXXX
416	XXXX
418	GRAFF W K CO
419	VALDEZ Lupe
420	XXXX
424	MEDINAS AUTO BODY SHOP

	X WASHINGTON E
435	XXXX
	X ONTARIO BLVD E
509	AREAGA Elsa A
509	SANCHEZ Javier
614	HOWELL David
620	HORN CORE SHOP
620	HORN Jeanne
621	ABC WINDOWS CO
621	HEGWER Raymond
621	PRODUCTION AUGERS INC
628	MIKESSPECIALTIES
628	THOMPSON Ronald
630	ABSOLUTE CUSTOM WOODWORKING
630	THOMPSON Ronald
639	XXXX
714	XXXX
716	GLENCO MFG
716	HOROWITZ Jerry
724	ALGER MFG CO
724	ATHANOR GROUP INC
728	XXXX
1996	
402	XXXX
404	NICKS AUTO BODY
408	A&l AUTO BODY RPR
409	RAFAELLS APPLNC RPR
410	JESE AUTO PAINT SH
412	XXXX
414	ROOSES TRADING PST
416	XXXX
418	GRAFF W CO RFRG SV
418	GRAFFF W K CO
418	GRAFF W K REFRIG SV
419	XXXX
420	GURROLAS PAINT SHP
424	MEDINAS ATO BODY SH

435	XXXX
614	XXXX
620	HORN CORE SHOP
621	ABC PRODUCTS CO
621	PRODUCTION AUGERS
628	MIKES SPECIALTIES
630	RELIABLE RL EST SGN
714	XXXX
716	GLENCO MFG
724	ALGER MFG CO
728	XXXX
1991	
402	NICKS AUTO BODY
408	CLEAN MACHINE
409	ALL REFRIG&APPLNC
409	AUTO REPAIR OLIVERO
410	SCHMIED Brian
412	DOOLIN Roy
414	ALEX BINDERY
416	BUDGET WELDING
418	I M PARTS CO
418	W K GRAFF CO
419	MONDRAGON Pedro
420	K BARR MFG
424	ACRI TECH PLASTICS
435	A A A PLUMBING
614	XXXX
620	HORN CORE SHOP
621	A B C PRODUCTS CO
628	MNIKES SPECIATIES
630	QUALITY IRON WORKS
714	XXXX
716	XXXX
724	XXXX
728	ALGER MFG CO
1986	
402	MONNEY J J GENL CNT

408	CLEAN MACHINE
409	THOMAS NEW&USD FURN
410	CA TOOL&DIE CO
412	XXXX
414	ALEX BINDERY
416	XXXX
418	SOLAR SYSTEMS SOUTH
419	GEORGELIN EDW J
424	ACRI TECH PLASTICS
435	XXXX
614	ALUM ALLOY CO
620	HORN CORE SHOP
621	BESTILE MFG CO
628	MIKES SPECIATIES
630	QUALITY ORNMNTL WRK
714	XXXX
716	XXXX
724	XXXX
728	ALGER MFG CO
1981	
402	XXXX
408	SOUTH COAST FRAMERS
409	STOKES MACHINE CO
410	CALIF TOOL&DIE CO
412	BIRCHEFF LOU Y
414	OGDEN MFG
416	XXXX
418	SOLAR SYSTEMS SOUTH
419	GEORGELIN EDW J
420	XXXX
424	ACRI TECH PLASTICS
435	XXXX
614	ALUM ALLOY CO
620	HORN CORE SHOP
621	BESTILE MFG CO
628	NIKES SPECIALTIES
630	CUSTOM FENCE&CONCR

630	QUALITY ORNMNTL IRN
714	LINO JUAN
716	SPOT THE
724	XXXX
728	ALGER MFG CO
1976	
402	KENCO DISTRIBUTING
408	TEMCO
409	CARLEEN APPARELS
414	OGDEN MFG
416	MR WHEEL
419	GEORGELIN EDW J
424	SEIS AMIGOS IMPORT
614	ALUM ALLOY CO
620	HORN CORE SHOP
621	BESTILE MFG CO
628	MARIONS SPECIALTIES
630	GARCO TRAILER PARTS
714	CASTRO DAVID
716	SPOT THE
724	ALGER MFG CC
1971	
406	W R&P TRANSPORT SV
409	ALDEN LEEDS INC
419	GEORGELIN EDW J
614	ALUM ALLOY CO
620	HORN CORE SHOP
621	BESTILE MFG CO
628	MARIONS SPECIALTIES
630	GARCO TRAILER PARTS
714	CAMPBELL DONALD R
716	MCGOWEN MACK
716	SPOT THE
728	ALGER MFG CO

E BONNIE BRAE CT (CONT'D)

541 *Grant DK 984-9596
542 *Wensel Dale 2 986-0765
547 *Orr EL 2 986-5041
548 *Weber CS 2 986-8005
553 *Onstott JA 1 986-4832
554 *Anderson RE 986-4393
558 *Steffler Wayne 986-4959
559 *Johnson WR 4 986-1268
563 *Cagle JE Mrs 2 986-8678
564 *Higgs RE 1 986-9816
603 Olinger JF
604 *Smith JC 986-6509
610 *Franklin Harry 2
615 *Bradfute EM Mrs 984-8518
616 Bishop JC 6 986-9842
621 *Matser Jan
622 *Albin JC 2 984-4930
623 Vacant
627 *Pittenger JL 1 984-2313
628 *Ellison Kay 986-2485
633 Dorst Elva 986-5789
634 *Johnson RC 2 986-8514
639 Tidwell JA Mrs 986-8693
640 *Underwood GM 1 986-4288
645 *Dee JO 2 984-6534
646 *Teague EH 3
651 *Bassett Murry 986-8238
652 *Welch JF Jr 2 986-7703
657 *Blades CR 2 986-5130
658 *Bender RW 2
663 *Garrison GE 4 984-6031
664 Phares DE 1 984-9600
668 Am Driving Club ... 986-4836
669 American Driving Club 986-4836
669 *Halgren DA 2 986-4836
670 *Houghton Eliz 8 986-5503
702 *Boyle WH 986-7453
703 *Cox Marie 1 984-5862
706 *Holtz RF 3 986-4133
707 *Sagle JB 1 986-4213
712 *Edwards GL 986-9533
713 *Bennett EE 2 986-9813
718 *Flury RW 2 986-4340
719 Barnett WH
724 *Hurt AW 1 986-4428
725 *Henry Kathryn 986-7938
728 *Cook JR 986-4132
729 *Laponis JJ 3 986-9974
734 *Hooker JG 2 986-4224
735 *Click JM Mrs 986-5135
740 *Schroeder RH 1 986-2593
741 Bybee RC pntng contr 986-4319
741 Bybee RC 986-4319
744 *Jackson EK 1 984-7629
745 *Ewing JC 986-4065
750 *Leeper JC 1 984-7371
751 *Rundle EE 986-4259
756 Romero HR 986-4212
757 *McCrae JS 986-5911
762 *Waller DE 3 986-4345
763 *Miller Bud 986-4053
1335 Grundy JT 2 984-5162
1336 *Davis AL 984-0424
1343 Mosca FA 5 986-3762
1344 Heathcoat WP 1 986-0581
1349 Whitworth RT 2
1350 *Whittemore WE 3 986-0022
1353 Fresta MV Mrs 5 984-1063
1354 Pitts JB 5 986-0278
1359 Friend WG 2 984-7770
1367 Vacant
1374 Vacant
1375 *Monroe LR 2 986-7685
1382 *McDonald JP 984-8933
1383 *Outrater RA 974-3723
1388 *Moreno Ralph 2 986-7625
1401 Vacant
1407 *Autio CD 4 986-2806
1408 Mororey Gail
1409 *Ayers JR 986-1734
1476 *Decker HG 1 986-0655
1477 *Kernes BL 986-5936
1482 *Cadd NL 2
1483 *Morgan WG 984-8848
1505 *Martinez RJ 2
1506 *Pritchett DD 1 986-2109
1511 *Beaver LJ
1512 *Davidian Richd
1618 *Morales AL 986-8619
1624 *Armstrong TS 3 984-5016
1630 *Hyatt BD 1 986-8823
1636 *Proulx AJ 5 986-8617
1642 *Robertson WE 3 986-7892
1648 O'Brien PJ 4
1649 *Bauman JL 1 984-9445
1655 Vacant
1656 Perryman DW 1 986-6701
1661 Vacant
1662 *Presky BJ 3
1667 Vacant
1668 *Salazar Joe 4
1673 Vacant
1674 Armijo LA 3 986-7777
1679 *Lewis FD 2 986-9461
1680 *Rollofson Martha
1685 *Clark Ronald 4 984-0172
1686 *Williams ML Mrs 986-0092
1691 *Stevens Ronald 2
1692 *Reinke HG 3 986-5918
1697 Dunlap DL 2 984-8179
1698 *Katterhagen WA 2 986-8282
1704 Lucero David
1705 Vacant
1709 *Herrera JG 5 984-0947
1712 Carter's Tree Serv ... 984-6850
1712 *Carter Dink 3 984-6850
1715 Vacant
1718 *Baker RL 2 984-7785
1721 Hare ME 5
1724 *Qualls AR 986-9865
1727 McKinny JO 986-3905
1730 *Bates MW 4 986-8546
1736 *Myers GA 3 986-0310

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BONNIE BRAE CT, W (ONT) – FROM 1375 N EUCLID AV, WEST (91762)

117 Colley CB 4
118 Monsive Madelyn 986-6922
120 *Moremen MH 984-8641
123 *Huber EJ 984-8176
126 Ulmer Fred 986-8847
131 Dorss Nicholas 984-3854
132 *Howard LaWanna Mrs 4 984-9271
201 *Wymore VE 984-7383
207 *Neaves JR 984-7483
208 *Meahl LJ 984-1157
213 *Shackelford AE 3 984-5984
214 *Anderson AL 984-3050
219 *Vogel MJ 4 986-8144
220 *James DE 986-2394
225 *Browning RE 984-3469
226 *Grimm LL 3 986-9624
231 *Bissonnette RL 984-3436
232 *Dresp Dean 984-1150

N Palm Av Ints

317 *Walker Susie 986-5240
318 *Durso RF 3 984-0357
322 Wirtmer RO Mrs 984-1197
325 *Goldsmith CA 1 986-8730
328 *Weinstock HM 984-4020
333 *Schrock NF 984-4561
334 *Hecht AL 3 986-0592
338 *Klenske Ervin 986-0653
342 *Roden EJ 984-9846
346 Anderson Durward 984-7055
347 Vacant
350 *Albrecht GJ 2 986-7595
353 *DeLinck WB 986-1831
356 *Kirkey Danl 3 986-5949
357 *Richmond DA 986-3265
364 *Parker AJ 2 984-4442

N Sultana Av Ints
N Vine Av Ints
N Pleasant Av Ints

603 *Day CH 984-9637
604 *Walker CF 1 986-7833
609 *Menard JR 4 984-0656
610 *Moore AL 2 986-7705
615 *June RH 984-8456
616 *Eller RW 2 984-8260
621 *Northrop JH 984-7062
622 *Maiorano Salvatore 984-5183
625 *Jensen Woody 984-8358
626 *Christman RL 1 986-0612
631 Olson Furman 986-6517
632 *Cook JC 4 986-1667
637 *Paul Raymond 1 984-6588
638 *Gunn WF 984-4161
643 Bridal Catering 984-5764
643 *Vance RD 3 984-5764
644 *Chapman HW 3 984-4760
649 *Bruce HC 984-7260
650 *Gaal Leslie 986-8629
655 *Harwood CM 2 986-3718
656 *McVicker JT 984-7957
661 *Hardy RH 8 984-9139
662 *Minasso JL 984-9841
667 *Zmolek HJ 2 984-8963
668 *Aungst CF 1 984-6555

N Campus Av Ints
N San Antonio Av Ints
N Berlyn Av Ints
N Granite Av Ints

802 Price CL 2 984-2594
806 *Armbruster Kenneth 2 986-2297
809 *Twydell RJ 2 986-8328
810 *Sparks SL 2 986-8978
814 *Mercer JR 4 984-9727
816 *Petsuch LL 2 986-7906
817 *Southwick DE 2 986-0284
818 *Heald EH 4 986-5987
822 *Pritchett RD 986-4105
823 *Hardesty WE 4 984-9301
826 *Preston JL 3 986-4015
827 *Bode HR 2 986-2205
830 *Cotterman SK 3 984-8428
833 *Heggem CD 3 984-9005
837 *Howland RW 3 986-9374
840 *Vaught EE 4 986-9508
843 Maiorano Anthony 984-0548
844 *Smith RE 3 986-2681
846 *Beaman GE 1 984-6379
851 *Hackmann HT 4 984-7762
852 Davis Glenn
856 *Jordan FA 1 984-6498
857 *Ruppert AC 3 984-1917
862 Verne CG Contracting Co ... 986-0361
862 *Verne CG 2 986-0361
863 *Beck WF 2
868 *Kincaid WE 2 986-4950

N Amador Av Ints

903 *Petersen OL 984-0207
906 *Blasco DE 4 986-0091
907 *Hammel ET 5 986-9978
911 *Klemens RJ 2 984-9706

N Boulder Av Ints

914 *Flamma Salvatore 3 986-7497
925 *Ferradino VA 5 984-1838
928 *Bracken GC 4 986-4246
933 *Garner DE 3 984-1413
934 *Decker Lewis 1 986-0829
939 Kimco 984-1916
939 *Kimbel WL 3 984-1916
940 *Tundis JB 3 984-5684
945 *Scandura John 2
946 *MacKnight GS 2 986-9349
951 *Toole CE 7 986-9787
954 *Gillette LR 1 986-0174
957 *Freehauf EG 2 984-8033
960 *Wykoff HO 3 984-2382
962 *Ingraham LT Mrs 1 986-2653
963 *Savage HL 2 986-7216
966 *Burnett PD 4 986-4930
969 Cunningham RN 2 986-6295

E Maitland St Ints

1004 *Gunther RL 2
1005 *Jertberg RM 3 984-9390
1010 *Johnson TL 986-6908
1011 *Beyenhof Anthony 3 986-0506
1016 *Binckley BA 984-1021
1019 *Boettcher PC 2 986-0428
1024 *Teagle FJ 4 986-8368
1025 *Olcovich TA 1 986-4007
1031 *Lloyd HS 2 986-8072
1032 *Wilberding JH 3 986-3280

N Palmetto Av Ints

1035 *King LD 4 984-5958
1042 *Ballard Harry 984-5496
1045 *Bromm Robt 1 986-8235
1050 *Ottoson HL 2 986-8582
1051 *DiCarlo Nat 986-0914
1057 *Barksdale JM 3 984-5519
1058 *Asquini AL 3 986-0901
1058 *Penseyres EF 2 986-9932
1064 *Naylor HC 1 984-8470
1065 *Henley JE 984-1948
1507 *Williams SA 3 986-5979
1508 Vacant
1511 *Land CN 2 986-6885

(*Homeowner–Digit, Children) –11

1512 *Reed JH 3 986-9386
1515 *Schneider Reiny 3 986-8579
1523 Nikodem LF 2 984-6771
1524 *Rickard LA 3 986-3227

N Jasmine Av Ints

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BON VIEW AV, S (ONT) – FROM 900 E HOLT BL, SOUTH (91761)

114 Collins' Garage 986-3118
118 Bertolet Lawrence
120 Vacant
133 Vacant

E Emperia St Ints

201 Mackey JM
202 Byars WH Roofing Co 986-0509
210 Lewis Ross
227 Vacant

E Main St Ints

316 Chucker's Mill Inc 986-1177

E State St Ints

406 Wheatley Donald 3
407 Vacant
409 Carleen's Apparels 984-7802
419 *Georgelin EJ 984-6933
435 Warehouse

E Washington St Ints
E Ontario Bl Ints (91762

509 Hernandez Alphonso

E Sunkist St Ints

614 Alum-Alloy Co 986-0410
620 Vacant
621 Bestile Manufacturing Corp ... 984-2751
628 Marion's Specialties 986-6568
630 Reliable Saw Works 984-0215
714 Vacant
716 Hod Carriers & Laborers Local . 986-6126
724 Alger Manufacturing Corp 984-2086

E California Av Ints (91761)

814 Zavella Antonio II
831 *Armendariz IS 984-3482
836 Gibson John 984-2887
837 Armendarez Mary 5 984-3482

E Mission Bl Ints

902 Sanchez Maria
907 *Navarro Jesse Mrs 984-2602
908 *Razo Josephine 986-7481
911 Vacant
916 Mijares Rudy
919 *Conley Monroe 4 986-1842
920 Garcia Henrietta 3 986-5076
923 *Joekema Louie
923 *Jimenez RV 3 986-6276
924 *Ponce Danl 986-4303
927 Ayala Edwardo 5 984-3216
931 Bon View Baptist Spanish Mission
931 Capilla Dautista Church
932 *Terrones AE 6 986-4004
1007 *Marquez BB 5 984-4889
1013 Arnett OC 3
1014 *Johnston JV 1 986-2298
1017 *Acevedo Frances 2
1023 *Mijares RA 5 986-3527
1027 Nunoz Tilla 3
1033 *Luna JD 3
1103 *Rivera JS 1
1109 Meeks WillieM Mrs 2 984-8984
1109 Bonds Tom
1111 Deloney Isadora 984-0089
1123 *Elias AA 4 986-9717
1127 *Nunez AE 3 984-0683
1133 *Fowler Claude

E Belmont St Ints

1203 Christal Earnest 983-1220
1210 Reyes Antonio 5 984-1840
1214 Gibson FH 4 986-2570
1218 Campbell DH 1
1220 Holloway BH
1224 Mills SN 2 986-7648
1228 Bishop MJ 3

E Woodlawn St Ints (91762)

1304 *DelReal Guadalupe
1314 *Payne RM 986-6448
1341 *Villalobas Frank 986-1057
1380 Ful-Cal Metal Products Inc ... 984-3816
1406 Villalobos OP 2 986-3639

Research Summary for City Directory Abstract

Site Location
Ontario CA
627 South Bon View Avenue
Ontario, CA

Conducted For
Stantec Consulting Services Inc.
2080 Wooddale Drive
Woodbury, MN

HIG Project #
2058115
Client Project #
227703324
Date Created
12/09/2021

HIG has produced a city directory abstract for one or more streets associated with the site location indicated above. The publications used to create the CD Abstract are listed below.

The information below is taken directly from the city directory books. The following are definitions as they are found in the Haines books:

XXXX = is no phone, no people or non-published phone.

600 XXXX = Correct address only. No other information.

X Streetname = intersecting cross street

Publication year, publisher and title

2011 Haines San Bernardino County

2006 Haines San Bernardino

2001 Haines San Bernardino

1996 Haines San Bernardino

1991 Haines San Bernardino

1986 Haines San Bernardino

1981 Haines Riverside - San Bernardino

1976 Haines Riverside - San Bernardino

1971 Haines Riverside - San Bernardino

Abstract Section 1- This section includes the city directory data sorted by address.

702 Ontario Boulevard	
2001	XXXX
1996	B R PRINTING
704 Ontario Boulevard	
2006	CARRENO Gonzaga
2006	RAMOS Luciana
2001	ROMERO Virgnia
1996	PEREZ Mary
708 Ontario Boulevard	
2006	GARCIA Edgar
2001	GONZALEZ Cruz
1996	XXXX
1991	TEJEDA AURORE
1986	XXXX
710 Ontario Boulevard	
2001	XXXX
1996	XXXX
738 Ontario Boulevard	
2011	FIGUEROA Jose
2001	FIGUEROA Jose
1991	RELIABLE RE SIGNS
1981	CO SB MNTL HLTH
1981	METHADONE MNTC CLNC
1981	OUTPATNT DETOXFCTN
1981	WEST END METHADONE
1976	WEST END DRUG CNCL
1971	WHITE JAMES OIL CO
758 Ontario Boulevard	
2011	FAIRCHILD PLMBNG&MCHNCL INC
2006	FAIRCHILD Meredith
2001	FAIRCHILD Meredith
1981	GUGGER PALL
1976	ANDERSON J
1971	CARRION FELIPA
762 Ontario Boulevard	

2011	NAVARRO Eloy
2006	NAVARRO Anna
2001	NAVARRO Elroy A
1996	NAVARRO Elroy A
1991	NAVARRO Elroy A
1986	NAVARRO ELROY A
1981	NAVARRO ELROY A
1976	NAVARRO ELROY A
764 Ontario Boulevard	
2011	NAVARRO Irineo
2006	NAVARRO Inneo
2001	NAVARRO Irineo
1996	XXXX
1991	XXXX
1986	XXXX
1981	DOMINGUEZ RUBEN
1976	NAVARRO MANUEL
802 Ontario Boulevard	
2011	PAC AUTO WRECKING
2006	PAC AUTO WRECKING
2001	LUONG Hank
1996	EASTRN AUTO
1991	XXXX
1986	AL&SONS AUTO WRCKRS
1986	G&R AUTO WRECKERS
1986	GATICA ALONZO L
1981	AL&SONS AUTO WRCKRS
1981	G&R AUTO WRECKERS
1981	GATICA ALONZO L
1976	AL&SONS AUTO WRCKRS
1976	GATICA ALONZO L
1971	AL&SONS AUTO WRCKRS
1971	GATICA ALONZO L
810 Ontario Boulevard	
2001	LUONG Hank
828 Ontario Boulevard	

2001	XXXX
1996	XXXX
1991	XXXX
1986	XXXX
1981	XXXX
1976	POLLOCK STANLEY I
842 Ontario Boulevard	
2011	GARCIA Kathy
2006	GARCIA Carlos
2001	GARCIA Carlos
854 Ontario Boulevard	
2011	MCFADDEN Hilda
2006	MCFADDEN Hilda
2001	MCFADDEN Hilda
1996	MCFADDEN Hilda
1991	MCFADDEN Everett L
1986	MCFADDEN EVERETT L
1981	MCFADDEN EVERETT L
1976	MCFADDEN EVERETT L
1971	MCFADDEN EVERET L
890 Ontario Boulevard	
2011	CINCO IRON WORKS INC
2006	CINCO IRON WORKS INC
902 Ontario Boulevard	
2006	XXXX
2001	XXXX
1996	XXXX
1991	ARCADIA Jose
1060 Ontario Boulevard	
2011	KLC TRANSPORTATION INC
1080 Ontario Boulevard	
2011	KING EQUIPMENT LLC
1128 Ontario Boulevard	
2011	PATTISON Albert
1981	WILKINSON LEONARD V
1976	WILKINSON LEONARD V

1971	WILKINSON LEONARD V
1240 Ontario Boulevard	
2001	PETERSON Helen
1250 Ontario Boulevard	
2011	BLAZE CONE COMPANY INC
2006	BLAZE CONE COMPANY INC
2001	A&B REFLECTORIZING
1996	A&B REFLECTORIZING
1991	A&B REFLECTORIZING
1986	A&B REFLECTORIZING
1981	A&B REFLECTORIZING
1976	A&B REFLECTORIZING
1971	CALIFORNIA FIBRE CO
1252 Ontario Boulevard	
2001	XXXX
1996	XXXX
1991	XXXX
1986	XXXX
1981	XXXX
1976	XXXX
1971	ONTARIO PBLC SCALES

Abstract Section 2: This section includes the city directory data sorted by the year the city directory was published.

2011	
738	FIGUEROA Jose
758	FAIRCHILD PLMBNG&MCHNCL INC
762	NAVARRO Eloy
764	NAVARRO Irineo
802	PAC AUTO WRECKING
842	GARCIA Kathy
854	MCFADDEN Hilda
890	CINCO IRON WORKS INC
1060	KLC TRANSPORTATION INC
1080	KING EQUIPMENT LLC
1128	PATTISON Albert
1250	BLAZE CONE COMPANY INC

2006	
704	CARRENO Gonzaga
704	RAMOS Luciana
708	GARCIA Edgar
758	FAIRCHILD Meredith
762	NAVARRO Anna
764	NAVARRO Inneo
802	PAC AUTO WRECKING
842	GARCIA Carlos
854	MCFADDEN Hilda
890	CINCO IRON WORKS INC
902	XXXX
1250	BLAZE CONE COMPANY INC
2001	
702	XXXX
704	ROMERO Virgnia
708	GONZALEZ Cruz
710	XXXX
738	FIGUEROA Jose
758	FAIRCHILD Meredith
762	NAVARRO Elroy A
764	NAVARRO Irineo
802	LUONG Hank
810	LUONG Hank
828	XXXX
842	GARCIA Carlos
854	MCFADDEN Hilda
902	XXXX
1240	PETERSON Helen
1250	A&B REFLECTORIZING
1252	XXXX
1996	
702	B R PRINTING
704	PEREZ Mary
708	XXXX
710	XXXX
762	NAVARRO Elroy A

764	XXXX
802	EASTRN AUTO
828	XXXX
854	MCFADDEN Hilda
902	XXXX
1250	A&B REFLECTORIZING
1252	XXXX
1991	
708	TEJEDA AURORE
738	RELIABLE RE SIGNS
762	NAVARRO Elroy A
764	XXXX
802	XXXX
828	XXXX
854	MCFADDEN Everett L
902	ARCADIA Jose
1250	A&B REFLECTORIZING
1252	XXXX
1986	
708	XXXX
762	NAVARRO ELROY A
764	XXXX
802	AL&SONS AUTO WRCKRS
802	G&R AUTO WRECKERS
802	GATICA ALONZO L
828	XXXX
854	MCFADDEN EVERETT L
1250	A&B REFLECTORIZING
1252	XXXX
1981	
738	CO SB MNTL HLTH
738	METHADONE MNTC CLNC
738	OUTPATNT DETOXFCTN
738	WEST END METHADONE
758	GUGGER PALL
762	NAVARRO ELROY A
764	DOMINGUEZ RUBEN

802	AL&SONS AUTO WRCKRS
802	G&R AUTO WRECKERS
802	GATICA ALONZO L
828	XXXX
854	MCFADDEN EVERETT L
1128	WILKINSON LEONARD V
1250	A&B REFLECTORIZING
1252	XXXX
1976	
738	WEST END DRUG CNCL
758	ANDERSON J
762	NAVARRO ELROY A
764	NAVARRO MANUEL
802	AL&SONS AUTO WRCKRS
802	GATICA ALONZO L
828	POLLOCK STANLEY I
854	MCFADDEN EVERETT L
1128	WILKINSON LEONARD V
1250	A&B REFLECTORIZING
1252	XXXX
1971	
738	WHITE JAMES OIL CO
758	CARRION FELIPA
802	AL&SONS AUTO WRCKRS
802	GATICA ALONZO L
854	MCFADDEN EVERET L
1128	WILKINSON LEONARD V
1250	CALIFORNIA FIBRE CO
1252	ONTARIO PBLC SCALES

E OLIVE (CONT'D)
604 *Nazionale MM Mrs 1 982-4250
607 *Hornback Chester 982-3707
612 *Watson OD 1 982-3768
617 *Vagnozzi Alfonso 3 982-9703
620 *Martinez Angel Jr 3 982-7967
623 Goodnow WM 982-5034
623 *Vasbinder DL
626 *Shank Sarah 982-3010
633 *Blackburn GG 982-7151
634 *Hilde AJ 982-5573
642 *Somers AM 982-4510
643 *Divens DR 2 982-3711
650 *Naylor CE 982-2339
651 *Keil NA 982-7161
656 *Kellogg RE 982-2016
659 Wesley Geo
666 *Taylor Oval 1 982-5256
671 *Vagnozzi Jos 4 982-6823
674 *Syverson CS 982-0738
690 *Larsen JS 2 982-2049

S Campus Av Ints
732 Community Market 982-1417
732 *Schmuck HJ 982-1417
750 *Alvarez Jess 982-2321
751 Myers RE 3
753 Gardia RO 982-5461
754 *Warburton RV 3 986-3757
765 *Dixon AT 1 982-3738
766 *Goforth HA 1 982-1128
777 *Herrera Ignacio 982-3786
780 *Fulton VH 1 982-4258
796 *Taylor EF Mrs 982-4959
797 *Hostetler GM 982-2682
815 *Oakey RW 982-5343
816 Vacant
824 *Thornton LE 3
835 *Priest David 982-0374
840 Cope Eug 2 982-7475
851 *Poole Fred Jr 2 982-4256
865 *Graham JA 982-5656
870 *Halsey GJ Mrs 982-9725
879 *Taylor EL Mrs 982-5882
884 *Taylor ME 7 982-6801

N Berlyn Av Ints
910 *Moser TL 1 982-1024
936 Vacant
957 *Ridenour JA 1
960 *Quackenbush PD 982-9221
977 *Padilla AR 3 982-0413
978 *Jakus Mary 982-0225
1000 *Nixon LG 2 985-1243
1001 Boswell JW
1008 *Munoz GR 2 982-8301
1011 *Hile GA 1 982-9515
1024 *Shore PC 1 982-2182
1025 *Mallard Glennys 5 982-7232
1038 *Wadleigh ES 982-3023
1043 *Stidham GR 3 982-8202
1060 Fisher JS 982-6994
1061 *Scarpelli RR 4 982-7386
1076 Gilmore LE
1081 *Conard CE 1 982-7998

O'MALLEY, N (UPL) – FROM APPROX 800 W 17TH, NORTH (91786)
1704 *Davis MV 985-1470
1710 Vacant
1714 *Inville KN 4 982-5148
1722 Vacant
1727 *Gustis GA 5 982-1070
1728 Vacant
1735 Vacant
1736 *Chritton VV 6
1741 Vacant
1742 Vacant
1747 *Hyatt RK 4
1748 Vacant
1754 Vacant
1753 *Strope RB 4 982-7689
1759 *Guth PJ 3 982-1121
1760 *Burtman LP 1 982-2887
1764 *McElwain RL 982-7656
1765 Vacant
1771 Vacant
1772 *Olson KO 9 982-6952
1778 Vacant
1779 Vacant
1784 *Bell LW Jr 982-8562
1785 *Lovelace Wm 6 982-6107
1790 *Voelker CA 982-5797
1791 Vacant
1796 *Spalding RA 3 982-9885
1797 Luther JA 982-7314

O'NEIL, W (UPL) – FROM APPROX 1704 N O'MALLEY, WEST (91786)
1074 *Ashcraft DR 982-9742
1086 *Faletto HF 2 982-7720
1098 Vacant
1110 *Bickett DV 3 982-8270
1120 *Hoekwater HJ 3 982-0807
1134 Vacant
1146 *Buck FL 2
1158 *Becker RN 1 985-1009
1170 *Bennett Roger
1176 *Blaine WH 1

ONTARIO BL, E (ONT) – FROM 400 S CAMPUS AV, SOUTHEAST (91761)
704 *Perez JV 984-6810
708 Freeman JL
710 Bates Bob 984-5666

S Caldwell Av Ints
738 White James Oil Co 984-1261
750 *Chastain CM 986-5019
758 Rogers RH 1 986-5386
762 Rider Bl Mrs 1 986-3274
764 *Ramey MM Mrs 986-4967

S Taylor Av Ints
802 Al & Sons Auto Wreckers 984-8627
805 Vacant
810 Vacant
842 *Garcia CB 9

S Hope Av Ints
854 *McFadden EL 2 986-5207

S Bon View Av Ints
902 Bonview Metals & Salvage 986-1996 (91762)
1128 Wilkinson LV 984-9424

E California St Ints
1250 California Fiber Co 984-9511

OPAL CT, W (UPL) – FROM APPROX 50 S UKIAH WY, WEST (91786)
611 Young GH 982-7408
612 Hubbert DP 1 982-7208
627 Vacant
628 *Craig KK 4 982-0893
645 *McAllister DW 982-2181
660 Vacant
661 Velasquez TT 982-0880
664 *Fallon JP 2 982-0200

ORANGE AV, N (ONT) – FROM 1730 E GRANADA CT, NORTH (91762)
914 *Arthur MC 3 984-4736
918 Vacant
919 *Head RD 1
924 Vacant
927 Vacant
930 *Urich GE 2 984-7631
933 Vacant
934 Vacant
936 *Hope WV 5
939 *Palumbo Salvator 4
942 *Thorpe KD 4
945 Vacant
948 Vacant
951 *Watts CE 6
954 Vacant
1003 *Cola JR 1
1005 *Monasmith AB 4
1009 *Wilson RA 984-8412
1012 *Dennison Eug 986-1074
1015 *Williams HS 4 986-8256
1018 Vacant
1021 Vacant
1022 Vacant

ORANGE DR, E (UPL) – FROM 500 W 23RD ST, NORTH (91786)
2302 *Goede RW 982-5450
2313 *Escott CM 982-5364
2314 *Knibbe JA 1 982-7044
2318 Taylor WB
2322 Vacant
2328 *Chaffin WP 3
2334 Kalina Harold
2340 *Hult OW 982-7632
2341 *Henderson DD 982-1415
2346 *Bessey Jayl 1 982-6348
2347 *Sails AL 982-7286
2350 *Flory PM 982-7858

ORANGE DR, W (UPL) – FROM 600 W 23RD ST, NORTH (91786)
2304 *Bradford DC 1 982-4905
2305 *Foody TJ 1 982-6909
2311 *Hurley EJ 1 982-0357
2312 *VanOrnam LB 1 982-5965
2313 Escott EM Mrs 982-5364
2315 *Zellmer RB 982-8245
2316 *Marty CS 982-6708
2323 *Wildrick EL 1 982-7846
2326 *Forwalter JM 3 982-7193
2329 *Barrett JF 982-7698
2333 *Meek JC 1 982-0121
2339 *Miller VR 2
2343 *Glover Lettie 982-5790
2349 *Cogswell CL 3 982-3325

ORCHARD LN, E (ONT) – FROM 950 EAST I ST, NORTH & EAST (91762)
906 *Yodushock MH 2 984-8401
911 *Dulisse Helen 984-8789
916 *Essman AO 1 984-0423
917 *Robinson RM 3 984-1192
921 *Muncy FM Mrs 984-4995
929 *Brady Viola 986-0908
935 Taylor DL 1 984-2379
945 *Andre ER 984-1513
946 Mesler WE 3 984-8160
952 *Welch LD 2 984-8400
957 Towne Jack 984-1656
958 *Mann BJ 3 986-5649
963 *Mumm CA 1
964 *Hughes JJ 2 984-5393
967 *Denham HB 986-7406
968 *Davis WJ Mrs 984-6892
1005 *Nelson Mable 986-2407
1006 *Colbrunn Mildred 984-2116
1011 *Crow RT 986-6151
1012 Vacant
1017 *St Peter Dominic 984-5203
1018 *Hollbrook GM 6 986-3995
1023 *Clay JN 1 984-4201
1024 *Wiley JG 984-5103
1029 *Ravonet EJ 1 984-8998
1030 *Moskun PA 4 984-4291
1035 *Cliburn WA 5 984-7892
1036 *Lewandowski JI 984-8188
1043 *LaPlante GJ 5 984-4544

N La Paloma Av Ints

ORCHARD LN, N (ONT) – FROM 950 E 6TH ST, NORTH (91762)
945 Duffy Bill 984-4895
967 All States Picnic Inc 986-7406
1011 Crow Paving Co 986-6151

La Paloma Av Ints
1308 *Jamerson JZ 2 984-2674
1309 Vacant
1315 *Stuber JE 2 984-0447
1316 Johannsen WF 3 984-8251
1321 *Stiles JL 986-4992
1322 Lewis Donald 986-0179
1327 *Nash WR 2
1328 *Wade RC 3 984-8749
1334 *Tremayne RW 5 986-7488
1335 *Stout DL 1 986-5640
1340 *Pike HE 3 984-5353
1345 *Gleason CB 5 986-7496
1350 *Wilson RH 2 986-5000
1351 *DuPont PH 2 984-5140
1357 *Drake DL 2 984-1647
1358 *Hatt RL 986-7330
1403 *Smith JR 3 986-4236
1404 *Blades ER Mrs 984-0907
1409 *Bryant WE Jr 2 986-7426
1410 *Parrish HL 984-4343
1416 Ruthruff Larry
1417 Tompkins Richd 2 984-7848
1422 *Leenerts LR 2 984-2539
1423 Henderson Harmon 1 984-4740
1429 *Alicea Sylvia 2

ORCHARD LN, W (UPL) – FROM 350 S LAUREL AV, WEST (91786)
109 *Getson Albt 1 982-8130

(*Homeowner—Digit, Children) –63
112 Arnitz WE 2 982-0361
133 *Allen LW 1 982-8485
138 *Kearney Wilbert 1 982-1763
157 *Drewery HC 1 982-4292
164 Stanley KP 982-7240
175 *Ligtenberg Edw 2 982-1095
186 *Yehnert RW 1 982-4580

S White Av Ints
204 *Peters Margt 982-5860

215 *Blouin JB 1 982-2565
222 *Rosacker CE 982-2163
231 *Jordan Carrie 982-5429
240 *Perry WJ 6 982-6314
251 *Olney HW 982-5541
256 *Porter HJ 982-4770
265 Sheffield EW 3 982-4046
272 *Goddard JA 982-2387
287 *Holland LC Jr 4 982-5437

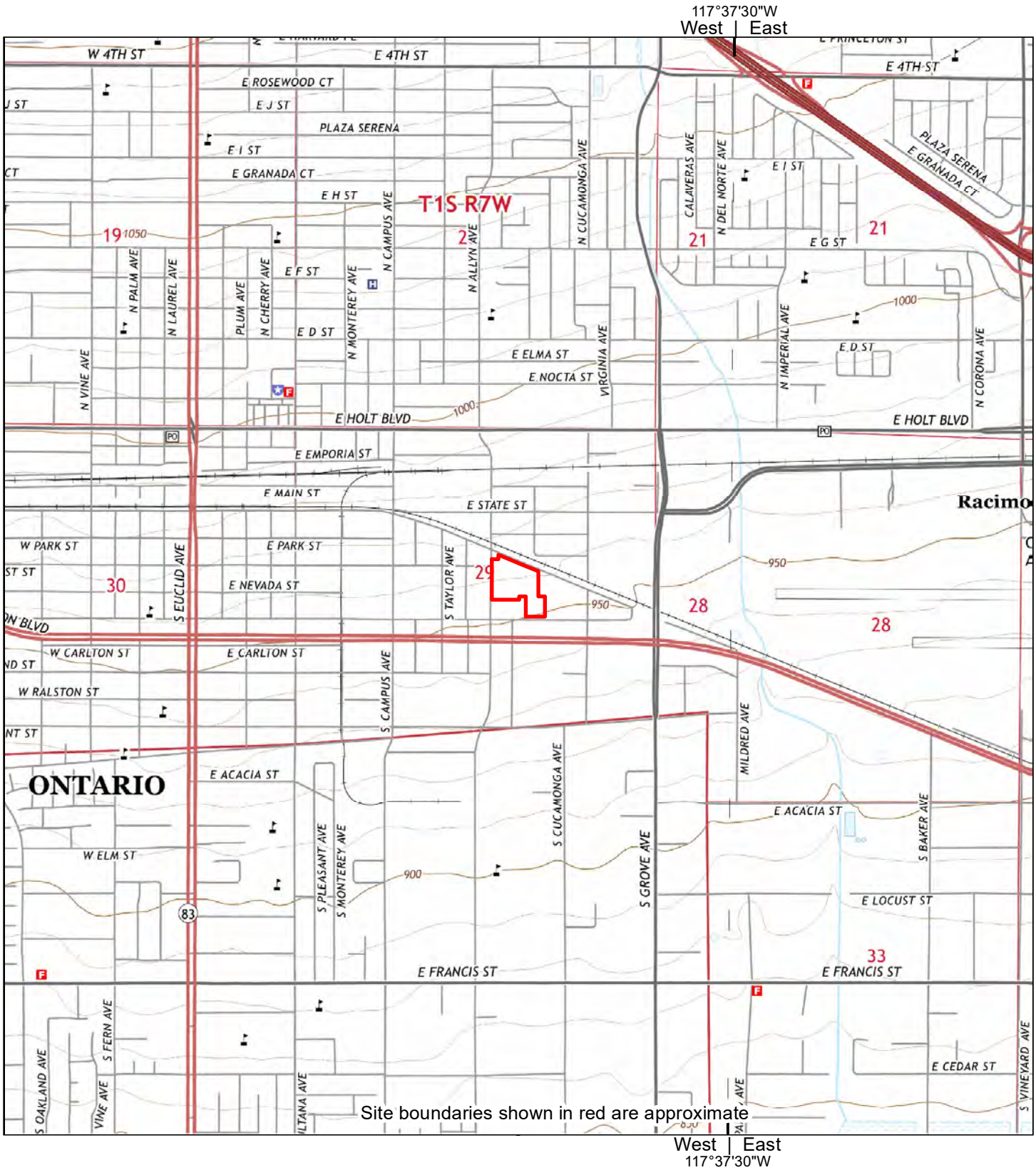
S Greentree Rd Ints
307 *Gardner JE 4 982-6170
312 *Doege RB
323 Skipper CS 1 982-0909
323 *Skipper CT 1 892-0909
339 *Thurston SW 2 982-5187
344 Uhlenbusch CJ 982-5587
351 *Carnahan ED 2 982-6687
358 *Byers JD 4 982-3943
367 *Benton ZI

S Vine Av Ints
N Malcolm Av Ints
(91762)

ORCHID CT, W (UPL) – FROM 900 N SAN ANTONIO AV, WEST (91786)
810 Apartments
A Baumiester Loren
B Gerringer Geo
D Ethridge Ray 982-8792
E Caraway DF 982-9284
F Taylor Ken
G Kastigar JP 982-3001
I Wolf CJ 2 982-5051
J Thaler JB 982-2386
K Cook Jas
L Ulm Kenneth
811 Apartments
A Melvin RC 982-8311
B Hodges Keith
C Harris Maurine 982-7556
E McDonald DE 982-0911
F Fruechte DF 982-7326
H Lozon Claire
I Vai Madaly
J Kamansky Louis 982-0519
K Pernorse Ruth
L Stevens Edw
831 Apartments
A Troseth Arth 982-7688
D Henry Ruth 985-1489
E Lisnek Elliott 982-0572
F Ritz WA 985-1127
G Waggerly WT 982-8362
I Taves JD 986-3835
N *Heisler HG 982-9814
853 Orchid Court Apartments 982-7777
A Barrows Jack 982-7885
B Noreen HB
C Schrock LE 982-5206
D Leach LL 4 982-7777
E Morris Edw
F Vacant
G Tyndall Ronald 982-2605
H Pitzer TD 982-7085
I Carpenter PJ
J Hyson Ray
K Adams Stanton
N Olsen Geo
854 Apartments
G Woerpel HR 985-1465
H Chopp CL 982-7895
856 Ups N' Downs Apartments
B Thornton JA 982-0648
D Downs CE 982-5371
E Gomer Ray 1
F Weck Chas 982-3430
I Grode JH 982-4769
J Downs Paul

APPENDIX F

Historical Maps

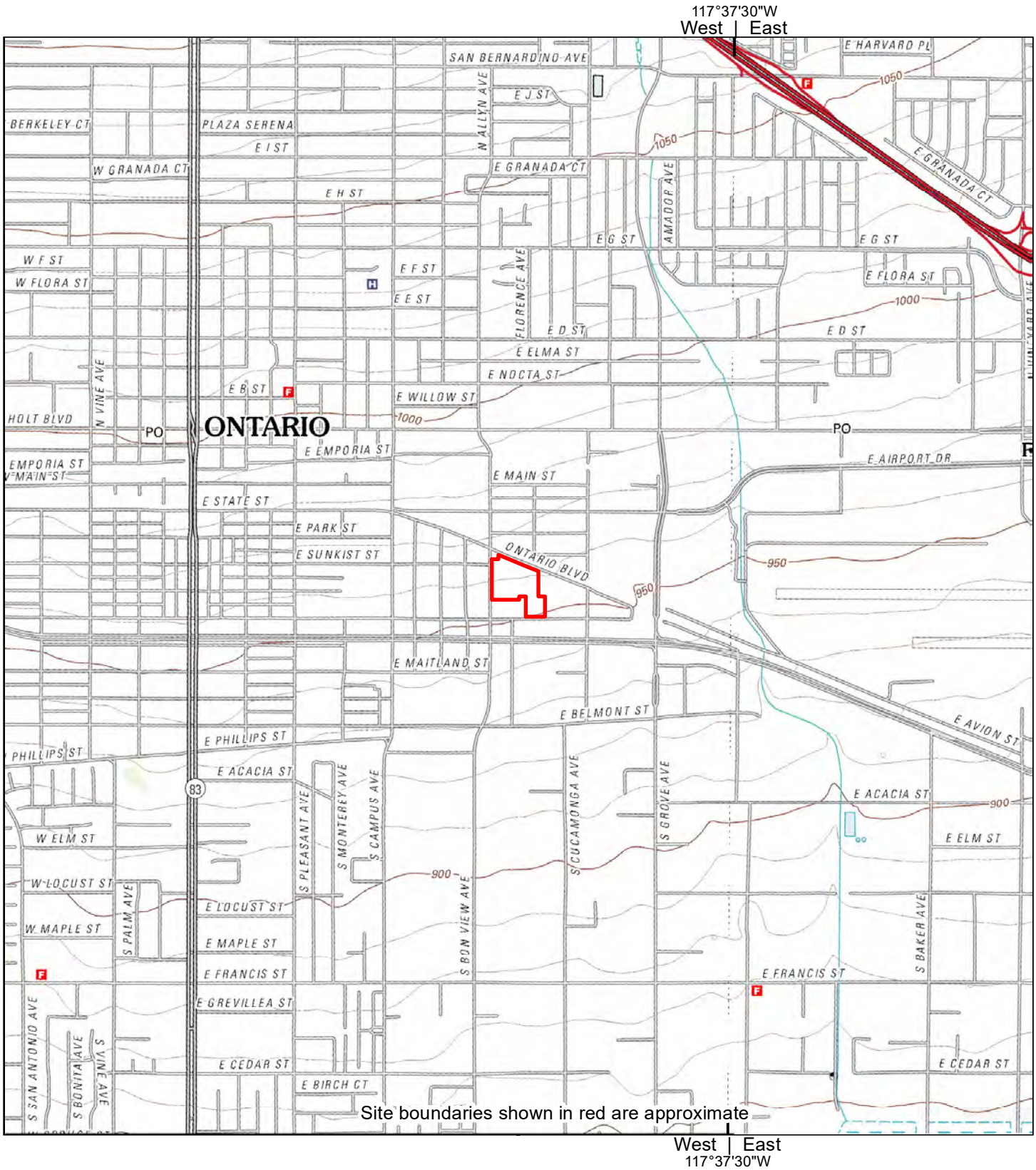


2015	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates: Photo Year	Inspected	Revised
East	Guasti, CA	USGS	7½' x 7½'	2015	--	--	--
West	Ontario, CA	USGS	7½' x 7½'	2015	--	--	--



2012

0 Distance in Miles 1

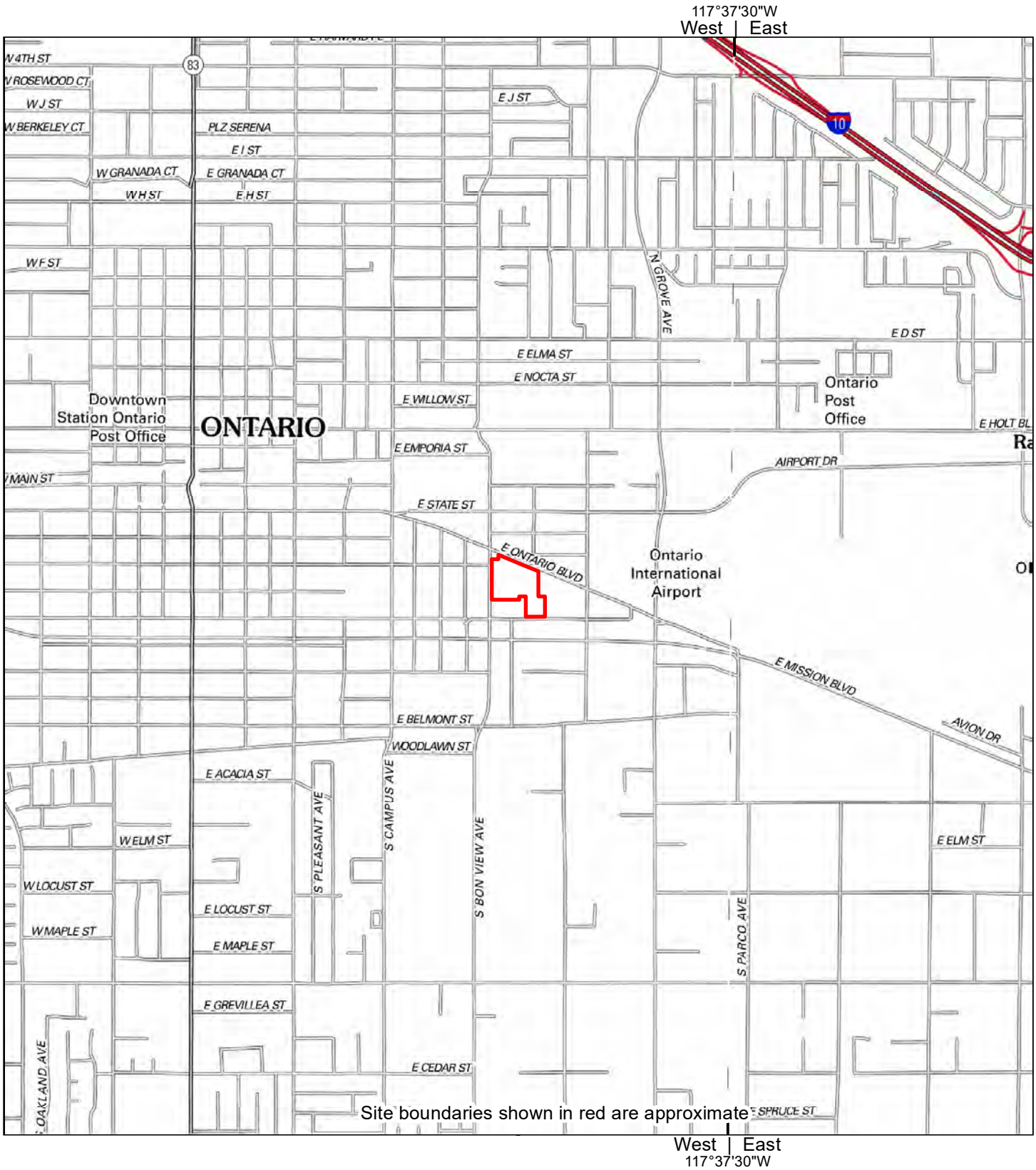
1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N

Site information:
Ontario CA
627 South Bon View Avenue
Ontario, CA

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates: Photo Year	Inspected	Revised
East	Guasti, CA	USGS	7½' x 7½'	2012	--	--	--
West	Ontario, CA	USGS	7½' x 7½'	2012	--	--	--



2009

0 Distance in Miles 1

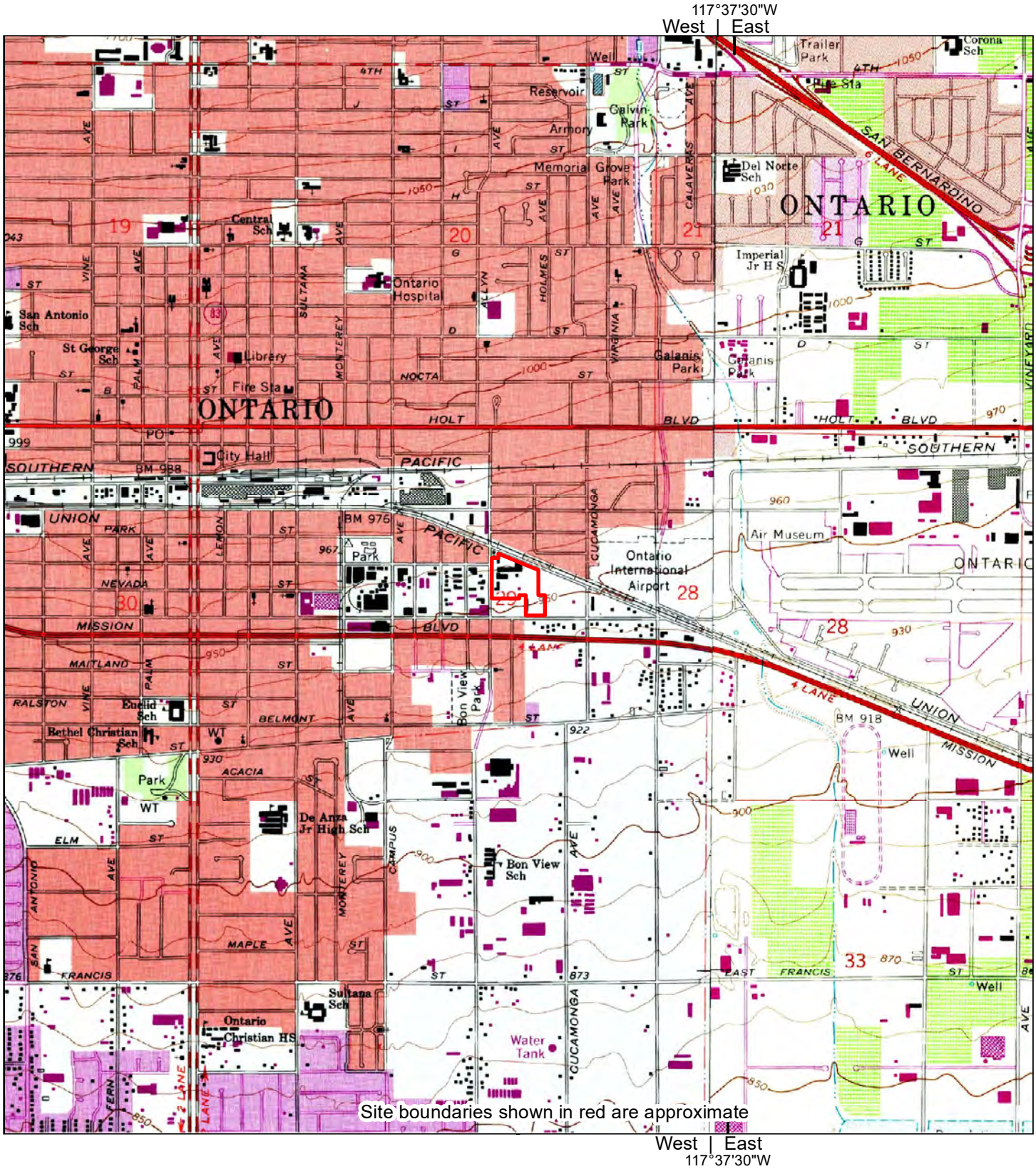
1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N

Site information:
Ontario CA
627 South Bon View Avenue
Ontario, CA

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

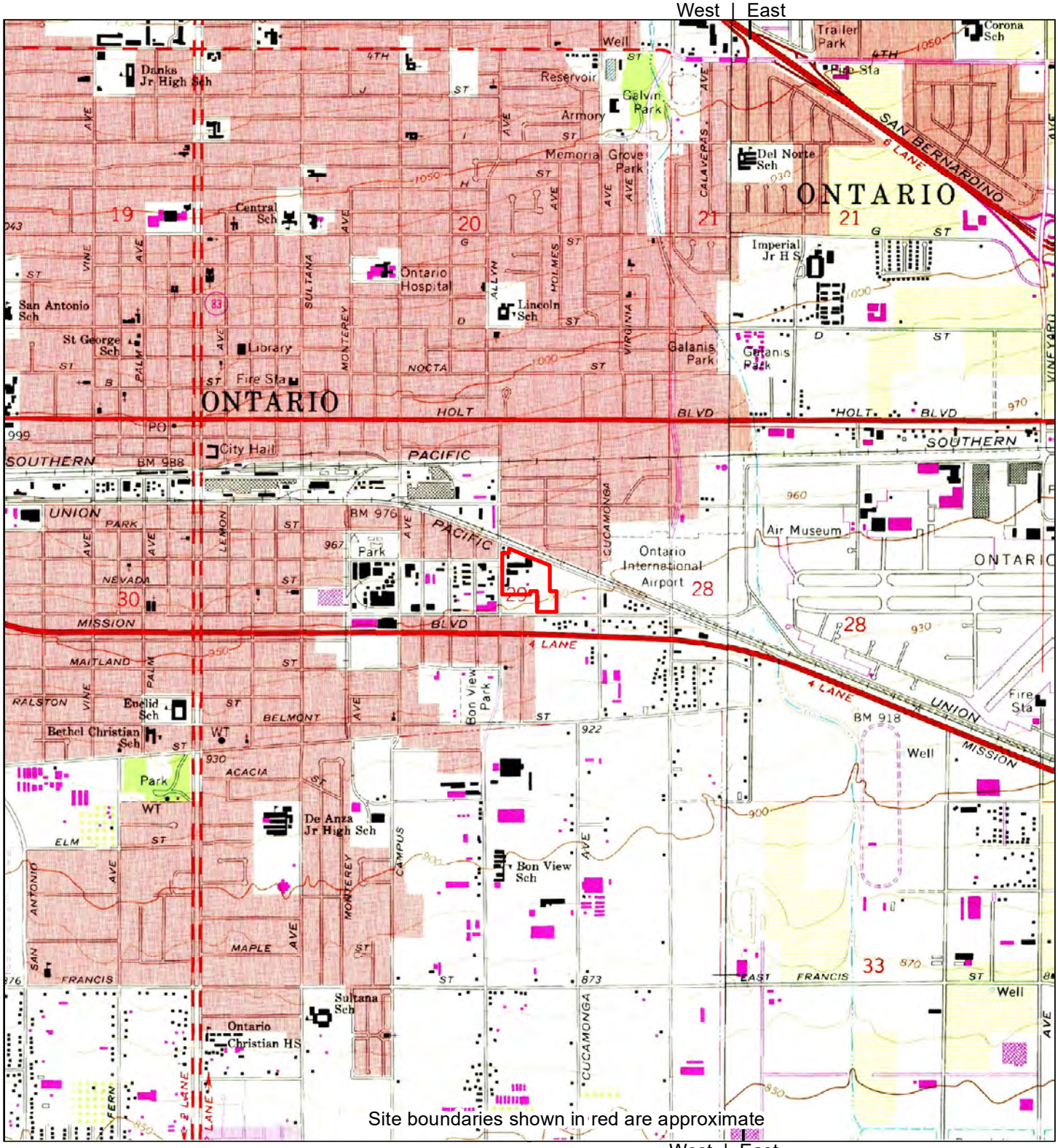
Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates: Photo Year	Inspected	Revised
East	Guasti, CA	USGS	7½' x 7½'	2009	--	--	--
West	Ontario, CA	USGS	7½' x 7½'	2009	--	--	--



1981	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates Photo Year	Inspected	Revised
East	Guasti, CA	USGS	7½' x 7½'	1966	1978	--	1981
West	Ontario, CA	USGS	7½' x 7½'	1967	1978	--	1981

117°37'30"W
West | East



West | East
117°37'30"W

1973	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA

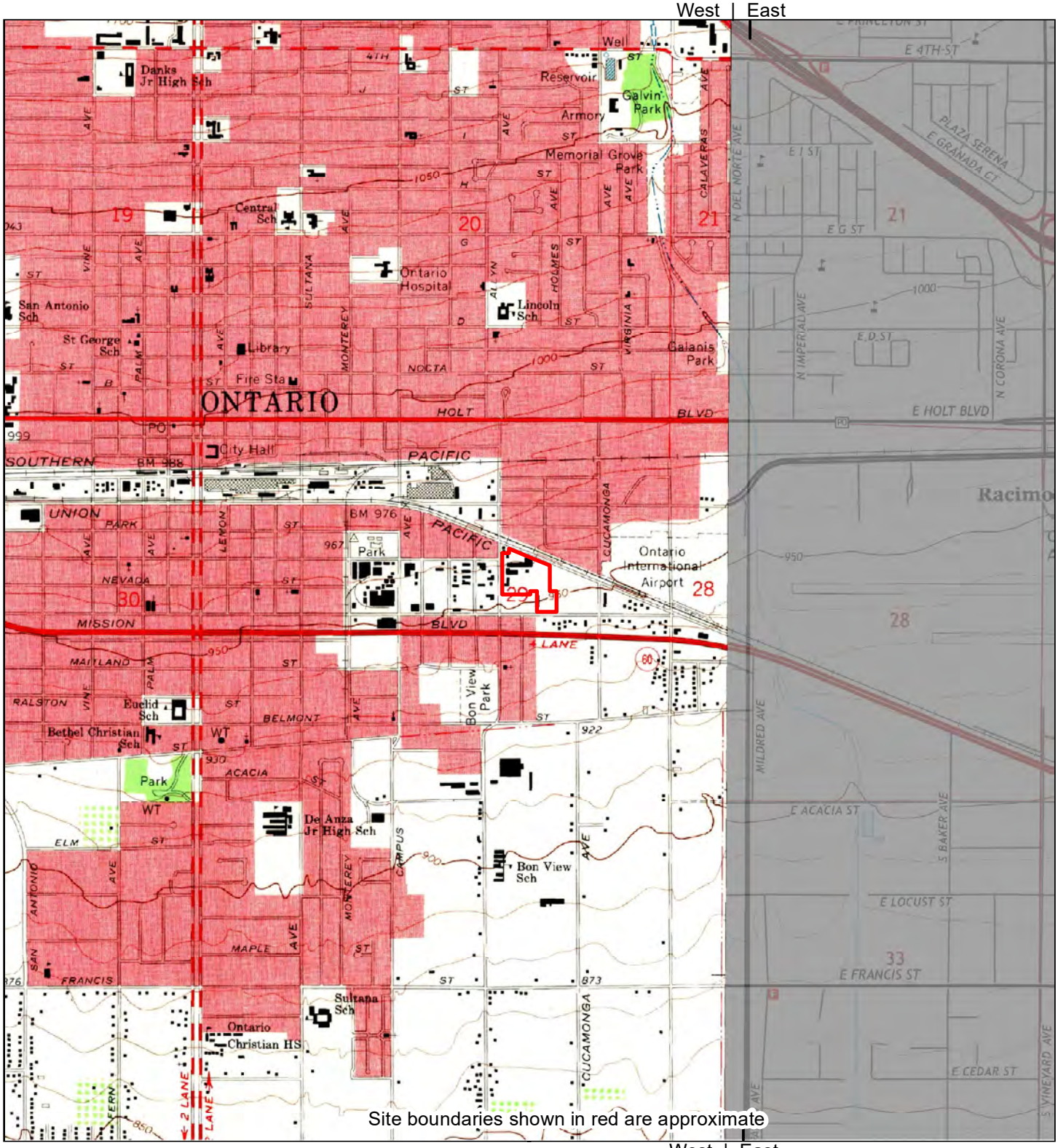
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates: Photo Year	Inspected	Revised
East	Guasti, CA	USGS	7½' x 7½'	1966	1973	--	1973
West	Ontario, CA	USGS	7½' x 7½'	1967	1973	--	1973

117°37'30"W

West | East

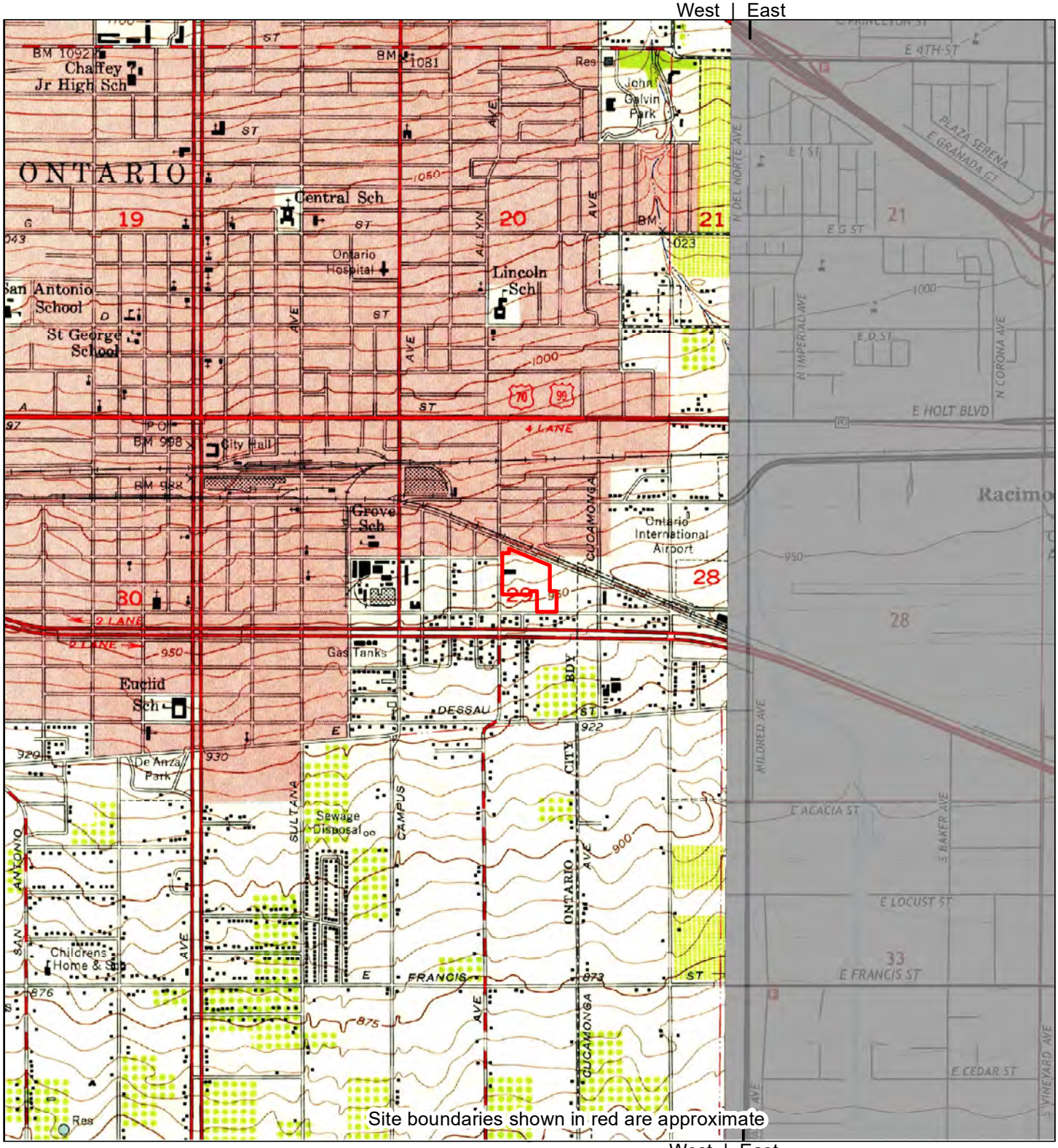


West | East

117°37'30"W

1967	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates Photo Year	Inspected	Revised
West	Ontario, CA	USGS	7½' x 7½'	1967	1966	--	--



1954

0 Distance in Miles 1

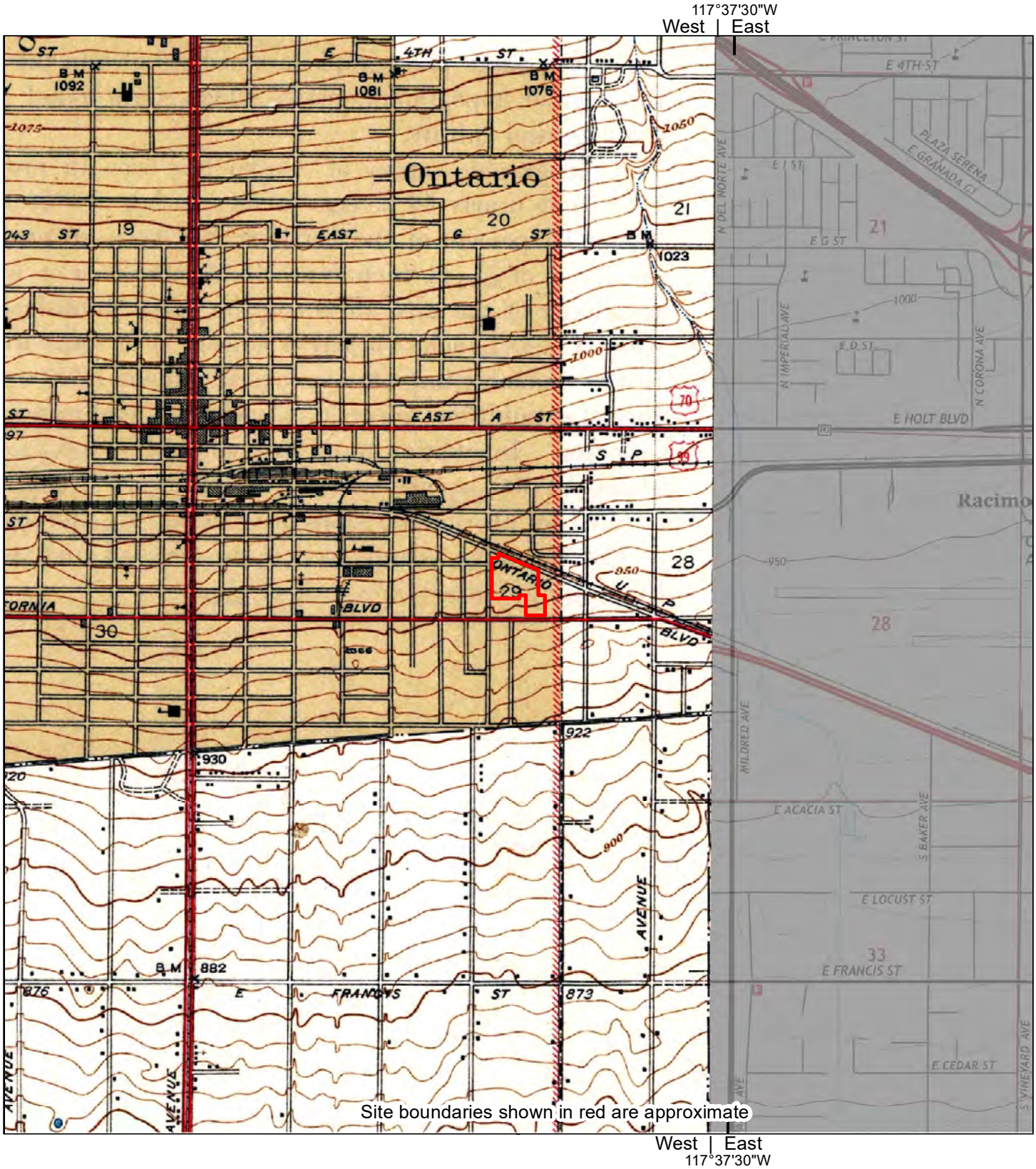
1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N

Site information:
Ontario CA
627 South Bon View Avenue
Ontario, CA

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

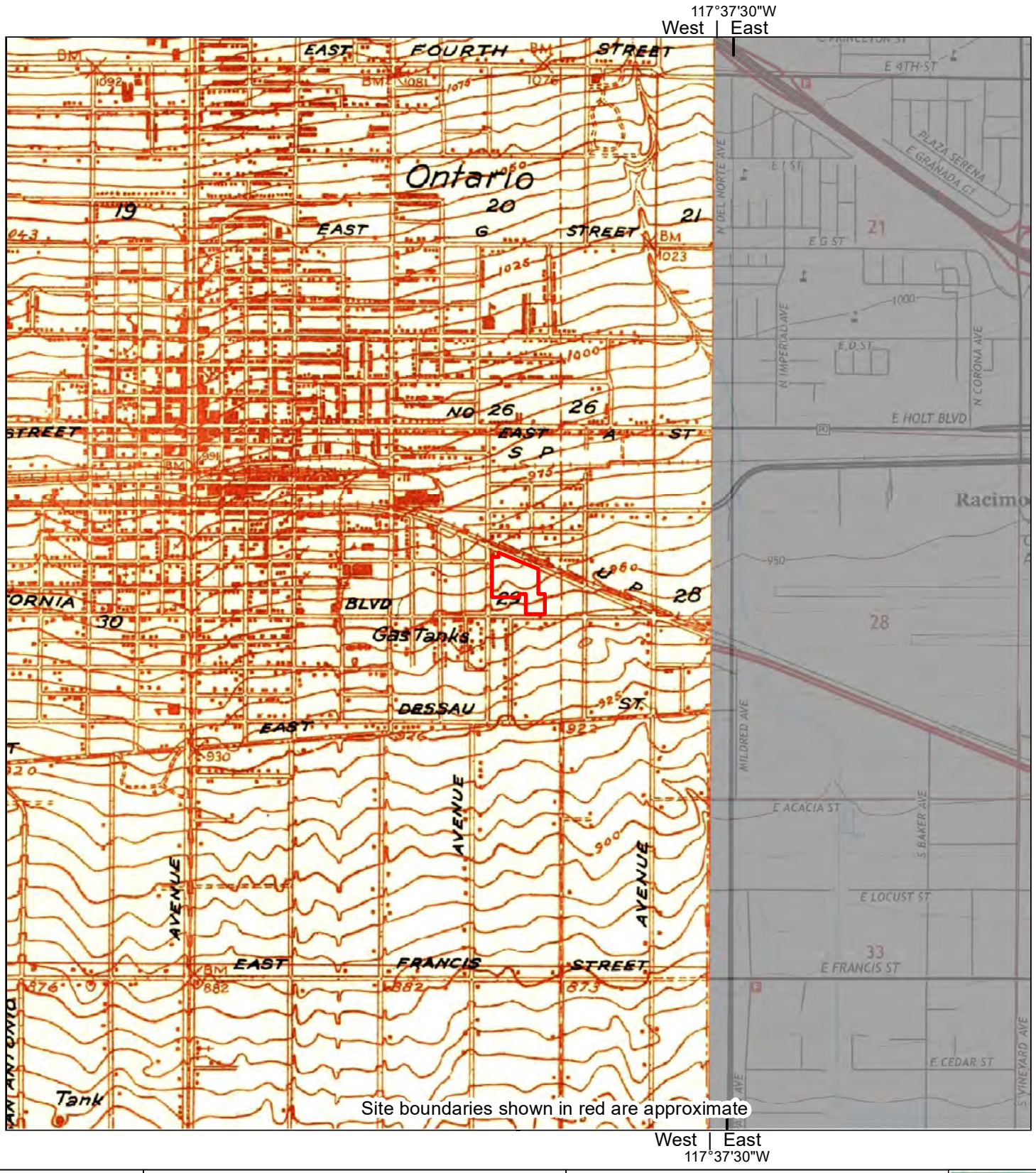
Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates: Photo Year	Inspected	Revised
West	Ontario, CA	USGS	7½' x 7½'	1954	1952	--	--



1942	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

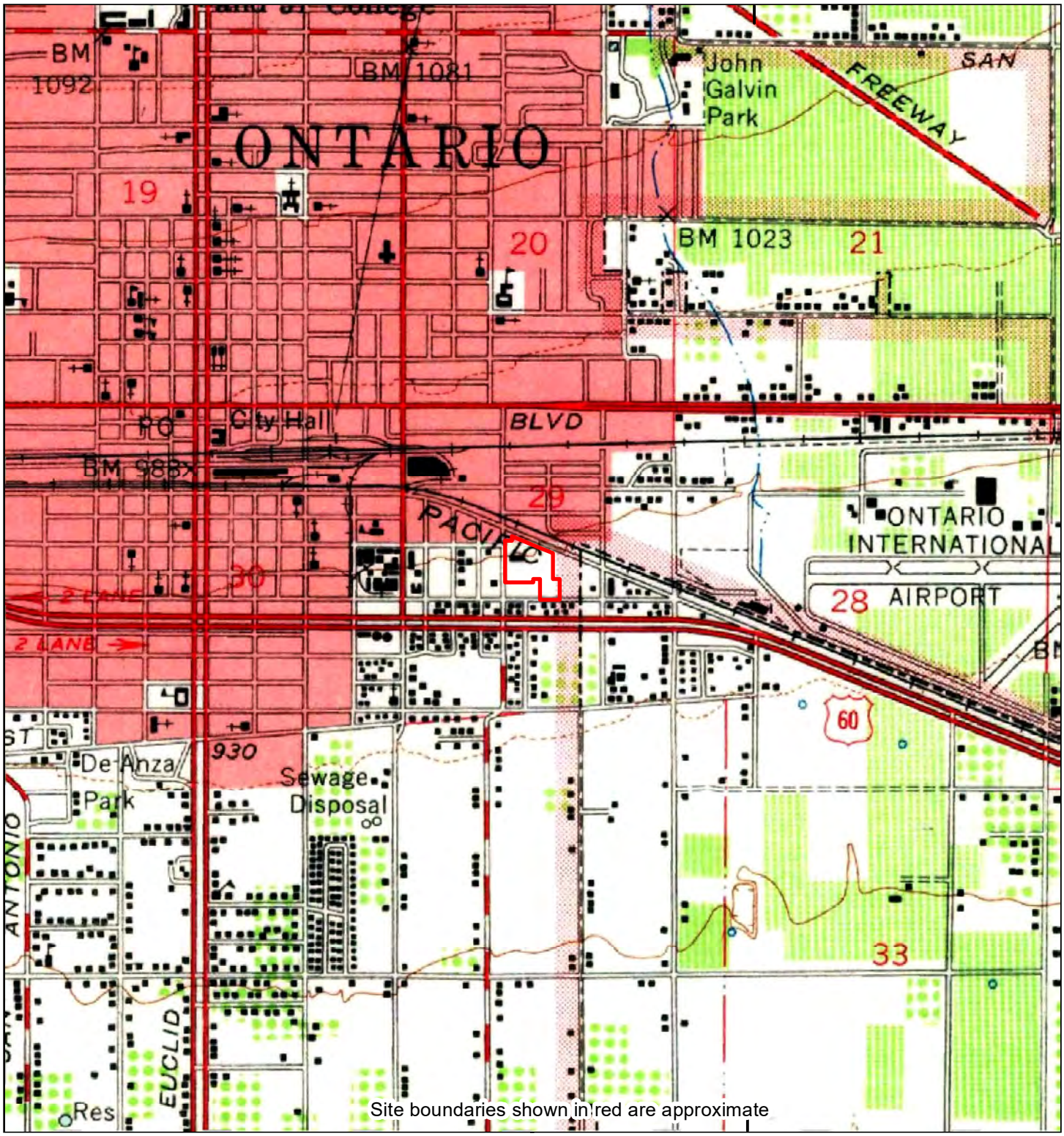
Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Year	Topo Updates Inspected	Topo Updates Revised
West	Ontario and Vicinity, CA	USGS	7½' x 7½'	1942	--	--	--



1933	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Year	Topo Updates Inspected	Topo Updates Revised
West	Ontario, CA	USGS	7½' x 7½'	1933	--	--	--

117°37'30"W

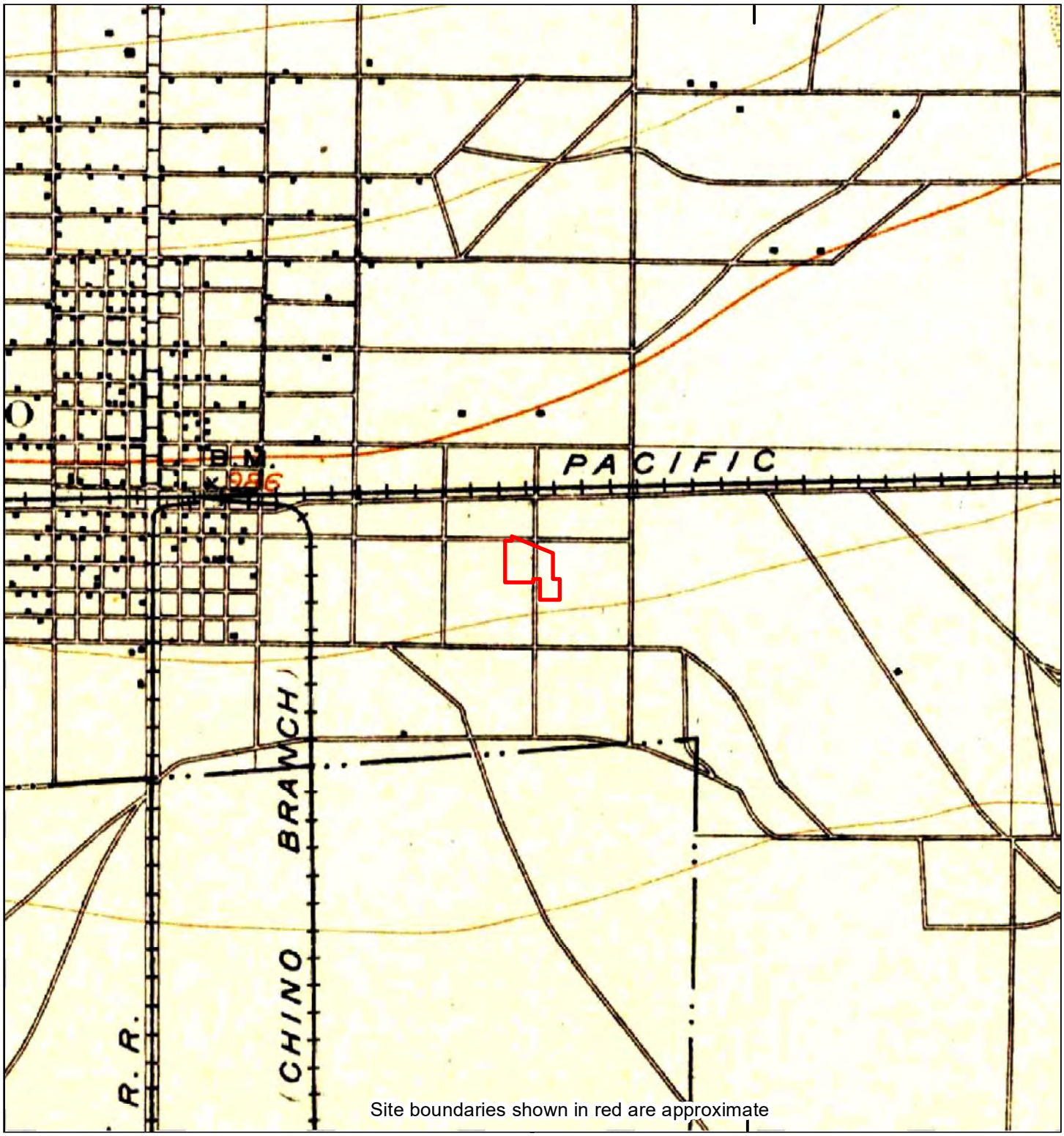


117°37'30"W

1954	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA	HIG
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.		Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates Photo Year	Inspected	Revised
All	Ontario, CA	USGS	15' x 15'	1954	--	--	--

117°37'30"W



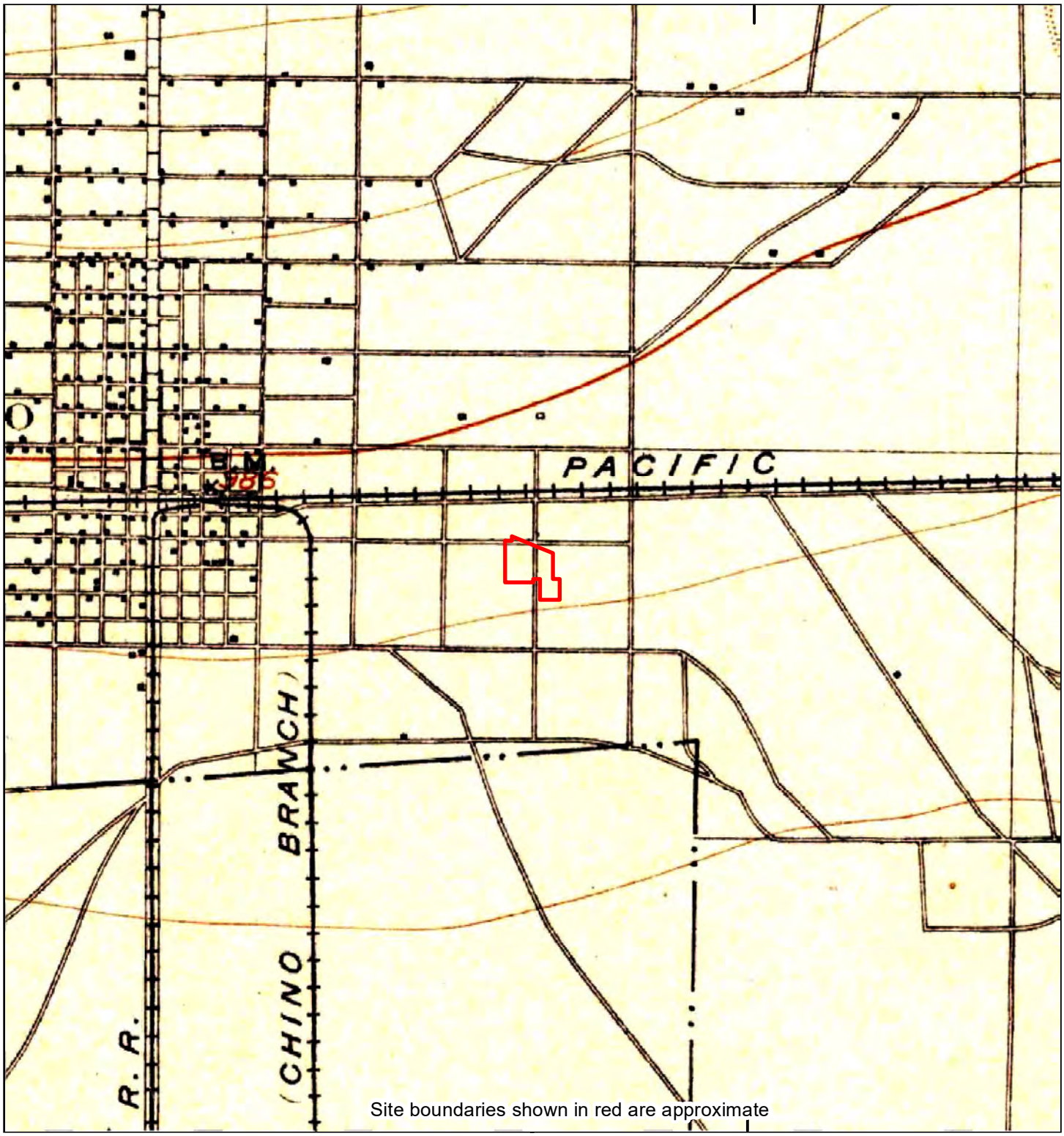
Site boundaries shown in red are approximate

117°37'30"W

1903	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates Photo Year	Inspected	Revised
All	Cucamonga, CA	USGS	15' x 15'	1903	--	--	--

117°37'30"W



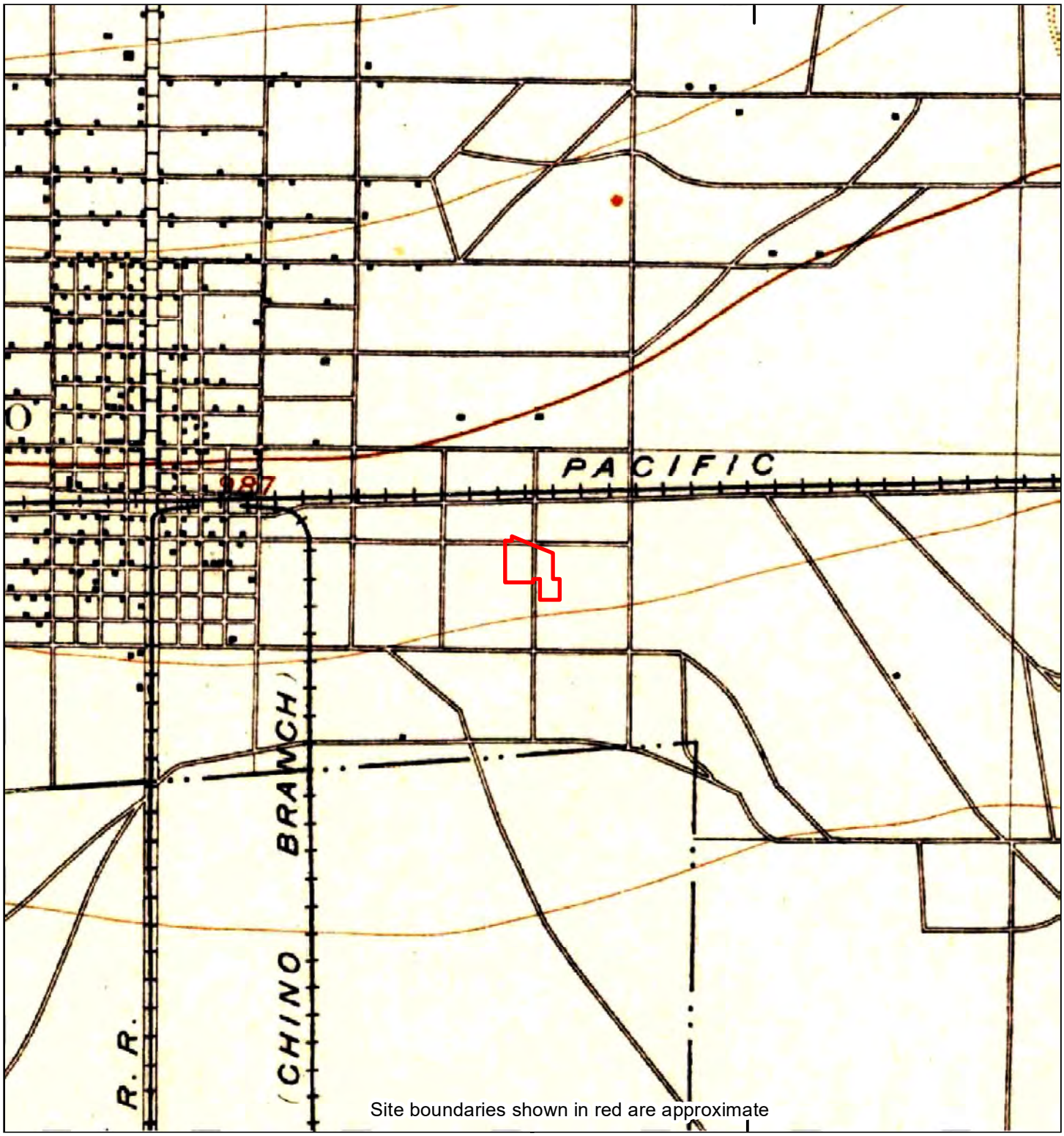
Site boundaries shown in red are approximate

117°37'30"W

1900	0 Distance in Miles 1 1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N	Site information: Ontario CA 627 South Bon View Avenue Ontario, CA
Unified maps show subdued modern topo features where corresponding maps of the same year were not published.	Stantec Consulting Services Inc. project #227703324 HIG #2058115 completed: 12/09/2021	

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates Photo Year	Inspected	Revised
All	Cucamonga, CA	USGS	15' x 15'	1900	--	--	--

117°37'30"W



Site boundaries shown in red are approximate

117°37'30"W

1897

0 Distance in Miles 1

1: 24,000 (1"=2,000') NAD 1983 UTM Zone 11N

Site information:
Ontario CA
627 South Bon View Avenue
Ontario, CA

Unified maps show subdued modern topo features where corresponding maps of the same year were not published.

Stantec Consulting Services Inc. project #227703324
HIG #2058115 completed: 12/09/2021

Zone	Topographic Map Name	Publisher	Map Size	Base Map	Aerial Photo Topo Updates		
					Photo Year	Inspected	Revised
All	Cucamonga, CA	USGS	15' x 15'	1897	--	--	--

APPENDIX G

Fire Insurance Map Research Document

Fire Insurance Maps No Coverage Statement

Site Location
Ontario CA
627 South Bon View Avenue
Ontario, CA

Requested by
Stantec Consulting Services Inc.
2080 Wooddale Drive
Woodbury, MN

HIG Project #
2058115
Client Project #
227703324
Date Created
12/09/2021

Historical Information Gatherers

FIM+ Maps

The HIG Historical Map Collection and the United States Library of Congress Map Collection were searched for fire insurance maps (FIMs), real estate atlases and similar maps for the site location and adjoining properties. No FIMs or similar maps were identified for the site location and/or adjoining properties.

APPENDIX H

Subject Property Photographs

Photo #1 View of the northernmost building at 621 S Bon View, facing southeast

Photo #2 View facing north-northeast showing the building just south of 621 S Bon View

Photo #3 View of west façade of building nearer the south portion of the Subject Property, facing southeast

Photo #4 View showing the east end of the newest building at the south-central boundary of the Subject Property, view facing southwest

Photo #5 View facing northwest along property boundary showing the east façade of the building to the rear of 621 S Bon View

Photo #6 View facing north-northwest showing the east façade of the building to the rear of 621 S Bon View

Photo #7 View facing west fro near the same location as photo 6

Photo #8 View facing west at the rear of the middle building on the Subject Property

Photo #9 View facing east showing west façade of Fleet Warehouse building

Photo #10 View of new newest building on the south portion of the Subject Property, view facing southeast

Photo #11 View facing north-northeast from S Bon View at south entrance to the Subject Property

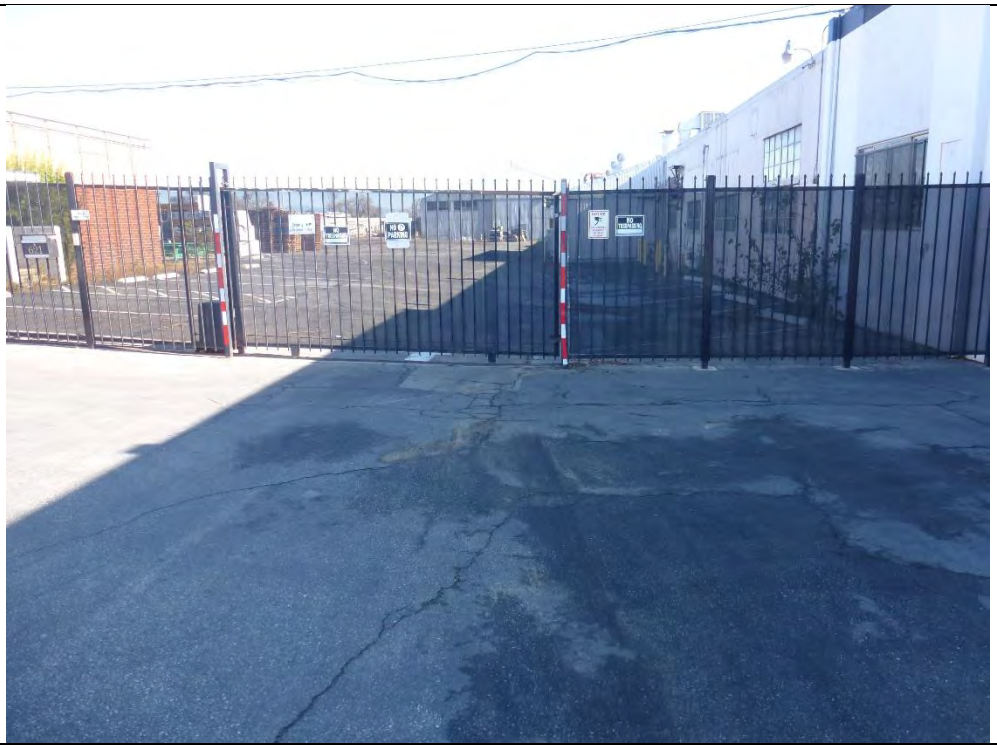


Photo #12 View showing the north access gate at the 621 S Bon View location

Photo #13 View within the south storage building

Photo #14 View within the north storage building

Photo #15 View within the central storage building

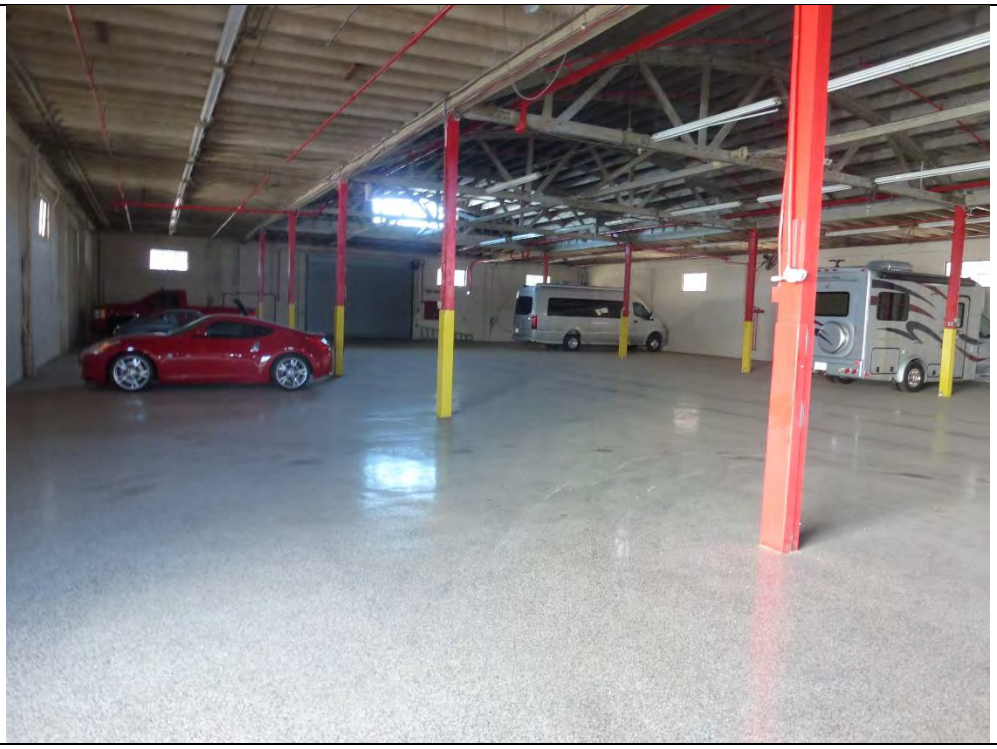


Photo #16 Second view within central storage building

Photo #17 View facing north along east end of Subject Property showing recently paved area

Photo #18 View facing south at southeast portion of the Subject Property, view shows unimproved area

Photo #19 View showing one of the solid waste dumpsters, view facing west between north building and central building

Photo #20 View within former glass manufacturing area in Building 2

Photo #21 View of pad-mounted transformer by north building, facing northeast

Photo #22 View facing west along south portion of the Subject Property

APPENDIX I

Research Summary

HIG Research Summary

Site Location
Ontario CA
627 South Bon View Avenue
Ontario, CA

Requested by
Stantec Consulting Services Inc.
2080 Wooddale Drive
Woodbury, MN

HIG Project #
2058115
Client Project #
227703324
Date Created
12/09/2021

This Research Summary identifies the products and services provided by Historical Information Gatherers, Inc. (HIG) for the above referenced site location. All products are provided as PDFs unless otherwise noted.

Historical Aerial Photographs

Aerial photographs of the site location were used to create a multi-page file named AerialPhotos. Each aerial photograph has a title block that includes the year and scale of the photograph as well as project information submitted at the time the order was placed. The years provided are:

1938, 1946, 1948, 1952, 1966, 1968, 1974, 1976, 1980, 1985, 1994, 2005, 2009, 2012, 2018

City Directory Pages/Abstracts

Research Methodology: A search was conducted for city directories that include coverage of the site area using HIG's City Directory Collection and other sources, if needed. Directories for the following years were identified for the site area. A comma between date ranges indicates a gap of 10 years or more in available city directories:

San Bernardino; 1971 - 2011
Ontario-Upland; 1964

The above listed directories were reviewed at approximate 5 year intervals to determine if the street(s) specified in the order were included in the directories and had listings for the site area. HIG attempted to identify former street names and aliases and if identified, these were also included in the review.

Research Results: City directory information, when provided, was used to create a multi-page file(s) named CD- followed by the street name. When City Directory Pages are provided, the publication name and date are shown at the top of each page. When a City Directory abstract is provided, the first page of the abstract includes the relevant publication information. The years of coverage identified for each street and any identified historical street names are as follows:

Ontario Blvd (1964 - 2011)
Bon View Ave S (1964 - 2011)

FIM+ Maps

The HIG Historical Map Collection and the United States Library of Congress Map Collection were searched for fire insurance maps (FIMs), real estate atlases and similar maps for the site location and adjoining properties. No FIMs or similar maps were identified for the site location and/or adjoining properties.

Database Report

A GeoSearch Radius Report is provided as a file named DBR. Links to the text file, unlocatable report and zip report can be accessed by clicking on the paperclip icon within the GeoSearch report. Key information regarding the database listings is included in a separate Excel spreadsheet named DBRS.

Topographic Maps

The HIG Historical Map Collection was searched for topographic maps for the site location and adjoining properties. Maps from the HIG Collection were used to create a multi-page file named TopoMaps. The years provided are:

1897, 1900, 1903, 1933, 1942, 1954, 1966, 1973, 1981, 2009, 2012, 2015

Up to four different topographic maps may have been used to create a unified map showing the site location in the center. Unified maps show subdued modern topo features where corresponding maps of the same year were not published. The date in large font on each map is the date HIG has attributed to the map based on the date of first publication, or the most recent date of map inspection or revision. The definitions below provide clarification regarding the dates included in the HIG title block for each map.

Base Map Year - The year when a topographic map was first published or the date the map was significantly revised and given a new base map date.
Photo Year - The date of the most recent aerial photography used to create, revise, or inspect the map.
Photoinspected Year - The year the base map was compared to a more recent aerial photograph. If the comparison showed that no changes were needed, the map was marked photoinspected and no changes were made to the map.
Photorevised Year - During the photo inspection process, if enough changes were observed, the map would be revised by adding the new features. These changes were not field checked and are shown in purple on the photorevised maps.

Disclaimer & Limitation of Liability

This Research Summary and the related documents and images provided by Historical Information Gatherers (hereafter referred to as the "Site Specific HIG Data") contain information obtained from a variety of public and private sources. Additional information for the site and surrounding properties may exist. Accordingly, there can be no guaranty or warranty that the information provided is complete for its particular intended purpose. No warranty expressed or implied, is made whatsoever in connection with the Site Specific HIG Data. Historical Information Gatherers specifically disclaims the making of any such warranties, including without limitation, merchantability or fitness for a particular purpose. Historical Information Gatherers, its officers, employees and independent contractors cannot be held liable to anyone for any loss or damage, whether arising out of errors or omissions, negligence, accident or any other cause, resulting directly or indirectly from any information provided or any information not provided in the Site Specific HIG Data. Any liability on the part of Historical Information Gatherers is strictly limited to a refund equal to the amount paid for the Site Specific HIG Data.

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APPENDIX B

Laboratory Reports and Chain-of-Custody Documentation

A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
ONTARIO, CA 91761
909-781-6335
www.arlaboratories.com office@arlaboratories.com

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CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng, President 01/19/2022 12:33:47
Laboratory Job No. (Certificate of Analysis No.)	2201-00115
Project Name / No.	627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200
Dates Sampled (from/to)	01/18/22 To 01/18/22
Dates Received (from/to)	01/18/22 To 01/18/22
Dates Reported (from/to)	01/19/22 To 1/19/2022
Chains of Custody Received	Yes

Comments:

Subcontracting

Organic Analyses

No analyses sub-contracted

Other Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 001 **SV-8-5** Date & Time Sampled: 01/18/22 @ 10:37
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Amyl Methyl Ether (TAME)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromodichloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Butanol (TBA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromoethane (EDB)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromo-3-Chloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 01/19/22
Date Received 01/18/22
Invoice No. 93884
Cust # 1003
Permit Number
Customer P.O.

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 001 **SV-8-5** Date & Time Sampled: 01/18/22 @ 10:37
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Diisopropyl Ether (DiPE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Methyl-2-Pentanone (MIBK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Naphthalene	<0.0042	0.00416	0.0065	µg/L	<4.2	4.2	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 001 **SV-8-5**											Date & Time Sampled:	01/18/22 @	10:37
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Vinyl Chloride	<0.0010	0.00104	0.0065	µg/L	<1.0	1.0	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	01/18/22	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Surrogates]													
Dibromofluoromethane	91		70-130	%REC							EPA 8260B	01/18/22	IG
Toluene-D8	117		70-130	%REC							EPA 8260B	01/18/22	IG
Bromofluorobenzene	94		70-130	%REC							EPA 8260B	01/18/22	IG
Sample: 002 **SV-9-5**											Date & Time Sampled:	01/18/22 @	11:09
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Amyl Methyl Ether (TAME)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromodichloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 002 **SV-9-5** Date & Time Sampled: 01/18/22 @ 11:09
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
t-Butanol (TBA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromoethane (EDB)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromo-3-Chloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 002 **SV-9-5** Date & Time Sampled: 01/18/22 @ 11:09
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Diisopropyl Ether (DiPE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Methyl-2-Pentanone (MIBK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Naphthalene	<0.0042	0.00416	0.0065	µg/L	<4.2	4.2	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Vinyl Chloride	<0.0010	0.00104	0.0065	µg/L	<1.0	1.0	7	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 002 **SV-9-5**											Date & Time Sampled:	01/18/22 @	11:09
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	01/18/22	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Surrogates]													
Dibromofluoromethane	99		70-130	%REC							EPA 8260B	01/18/22	IG
Toluene-D8	114		70-130	%REC							EPA 8260B	01/18/22	IG
Bromofluorobenzene	105		70-130	%REC							EPA 8260B	01/18/22	IG
Sample: 003 **SV-10-5**											Date & Time Sampled:	01/18/22 @	11:31
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Amyl Methyl Ether (TAME)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromodichloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Butanol (TBA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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Date Reported	01/19/22
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Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 003 **SV-10-5** Date & Time Sampled: 01/18/22 @ 11:31
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Chloroform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromoethane (EDB)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromo-3-Chloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Diisopropyl Ether (DiPE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 003 **SV-10-5** Date & Time Sampled: 01/18/22 @ 11:31
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Methyl-2-Pentanone (MIBK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Naphthalene	<0.0042	0.00416	0.0065	µg/L	<4.2	4.2	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Vinyl Chloride	<0.0010	0.00104	0.0065	µg/L	<1.0	1.0	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	01/18/22	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Surrogates]													
Dibromofluoromethane	103		70-130	%REC							EPA 8260B	01/18/22	IG
Toluene-D8	115		70-130	%REC							EPA 8260B	01/18/22	IG
Bromofluorobenzene	104		70-130	%REC							EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 004 **SV-7-5** Date & Time Sampled: 01/18/22 @ 11:54
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Amyl Methyl Ether (TAME)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromodichloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Butanol (TBA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromoethane (EDB)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromo-3-Chloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 004 **SV-7-5** Date & Time Sampled: 01/18/22 @ 11:54
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Diisopropyl Ether (DiPE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Methyl-2-Pentanone (MIBK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Naphthalene	<0.0042	0.00416	0.0065	µg/L	<4.2	4.2	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 004 **SV-7-5**									Date & Time Sampled:		01/18/22 @ 11:54		
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Vinyl Chloride	<0.0010	0.00104	0.0065	µg/L	<1.0	1.0	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	01/18/22	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Surrogates]													
Dibromofluoromethane	97		70-130	%REC							EPA 8260B	01/18/22	IG
Toluene-D8	120		70-130	%REC							EPA 8260B	01/18/22	IG
Bromofluorobenzene	100		70-130	%REC							EPA 8260B	01/18/22	IG
Sample: 005 **SV-4-5**									Date & Time Sampled:		01/18/22 @ 12:34		
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Amyl Methyl Ether (TAME)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromodichloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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USDA-EPA-NIOSH Testing **Food Sanitation Consulting** **Chemical and Microbiological Analyses and Research**

A & R Laboratories, Inc.

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 005 **SV-4-5** Date & Time Sampled: 01/18/22 @ 12:34
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
t-Butanol (TBA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromoethane (EDB)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromo-3-Chloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 005 **SV-4-5** Date & Time Sampled: 01/18/22 @ 12:34
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Diisopropyl Ether (DiPE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Methyl-2-Pentanone (MIBK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Naphthalene	<0.0042	0.00416	0.0065	µg/L	<4.2	4.2	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Vinyl Chloride	<0.0010	0.00104	0.0065	µg/L	<1.0	1.0	7	µg/m3		0.13	EPA 8260B	01/18/22	IG

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Date Reported	01/19/22
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Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 005 **SV-4-5** Date & Time Sampled: 01/18/22 @ 12:34													
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	01/18/22	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Surrogates]													
Dibromofluoromethane	102		70-130	%REC							EPA 8260B	01/18/22	IG
Toluene-D8	112		70-130	%REC							EPA 8260B	01/18/22	IG
Bromofluorobenzene	100		70-130	%REC							EPA 8260B	01/18/22	IG
Sample: 006 **SV-1-5** Date & Time Sampled: 01/18/22 @ 12:56													
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Amyl Methyl Ether (TAME)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromodichloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Butanol (TBA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 006 **SV-1-5** Date & Time Sampled: 01/18/22 @ 12:56
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Chloroform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromoethane (EDB)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromo-3-Chloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Diisopropyl Ether (DiPE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 006 **SV-1-5** Date & Time Sampled: 01/18/22 @ 12:56
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Methyl-2-Pentanone (MIBK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Naphthalene	<0.0042	0.00416	0.0065	µg/L	<4.2	4.2	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Vinyl Chloride	<0.0010	0.00104	0.0065	µg/L	<1.0	1.0	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	01/18/22	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Surrogates]													
Dibromofluoromethane	97		70-130	%REC							EPA 8260B	01/18/22	IG
Toluene-D8	114		70-130	%REC							EPA 8260B	01/18/22	IG
Bromofluorobenzene	99		70-130	%REC							EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 007 **SV-2-5** Date & Time Sampled: 01/18/22 @ 13:19
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Amyl Methyl Ether (TAME)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromodichloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Butanol (TBA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromoethane (EDB)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromo-3-Chloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
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735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 007 **SV-2-5** Date & Time Sampled: 01/18/22 @ 13:19
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Diisopropyl Ether (DiPE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Methyl-2-Pentanone (MIBK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Naphthalene	<0.0042	0.00416	0.0065	µg/L	<4.2	4.2	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported 01/19/22
Date Received 01/18/22
Invoice No. 93884
Cust # 1003
Permit Number
Customer P.O.

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 007 **SV-2-5** Sample Matrix: **Air** Purge Volume Sampled: **3**											Date & Time Sampled:	01/18/22 @	13:19
.....continued													
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Vinyl Chloride	<0.0010	0.00104	0.0065	µg/L	<1.0	1.0	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	01/18/22	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Surrogates]													
Dibromofluoromethane	98		70-130	%REC							EPA 8260B	01/18/22	IG
Toluene-D8	114		70-130	%REC							EPA 8260B	01/18/22	IG
Bromofluorobenzene	101		70-130	%REC							EPA 8260B	01/18/22	IG
Sample: 008 **SV-3-5** Sample Matrix: **Air** Purge Volume Sampled: **3**											Date & Time Sampled:	01/18/22 @	13:41
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Amyl Methyl Ether (TAME)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromodichloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 008 **SV-3-5** Date & Time Sampled: 01/18/22 @ 13:41
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
t-Butanol (TBA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromoethane (EDB)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromo-3-Chloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 008 **SV-3-5** Date & Time Sampled: 01/18/22 @ 13:41
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Diisopropyl Ether (DiPE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Methyl-2-Pentanone (MIBK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Naphthalene	<0.0042	0.00416	0.0065	µg/L	<4.2	4.2	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Vinyl Chloride	<0.0010	0.00104	0.0065	µg/L	<1.0	1.0	7	µg/m3		0.13	EPA 8260B	01/18/22	IG

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STANTEC CONSULTING SVCS., INC.
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Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 008 **SV-3-5** Date & Time Sampled: 01/18/22 @ 13:41													
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	01/18/22	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Surrogates]													
Dibromofluoromethane	93		70-130	%REC							EPA 8260B	01/18/22	IG
Toluene-D8	113		70-130	%REC							EPA 8260B	01/18/22	IG
Bromofluorobenzene	100		70-130	%REC							EPA 8260B	01/18/22	IG
Sample: 009 **SV-5-5** Date & Time Sampled: 01/18/22 @ 14:03													
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Amyl Methyl Ether (TAME)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromodichloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Butanol (TBA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 009 **SV-5-5** Date & Time Sampled: 01/18/22 @ 14:03
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Chloroform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromoethane (EDB)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromo-3-Chloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Diisopropyl Ether (DiPE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 009 **SV-5-5** Date & Time Sampled: 01/18/22 @ 14:03
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Methyl-2-Pentanone (MIBK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Naphthalene	<0.0042	0.00416	0.0065	µg/L	<4.2	4.2	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Vinyl Chloride	<0.0010	0.00104	0.0065	µg/L	<1.0	1.0	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	01/18/22	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Surrogates]													
Dibromofluoromethane	101		70-130	%REC							EPA 8260B	01/18/22	IG
Toluene-D8	114		70-130	%REC							EPA 8260B	01/18/22	IG
Bromofluorobenzene	103		70-130	%REC							EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 010 **SV-5-5-DUP** Date & Time Sampled: 01/18/22 @ 14:03
Sample Matrix: **Air**
Purge Volume Sampled: **3**

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Amyl Methyl Ether (TAME)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromodichloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Butanol (TBA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromoethane (EDB)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromo-3-Chloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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Date Reported	01/19/22
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Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 010 **SV-5-5-DUP** Date & Time Sampled: 01/18/22 @ 14:03
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Diisopropyl Ether (DiPE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Methyl-2-Pentanone (MIBK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Naphthalene	<0.0042	0.00416	0.0065	µg/L	<4.2	4.2	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 010 **SV-5-5-DUP**									Date & Time Sampled:		01/18/22 @ 14:03		
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Vinyl Chloride	<0.0010	0.00104	0.0065	µg/L	<1.0	1.0	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	01/18/22	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Surrogates]													
Dibromofluoromethane	98		70-130	%REC							EPA 8260B	01/18/22	IG
Toluene-D8	114		70-130	%REC							EPA 8260B	01/18/22	IG
Bromofluorobenzene	100		70-130	%REC							EPA 8260B	01/18/22	IG
Sample: 011 **SV-6-5**									Date & Time Sampled:		01/18/22 @ 14:53		
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
t-Amyl Methyl Ether (TAME)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Benzene	<0.0031	0.00312	0.013	µg/L	<3.1	3.1	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromodichloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 011 **SV-6-5** Date & Time Sampled: 01/18/22 @ 14:53
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
t-Butanol (TBA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloroform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromoethane (EDB)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dibromo-3-Chloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG

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CERTIFICATE OF ANALYSIS

2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

Date Reported	01/19/22
Date Received	01/18/22
Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Sample: 011 **SV-6-5** Date & Time Sampled: 01/18/22 @ 14:53
Sample Matrix: **Air**
Purge Volume Sampled: **3**
.....continued

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Diisopropyl Ether (DiPE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Ethyl-t-Butyl Ether (EtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Isopropylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Isopropyltoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3		0.13	EPA 8260B	01/18/22	IG
4-Methyl-2-Pentanone (MIBK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Naphthalene	<0.0042	0.00416	0.0065	µg/L	<4.2	4.2	7	µg/m3		0.13	EPA 8260B	01/18/22	IG
n-Propylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Styrene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Tetrachloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Toluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,2,4-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
1,3,5-Trimethylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
Vinyl Chloride	<0.0010	0.00104	0.0065	µg/L	<1.0	1.0	7	µg/m3		0.13	EPA 8260B	01/18/22	IG

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Invoice No.	93884
Cust #	1003
Permit Number	
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 011 **SV-6-5**											Date & Time Sampled:	01/18/22 @	14:53
Sample Matrix: **Air**													
Purge Volume Sampled: **3**													
.....continued													
m,p-Xylenes	<0.0130	0.013	0.026	µg/L	<13.0	13.0	26	µg/m3		0.13	EPA 8260B	01/18/22	IG
o-Xylene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3		0.13	EPA 8260B	01/18/22	IG
[VOC Surrogates]													
Dibromofluoromethane	97		70-130	%REC							EPA 8260B	01/18/22	IG
Toluene-D8	111		70-130	%REC							EPA 8260B	01/18/22	IG
Bromofluorobenzene	99		70-130	%REC							EPA 8260B	01/18/22	IG

Respectfully Submitted: Ken Zheng

Ken Zheng - President

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL
B1= BOD blank is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution
E = Estimated value
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference
J = Analyte concentration detected between RL and MDL

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit
MDL = Method Detection Limit
Qual = Qualifier
Tech = Technician

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A & R Laboratories, Inc.

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ONTAIRO, CA 91761
909-781-6335
www.arlaboratories.com office@arlaboratories.com

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QUALITY CONTROL DATA REPORT

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN
735 E. CARNEGIE DR., STE. 280
SAN BERNARDINO, CA 92408

2201-00115

Date Reported	**01/19/2022**
Date Received	**01/18/2022**
Date Sampled	**01/18/2022**
Invoice No.	**93884**
Customer #	**1003**
Customer P.O.	

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Method # EPA 8260B
QC Reference # 100504 **Date Analyzed:** 1/18/2022 **Technician:** IG
Samples 001 002 003 004 005 006 007 008 009 010 011

Results

	LCS %REC	LCS %DUP	LCS %RPD	BLKSRR% REC
1,1-Dichloroethene	95	86	10.1	
Benzene	108	95	12.8	
Bromofluorobenzene				89
Chlorobenzene	110	96	13.7	
Dibromofluoromethan				90
Toluene	111	98	12.1	
Toluene-D8				116
Trichloroethene	111	99	11.1	

Control Ranges

LCS %REC	LCS %RPD	BLKSRR%REC
70 - 130	0 - 25	
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	
		50 - 150
70 - 130	0 - 25	

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2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN

Date Reported 01/19/2022
Date Received 01/18/2022
Date Sampled 01/18/2022

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL
100504	Acetone	<0.0650		µg/L	0.0650
	t-Amyl Methyl Ether (TAME)	<0.0065		µg/L	0.0065
	Benzene	<0.0031		µg/L	0.0031
	Bromobenzene	<0.0065		µg/L	0.0065
	Bromochloromethane	<0.0065		µg/L	0.0065
	Bromodichloromethane	<0.0065		µg/L	0.0065
	Bromoform	<0.0065		µg/L	0.0065
	Bromomethane	<0.0065		µg/L	0.0065
	t-Butanol (TBA)	<0.0650		µg/L	0.0650
	2-Butanone (MEK)	<0.0650		µg/L	0.0650
	n-Butylbenzene	<0.0065		µg/L	0.0065
	sec-Butylbenzene	<0.0065		µg/L	0.0065
	tert-Butylbenzene	<0.0065		µg/L	0.0065
	Carbon Disulfide	<0.0650		µg/L	0.0650
	Carbon Tetrachloride	<0.0033		µg/L	0.0033
	Chlorobenzene	<0.0065		µg/L	0.0065
	Chloroethane	<0.0065		µg/L	0.0065
	Chloroform	<0.0065		µg/L	0.0065
	Chloromethane	<0.0065		µg/L	0.0065
	2-Chlorotoluene	<0.0065		µg/L	0.0065
	4-Chlorotoluene	<0.0065		µg/L	0.0065
	Dibromochloromethane	<0.0065		µg/L	0.0065
	1,2-Dibromoethane (EDB)	<0.0065		µg/L	0.0065
	1,2-Dibromo-3-Chloropropane	<0.0065		µg/L	0.0065
	Dibromomethane	<0.0065		µg/L	0.0065
	1,2-Dichlorobenzene	<0.0065		µg/L	0.0065
	1,3-Dichlorobenzene	<0.0065		µg/L	0.0065
	1,4-Dichlorobenzene	<0.0065		µg/L	0.0065
	Dichlorodifluoromethane	<0.0065		µg/L	0.0065
	1,1-Dichloroethane	<0.0065		µg/L	0.0065
	1,2-Dichloroethane	<0.0065		µg/L	0.0065
	1,1-Dichloroethene	<0.0065		µg/L	0.0065
	cis-1,2-Dichloroethene	<0.0065		µg/L	0.0065
	trans-1,2-Dichloroethene	<0.0065		µg/L	0.0065
	1,2-Dichloropropane	<0.0065		µg/L	0.0065
	1,3-Dichloropropane	<0.0065		µg/L	0.0065
	2,2-Dichloropropane	<0.0065		µg/L	0.0065
	1,1-Dichloropropene	<0.0065		µg/L	0.0065
	cis-1,3-Dichloropropene	<0.0065		µg/L	0.0065
	trans-1,3-Dichloropropene	<0.0065		µg/L	0.0065
	Diisopropyl Ether (DiPE)	<0.0065		µg/L	0.0065
	Ethylbenzene	<0.0065		µg/L	0.0065
	Ethyl-t-Butyl Ether (EtBE)	<0.0065		µg/L	0.0065
	Hexachlorobutadiene	<0.0065		µg/L	0.0065
	2-Hexanone	<0.0650		µg/L	0.0650
	Isopropylbenzene	<0.0065		µg/L	0.0065
	4-Isopropyltoluene	<0.0065		µg/L	0.0065
	Methylene Chloride	<0.0065		µg/L	0.0065
	4-Methyl-2-Pentanone (MIBK)	<0.0650		µg/L	0.0650
	Methyl-t-butyl Ether (MtBE)	<0.0065		µg/L	0.0065
	Naphthalene	<0.0042		µg/L	0.0042
	n-Propylbenzene	<0.0065		µg/L	0.0065
	Styrene	<0.0065		µg/L	0.0065
	1,1,1,2-Tetrachloroethane	<0.0065		µg/L	0.0065
	1,1,2,2-Tetrachloroethane	<0.0065		µg/L	0.0065
	Tetrachloroethene	<0.0065		µg/L	0.0065
	Toluene	<0.0065		µg/L	0.0065
	1,2,3-Trichlorobenzene	<0.0065		µg/L	0.0065
	1,2,4-Trichlorobenzene	<0.0065		µg/L	0.0065
	1,1,1-Trichloroethane	<0.0065		µg/L	0.0065
	1,1,2-Trichloroethane	<0.0065		µg/L	0.0065
	Trichloroethene	<0.0065		µg/L	0.0065
	1,2,3-Trichloropropane	<0.0026		µg/L	0.0026
	Trichlorofluoromethane	<0.0065		µg/L	0.0065
	Trichlorotrifluoroethane	<0.0065		µg/L	0.0065
	1,2,4-Trimethylbenzene	<0.0065		µg/L	0.0065
	1,3,5-Trimethylbenzene	<0.0065		µg/L	0.0065
	Vinyl Chloride	<0.0010		µg/L	0.0010
	m,p-Xylenes	<0.0130		µg/L	0.0130
	o-Xylene	<0.0065		µg/L	0.0065
	Isopropanol (IPA)	<0.0650		µg/L	0.0650

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2201-00115

STANTEC CONSULTING SVCS., INC.
ALICIA JANSEN

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Date Received	**01/18/2022**
Date Sampled	**01/18/2022**

Project: 627 S. Bon View Ave., Ontario, CA 91761 / 227703324, Task 200

Respectfully Submitted: Ken Zheng

Ken Zheng - President

ARL

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1650 S. Grove Ave., Ste C, Ontario, CA 91761
Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344
E-mail: office@arlaboratories.com

CHAIN OF CUSTODY

227703324, TASK 200

A & R Work Order #: 2201-115

Page 1 of 1

Client Name: Stantec Consulting Svcs.
E-mail: alicia.jansen@stantec.com
Address: 735 E. Carnegie Dr., Ste. 280, San Bdno, CA 92408
Report Attention: Alicia J.
Phone # 909-255-8213
Fax: #
Sampled By: IG
Project No./ Name:
Project Site: 627 S Bon View Ave, Ontario, CA 91761

☐ Chilled ☑ Intact ☐ Seal

Turn Around Time Requested: ☐ Rush 8 12 24 48 Hours ☐ Normal MOBILE

Lab # (Lab use)	Client Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	Remarks
1	SV-8-5	1/18/22	10:37	AIR		250mL G	X									3X purge volume
2	SV-9-5	↓	11:09	↓		↓	↓									
3	SV-10-5		11:31													
4	SV-7-5		11:54													
5	SV-4-5		12:34													report in ug/m3
6	SV-1-5		12:56													
7	SV-2-5		13:19													
8	SV-3-5		13:41													
9	SV-5-5		14:03													
10	SV-5-5-DUP		14:03													
11	SV-6-5	↓	14:53	↓		↓	↓									

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Stantec	1-18-22	15:30	Isabel Ruiz	A&R	1-18-22	15:30
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.

Matrix Code: DW=Drinking Water; GW=Ground Water; WW=Waste Water; SD=Solid Waste; SL=Sludge; SS=Soil/Sediment; AR=Air; PP=Pure Product

Preservative Code: IC=Ice; HC=HCl; HN=HNO_3; SH=NaOH; ST=$Na_2S_2O_3$; HS=H_2SO_4

* Sample Container Types: T=Tedlar Air Bag; G=Glass Container; ST= Steel Tube; B= Brass Tube; P=Plastic Bottle; V=VOA Vial; E= EnCore

APPENDIX C

GPRS Job Summary and Figure

Job Summary

Job Date : 1/12/2022

Customer	Stantec Consulting Services Inc.	**Phone Number**	
Billing Address	**City**	**State**	**Zip**
735 E Carnegie Suite 280	San Bernardino	CA	92408

Job Details

Jobsite Location	627 S BON VIEW AVE
City	ONTARIO
State	CA

WA Number	321319
Job Num	227703324
PO Num	

Lead Technician	KNERR, CHRIS	**Phone**	**Email**	chris.knerr@gprsinc.com

Thank you for using GPRS on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS technician on this project.

EQUIPMENT USED

The following equipment was used on this project:

- Underground Scanning GPR antenna. Typically capable of detecting objects up to 8' deep or more in ideal conditions but maximum effective depth can vary widely and depends on site and soil conditions. Depth penetration is most commonly limited by moisture and clay/conductive soils. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors.
- Electromagnetic Pipe and Cable Locator. Detects electromagnetic fields. Used to actively trace conductive pipes and tracer wires, or passively detect power and radio signals traveling along conductive pipes and utilities. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors.

Work Performed

Ground Penetrating Radar Systems performed the following work on this project:

Underground Utility

The scope of work included scanning the specified area to locate underground utilities. A tracer signal was sent along any accessible metallic utility or tracer wire, and the area was scanned with GPR to locate any additional targets. The locations of any detected utilities and anomalies were marked directly at the site with paint, flags, stakes, or other appropriate means, and results were reviewed with onsite personnel unless otherwise noted.

- The scope of work included scanning the areas around proposed soil borings. A radius of approximately 10' around each proposed soil boring was scanned unless otherwise noted. A total of 5 boring locations were scanned.
- Clear and mark utilities for 5 proposed soil borings and do a scan on northern part of property for potential UST.
- The effective depth of GPR will vary throughout a site depending on surface and soil conditions. In this area, the maximum effective GPR depth was approximately 0-5 feet.

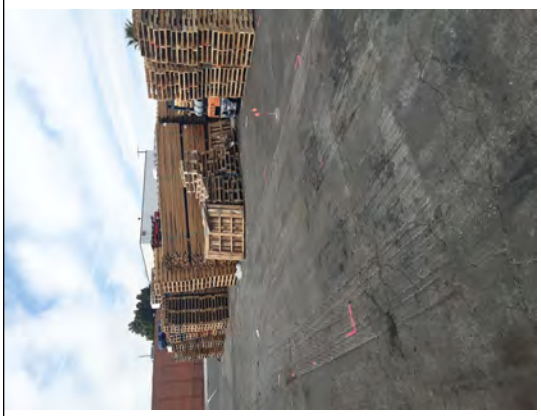
Job Summary

Job Date : 1/12/2022

- Marked all found utilities with color coded marking paint. Found one suspect area that could be possible excavation. Also found possible vent lines that were traced out to where possible UST is. Filled pallets in the way. Could not confirm UST.

Pictures

Utility Limitations



Job Summary

Job Date : 1/12/2022

TERMS & CONDITIONS

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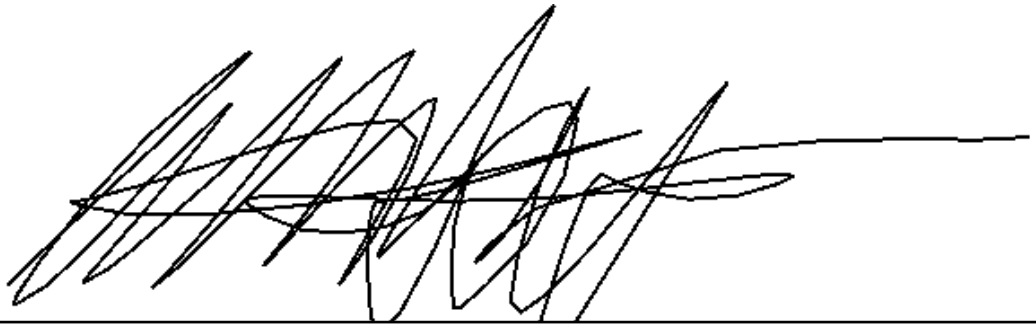
SIGNATURE

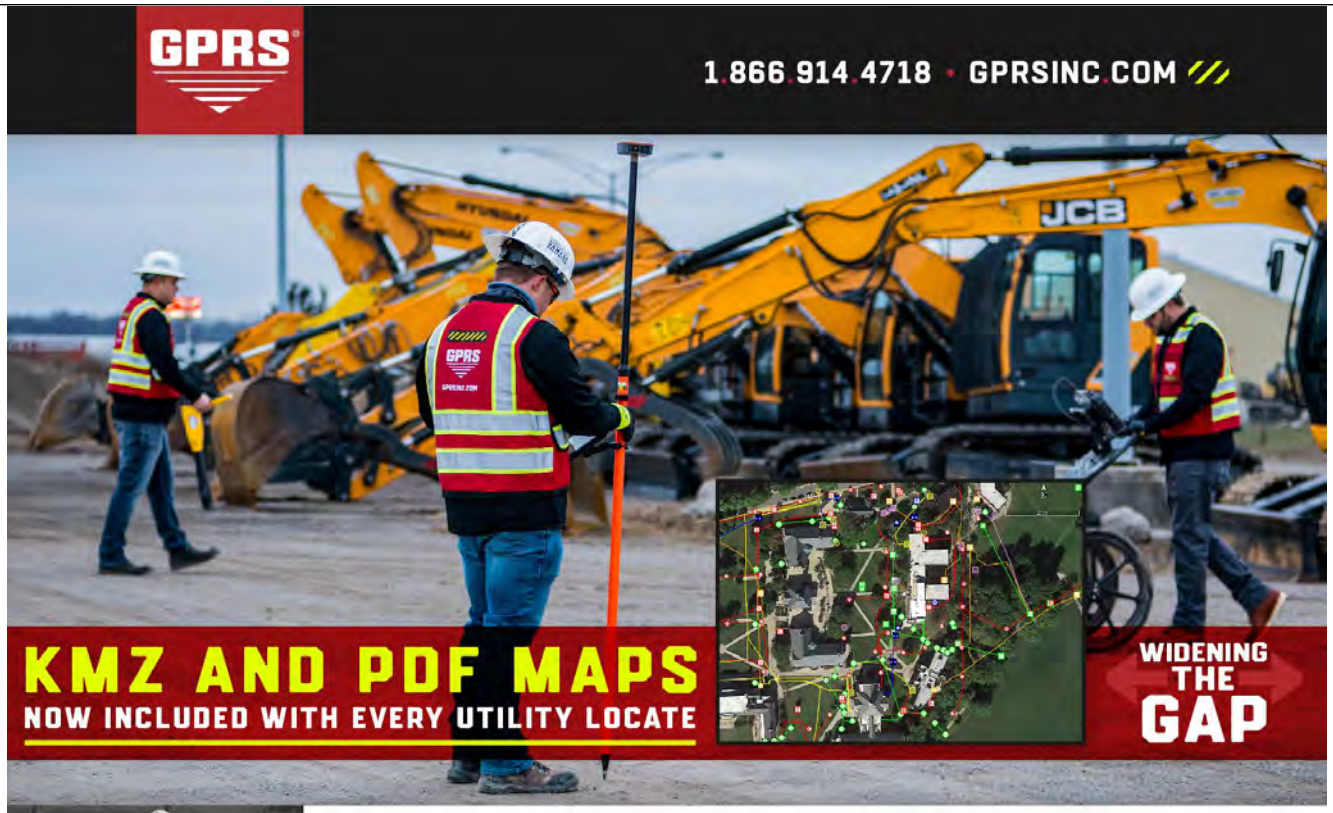


Contact Name

Mitchel Bohn **Joseph.otte@stantec.com**

Job Summary

Job Date : 1/12/2022



UTILITY LOCATING

To ensure the overall timely success of your project, utility detection is critical to any construction project where subsurface excavation is planned. If this critical first step is ignored, the risk for injury increases, budget overruns can multiply and your schedule can be delayed.

VIDEO PIPE INSPECTION

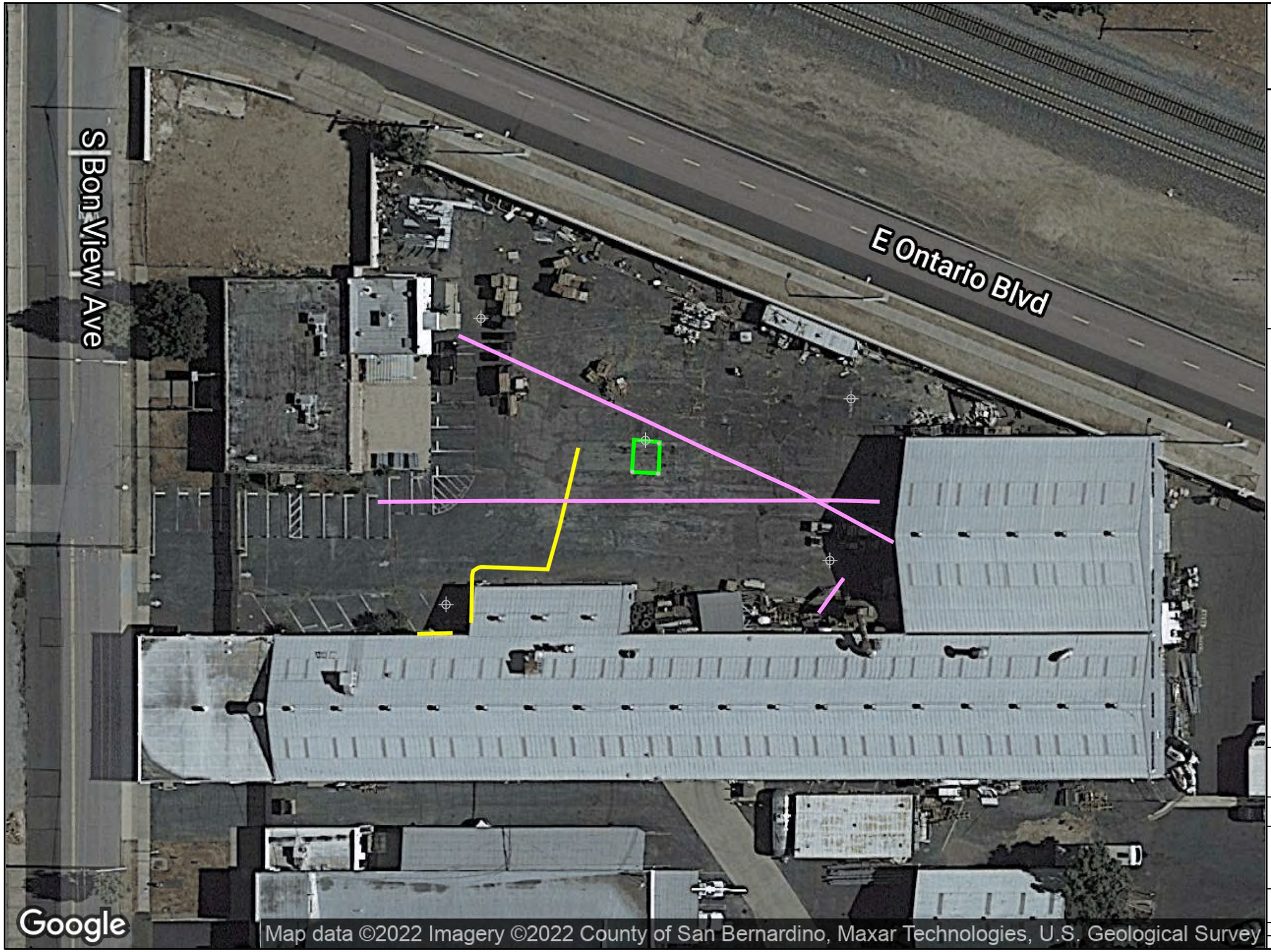
Video Pipe Inspection (CCTV) is a service used to inspect underground water, sewer and lateral pipelines. VPI is a great tool for investigating cross-bores, structural faults and damages, and lateral line inspection.

CONCRETE IMAGING

With new build construction and renovation projects, the likelihood of needing to cut or core concrete is high. There is an inherent risk of striking rebar, conduits, and post tension cables during the cutting or coring process. Our industry-leading concrete scanning services can mitigate the risks associated with saw cutting and core drilling concrete slabs.

MAPPING & MODELING

As-built utility maps, structural as-built drawings, and facility maps are actually meant to be "as-intended" drawings as the construction process or renovations can cause deviations to the original plan. GPRS can create a comprehensive facility map that contains precise as-built conditions – giving you peace of mind by knowing exactly what exists on your property.



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LEGEND

- FUEL/GAS/OIL
- MISCELLANEOUS
- UNKNOWN
- OBSTRUCTION/LIMITATION

0' 10' 20' 30' 40' 50'

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FOR INFORMATION ONLY

GPRS FINDINGS MAP

PREPARED FOR:
STANTEC

LOCATION:
627 S. BON VIEW AVE
ONTARIO, CA

PROJECT MANAGER:
CHRIS KNERR
CHRIS.KNERR@GPRSINC.COM

DATE	2022 JAN 12		
DRAWING NO.	1	**REV.**	0

321319

- AIR_COMPRESSOR
- AIR_CONTINUES
- AIR_EOI
- AIR_MANHOLE
- AIR_MISC
- AIR_PUMP
- AIR_RISER
- CHEM_AST
- CHEM_CONTINUES
- CHEM_EOI
- CHEM_MANHOLE
- CHEM_MISC
- CHEM_PUMP
- CHEM_TANK
- CHEM_VALVE
- COMM_BOX
- COMM_CAMERA
- COMM_CONTINUES
- COMM_EOI
- COMM_MANHOLE
- COMM_MISC
- COMM_PEDESTAL
- COMM_POLE
- COMM_VAULT
- ELEC_BOX
- ELEC_CABINET
- ELEC_CONTINUES
- ELEC_EOI
- ELEC_EQUIPMENT
- ELEC_LANDSCAPELIGHT
- ELEC_MANHOLE
- ELEC_METER
- ELEC_MISC
- ELEC_PANEL
- ELEC_POWERPOLE
- ELEC_SIGN
- ELEC_SITELIGHT
- ELEC_TRANSFORMER
- ELEC_UTILITYPOLE
- ELEC_VAULT
- FIRE_BACKFLOWPREVENTOR
- FIRE_CONTINUES
- FIRE_EOI
- FIRE_HYDRANT
- FIRE_MANHOLE
- FIRE_METER
- FIRE_MISC
- FIRE_POSTINDICATORVALVE
- FIRE_RISER
- FIRE_VALVE
- FUEL_AST
- FUEL_CONTINUES
- FUEL_EOI
- FUEL_MANHOLE
- FUEL_MISC
- FUEL_PUMP
- FUEL_RISER
- FUEL_UST
- FUEL_VALVE
- FUEL_VAULT
- FUEL_VENT
- GAS_AST
- GAS_CONTINUES
- GAS_EOI
- GAS_MANHOLE
- GAS_METER
- GAS_MISC
- GAS_PUMP
- GAS_RISER
- GAS_UST
- GAS_VALVE
- GAS_VAULT
- GAS_VENT
- IRR_BACKFLOWPREVENTOR
- IRR_CONTINUES
- IRR_CONTROL VALVE
- IRR_EOI
- IRR_MISC
- IRR_RISER
- IRR_SPRINKLER
- MISC_CONTINUES
- MISC_DEPTH
- MISC_EOI
- MISC_MANHOLE
- MISC_POINT
- MISC_VALVE
- OIL_CONTINUES
- OIL_EOI
- OIL_MANHOLE
- OIL_MISC
- OIL_PUMP
- OIL_RISER
- OIL_TANK
- OIL_UST
- OIL_VALVE
- OIL_VAULT
- OIL_VENT
- SAN_CLEANOUT
- SAN_CONTINUES
- SAN_EOI
- SAN_GREASETRAP
- SAN_INVERT
- SAN_LIFTSTATION
- SAN_MANHOLE
- SAN_MARKER
- SAN_MISC
- SAN_SEPTICTANK
- SAN_VAULT
- SAN_VENT
- STEAM_CONTINUES
- STEAM_EOI
- STEAM_MANHOLE
- STEAM_VALVE
- STRM CATCHBASINROUND
- STRM CATCHBASINSQUARE
- STRM_CLEANOUT
- STRM_CONTINUES
- STRM_ENDPIPE
- STRM_EOI
- STRM_LIFTSTATION
- STRM_MANHOLE
- STRM_MISC
- STRM_ROOFDRAIN
- STRM_TRENCHDRAIN
- STRM_UST
- STRM_VAULT
- STRM_VENT
- STRM_YARDBASIN
- TRAF_BOX
- TRAF_CABINET
- TRAF_CONTINUES
- TRAF_EOI
- TRAF_MANHOLE
- TRAF_MISC
- TRAF_PARKINGMETER
- TRAF_POLE
- TRAF_SIGN
- TRAF_SIGNAL
- TRAF_STREETLIGHT
- TREE_CONIFEROUS
- TREE_DECIDUOUS
- UNKN_CONTINUES
- UNKN_EOI
- UNKN_MANHOLE
- UNKN_MISC
- UNKN_VALVE
- WTR BACKFLOWPREVENTOR
- WTR_CONTINUES
- WTR_EOI
- WTR_HYDRANT
- WTR_MANHOLE
- WTR_METER
- WTR_MISC
- WTR POSTINDICATORVALVE
- WTR_RISER
- WTR_VALVE
- WTR_WELLHEAD
- BUILDING CORNER
- FLAGPOLE
- GRAVE
- GRAVE
- HEADSTONE NO GRAVE
- MAILBOX
- POST
- PROPOSED BY OTHERS
- SATELLITE
- SIGN
- SOIL BORING MARKER

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- FUEL/GAS/OIL
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GPRS IS NOT AFFILIATED WITH 811 BUT DOES RECOMMEND THAT THE SERVICE IS USED ON EVERY PROJECT IN ADDITION TO OUR OWN. SEE NOTE #6 ABOVE.

FOR INFORMATION ONLY

GPRS FINDINGS MAP

PREPARED FOR:
STANTEC

LOCATION:
627 S. BON VIEW AVE
ONTARIO, CA

PROJECT MANAGER:
CHRIS KNERR
CHRIS.KNERR@GPRSINC.COM

DATE	2022 JAN 12		
DRAWING NO.	2	**REV.**	0

321319

CITY OF ONTARIO

Engineering Department

Preliminary Water Quality Management Plan (PWQMP)

For compliance with Santa Ana Regional Water Quality Control Board

Order Number R8-2010-0036 (NPDES Permit No. CAS618036)

for

Project Name:	WPT Bon View and Ontario Avenues
Ontario Project #:	Ref: PPRE21-005
Project Description:	Industrial Redevelopment: 2 New Structures
Applicant Name:	WPT Capital Advisors, LLC.
Applicant Address:	150 S. 5th Street,# 2675, Minneapolis MN 55402
Project Address:	627 S. Bon View Avenue, Ontario CA
Size of Development:	10.2 acres gross

Submittal Date: 08/30/2022

Preliminary Water Quality Management Plan (PWQMP)

1. Introduction

The Preliminary Water Quality Management Plan (PWQMP) is a planning tool to improve integration of required water quality elements, stormwater management, water conservation, rainwater harvesting and re-use, and flood management in land use planning and the City's development process. The Preliminary WQMP will assist project applicants and planners in properly designing and laying out project sites so that water quality may be incorporated in the most effective manner and at the lowest cost for the developer.

The San Bernardino County Municipal Separate Storm Sewer System Permit (MS4 Permit) requires project-specific Water Quality Management plans (WQMP) to be prepared for all priority new development and significant redevelopment projects listed in Section 2 of this document. The MS4 Permit stipulates that the City of Ontario require priority project applicants to submit a Preliminary project-specific WQMP, as early as possible, during the environmental review or planning phase of a development project and that the Preliminary WQMP be approved prior to the issuance of land use entitlement.

2. Priority Projects (requiring a Preliminary WQMP)

Land Use entitlement shall not be issued for any of the listed projects, below, until a Preliminary WQMP has been approved by the City's Engineering Department. For construction projects not going through entitlement, a Preliminary and Final project-specific WQMP shall be approved, prior to the issuance of construction permits:

Check the appropriate project category below, for this project:

Check below	**Project Categories**
☑	1. All significant re-development projects. Significant re-development is defined as the addition or replacement of 5,000 or more square feet of impervious surface on an already developed site subject to discretionary approval of the Permittee. Redevelopment does not include routine maintenance activities that are conducted to maintain original line and grade, hydraulic capacity, original purpose of the facility, or emergency redevelopment activity required to protect public health and safety. Where redevelopment results in an increase of less than fifty percent of the impervious surfaces of a previously existing developed site, and the existing development was not subject to WQMP requirements, the numeric sizing criteria discussed below applies only to the addition or replacement, and not to the entire developed site. Where redevelopment results in an increase of fifty percent or more of the impervious surfaces of a previously existing developed site, the numeric sizing criteria applies to the entire development (new and existing).

Check below	Project Categories
☐	2. New development projects that create 10,000 square feet or more of impervious surface (collectively over the entire project site) including commercial, industrial, residential housing subdivisions (i.e., detached single family home subdivisions, multi-family attached subdivisions or townhomes, condominiums, apartments, etc.), mixed-use, and public projects. This category includes development projects on public and private land, which fall under the planning and building authority of the permitting agency.
☐	3. Automotive repair shops (with SIC codes 5013, 5014, 5541, 7532- 7534, 7536-7539).
☐	4. Restaurants and Food Service Establishments where the land area of development is 5,000 square feet or more.
☐	5. Developments of 2,500 square feet of impervious surface or more adjacent to (within 200 feet) or discharging directly into environmentally sensitive areas (ESA's) such as areas designated in the Ocean Plan as areas of special biological significance or waterbodies listed on the CWA Section 303(d) list of impaired waters.
☑	6. Parking lots of 5,000 square feet or more exposed to storm water. Parking lot is defined as land area or facility for the temporary storage of motor vehicles.
☐	7. Retail Gasoline Outlets (RGOs) that are either 5,000 sq ft or more, or have a projected average daily traffic of 100 or more vehicles per day.
☐	8. *This project is not covered under any of the categories listed above.

* If the development is not covered under any of the project categories listed in Section 2, the project is not required to design and install Site Design/LID BMPs or Treatment Control BMPs to treat the design storm event (Design Capture Volume) described in Section 4.

3. Preliminary WQMP Objectives

Through a combination of Site Design/LID BMPs (where feasible), Source Control, and/or Treatment Control BMPs, project-specific WQMPs shall address all identified pollutants and hydrologic conditions of concern from new development and significant re-development projects for the categories of projects (priority projects) listed in Section 2. Under each type of BMP, listed below, please indicate which BMPs are planned to be implemented and included in the Final WQMP for the project:

A. Site Design/LID (Low Impact Design) for Reducing Stormwater Runoff:

The MS4 Permit requires each priority development project to infiltrate, harvest and use, evapotranspire, or bio-treat the runoff from a 2-yr, 24-hour storm event (Design Capture Volume). If site conditions do not permit infiltration, harvest and use, evapotranspiration, and/or bio-treatment of the entire Design Capture Volume, at the project site, Site Design/LID techniques are required to be implemented to the Maximum Extent Practicable, at the project site, and the remainder of the DCV shall be infiltrated, harvested, bio-treated or treated by alternative measures.

Project applicants shall submit a Preliminary WQMP that documents the LID/Site Design BMPs, proposed for the project. Please indicate, in the table below, which Site Design/LID BMPs will be utilized on this project to accomplish this requirement:

Site Design/LID Practice	Planned	Not Planned
Provide at least the minimum effective area required for LID BMPs, to comply with the WQMP (see Table 3-1 below).	✓	
Grade parking lot areas/drive aisles/roof drains to sheet flow runoff into landscaped swales, via curb cuts or zero-face curbs or otherwise disconnect direct drainage from MS4.	✓	
Design landscaped areas as swales and grade to accept runoff from building roofs, parking lots and project roadways.	✓	
Install surface retention basins or infiltration trenches to receive impervious area runoff.	✓	
Install pervious pavement in parking stalls, alleys, driveways, gutters, walkways, trails or patios.		✓
Install underground stormwater retention chambers where downstream landscaped areas are limited.	✓	
Install approved Stormwater Drywells in detention areas.		✓
Construct streets, sidewalks, and parking lot stalls to the minimum widths necessary.	✓	
Install on-site Biotreatment basins/trenches with underdrains, where soil type is poorly draining.		✓
Install "Engineered Soil" to increase uptake/soil storage capacity and/or evapotranspiration.		✓
Install Rainwater Harvesting/Use Equipment.		✓
Utilize approved off-site retention/infiltration, biotreatment or proprietary treatment, where it is infeasible to install, on-site.		✓

Table 3-1 Minimum Effective Area[1] Required for LID BMPs (surface + subsurface facilities) for Project WQMP to Demonstrate Infeasibility[2] (% of site)

Project Type	New Development	Re-Development
SF/MF Residential < 7 du/ac	10%	5%
SF/MF Residential < 7 - 18 du/ac	7%	3.5%
SF/MF Residential > 18 du/ac	5%	2.5%
Mixed Use, Commercial/Industrial w/FAR< 1.0	10%	5%
Mixed Use, Commercial/Industrial w/FAR 1.0-2.0	7%	3.5%
Mixed Use, Commercial/Industrial w/FAR> 2.0	5%	2.5%
Podium (parking under > 75% of project)	3%	1.5%
Zoning allowing development to property lines	2%	1%
Transit Oriented Development[3]	5%	2.5%
Parking	5%	2.5%

[1] "Effective area" is defined as land area which 1) is suitable for a retention/infiltration BMP (based on infeasibility criteria) and 2) is located down-gradient from building roof or paved areas, so that it may receive gravity flow runoff.

[2] Criteria only required if the project WQMP seeks to demonstrate that the full DCV cannot be feasibly managed on-site.
[3] Transit oriented development is defined as a project with development center within one half mile of a mass transit center.
Key: du/ac = dwelling units/acre, FAR = Floor Area Ratio = ratio of gross floor area of building to gross lot area, MF = Multi Family, SF = Single Family

B. Source Control BMPs – The following BMPs are designed to control stormwater pollutants and runoff water at the location where it is generated. Please indicate which of the listed BMPs are planned to be implemented for the project:

Source Control BMPs	Planned	Not Planned
Minimize non-stormwater site runoff through efficient irrigation system design and controllers.	✓	
Minimize trash and debris in storm runoff through a regular parking lot, storage yard and roadway sweeping program.	✓	
Provide proper covers/roofs and secondary containment for outside material storage & work areas.	✓	
Provide solid roofs over all trash enclosures.	✓	
Site Owner(s)/Property Manager/HOA or POA will be familiar with the project WQMP and stormwater BMPs.	✓	
Owner or HOA or POA to provide Education/Training of site occupants and employees on stormwater BMPs.	✓	
Install stormwater placards/stenciled messages with a "No Dumping" message on all on-site/off-site storm drain inlets.	✓	
Provide contained equipment/vehicle wash rack areas that discharge to sanitary sewer.		✓

C. Treatment Control BMPs – The following BMPs are designed to control stormwater pollutants where it is not feasible to install on-site Site Design/LID BMPs, with the requisite capacity to treat the Design Capture Volume for identified Pollutants of Concern or where pretreatment of stormwater runoff is required, ahead of infiltration BMPs. Please indicate which of the listed BMPs are planned to be implemented for the project:

Treatment Control BMP	Planned	Not Planned
Gravity Separator devices for pretreatment of sediment, trash/litter or Oil & Grease	✓	
Proprietary Biofiltration vaults/devices		✓
Media Cartridge Filtration Vaults		✓
Proprietary Filter Inserts for on-site storm drain inlets or retention basin/trench overflow drains	✓	
Regional Treatment facilities are installed or are planned for installation, off-site, and provide a superior level of treatment or clear advantage to on-site treatment BMPs		✓

4. Volume-based calculation (approximate) for sizing on-site or off-site Stormwater Retention/Infiltration, Harvest & Re-Use or Biotreatment facilities

1) Calculate the "Watershed Imperviousness Ratio", i, which is equal to the percent of impervious area in the BMP Drainage Area divided by 100.

2) Calculate the composite runoff coefficient C_{BMP} for the Drainage Area above using the following equation:

$$\mathbf{C_{BMP} = 0.858i^3 - 0.78i^2 + 0.774i + 0.04}$$

where: $\mathbf{C_{BMP}}$ = composite runoff coefficient; and,

i = watershed imperviousness ratio.

3) Determine the area-averaged "6-hour Mean Storm Rainfall", P_6, for the Drainage Area. This is calculated by multiplying the area averaged 2-year 1-hour value (0.55"-0.6") by the appropriate regression coefficient from Table 1 (1.4807). The 2-yr, 1-hr value for southern Ontario is approximately to 0.5" (P_6 = 0.5*1.4807 = 0.74 and northern Ontario is approximately 0.6" in/hr (P_6 = 0.6*1.4807 = 0.89).

4) Determine the appropriate drawdown time. Use the regression constant a = 1.582 for 24 hours and a = 1.963 for 48 hours. *Note: Regression constants are provided for both 24 hour and 48 hour drawdown times; however, 48 hour drawdown times should be used in most areas of California. Drawdown times in excess of 48 hours should be used with caution as vector breeding can be a problem after water has stood in excess of 72 hours. (Use of the 24 hour drawdown time should be limited to drainage areas with coarse soils (Class 'A' soils, that readily drain.)*

5) Calculate the "Maximized Detention Volume", P_0, using the following equation:

$$\mathbf{P_0 = a \cdot C_{BMP} \cdot P_6}$$

where: $\mathbf{P_0}$ = Maximized Detention Volume, in inches

a = 1.582 for 24 hour and a = 1.963 for 48 hour drawdown,

$\mathbf{C_{BMP}}$ = composite runoff coefficient; and,

$\mathbf{P_6}$ = 6-hour Mean Storm Rainfall, in inches

6) Calculate the "Target Capture Volume", V_0, using the following equation:

$$\mathbf{V_0 = (P_0 \cdot A) / 12}$$

where: $\mathbf{V_0}$ = Target Capture Volume, in acre-feet

$\mathbf{P_0}$ = Maximized Detention Volume, in inches; and,

A = BMP Drainage Area, in acres

Project Volume-based calculation (approximate) for planned on-site or off-site Stormwater Retention/Infiltration, Harvest & Re-Use or Biotreatment facilities:

Variable	Factor/Formula	Area 1 Result	Area 2 Result	Area 3 Result	Area 4 Result
Ratio of impervious surface/total site surface	(i)	77.2	89.0	91.4	
C_{BMP}= runoff coefficient	$0.858i^3 - 0.78i^2 + 0.774i + 0.04$ =	0.57	0.72	0.75	
P_6 2-yr 1hr=0.608	**P_6 = 2-yr,1- hr depth*1.4807 =	0.90	0.90	0.90	
Detention Volume-acre inches	P_0 = a * C_{BMP} * P_6 =	1.007	1.272	1.325	
Drawdown rate of basin/trench (a)	1.582 for 24-hr drawdown or 1.963 for 48-hr drawdown =	1.963	1.963	1.963	
Project Total Area (ac)	(A)	3.0	5.1	2.1	
Design Capture Volume, cu. ft. (DCV)	$V_0 = [(P_0 * A)/12]*43560$ =	10,966 c.f.	23,688 c.f.	10,101 c.f.	
Water Volume infiltrated in first 3 hrs of storm	Vol= in/hr/12 x ft^2 of infiltration area x 3 hrs 14.4in/hr w/ f.s. (2.5)=5.8in/hr = 0.48 ft/hr	3,400 c.f.	8,900 c.f.	4,300 c.f.	
Retention/treatment Volume provided, cu. ft.	Retention capacity of basins, trenches, underground system or biotreatment proposed	12,100 c.f.	26,100 c.f.	11,100 c.f.	

**For P_6 value, use site coordinates and NOAA website to determine project's average 2-yr, 1-hr rainfall depth, at: http://hdsc.nws.noaa.gov/hdsc/pfds/sa/sca_pfds.html .

5. Hydrologic Conditions of Concern (HCOC) and use of the on-line San Bernardino County HCOC Map for determining necessary mitigation steps necessary if there are HCOCs downstream of a project:

Project applicants may access the on-line HCOC Map at: http://sbcounty.permitrack.com/WAP/ . The map will indicate any hydrology concerns with downstream waterways that are hydraulically connected to the project and will indicate if there are any approved regional projects downstream that could be utilized for off-site mitigation of HCOCs. Please indicate here if the project will or will not be able to retain/infilter, harvest and use or biotreat and detain the DCV, on-site, as calculated in Section 4 and if there are HCOCs identified downstream of the project:

Retain or Harvest/Use the DCV on site?	Yes	✓	No	
Biotreat the DCV but not infilter the runoff?	Yes		No	✓
HCOCs identified downstream of site?	Yes		No	✓

If the entire DCV will not be retained on site, the DCV is biotreated but not infiltered or additional detention capacity is needed to address identified HCOCs, downstream of the site, please list here, what additional mitigation measures will be utilized (on-site or off-site) to address HCOCs (see Section 4.2.1-4.2.3 of the SB County WQMP Technical Guidance):

100 percent of the Site is within an HCOC Exempt area.

6. Site Plan and Conceptual Grading/Drainage Plan requirements for submission with the Preliminary WQMP:

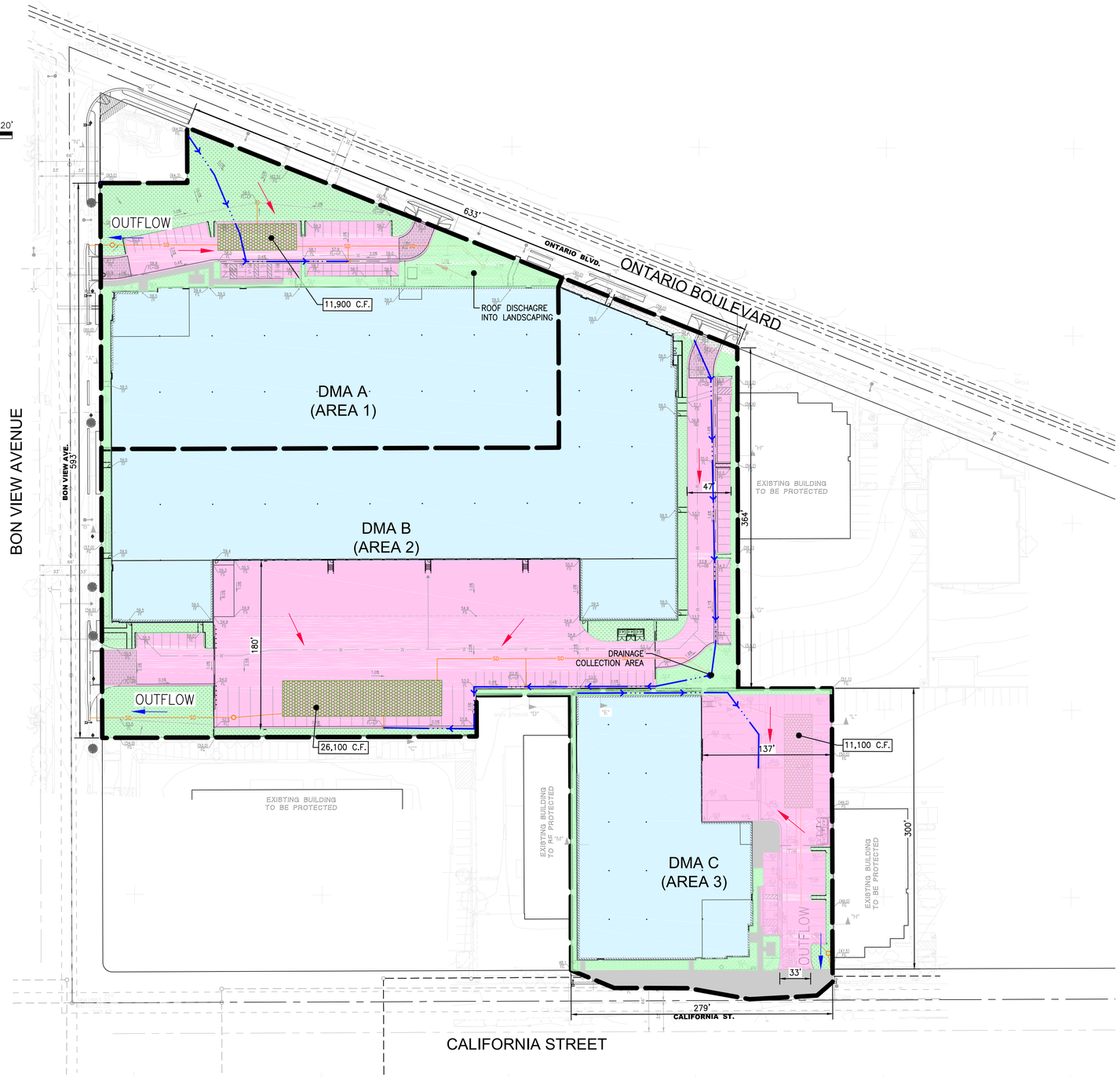
Provide a Site Plan and Conceptual Grading/Drainage Plan along with this Preliminary WQMP, which conceptually shows the proposed locations of buildings, homes, parking lots, parks, new paved roadways, landscaped areas, drainage patterns and drainage sub-areas, methods of conveyance, proposed retention/infiltration, harvest & use or biotreatment facilities that are planned for installation. Where it is determined to be infeasible to capture and detain design storm runoff volumes, on-site, please include other design features, as described in Section 3, above. Include numbered or lettered notes on the Site Plan with a legend detailing other BMPs, as described in Section 3.

I. WQMP SITE PLAN: PRELIMINARY

GRAPHIC SCALE

0 60' 120'

1 INCH = 60 ft.



VICINITY MAP

LEGEND

- PROPOSED CONCRETE PAVEMENT
- PROPOSED CONCRETE WALK
- PROPOSED WATER QUALITY UNDERGROUND CHAMBERS
- PROPOSED LANDSCAPE
- PROPOSED BUILDING
- DRAINAGE BOUNDARY
- SD — PROPOSED STORM DRAIN
- DIRECTION OF SURFACE FLOW
- PIPEFLOW DISCHARGE PATH

DRAINAGE AREA MANAGEMENT: SUMMARY TABLE

	DMA A	DMA B	DMA C
LANDSCAPE:	.....	**11%**	**8.6%**
IMPERVIOUS:	**77.2%**	**89%**	**91.4%**
TOTAL:	**3.0AC**	**5.1AC**	**2.1 AC**

PRELIMINARY STUDY AUGUST 2022

PREPARED BY:

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PREPARED FOR:

WPT CAPITAL ADVISERS, LLC
150 SOUTH 5TH STREET, SUITE 2675
MINNEAPOLIS, MN 55402 PH: (616) 800-8503

WQMP SITE PLAN (GRADING)
FOR
BON VIEW & CALIFORNIA ST.
ONTARIO, CA

2042639000

SHEET 1 OF 1

DRAWING: o:\2042639000\planning\exhibit_files\639000c-px7007.dwg PLOTTED: 8/31/2022 9:24 AM BY: Delgado, Vince

II. WORKSHEETS - DESIGN CAPTURE VOLUME

Computation for Bldg. 1 _ North Chambers		
Drainage Area - Area A		
DA (sq. ft.)=	130,680	
	DA-Acres	3
A) Watershed Imperviousness Ratio		
	Impervious Percent	77.2
B) Composite Ruoff Coefficient		
Cbmp=0.858*(Imp%)^3-(0.78*(Imp%)^2)+(0.774*(Imp%)+0.04		
where:		
Cbmp= Composite runoff Coefficient; and		
Imp%= imperviousnss ratio		
	Cbmp=	0.57
C) Compute 6-hour Mean Storm Rainfall		
	NOAA 2yr, 1-hr depth	0.608
	a1=	1.4807
P6=P2-yr, 1hr * a1		
	P6=	0.90
D) Select Drawdown Time		
a2=1.582 for 24-hr drawdown or 1.963 for 48-hr drawdown		
	a2=	1.963
E) Maximum Detention Volume (P0)		
P0= a2 * Cbmp * P6		
	P0 (inches)	1.007
F) Target Capture Volume (V0)		
V0= (P0 * A) / 12		
	DCV (Cu-Ft)=	**10966**
	DCV (Ac-Ft)=	**0.252**

For Preliminary Sizing - Basin Volume Safety Factor of 1.1 is applied.

>> Target = 12,100 cu.ft.

calculations per City of Ontario, CA Preliminary WQMP criteria

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Computation for Bldg. 1 -South Chambers		
Drainage Area - Area B		
DA (sq. ft.)=	223,463	
	DA-Acres	5.13
A) Watershed Imperviousness Ratio		
	Impervious Percent	89
B) Composite Ruoff Coefficient		
Cbmp=0.858*(Imp%)^3-(0.78*(Imp%)^2)+(0.774*(Imp%)+0.04		
where:		
Cbmp= Composite runoff Coefficient; and		
Imp%= imperviousnss ratio		
	Cbmp=	0.72
C) Compute 6-hour Mean Storm Rainfall		
	NOAA 2yr, 1-hr depth	0.608
	a1=	1.4807
P6=P2-yr, 1hr * a1		
	P6=	0.90
D) Select Drawdown Time		
a2=1.582 for 24-hr drawdown or 1.963 for 48-hr drawdown		
	a2=	1.963
E) Maximum Detention Volume (P0)		
P0= a2 * Cbmp * P6		
	P0 (inches)	1.272
F) Target Capture Volume (V0)		
V0= (P0 * A) / 12		
	DCV (Cu-Ft)=	**23688**
	DCV (Ac-Ft)=	**0.544**

For Preliminary Sizing - Basin Volume Safety Factor of 1.1 is applied

>> Target =26,100 cu.ft.

calculations per City of Ontario, CA Preliminary WQMP criteria

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Computation for Bldg. 2		
Drainage Area - Area C		
DA (sq. ft.)=	91,476	
	DA-Acres	2.1
A) Watershed Imperviousness Ratio		
	Impervious Percent	91.4
B) Composite Ruoff Coefficient		
Cbmp=0.858*(Imp%)^3-(0.78*(Imp%)^2)+(0.774*(Imp%)+0.04		
where:		
Cbmp= Composite runoff Coefficient; and		
Imp%= imperviousnss ratio		
	Cbmp=	0.75
C) Compute 6-hour Mean Storm Rainfall		
	NOAA 2yr, 1-hr depth	0.608
	a1=	1.4807
P6=P2-yr, 1hr * a1		
	P6=	0.90
D) Select Drawdown Time		
a2=1.582 for 24-hr drawdown or 1.963 for 48-hr drawdown		
	a2=	1.963
E) Maximum Detention Volume (P0)		
P0= a2 * Cbmp * P6		
	P0 (inches)	1.325
F) Target Capture Volume (V0)		
V0= (P0 * A) / 12		
	DCV (Cu-Ft)=	**10101**
	DCV (Ac-Ft)=	**0.232**

For Preliminary Sizing - Basin Volume Safety Factor of 1.1 is applied

>> Target = 11,100 cu.ft.

calculations per City of Ontario, CA Preliminary WQMP criteria

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Preliminary Hydrology Report

Tentative Parcel Map 20582
City of Ontario Reference: PPRE 21-005
APN 1049-181-14
627 South Bon View Avenue
Ontario, CA

August 30, 2022

Prepared for:

WPT Capital Advisors, LLC
150 South 5th Street, Ste. 2675
Minneapolis, MN 55402

Prepared by:

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Vince Delgado Jr.
Under supervision of:

08/31/22
Stephen F. Crevoiserat, PE

JN: 2042639000.200.006

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4.0 SUMMARY AND CONCLUSIONS....5

5.0 APPENDICES....I

1.0 PURPOSE

The purpose of this report is to prepare preliminary hydrologic calculations for two proposed light industrial buildings to be located on the former Fleet RV & Boat Storage facility at 627 South Bon View Avenue in the City of Ontario. This study is prepared at the request of WPT Capital Advisors, *the Client,* as a component of the submittal application for a Tentative Parcel Map.

The Tentative Map includes two (2) proposed parcels, one sized at 1.93 acres and the other at 8.12 acres. There is one industrial building planned for each parcel. The larger parcel is arranged with a 192,400 S.F. structure, while the smaller parcel is configured with a 46,100 S.F. structure. The Land Use for both parcels are compatible with the City's General Plan designation of "General Industrial".

This preliminary study examines drainage characteristics and patterns of the on-site watershed in regard to distribution and management of storm water run-off.

VICINITY MAP

VICINITY MAP
NOT TO SCALE

PREPARED BY:	PREPARED FOR:	
Stantec 735 E. Carnegie Drive, Suite 280 San Bernardino, CA 92408 909.335.6116 stantec.com	**WPT CAPITAL ADVISERS, LLC** **150 SOUTH 5TH STREET, SUITE 2675** **MINNEAPOLIS, MN 55402** **PH: (616) 800-8503**	Tentative Parcel Map 20582 627 South Bon View Avenue Ontario, California

2.0 PROJECT DESCRIPTION

Geographically located within the County's Cucamonga Creek watershed and the City's Old Model Colony MPD Area, the project site is south of Ontario Boulevard and east of Bon View Avenue, approximately 100-feet south of the East State Street Storm Drain. The East State Street Storm Drain is a Master Plan of Drainage facility and as situated, it does not accept discharge from the site, as the site is downstream of the facility. Consequentially, there are no off-site flows impacting the project.

2.1 SITE:

On-site, the terrain naturally slopes from northwest to southeast with the site separated into three distinct subarea drainage points of concentration. This study investigates each concentration point with separate subarea analysis of each. Drainage subareas A, B and C are depicted on the Hydrology Maps.

The concentration point for Drainage Area A is located at an existing SUMP condition on the north side of an existing building (Structure No. 3). In the pre-project condition, there are signs of pavement cracking with no obvious outlet or underground storage for this SUMP condition. If an existing storage tank or conduit are found, each shall be removed during the demolition phase of the on-site construction effort. In the proposed condition (post-project) for this drainage area; storm flows will be collected, and conveyed via storm drain pipe into a proposed underground storage chamber.

Based on an evaluation of topographic mapping, the concentration point for existing Drainage Area B is located approximately 50 feet west of existing Structure No. 6. Any secondary overflow would have continued onto the adjacent property to the south and would have made its way to California Street. In the proposed condition, storm flows from drainage Area B will be collected and conveyed via storm drain pipe into a proposed underground storage chamber. Chamber outflow will be directed to Bon View Avenue via a parkway drain. Bon View Avenue drains to California Street.

The existing concentration point for Drainage Area C is located at the southeasterly project boundary abutting California Street. In the proposed condition, storm flows from this drainage area will be collected and conveyed via storm drain pipe into a proposed underground storage chamber. Chamber outflows are directed to California street to mimic the existing condition.

3.0 METHODOLOGY AND FINDINGS

The project is designed to follow the Rational Method of the San Bernardino County Hydrology manual and a simple Triangular Hydrograph was used for calculating and mitigating 80% of a 100-year peak flow event in the post-development condition. The proposed project replicates existing flow patterns and maintains existing discharge locations. Flood protection will be

provided by the combination of Low Impact Development (LID) practices to the maximum extent practicable, a storm drain network and conveyance of flow through landscaped areas and PCC swales, curb/ gutter and SD piping. The proposed storm drain network features include infiltration-based underground storm detention chambers for each of the drainage sub-areas. Per the project Triangular method hydrograph calculations, the required 80% of the 100-year peak volume that needs to be mitigated is 6,660 CF for Area A; 12,960 CF for Area B; 1,530 CF for Area C. However, required Water Quality Design Capture Volumes for these same sub-drainage areas far exceed the Hydrograph mitigation volumes required of 80% of the 100-year peak flow event. As such, after applying a basin volume safety factor of 1.1, the targeted detention volumes provided are as follows: 12,100 CF for Area A; 26,100 CF for Area B; 11,100 CF for Area C. The proposed drainage layout is shown on the Grading Exhibit which is included in the Appendix.

Consistent with the San Bernardino County Hydrology Manual, the peak discharge was determined per the Rational Method. The peak values are a result of hydrology models processed with the use of Civil Design Engineering Software Version 7.1. Flood protection of the building is designed for a 100-year storm event and retention facilities are designed to mitigate the increase of storm volume for a 100-year peak storm event.

4.0 SUMMARY AND CONCLUSIONS

This report is intended for planning purposes in preparation of Tentative Parcel Map 20582.

Storm volumes for rational method peak mitigation were compared to the design capture volumes (DCV) from the Preliminary WQMP and the prevailing volume is determined to be the water quality volume of the PWQMP. As such, the chamber system is sized based on water quality volumes.

Detailed hydraulics are not included in this study and subsequent analysis is required: to size storm drain conduits, to refine sizing of retention facilities and, to design outlet pumps for flows that exceed the chamber capacity. Future analysis to also apply results from infiltration tests, which may impact the size and magnitude of the chamber systems.

Through the construction of the proposed drainage system, and a quality maintenance program, it is concluded that flood protection is provided for 100-year storm events.

5.0 APPENDICES

I. TENTATIVE PARCEL MAP 20582

II. HYDROLOGY MAPS

III. HYDROLOGY MODELS – RATIONAL METHOD AND STORM HYDROGRAPHS

IV. PRELIMINARY GRADING PLAN

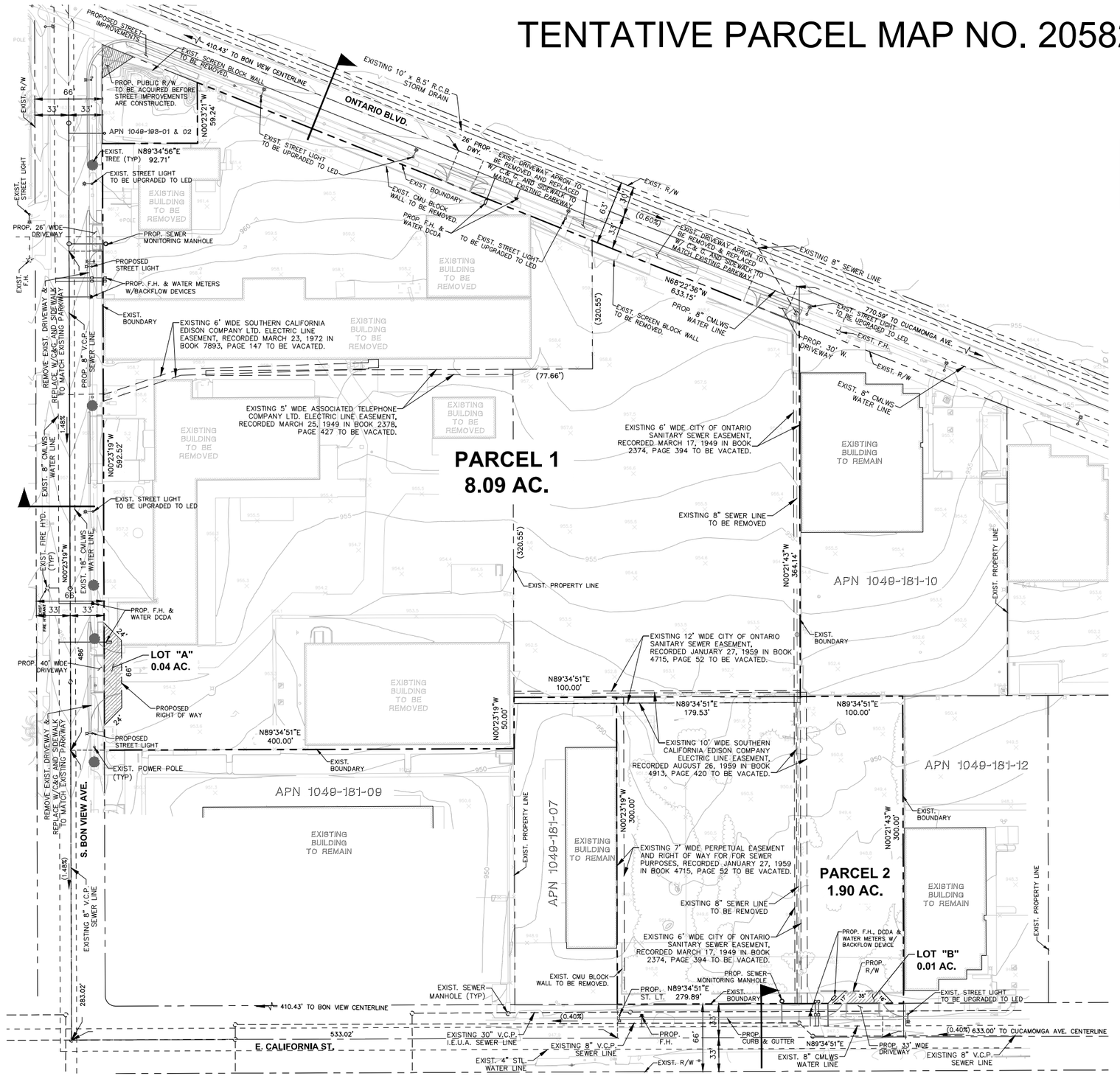
V. NOAA RAINFALL DATA

VI. SOILS INFILTRATION TESTING

VII. NRCS SOILS REPORT

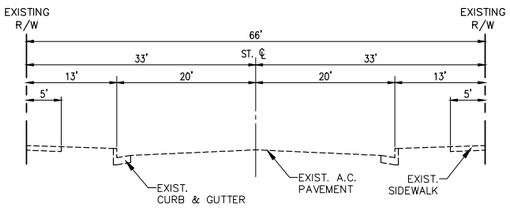
I. TENTATIVE PARCEL MAP 20582

TENTATIVE PARCEL MAP NO. 20582



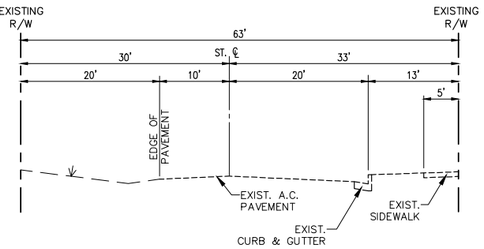
PARCEL	AREA	LOT	AREA
1	8.09 AC	LOT "A"–BON VIEW AVE. R/W DEDICATION.	0.04 AC
2	1.90 AC	LOT "B"–CALIFORNIA ST. R/W DEDICATION	0.01 AC
TOTAL: 10.00 AC		TOTAL: 0.05 AC	
GRAND TOTAL: 10.05 AC			

VICINITY MAP



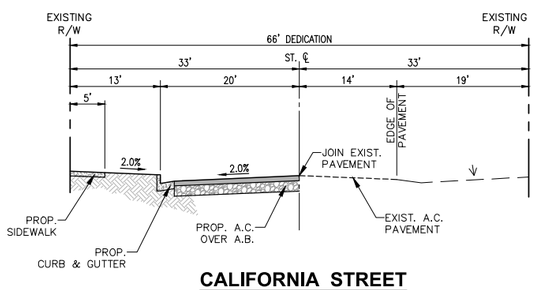
BON VIEW AVENUE

EXISTING LOCAL STREET



ONTARIO BOULEVARD

EXISTING LOCAL STREET



CALIFORNIA STREET

EXISTING LOCAL STREET

OWNER:
FLEET RV & BOAT STORAGE, LLC.
6275 BON VIEW AVE.
ONTARIO, CA 91761
(909) 988–2800

DEVELOPER:
WPT CAPITAL ADVISERS, LLC.
150 S. 5th ST., SUITE 2675
MINNEAPOLIS, MN 55402
(616) 800–8503

ENGINEER:
STANTEC CONSULTING, INC.
735 E. CARNEGIE DRIVE, SUITE 280
SAN BERNARDINO, CA 92408
ATT: STEPHEN CREVOISERAT, PE.
R.C.E. # 78576
(949) 537–1300

ARCHITECT:
RGA OFFICE–ARCHITECTURAL DESIGN
15231 ALTON PARKWAY, SUITE 100
IRVINE, CA 92618
(949) 341–0920

SOILS ENGINEER:
NOVA SERVICES, INC.
944 CALLE AMANECER, SUITE "F"
SAN CLEMENTE, CA 92673
(949) 388–7710

LEGAL DESCRIPTION:
PARCEL 1 OF PARCEL MAP 11929 PER MAP RECORDED IN BOOK 152, PAGES 83 TROUGH 84, INCLUSIVE, RECORDS OF SAN BERNARDINO COUNTY.

TOGETHER WITH PARCEL 1 AS SHOWN ON LOT LINE ADJUSTMENT NO. LLA–14–009, PER DOCUMENT RECORDED DECEMBER 16, 2014 AS INSTRUMENT NO. 2014–0478738, OFFICIAL RECORDS OF SAID COUNTY.

RECOGNIZED PARCEL IN THE CITY OF ONTARIO PER CERTIFICATE OF COMPLIANCE NO. CC15–006.

ACREAGE:
GROSS & NET: 10.05 AC.

ASSESSOR'S MAP:
ASSESSOR'S PARCEL NO: 1049–181–14

LEGEND

- MAP BOUNDARY
- EXIST. PARCEL LINE
- PROPOSED R/W
- EXIST. EASEMENT TO BE VACATED
- EXIST. WATER LINE
- EXIST. SEWER LINE
- EXIST. TREE
- EXIST. STREET LIGHT
- FIRE HYDRANT
- EXIST. FIRE HYDRANT
- EXIST. POWER POLE
- CMLWS CEMENT MORTAR LINED WELDED STEEL

AUGUST 2022

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

NORTH

REGISTERED PROFESSIONAL ENGINEER STEPHEN T. CREVOISERAT 78576 CIVIL STATE OF CALIFORNIA

PREPARED BY:
Stantec
735 E. CARNEGIE DRIVE, SUITE 280
SAN BERNARDINO, CA 92408
909.335.6116 stantec.com

PREPARED FOR:
WPT CAPITAL ADVISERS, LLC
150 SOUTH 5TH STREET, SUITE 2675
MINNEAPOLIS, MN 55402 PH: (616) 800-8503

MARK	REVISIONS	APPR.	DATE	APPR.	DATE

DESIGNED BY: ____ DRAWN BY: ____ CHECKED BY: ____ DESIGN ENG'R. CITY ENG'R.

CITY OF ONTARIO | 2242639000

TENTATIVE PARCEL MAP NO. 20582
FOR
WPT - BON VIEW AVE.

SHEET 1 OF 1

DRAWING: u:\2242639000\drawing\exhibit_files\639000-pv7002.dwg PLOTTED: 8/25/2022 6:31 AM BY: Solinz, Victor

II. HYDROLOGY MAPS

VICINITY MAP

ONTARIO BOULEVARD

BON VIEW AVENUE

CALIFORNIA STREET

10.00 EL=964.0 L=325

STRUCTURE 1

A1 1.9

INDUSTRIAL

STRUCTURE 2

10.02 EL=0 L=958.8 8.5cfs(Q_{100})

20.00 EL=959.1 L=472

STRUCTURE 3

30.00 EL=957.8 L=560

STRUCTURE 4

STRUCTURE 5

C1 3.3

INDUSTRIAL

B1 1.1

EL=952 L=545

30.02

STRUCTURE 6

INDUSTRIAL

A

INDUSTRIAL

C2 3.8

C2 IMPERVIOUS=40% (~ SF 3-4DU/AC)

OPEN STORAGE

OPEN SPACE

20.02 EL=952.5 L=0 4.4cfs(Q_{100})

30.04 EL=947 L=0 12.3cfs(Q_{100})

CALIFORNIA ST

LEGEND

- DRAINAGE BOUNDARY
- SUBAREA BOUNDARY
- WATERCOURSE
- PROPERTY BOUNDARY
- DRAINAGE AREA DESIGNATION — A11 / 55.4
- SUBAREA ACREAGE
- NODE IDENTIFICATION — 303.33 ELEVATION / DOWN_STREAM_LENGTH

HYDROLOGIC SOILS GROUP — A

ASSUME ALL SOIL GROUP A.

10YR 60 MINUTE RAINFALL= 0.94"
100YR 60 MINUTE RAINFALL= 1.4"
INTENSITY SLOPE= 0.60

NORTH

GRAPHIC SCALE
0 40' 80'
1 INCH = 40 ft.

PRELIMINARY STUDY — APRIL 2022

PREPARED BY:
Stantec
735 E. CARNEGIE DRIVE, SUITE 280
SAN BERNARDINO, CA 92408
909.335.6116 stantec.com

PREPARED FOR:
WPT CAPITAL ADVISERS, LLC
150 SOUTH 5TH STREET, SUITE 2675
MINNEAPOLIS, MN 55402 PH: (616) 800-8503

PRE-PROJECT HYDROLOGY MAP FOR BON VIEW & CALIFORNIA ST.
ONTARIO, CA

2042639000

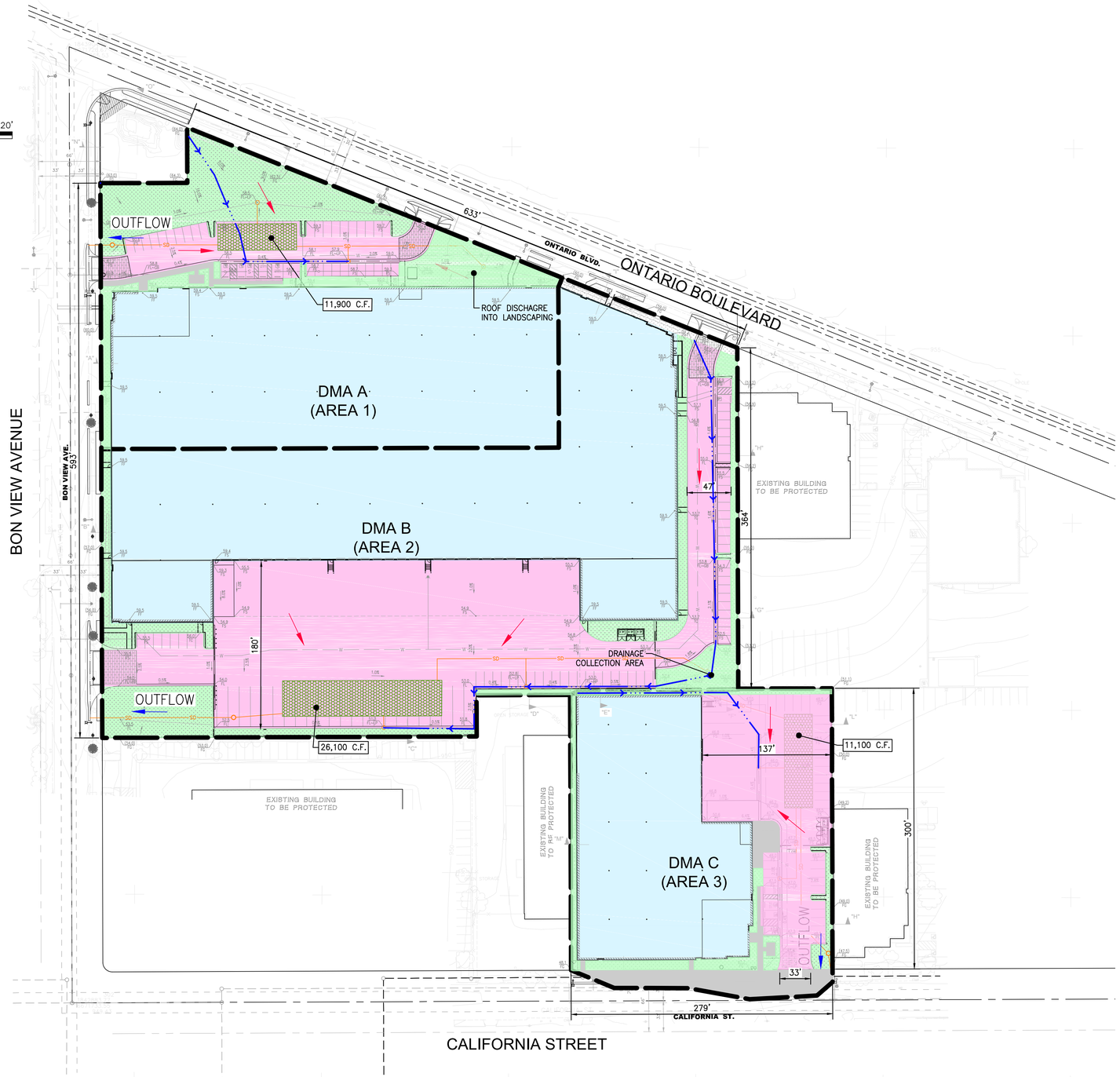
SHEET 1 OF 1

DRAWING: o:\2042639000\drawing\exhibit_files\639000c-pre7003.dwg PLOTTED: 5/9/2022 12:32 PM BY: Delgado, Vince

GRAPHIC SCALE

0 60' 120'

1 INCH = 60 ft.



VICINITY MAP

LEGEND

- PROPOSED CONCRETE PAVEMENT
- PROPOSED CONCRETE WALK
- PROPOSED WATER QUALITY UNDERGROUND CHAMBERS
- PROPOSED LANDSCAPE
- PROPOSED BUILDING
- DRAINAGE BOUNDARY
- SD — PROPOSED STORM DRAIN
- DIRECTION OF SURFACE FLOW
- PIPEFLOW DISCHARGE PATH

DRAINAGE AREA MANAGEMENT: SUMMARY TABLE

	DMA A	DMA B	DMA C
LANDSCAPE:	.....	**11%**	**8.6%**
IMPERVIOUS:	**77.2%**	**89%**	**91.4%**
TOTAL:	**3.0AC**	**5.1AC**	**2.1 AC**

PRELIMINARY STUDY AUGUST 2022

PREPARED BY:

Stantec
735 E. CARNEGIE DRIVE, SUITE 280
SAN BERNARDINO, CA 92408
909.335.6116 stantec.com

PREPARED FOR:

WPT CAPITAL ADVISERS, LLC
150 SOUTH 5TH STREET, SUITE 2675
MINNEAPOLIS, MN 55402 PH: (616) 800-8503

WQMP SITE PLAN (GRADING)
FOR
BON VIEW & CALIFORNIA ST.
ONTARIO, CA

2042639000

SHEET 1 OF 1

DRAWING: o:\2042639000\planning\exhibit_Plans\639000c-px7007.dwg PLOTTED: 8/31/2022 9:24 AM BY: Delgado, Vince

III. HYDROLOGY MODELS – RATIONAL METHOD AND STORM HYDROGRAPHS

Rational Method Pre-Project

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2005 Version 7.1
Rational Hydrology Study Date: 04/21/22

WPT REIT Bon View Ave & California St
Pre project : jn 2042639000
Area A, B and C
vadjr 4.21.2022

Program License Serial Number 6026

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 100.0
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.400 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 3

++

Process from Point/Station 10.000 to Point/Station 10.020
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2) = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.079(In/Hr)
Initial subarea data:
Initial area flow distance = 325.000(Ft.)
Top (of initial area) elevation = 964.000(Ft.)
Bottom (of initial area) elevation = 958.800(Ft.)
Difference in elevation = 5.200(Ft.)
Slope = 0.01600 s(%)= 1.60
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 7.028 min.
Rainfall intensity = 5.069(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.886
Subarea runoff = 8.534(CFS)
Total initial stream area = 1.900(Ac.)
Pervious area fraction = 0.100
Initial area Fm value = 0.079(In/Hr)

++

Process from Point/Station 20.000 to Point/Station 20.020
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2) = 32.00
Adjusted SCS curve number for AMC 3 = 52.00

```
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Initial subarea data:
Initial area flow distance =   472.000(Ft.)
Top (of initial area) elevation =   959.100(Ft.)
Bottom (of initial area) elevation =   952.500(Ft.)
Difference in elevation =     6.600(Ft.)
Slope =    0.01398  s(%)=       1.40
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.382 min.
Rainfall intensity =      4.561(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.885
Subarea runoff =      4.437(CFS)
Total initial stream area =        1.100(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.079(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       30.000 to Point/Station       30.020
**** INITIAL AREA EVALUATION ****
------------------------------------------------------------------------
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Initial subarea data:
Initial area flow distance =   560.000(Ft.)
Top (of initial area) elevation =   957.800(Ft.)
Bottom (of initial area) elevation =   952.000(Ft.)
Difference in elevation =     5.800(Ft.)
Slope =    0.01036  s(%)=       1.04
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    9.530 min.
Rainfall intensity =      4.222(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.883
Subarea runoff =     12.307(CFS)
Total initial stream area =        3.300(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.079(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       30.020 to Point/Station       30.040
**** IMPROVED CHANNEL TRAVEL TIME ****
------------------------------------------------------------------------
Upstream point elevation =   952.000(Ft.)
Downstream point elevation =   947.000(Ft.)
Channel length thru subarea  =   545.000(Ft.)
Channel base width      =    0.000(Ft.)
Slope or 'Z' of left channel bank =   1.000
Slope or 'Z' of right channel bank =  15.000
Estimated mean flow rate at midpoint of channel =     18.083(CFS)
Manning's 'N'    = 0.005
Maximum depth of channel  =    3.800(Ft.)
Flow(q) thru subarea =     18.083(CFS)
Depth of flow =   0.463(Ft.), Average velocity =  10.539(Ft/s)
Channel flow top width =    7.410(Ft.)
Flow Velocity =   10.54(Ft/s)
Travel time  =    0.86 min.
Time of concentration =   10.39 min.
Critical depth =      0.797(Ft.)
 Adding area flow to channel
RESIDENTIAL(3 - 4 dwl/acre)
```

```
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.6000     Max loss rate(Fm)=     0.471(In/Hr)
Rainfall intensity =      4.009(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.835
Subarea runoff =     11.464(CFS) for    3.800(Ac.)
Total runoff =     23.771(CFS)
Effective area this stream =        7.10(Ac.)
Total Study Area (Main Stream No. 1) =       10.10(Ac.)
Area averaged Fm value =    0.289(In/Hr)
Depth of flow =   0.513(Ft.), Average velocity =  11.285(Ft/s)
Critical depth =      0.887(Ft.)
End of computations, Total Study Area =           10.10 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 0.288
Area averaged SCS curve number =  32.0
```

Rational Method Post-Project

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2019 Version 9.1
Rational Hydrology Study Date: 08/30/22

WPT REIT Bon View Ave & California St
Post Project JN 204263900
Area A, B and C
vadjr 08.30.2022

Program License Serial Number 6543

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 100.0
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.400 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 3

++
Process from Point/Station 40.000 to Point/Station 40.020
**** INITIAL AREA EVALUATION ****

COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2) = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000 Max loss rate(Fm)= 0.079(In/Hr)
Initial subarea data:
Initial area flow distance = 173.000(Ft.)
Top (of initial area) elevation = 989.500(Ft.)
Bottom (of initial area) elevation = 986.000(Ft.)
Difference in elevation = 3.500(Ft.)
Slope = 0.02023 s(%)= 2.02
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 5.211 min.
Rainfall intensity = 6.066(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.888

```
Subarea runoff =      3.503(CFS)
Total initial stream area =        0.650(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.079(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       40.020 to Point/Station       40.040
**** IMPROVED CHANNEL TRAVEL TIME ****
________________________________________________________________________
Upstream point elevation =   959.500(Ft.)
Downstream point elevation =   958.000(Ft.)
Channel length thru subarea  =    46.000(Ft.)
Channel base width      =   25.000(Ft.)
Slope or 'Z' of left channel bank =   5.000
Slope or 'Z' of right channel bank =   5.000
Estimated mean flow rate at midpoint of channel =      3.834(CFS)
Manning's 'N'    = 0.025
Maximum depth of channel  =    2.000(Ft.)
Flow(q) thru subarea =      3.834(CFS)
Depth of flow =   0.078(Ft.), Average velocity =   1.938(Ft/s)
Channel flow top width =   25.779(Ft.)
Flow Velocity =    1.94(Ft/s)
Travel time  =    0.40 min.
Time of concentration =    5.61 min.
Critical depth =      0.090(Ft.)
 Adding area flow to channel
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Rainfall intensity =      5.805(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.888
Subarea runoff =      0.569(CFS) for    0.140(Ac.)
Total runoff =      4.072(CFS)
Effective area this stream =        0.79(Ac.)
Total Study Area (Main Stream No. 1) =        0.79(Ac.)
Area averaged Fm value =    0.079(In/Hr)
Depth of flow =   0.081(Ft.), Average velocity =   1.984(Ft/s)
Critical depth =      0.094(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       40.040 to Point/Station       40.060
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
```

```
Upstream point/station elevation =   952.000(Ft.)
Downstream point/station elevation =   950.500(Ft.)
Pipe length  =   154.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =     4.072(CFS)
Nearest computed pipe diameter  =     15.00(In.)
Calculated individual pipe flow  =     4.072(CFS)
Normal flow depth in pipe =    8.71(In.)
Flow top width inside pipe =   14.80(In.)
Critical Depth =    9.80(In.)
Pipe flow velocity =      5.51(Ft/s)
Travel time through pipe =    0.47 min.
Time of concentration (TC) =     6.07 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       40.060 to Point/Station       40.060
**** SUBAREA FLOW ADDITION ****
------------------------------------------------------------------------
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Time of concentration =     6.07 min.
Rainfall intensity =      5.534(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.887
Subarea runoff =      8.546(CFS) for    1.780(Ac.)
Total runoff =     12.618(CFS)
Effective area this stream =        2.57(Ac.)
Total Study Area (Main Stream No. 1) =        2.57(Ac.)
Area averaged Fm value =    0.079(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       40.060 to Point/Station       40.080
**** PIPEFLOW TRAVEL TIME (Program estimated size) ****
------------------------------------------------------------------------
Upstream point/station elevation =   950.500(Ft.)
Downstream point/station elevation =   949.500(Ft.)
Pipe length  =    97.00(Ft.)   Manning's N = 0.013
No. of pipes = 1  Required pipe flow  =    12.618(CFS)
Nearest computed pipe diameter  =     21.00(In.)
Calculated individual pipe flow  =    12.618(CFS)
Normal flow depth in pipe =   14.00(In.)
Flow top width inside pipe =   19.80(In.)
```

```
Critical Depth =   15.88(In.)
Pipe flow velocity =      7.40(Ft/s)
Travel time through pipe =    0.22 min.
Time of concentration (TC) =     6.29 min.


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       40.080 to Point/Station       40.080
**** SUBAREA FLOW ADDITION ****
________________________________________________________________________
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Time of concentration =     6.29 min.
Rainfall intensity =      5.418(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.887
Subarea runoff =      1.798(CFS) for    0.430(Ac.)
Total runoff =     14.415(CFS)
Effective area this stream =        3.00(Ac.)
Total Study Area (Main Stream No. 1) =        3.00(Ac.)
Area averaged Fm value =    0.079(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       50.000 to Point/Station       50.020
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Initial subarea data:
Initial area flow distance =   743.000(Ft.)
Top (of initial area) elevation =   958.500(Ft.)
Bottom (of initial area) elevation =   950.300(Ft.)
Difference in elevation =     8.200(Ft.)
Slope =    0.01104  s(%)=       1.10
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.537 min.
Rainfall intensity =      3.976(In/Hr) for a   100.0 year storm
```

```
Effective runoff coefficient used for area (Q=KCIA) is C = 0.882
Subarea runoff =     17.887(CFS)
Total initial stream area =        5.100(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.079(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station       60.000 to Point/Station       60.020
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
COMMERCIAL subarea type
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.1000     Max loss rate(Fm)=     0.079(In/Hr)
Initial subarea data:
Initial area flow distance =   260.000(Ft.)
Top (of initial area) elevation =   955.000(Ft.)
Bottom (of initial area) elevation =   946.000(Ft.)
Difference in elevation =     9.000(Ft.)
Slope =    0.03462  s(%)=       3.46
TC = k(0.304)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    5.508 min.
Rainfall intensity =      5.867(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.888
Subarea runoff =     10.940(CFS)
Total initial stream area =        2.100(Ac.)
Pervious area fraction = 0.100
Initial area Fm value =    0.079(In/Hr)
End of computations, Total Study Area =           10.20 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 0.100
Area averaged SCS curve number =  32.0
```

Hydrographs

Project: WPT Reit - Ontario

POST PROJECT MITIGATION- AREA A

Storm Volume - Triangular Hydrograph - modified for City of Ontario 80% Criteria

Qpre-project	8.5 CFS (100-yr)	**80**% Qpre=	6.8 CFS (100yr)
Qpost-project	14.2 CFS (100-yr)		

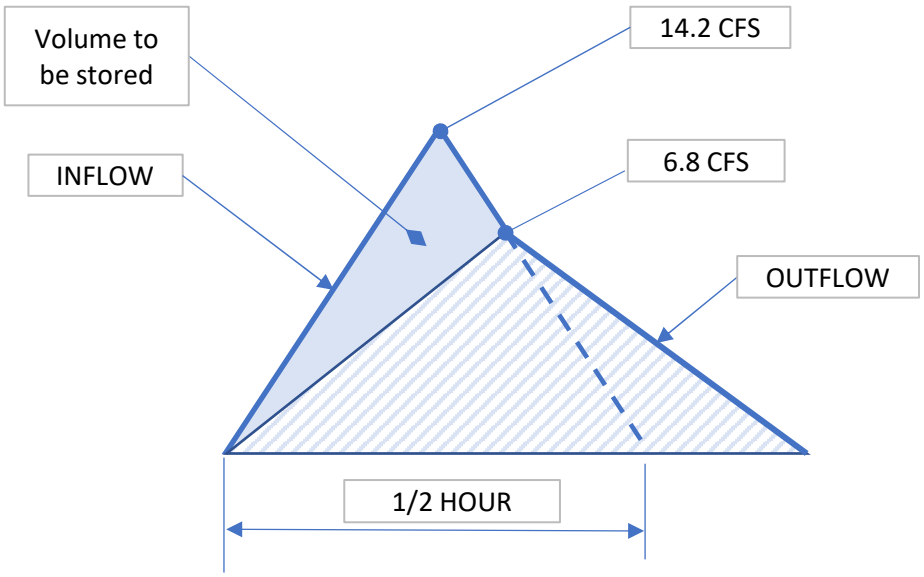
Target Reduction not to exceed 80% of pre-developed condition for 100yr rainfall event

** preliminary calculation for 30 min duration (> 5* Tc)

$$= 1.0(Qpost - (0.80 * Qpre))$$

= 1.0*(14.2-6.8)

= **7.4 CFS**



Preliminary minimum mitigation target volume $= \frac{1/2Hr * 3600 \frac{sec}{hr} * (14.2 - 6.8)CFS}{2}$

= **6,660 Cu. Ft.**

Or = **247 Cu. Yd.**

Project: WPT Reit - Ontario

POST PROJECT MITIGATION - AREA B

Storm Volume - Triangular Hydrograph - modified for City of Ontario 80% Criteria

Qpre-project	4.4 CFS (100-yr)	**80**% Qpre=	3.5 CFS (100yr)
Qpost-project	17.9 CFS (100-yr)		

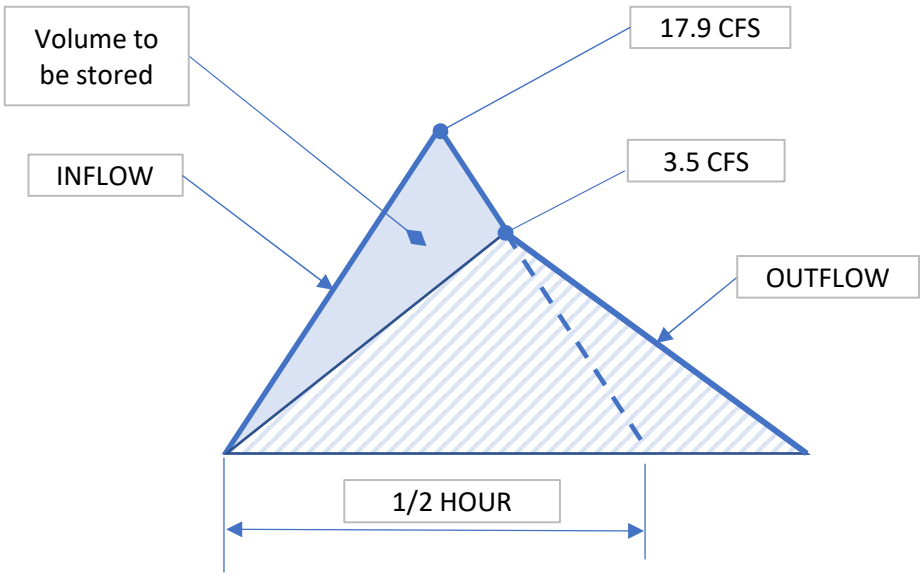
Target Reduction not to exceed 80% of pre-developed condition for 100yr rainfall event

** preliminary calculation for 30 min duration (> 5* Tc)

$$= 1.0(Qpost - (0.80 * Qpre))$$

= 1.0*(17.9-3.5)

= **14.4 CFS**



Preliminary minimum mitigation target volume $= \frac{1/2Hr * 3600 \frac{sec}{hr} * (17.9 - 3.5)CFS}{2}$

= **12,960 Cu. Ft.**

Or = **480 Cu. Yd.**

Project: WPT Reit - Ontario

POST PROJECT MITIGATION - AREA C

Storm Volume - Triangular Hydrograph - modified for City of Ontario 80% Criteria

Qpre-project	11.5 CFS (100-yr)	**80**% Qpre=	9.2 CFS (100yr)
Qpost-project	10.9 CFS (100-yr)		

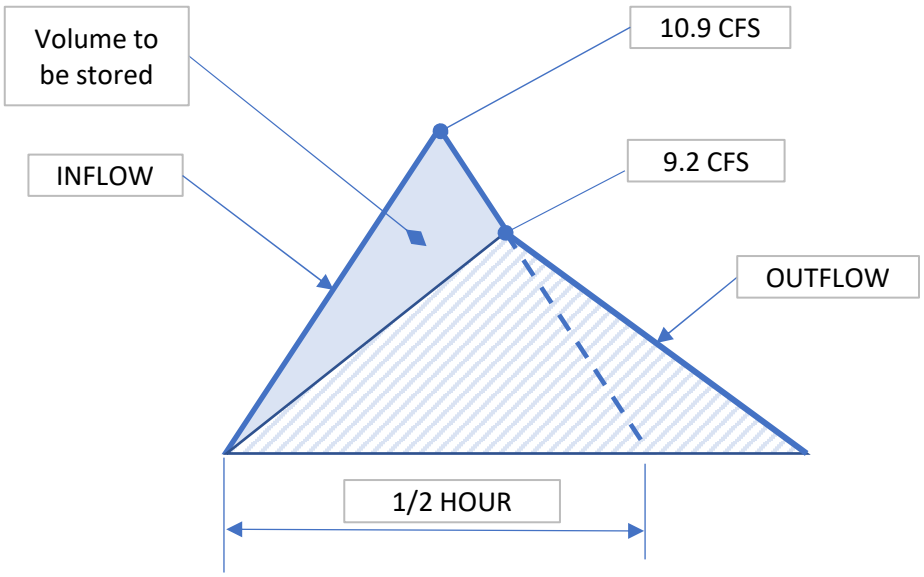
Target Reduction not to exceed 80% of pre-developed condition for 100yr rainfall event

** preliminary calculation for 30 min duration (> 5* Tc)

$$= 1.0(Qpost - (0.80 * Qpre))$$

= 1.0*(10.9-9.2)

= **1.7 CFS**



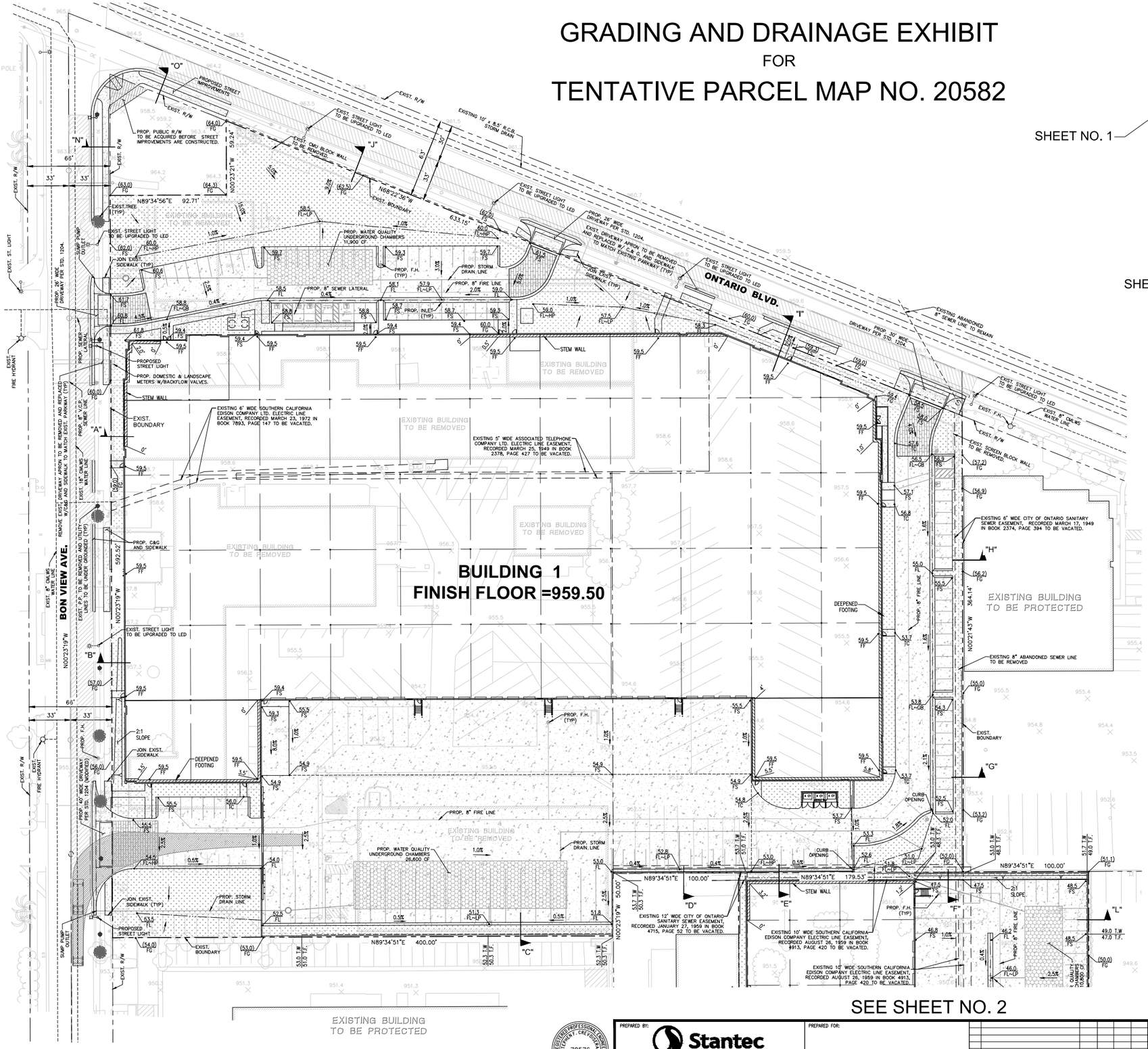
Preliminary minimum mitigation target volume $= \frac{1/2Hr * 3600 \frac{sec}{hr} * (10.9 - 9.2)CFS}{2}$

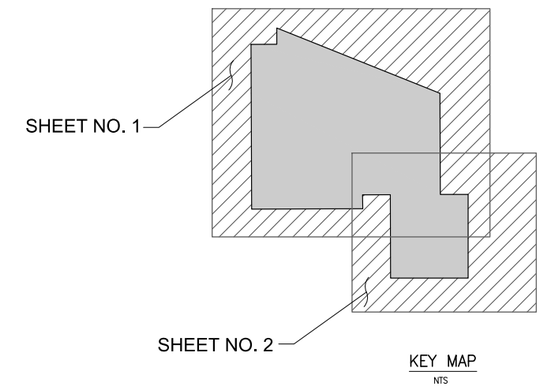
= **1,530 Cu. Ft.**

Or = **57 Cu. Yd.**

IV. PRELIMINARY GRADING PLAN

GRADING AND DRAINAGE EXHIBIT
FOR
TENTATIVE PARCEL MAP NO. 20582





KEY MAP
NTS

GRADING NOTE:

LANDSCAPE AREAS WHERE COMPACTION HAS OCCURRED DUE TO GRADING ACTIVITIES AND WHERE TREES OR STORMWATER INFILTRATION AREAS ARE LOCATED SHALL BE LOOSENED BY SOIL FRACTURING. FOR TREES, A 12'x12'x18' DEEP AREA; FOR STORMWATER INFILTRATION, THE ENTIRE AREA SHALL BE LOOSENED. ADD THE FOLLOWING INFORMATION ON THE PLANS: THE BACKHOE METHOD OF SOIL FRACTURING SHALL BE USED TO BREAK UP COMPACTION. A 4" LAYER OF COMPOST IS SPREAD OVER THE SOIL SURFACE BEFORE FRACTURING IS BEGUN. THE BACKHOE SHALL DIG INTO THE SOIL LIFTING AND THEN DROP THE SOIL IMMEDIATELY BACK INTO THE HOLE. THE BUCKET THEN MOVES TO THE ADJACENT SOIL AND REPEATS. THE COMPOST FALLS INTO THE SPACES BETWEEN THE SOIL CHUNKS CREATED. FRACTURING SHALL LEAVE THE SOIL SURFACE QUITE ROUGH WITH LARGE SOIL CLODS. THESE MUST BE BROKEN BY ADDITIONAL TILLING. TILLING IN MORE COMPOST TO THE SURFACE AFTER FRACTURING PER THE SOIL REPORT WILL HELP CREATE AN "A" HORIZON SOIL. IMPORTED OR REUSED TOPSOIL CAN BE ADDED ON TOP OF THE FRACTURED SOIL AS NEEDED FOR GRADING. THE LANDSCAPE ARCHITECT SHALL BE PRESENT DURING THIS PROCESS AND PROVIDE CERTIFICATION OF THE SOIL FRACTURING. FOR ADDITIONAL REFERENCE, SEE URBAN TREE FOUNDATION – PLANTING SOIL SPECIFICATIONS.

LEGEND

- PROPOSED A.C. OVER A.B.
- 2" GRIND AND OVERLAY
- PROPOSED P.C.C.
- PROPOSED LANDSCAPE AREA
- MAP BOUNDARY
- EXIST. PARCEL LINE
- PROPOSED R/W
- EXIST. EASEMENT TO BE VACATED
- EXIST. WATER LINE
- EXIST. SEWER LINE
- EXIST. TREE
- EXIST. STREET LIGHT
- PROPOSED FIRE HYDRANT
- EXIST. FIRE HYDRANT
- EXIST. POWER POLE
- CMLWS CEMENT MORTAR LINED WELDED STEEL

EARTHWORK QUANTITIES:

CUT = 10,000 C.Y.
FILL = 10,000 C.Y.

NORTH

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

SEE SHEET NO. 2

AUGUST, 2022

REGISTERED PROFESSIONAL ENGINEER STEPHEN F. CREVOISERAT 78576 CIVIL STATE OF CALIFORNIA

PREPARED BY:
Stantec
735 E. CARNEGIE DRIVE, SUITE 280
SAN BERNARDINO, CA 92408
909.335.6116 stantec.com

PREPARED FOR:
WPT CAPITAL ADVISERS, LLC
150 SOUTH 5TH STREET, SUITE 2675
MINNEAPOLIS, MN 55402 PH: (616) 800-8503

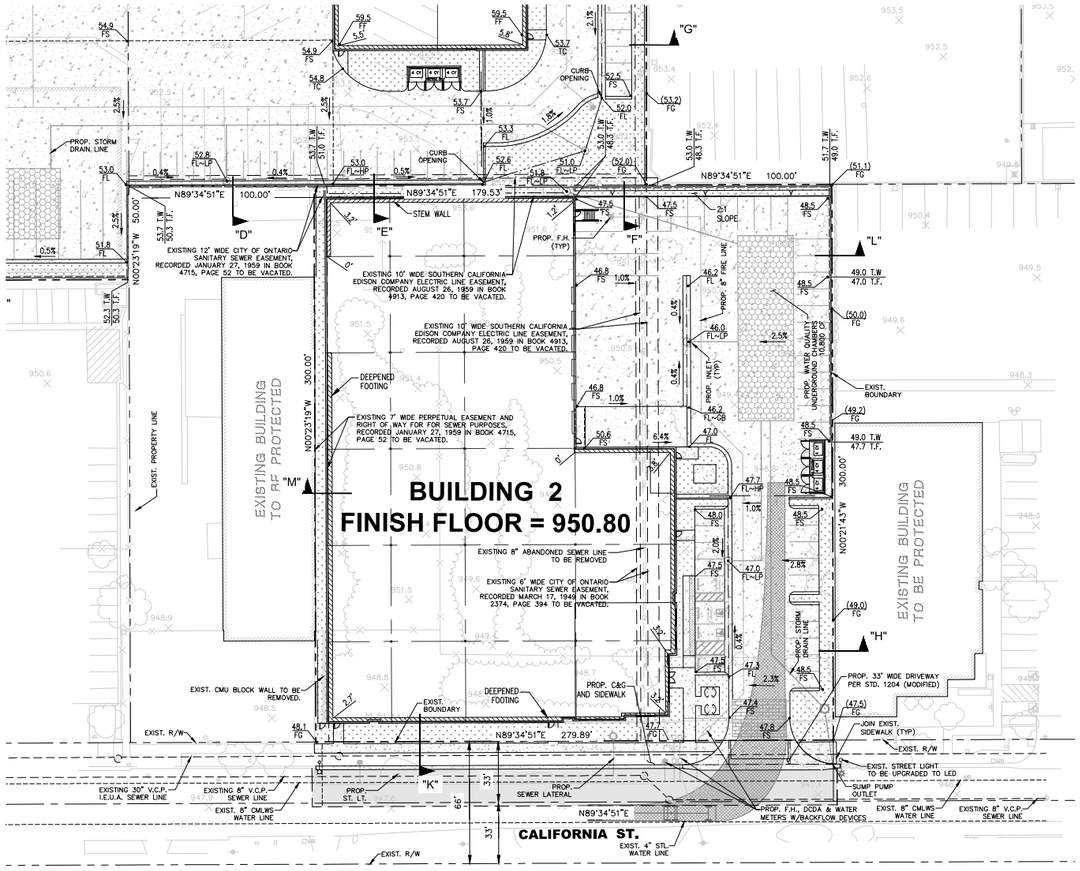
MARK	REVISIONS	APPR.	DATE	APPR.	DATE
DESIGNED BY: ____ DRAWN BY: ____ CHECKED BY: ____		DESIGN ENG'R.		CITY ENG'R.	

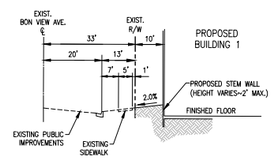
CITY OF ONTARIO
GRADING AND DRAINAGE EXHIBIT
FOR
TENTATIVE PARCEL MAP NO. 20582

2242639000

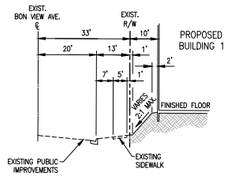
SHEET 1 OF 2

SEE SHEET NO. 1





SECTION "A-A"
SCALES: HORIZ: 1"=20'
VERT: 1"= 4'



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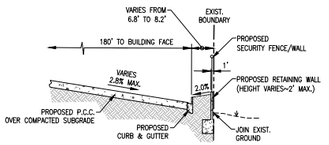
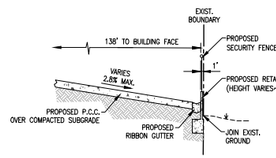
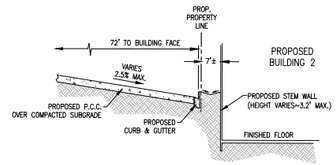
VERT: 1"= 4'



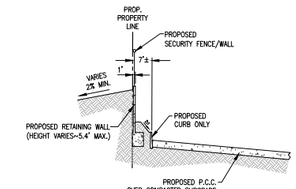
SECTION "C-C"
SCALES: HORIZ: 1"=20'
VERT: 1"= 4'



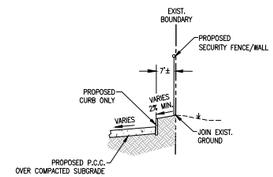
SECTION "D-D"
SCALES: HORIZ: 1"=20'
VERT: 1"= 4'



SECTION "E-E"
SCALES: HORIZ: 1"=20'
VERT: 1"= 4'



SECTION "F-F"
SCALES: HORIZ: 1"=20'
VERT: 1"= 4'



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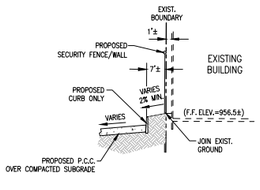
VERT: 1"= 4'



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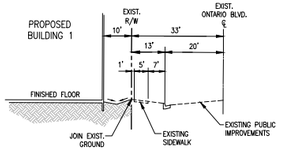
VERT: 1"= 4'



SECTION "I-I"
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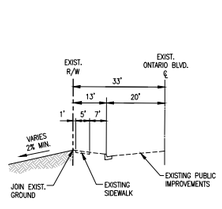
VERT: 1"= 4'

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.



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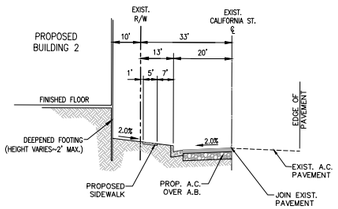

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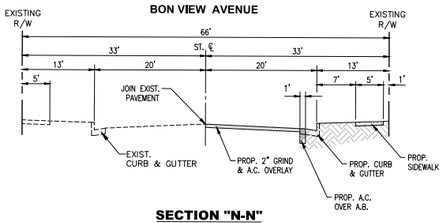
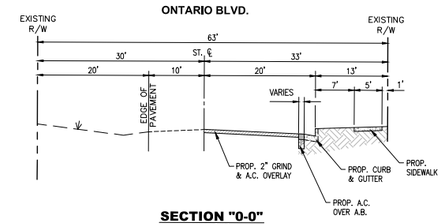
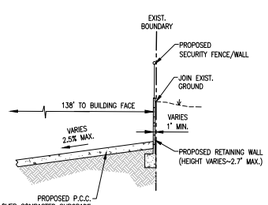
SCALES: HORIZ: 1"=20'
VERT: 1"= 4'



SECTION "N-N"
SCALE: 1"=10'



SECTION "O-O"
SCALE: 1"=10'



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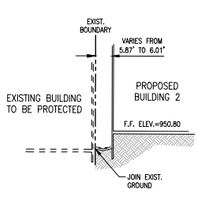

SECTION "M-M"
SCALES: HORIZ: 1"=20'
VERT: 1"= 4'

AUGUST, 2022

REGISTERED PROFESSIONAL ENGINEER
STEPHEN F. CREVELING
78576
CIVIL
STATE OF CALIFORNIA

PREPARED BY:
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WPT CAPITAL ADVISERS, LLC
150 SOUTH 5TH STREET, SUITE 2675
MINNEAPOLIS, MN 55402 PH: (616) 800-8503

MARK	REVISIONS	APPR.	DATE	APPR.	DATE

DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____ DESIGN ENG'R. _____ CITY ENG'R. _____

CITY OF ONTARIO — 2242639000

GRADING AND DRAINAGE EXHIBIT
FOR
TENTATIVE PARCEL MAP NO. 20582

SHEET 2 OF 2

DRAWING: c:\2242639000\planning\parkhill_files\A39000-pr7004.dwg PLOTTED: 8/25/2022 12:56 PM BY: Sahu, Victor

V. NOAA RAINFALL DATA

NOAA Atlas 14, Volume 6, Version 2
Location name: Ontario, California, USA*
Latitude: 34.0581°, Longitude: -117.6363°
Elevation: 964.53 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.118 (0.099-0.143)	0.156 (0.130-0.189)	0.204 (0.169-0.248)	0.241 (0.199-0.295)	0.289 (0.230-0.367)	0.325 (0.253-0.422)	0.360 (0.273-0.480)	0.395 (0.291-0.542)	0.441 (0.311-0.631)	0.475 (0.323-0.704)
10-min	0.170 (0.141-0.205)	0.224 (0.187-0.271)	0.292 (0.243-0.355)	0.345 (0.285-0.423)	0.415 (0.330-0.527)	0.466 (0.363-0.605)	0.516 (0.392-0.687)	0.566 (0.417-0.776)	0.632 (0.446-0.904)	0.681 (0.463-1.01)
15-min	0.205 (0.171-0.248)	0.271 (0.226-0.328)	0.353 (0.293-0.429)	0.418 (0.344-0.512)	0.502 (0.399-0.637)	0.564 (0.439-0.731)	0.624 (0.474-0.831)	0.685 (0.505-0.939)	0.764 (0.539-1.09)	0.823 (0.560-1.22)
30-min	0.311 (0.260-0.377)	0.411 (0.343-0.498)	0.536 (0.446-0.652)	0.634 (0.522-0.778)	0.762 (0.606-0.967)	0.856 (0.666-1.11)	0.948 (0.719-1.26)	1.04 (0.766-1.43)	1.16 (0.819-1.66)	1.25 (0.851-1.85)
60-min	0.461 (0.384-0.558)	0.608 (0.507-0.738)	0.793 (0.659-0.965)	0.939 (0.773-1.15)	1.13 (0.897-1.43)	1.27 (0.986-1.64)	1.40 (1.07-1.87)	1.54 (1.13-2.11)	1.72 (1.21-2.46)	1.85 (1.26-2.74)
2-hr	0.687 (0.573-0.831)	0.905 (0.754-1.10)	1.18 (0.976-1.43)	1.39 (1.14-1.70)	1.66 (1.32-2.10)	1.85 (1.44-2.41)	2.05 (1.55-2.73)	2.24 (1.65-3.07)	2.48 (1.75-3.56)	2.67 (1.82-3.96)
3-hr	0.858 (0.716-1.04)	1.13 (0.940-1.37)	1.46 (1.22-1.78)	1.72 (1.42-2.11)	2.06 (1.64-2.61)	2.30 (1.79-2.98)	2.53 (1.92-3.37)	2.77 (2.04-3.79)	3.07 (2.17-4.39)	3.29 (2.24-4.88)
6-hr	1.21 (1.01-1.46)	1.59 (1.32-1.92)	2.05 (1.71-2.50)	2.42 (1.99-2.96)	2.88 (2.29-3.66)	3.22 (2.51-4.18)	3.55 (2.69-4.73)	3.88 (2.86-5.31)	4.29 (3.03-6.15)	4.60 (3.13-6.83)
12-hr	1.57 (1.31-1.90)	2.06 (1.71-2.49)	2.67 (2.22-3.24)	3.14 (2.59-3.85)	3.76 (2.99-4.77)	4.21 (3.27-5.46)	4.64 (3.52-6.18)	5.08 (3.74-6.96)	5.64 (3.98-8.07)	6.05 (4.12-8.98)
24-hr	2.07 (1.83-2.39)	2.74 (2.42-3.16)	3.58 (3.16-4.14)	4.24 (3.71-4.95)	5.11 (4.32-6.15)	5.74 (4.76-7.07)	6.37 (5.16-8.03)	7.00 (5.52-9.07)	7.82 (5.92-10.5)	8.43 (6.17-11.8)
2-day	2.47 (2.18-2.84)	3.32 (2.93-3.83)	4.42 (3.89-5.11)	5.29 (4.63-6.18)	6.47 (5.47-7.79)	7.35 (6.10-9.04)	8.24 (6.67-10.4)	9.14 (7.20-11.8)	10.3 (7.82-13.9)	11.3 (8.23-15.7)
3-day	2.63 (2.33-3.03)	3.59 (3.17-4.14)	4.83 (4.26-5.59)	5.84 (5.11-6.81)	7.20 (6.10-8.68)	8.25 (6.84-10.1)	9.31 (7.54-11.7)	10.4 (8.19-13.5)	11.9 (8.97-16.0)	13.0 (9.50-18.1)
4-day	2.81 (2.49-3.24)	3.86 (3.42-4.46)	5.24 (4.62-6.07)	6.37 (5.57-7.43)	7.90 (6.69-9.52)	9.07 (7.53-11.2)	10.3 (8.32-12.9)	11.5 (9.07-14.9)	13.2 (9.98-17.8)	14.5 (10.6-20.2)
7-day	3.31 (2.93-3.82)	4.58 (4.05-5.28)	6.25 (5.51-7.23)	7.62 (6.66-8.88)	9.49 (8.04-11.4)	10.9 (9.08-13.5)	12.4 (10.1-15.7)	14.0 (11.0-18.1)	16.1 (12.2-21.7)	17.7 (13.0-24.7)
10-day	3.60 (3.19-4.15)	5.00 (4.42-5.77)	6.85 (6.04-7.92)	8.37 (7.32-9.76)	10.5 (8.86-12.6)	12.1 (10.0-14.9)	13.8 (11.1-17.3)	15.5 (12.2-20.1)	17.9 (13.5-24.1)	19.8 (14.4-27.6)
20-day	4.36 (3.86-5.02)	6.12 (5.41-7.07)	8.49 (7.48-9.82)	10.5 (9.14-12.2)	13.2 (11.2-15.9)	15.3 (12.7-18.9)	17.6 (14.2-22.1)	19.9 (15.7-25.8)	23.2 (17.5-31.2)	25.7 (18.8-35.9)
30-day	5.05 (4.47-5.82)	7.12 (6.30-8.22)	9.92 (8.75-11.5)	12.3 (10.7-14.3)	15.6 (13.2-18.8)	18.2 (15.1-22.4)	20.9 (16.9-26.3)	23.8 (18.7-30.8)	27.8 (21.1-37.5)	31.1 (22.7-43.4)
45-day	6.08 (5.38-7.01)	8.54 (7.55-9.86)	11.9 (10.5-13.8)	14.7 (12.9-17.2)	18.8 (15.9-22.6)	22.0 (18.3-27.1)	25.4 (20.6-32.0)	29.0 (22.9-37.6)	34.2 (25.9-46.1)	38.3 (28.0-53.5)
60-day	7.12 (6.30-8.21)	9.91 (8.76-11.4)	13.8 (12.1-15.9)	17.0 (14.9-19.9)	21.7 (18.4-26.2)	25.5 (21.1-31.4)	29.5 (23.9-37.2)	33.8 (26.6-43.8)	40.0 (30.2-53.9)	45.0 (32.9-62.8)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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PF graphical

NOAA Atlas 14, Volume 6, Version 2
Location name: Ontario, California, USA*
Latitude: 34.0581°, Longitude: -117.6363°
Elevation: 964.53 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**1.42** (1.19-1.72)	**1.87** (1.56-2.27)	**2.45** (2.03-2.98)	**2.89** (2.39-3.54)	**3.47** (2.76-4.40)	**3.90** (3.04-5.06)	**4.32** (3.28-5.76)	**4.74** (3.49-6.50)	**5.29** (3.73-7.57)	**5.70** (3.88-8.45)
10-min	**1.02** (0.846-1.23)	**1.34** (1.12-1.63)	**1.75** (1.46-2.13)	**2.07** (1.71-2.54)	**2.49** (1.98-3.16)	**2.80** (2.18-3.63)	**3.10** (2.35-4.12)	**3.40** (2.50-4.66)	**3.79** (2.68-5.42)	**4.09** (2.78-6.06)
15-min	**0.820** (0.684-0.992)	**1.08** (0.904-1.31)	**1.41** (1.17-1.72)	**1.67** (1.38-2.05)	**2.01** (1.60-2.55)	**2.26** (1.76-2.92)	**2.50** (1.90-3.32)	**2.74** (2.02-3.76)	**3.06** (2.16-4.38)	**3.29** (2.24-4.88)
30-min	**0.622** (0.520-0.754)	**0.822** (0.686-0.996)	**1.07** (0.892-1.30)	**1.27** (1.04-1.56)	**1.52** (1.21-1.93)	**1.71** (1.33-2.22)	**1.90** (1.44-2.52)	**2.08** (1.53-2.85)	**2.32** (1.64-3.32)	**2.50** (1.70-3.71)
60-min	**0.461** (0.384-0.558)	**0.608** (0.507-0.738)	**0.793** (0.659-0.965)	**0.939** (0.773-1.15)	**1.13** (0.897-1.43)	**1.27** (0.986-1.64)	**1.40** (1.07-1.87)	**1.54** (1.13-2.11)	**1.72** (1.21-2.46)	**1.85** (1.26-2.74)
2-hr	**0.344** (0.286-0.416)	**0.452** (0.377-0.548)	**0.588** (0.488-0.714)	**0.692** (0.570-0.850)	**0.828** (0.659-1.05)	**0.927** (0.722-1.20)	**1.02** (0.776-1.36)	**1.12** (0.824-1.53)	**1.24** (0.876-1.78)	**1.33** (0.908-1.98)
3-hr	**0.286** (0.238-0.346)	**0.376** (0.313-0.455)	**0.487** (0.405-0.592)	**0.573** (0.472-0.703)	**0.684** (0.544-0.869)	**0.765** (0.596-0.993)	**0.844** (0.640-1.12)	**0.921** (0.679-1.26)	**1.02** (0.721-1.46)	**1.10** (0.746-1.63)
6-hr	**0.202** (0.168-0.244)	**0.265** (0.221-0.321)	**0.343** (0.285-0.417)	**0.403** (0.332-0.495)	**0.481** (0.383-0.611)	**0.538** (0.419-0.698)	**0.593** (0.450-0.789)	**0.647** (0.477-0.887)	**0.717** (0.506-1.03)	**0.769** (0.523-1.14)
12-hr	**0.130** (0.108-0.157)	**0.171** (0.142-0.207)	**0.221** (0.184-0.269)	**0.261** (0.215-0.320)	**0.312** (0.248-0.396)	**0.349** (0.272-0.453)	**0.385** (0.292-0.513)	**0.421** (0.311-0.578)	**0.468** (0.330-0.670)	**0.502** (0.342-0.745)
24-hr	**0.086** (0.076-0.100)	**0.114** (0.101-0.132)	**0.149** (0.132-0.173)	**0.177** (0.155-0.206)	**0.213** (0.180-0.256)	**0.239** (0.199-0.294)	**0.266** (0.215-0.335)	**0.292** (0.230-0.378)	**0.326** (0.247-0.440)	**0.351** (0.257-0.490)
2-day	**0.051** (0.045-0.059)	**0.069** (0.061-0.080)	**0.092** (0.081-0.106)	**0.110** (0.096-0.129)	**0.135** (0.114-0.162)	**0.153** (0.127-0.188)	**0.172** (0.139-0.216)	**0.190** (0.150-0.247)	**0.215** (0.163-0.290)	**0.234** (0.171-0.327)
3-day	**0.037** (0.032-0.042)	**0.050** (0.044-0.057)	**0.067** (0.059-0.078)	**0.081** (0.071-0.095)	**0.100** (0.085-0.121)	**0.115** (0.095-0.141)	**0.129** (0.105-0.163)	**0.144** (0.114-0.187)	**0.165** (0.125-0.222)	**0.180** (0.132-0.252)
4-day	**0.029** (0.026-0.034)	**0.040** (0.036-0.046)	**0.055** (0.048-0.063)	**0.066** (0.058-0.077)	**0.082** (0.070-0.099)	**0.095** (0.078-0.116)	**0.107** (0.087-0.135)	**0.120** (0.094-0.155)	**0.137** (0.104-0.185)	**0.151** (0.110-0.211)
7-day	**0.020** (0.017-0.023)	**0.027** (0.024-0.031)	**0.037** (0.033-0.043)	**0.045** (0.040-0.053)	**0.056** (0.048-0.068)	**0.065** (0.054-0.080)	**0.074** (0.060-0.093)	**0.083** (0.066-0.108)	**0.096** (0.072-0.129)	**0.106** (0.077-0.147)
10-day	**0.015** (0.013-0.017)	**0.021** (0.018-0.024)	**0.029** (0.025-0.033)	**0.035** (0.030-0.041)	**0.044** (0.037-0.053)	**0.050** (0.042-0.062)	**0.057** (0.046-0.072)	**0.065** (0.051-0.084)	**0.075** (0.056-0.101)	**0.082** (0.060-0.115)
20-day	**0.009** (0.008-0.010)	**0.013** (0.011-0.015)	**0.018** (0.016-0.020)	**0.022** (0.019-0.025)	**0.027** (0.023-0.033)	**0.032** (0.027-0.039)	**0.037** (0.030-0.046)	**0.041** (0.033-0.054)	**0.048** (0.036-0.065)	**0.054** (0.039-0.075)
30-day	**0.007** (0.006-0.008)	**0.010** (0.009-0.011)	**0.014** (0.012-0.016)	**0.017** (0.015-0.020)	**0.022** (0.018-0.026)	**0.025** (0.021-0.031)	**0.029** (0.023-0.037)	**0.033** (0.026-0.043)	**0.039** (0.029-0.052)	**0.043** (0.032-0.060)
45-day	**0.006** (0.005-0.006)	**0.008** (0.007-0.009)	**0.011** (0.010-0.013)	**0.014** (0.012-0.016)	**0.017** (0.015-0.021)	**0.020** (0.017-0.025)	**0.024** (0.019-0.030)	**0.027** (0.021-0.035)	**0.032** (0.024-0.043)	**0.035** (0.026-0.050)
60-day	**0.005** (0.004-0.006)	**0.007** (0.006-0.008)	**0.010** (0.008-0.011)	**0.012** (0.010-0.014)	**0.015** (0.013-0.018)	**0.018** (0.015-0.022)	**0.020** (0.017-0.026)	**0.023** (0.019-0.030)	**0.028** (0.021-0.037)	**0.031** (0.023-0.044)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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PF graphical

VI. SOILS INFILTRATION TESTING

MILESTONE NOTIFICATION

April 25, 2022

WPT Capital Advisors, LLC
Jonah Chodosh
150 South 5th Street Suite 2675
Minneapolis, MN 55402

Subject: **Milestone Notification #1: Project Activity**
Proposed Industrial Development
Bon View Avenue and California Street, Ontario, CA
APN: 1049-181-14-0000

Dear Jonah:

Thank you for choosing NOVA Services. The Milestone Program is a product of NOVA's commitment to keep its clients informed and involved in the geotechnical process, providing notifications when NOVA has completed milestones identified in the proposal for the work.

Information conveyed by the Milestones is intended to be informative, advising the client and the project design team of the progress and findings of the work.

SCHEDULE AND PROJECT ACTIVITY

NOVA received authorization to proceed with its geotechnical investigation proposal on April 19, 2022. Tasks defined within NOVA's proposal were or will be completed as follows.

Subtask 1-2, Site Reconnaissance	4/18/2022
Subtask 2-1, Engineering Borings	4/21/2022
Subtask 2-2, Percolation Testing	4/22/2022

Subtask 1-2, Site Reconnaissance

NOVA conducted a reconnaissance of the project site on April 18, 2022, in order to establish an understanding of the site prior to any fieldwork. Prospective locations for engineering borings and percolation tests were staked. The site was also delineated for Underground Service Alert (USA) using white paint. A Dig Alert ticket was obtained following site reconnaissance.

Subtask 1-2, Engineering Borings

A NOVA geologist directed the advancement of six (6) hollow stem auger borings to depths of up to 25 feet below ground surface (bgs) on April 21, 2022. The hollow stem borings were advanced by a truck-mounted GTech GT16 drill rig equipped with 8- inch diameter hollow stem augers.

The NOVA geologist maintained a log of all sampling that included descriptions of subsurface materials. Soil was described in accordance with the Unified Soil Classification System (USCS).

Both disturbed and relatively undisturbed samples were recovered from the borings, sampling soils as outlined below.

1. The Standard Penetration Test sampler ('SPT', after ASTM D1586) was driven using a 140-pound hammer falling for 30 inches with a total penetration of 18 inches. Blow counts were recorded for each 6 inches of penetration. SPT blow counts for the final 12 inches of penetration were used to calculate the SPT N value, which is used as an index of soil consistency.
2. The Modified California sampler ('ring sampler', after ASTM D3550) was driven in the same manner as the SPT sampler.
3. Bulk samples were recovered from both near surface soils and distinct soil type changes at depth to provide composite samples for index testing.

The recovered samples were transferred to NOVA's geotechnical laboratory for visual inspection and laboratory testing.

Upon completion, the borings were backfilled with cuttings. The area of each boring was cleaned and left as close to the original condition as feasible. Table 1 abstracts the location and depths of the engineering borings.

Table 1. Abstract of the Engineering Borings

Boring Reference	Approx. Ground Surface Elev. (feet, msl)[1]	Total Depth Below Ground Surface (feet)	Elevation at Completion (feet, msl) [1]	Approx. Depth to Groundwater (feet)
B-1	+943	25	+918	Not encountered
B-2	+950	25	+925	Not encountered
P-1	+948	15	+933	Not encountered
P-2	+949	15	+934	Not encountered
P-3	+942	15	+927	Not encountered
P-4	+953	15	+938	Not encountered

Note 1: elevations are approximate

Subtask 2-2, Percolation Testing

General

Four (4) of the engineering borings, P-1 through P-4, were converted into percolation test wells following the recommendations for infiltration testing presented in the San Bernadino County Technical Guidance Document for Water Quality Management Plans.

Drilling

The borings for the percolation tests were each drilled with an 8-inch hollow-stem auger to depths of 15 feet below ground surface (bgs). The borings were logged by a NOVA geologist, who observed and recorded exposed soil cuttings and the boring conditions.

Conversion to Percolation Tests

Once the borings were drilled to the desired depths, the borings were converted to percolation test wells by placing an approximately 2-inch layer of ¾-inch gravel on the bottom, then extending a 3-inch diameter Schedule 40 perforated PVC pipe to the ground surface. The ¾-inch gravel was used to partially fill the annular space around the perforated pipe below the existing finish grade to minimize the potential of soil caving.

Percolation Testing

The percolation test wells were pre-soaked by filling the holes with water to the ground surface level and testing commenced within a 26-hour window. On the day of testing, two 25-minute pre-test trials were conducted in each well.

In the percolation borings, the pre-soak water percolated at least 6 inches into the soil unit within 25 minutes. Based on the results of the pretrials, water levels were recorded every 10 minutes for a minimum of six readings. At the beginning of each test interval, the water level was raised to approximately the same level as the previous tests.

Percolation Test Results

The percolation rate of a soil profile is not the same as its infiltration rate ('I'). Therefore, the field-measured percolation rate was converted to an estimated infiltration rate utilizing the Porchet Method. Table 2 provides a summary of the percolation testing and related infiltration rates. Table 3 provides a summary of the factors of safety for design flow rate.

Table 2. Abstract of the Infiltration Testing

Boring Reference	Approximate Elevation (feet, msl) [1]	Total Depth (feet)	Approximate Percolation Test Elevation (feet, msl) [1]	Infiltration Rate (in/hr)[2]
P-1	+948	14.5	+935.5	70.2
P-2	+949	15	+936.5	12.2
P-3	+942	15	+929.5	14.4
P-4	+953	15	+940.5	16.1

Note 1: Elevations are Approximate
Note 2: No 'Factor of Safety' Included
Note 3: Data from P-1 should not be utilized for determination of average rates. P-2 through P-4 were considered representative values for infiltration potential at the site.

Table 3. Geotechnical Factors of Safety for Design Flow Rate

A: Site Suitability Considerations (From Table VII.3)	
Consideration	**Factor of Safety (FS)**
Soil Assessment Methods	2
Texture Class	1
Site Soil Variability	1
Depth to Groundwater / Impervious Later	1
Calculated Suitability Assessment Factor of Safety	**1.25**
B: Design Related Considerations (From Table VII.4)	
Consideration	**Factor of Safety (FS)**
Tributary Size Area	TBD by Infiltration Designer
Level of Pretreatment	TBD by Infiltration Designer
Redundancy of Treatment	TBD by Infiltration Designer
Compaction during Construction	TBD by Infiltration Designer
Calculated Design Factor of Safety	**TBD by Infiltration Designer**
Combined FS = Suitability FS X Design FS	**TBD by Infiltration Designer**

The combined factor of safety used to determine the design flow rate is determined by multiplying the calculated suitability assessment factor of safety of 1.5 by the design factor of safety, which is to be determined by the infiltration system designer. The combined factor of safety must be a minimum of 2.0 but need not exceed 9.0. The design infiltration rate is equal to the observed flow rate divided by the combined factor of safety.

Modifying Geotechnical Criteria

Overview

This subsection provides review of modifying geotechnical criteria that have been considered by NOVA in its assessment of the feasibility of developing stormwater infiltration BMPs at the subject parcels. These factors are listed below.

- Soil and Groundwater Conditions
- Slope Stability
- Utility Considerations
- Groundwater Mounding

The above geotechnical feasibility criteria are reviewed in the following subsections.

Soil and Groundwater Conditions

The engineering borings and percolation tests borings completed for this assessment disclose that moderately permeable, naturally occurring sands underlie the entire site. Extensive gradation testing of the sands shows that this mass of soil characteristically includes less than

10% fines (i.e., silt and clay-sized particles). As such, the soils may be expected to be of moderate to high permeability.

Groundwater was not encountered in borings and soundings that were advanced by previous consultants to 50 feet below ground surface (bgs). Based on NOVA's review of recently published literature, the groundwater elevation in the site vicinity is approximately 350 feet bgs. As such, seasonally high groundwater levels will not affect stormwater infiltration.

Slope Stability

The site does not include areas with descending slopes. Stormwater infiltration will not affect the stability of slopes and embankments.

Utilities

Stormwater infiltration BMPs should not be sited within 10 feet of underground utilities. By virtue of the preliminary nature of current planning, NOVA is not aware of any utility trenches within 10 feet of the locations of perspective BMPs. Accordingly, NOVA sees no constraint to the feasibility of stormwater BMPs by this consideration.

Groundwater Mounding

Stormwater infiltration can result in damaging groundwater mounding during wet periods. Mounded water would not be considered damaging to utilities, development infrastructure (pavements, flatwork, etc.), and building foundations and retaining walls, due to the design and location of the proposed basins.

The infiltration testing reported herein indicates that calculated infiltration rates are moderate to high. The groundwater elevation in the site vicinity is reported at approximately 350 feet bgs. As such, the implementation of stormwater infiltration BMPs should not result in groundwater mounding near individual BMPs.

Suitability of the Site for Stormwater Infiltration

In consideration of the site evaluation - particularly the moderately high measured infiltration rates and the relatively homogenous granular soils encountered across the site - it is the opinion of NOVA that with planning to avoid the potential geotechnical impacts, the site is suitable for application of stormwater infiltration BMPs.

Recommendations

The following should be considered for design of any required infiltration system.

- Water discharge from any infiltration systems should not occur shallower than 5 feet below the ground surface and be discharged into native deposits.
- Water discharge from any infiltration systems should not occur within the zone of influence of foundation footings (column and load-bearing wall locations). For

preliminary purposes, we recommend a minimum setback of 15 feet from the structural improvements.

- An adequate setback distance between any infiltration facility and adjacent private property should be maintained.
- It may be prudent to provide an overflow directly connected to the storm drain system in order to prevent failure of the infiltration system, either as a result of lower than anticipated infiltration and/or very high flow volumes. It should be noted that if pretreatment of runoff to remove debris, soil particles, etc., cannot be performed, design infiltration rates may need to be further reduced. Over time, siltation and plugging may reduce the infiltration rate and subsequent effectiveness of the infiltration system.
- Any designed infiltration system will require routine periodic maintenance.
- As with any systems that are designed to concentrate the surface flow and direct the water into the subsurface soils, some type of nuisance water and/or other water-related issues should be expected.

Considerations and Limitations

Note that the infiltration values reported herein are for native materials only and are not for compacted fill. Infiltration shall not be permitted directly on or into compacted fill soils. The infiltration values provided are based on clean water and this requires the removal of trash, debris, soil particles, and on-going maintenance. Over time, siltation and plugging may clog the system and reduce the infiltration rate and effectiveness of the infiltration system. It should be noted that methods to prevent this shall be the sole responsibility of the infiltration designer and are not the purview of the geotechnical consultant. If adequate measures cannot be incorporated into the design and maintenance of the system, then the infiltration rates may need to be further reduced. These and other factors should be considered in selecting a design infiltration rate.

Milestone 2: Laboratory Testing

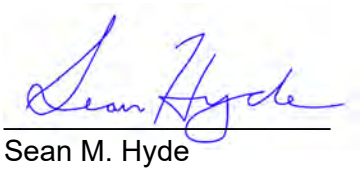
Laboratory testing has been initiated. NOVA anticipates laboratory test results will be available by May 9, 2022.

Milestone 3: Geologic and Engineering Analyses

Geotechnical analyses and report preparation have been initiated. NOVA anticipates the final report will be available by May 16, 2022.

CLOSURE

It is hoped the foregoing is clear. Should you have any questions regarding this Milestone or other matters, do not hesitate to contact the undersigned at 949.388.7710.



Sean M. Hyde
Staff Geologist

VII. NRCS SOILS REPORT

Map Scale: 1:1,860 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 25 50 100 150

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Bernardino County Southwestern Part, California
Survey Area Data: Version 13, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 5, 2020—Feb 6, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background

NOISE AND VIBRATION IMPACT ANALYSIS

627 BON VIEW WAREHOUSE PROJECT

ONTARIO, CALIFORNIA

LSA

November 2022

NOISE AND VIBRATION IMPACT ANALYSIS

627 BON VIEW WAREHOUSE PROJECT

ONTARIO, CALIFORNIA

Submitted to:

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Project No. ESL2201.23

November 2022

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LIST OF ABBREVIATIONS AND ACRONYMS

City	City of Ontario
CNEL	Community Noise Equivalent Level
dBA	A-weighted decibel
EPA	United States Environmental Protection Agency
ft	feet
FHWA	Federal Highway Administration
FSEIR	Final Supplemental Environmental Impact Report
FTA	Federal Transit Administration
HVAC	heating, ventilation, and air conditioning
in/sec	inches per second
L_{dn}	day-night average noise level
L_{eq}	equivalent continuous sound level
L_{max}	maximum instantaneous sound level
ONT	Ontario International Airport
PPV	peak particle velocity
project	627 Bon View Warehouse Project
RMS	root-mean-square
sf	square feet
SPL	sound power level
VdB	vibration velocity decibels

INTRODUCTION

This noise and vibration impact analysis has been prepared to evaluate the potential noise and vibration impacts and reduction measures associated with the proposed 627 Bon View Warehouse Project (project) in the City of Ontario (City), California. This report is intended to satisfy the City of Ontario (City) requirement for a project-specific noise impact analysis by examining the impacts of the project site and evaluating noise reduction measures that the project may require.

PROJECT LOCATION AND DESCRIPTION

The proposed project is located on 627 Bon View Avenue in the City of Ontario, San Bernardino County, California, southeast of the Ontario Boulevard and Bon View Avenue intersection. The total project size would be approximately 10.05-acres. Figure 1 illustrates the project site location.

The proposed project would demolish the existing six structures on site, totaling 77,696 square feet (sf) and construct two industrial warehouse buildings. Building 1 would be approximately of 192,367 sf and Building 2 would be approximately 46,091 sf, for a total of 238,458 sf of building area. The project would divide the 10.05-acre parcel into two separate parcels with the northern parcel totaling 8.09 acres and the southern parcel totaling 1.90 acres. The proposed project would not require a change to the General Plan land use designation or the current zoning and would be consistent with the City's General Plan and Zoning Ordinance.

Building 1 would be located on the northern parcel and would total 192,376 square feet, inclusive of 4,000 square feet of ground floor office space and 4,000 square feet of mezzanine. 20 trailer stalls, and 106 standard parking spaces. In addition, approximately 53,500 sf of ornamental landscaping would be associated with Building 1.

Building 2 would be located on the southern parcel and would total 46,091 square feet, inclusive of 3,000 square feet of ground floor office space. Building 2 would include 5 dock doors, 2 trailer stalls, and 37 standard parking spaces. Approximately 8,600 sf of ornamental landscaping would be associated with Building 2. Figure 2 depicts the proposed project's site plan.

Typical operational characteristics include employees traveling to and from the site, delivery of products to the site, and truck loading and unloading. The project is assumed to operate 24 hours a day, 7 days a week; however, this may shift depending on the tenant, as the hours of operation are unknown. The project would be operated as two individual warehouses. The proposed project would generate a total of 329 average daily trips, including 238 passenger vehicle trips, 15 two-axle truck trips, 19 three-axle truck trips, and 57 four-axle truck trips.

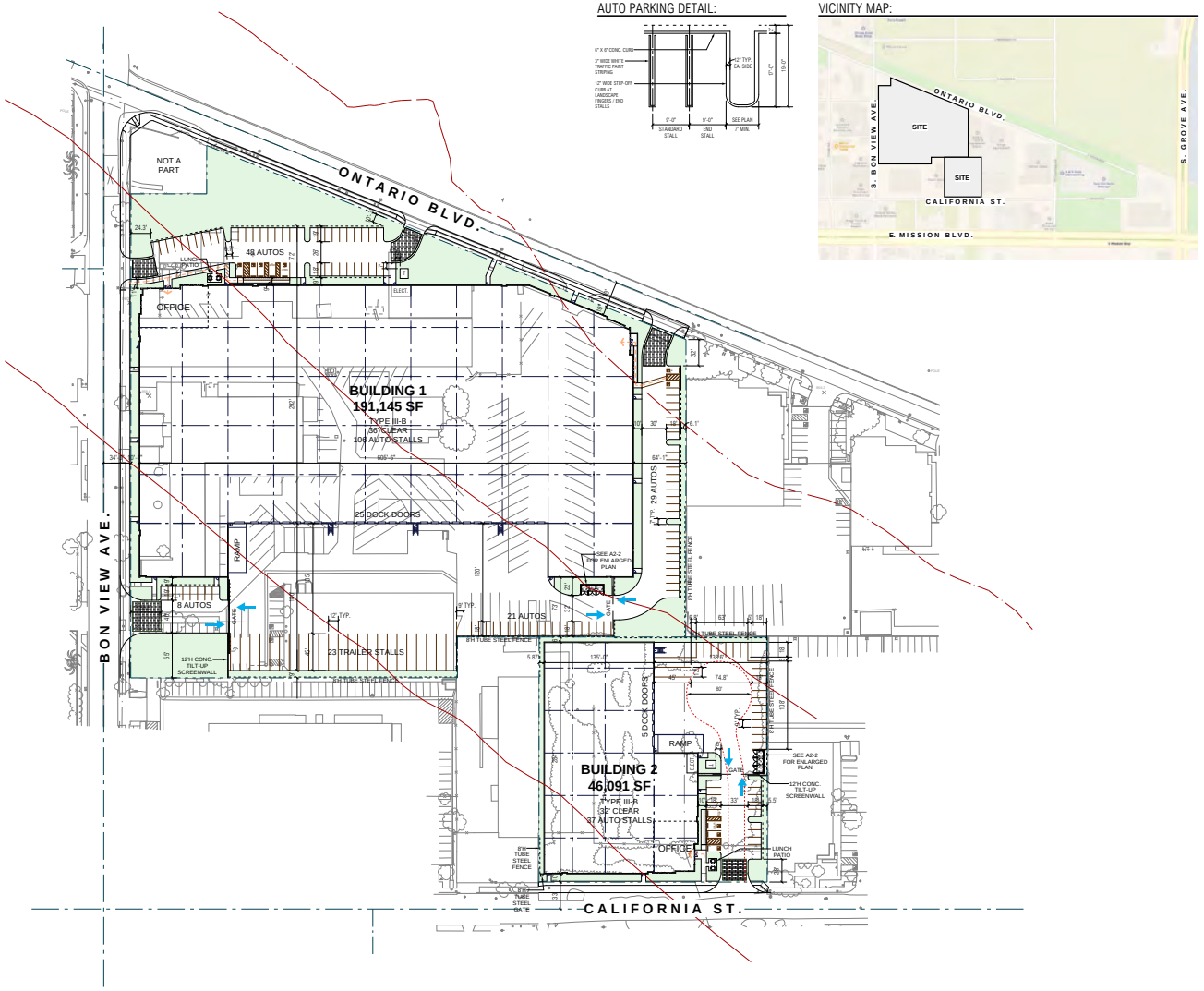
EXISTING LAND USES IN THE PROJECT AREA

The project site is surrounded primarily by industrial and residential uses. The areas adjacent to the project site include the following uses:

- **North:** Existing vacant and undeveloped land and Union Pacific Railroad opposite Ontario Boulevard;
- **West:** Existing industrial uses opposite Bon View Avenue;
- **South:** Existing industrial park building and recycling center; and
- **East:** Existing industrial uses.

The closest sensitive receptors to the project site are:

- **South:** Existing single-family home located approximately 80 feet from the project site opposite East California Street.



AUTO PARKING DETAIL:

VICINITY MAP:

PROJECT DATA

	BUILDING 1		BUILDING 2		TOTAL	
SITE AREA	353,752	SF	83,839	SF	437,591	SF
	8.12	AC	1.92	AC	10.05	AC
BUILDING AREA						
FOOTPRINT	187,145	SF	46,091	SF	233,236	SF
MEZZANINE	4,000	SF	0	SF	4,000	SF
TOTAL	191,145	SF	46,091	SF	237,236	SF
FLOOR AREA BY USE						
OFFICE	8,000	SF	3,000	SF	11,000	SF
WAREHOUSE	183,145	SF	43,091	SF	226,236	SF
TOTAL	191,145	SF	46,091	SF	237,236	SF
COVERAGE	52.90%		54.98%		53.30%	
F.A.R.	0.540		0.550		0.542	
PARKING REQUIRED						
OFFICE (N.A. < 10%)	0		0		0	
WAREHOUSE < 20K SF @ 1/1000	20		20		40	
WAREHOUSE > 20K SF @ 1/2000	86		13		99	
TOTAL	106		33		139	
PARKING PROVIDED						
STANDARD STALLS	101		35		136	
ADA STALLS	5		2		7	
TOTAL	106		37		143	
LANDSCAPE AREA	53,500	SF	8,600	SF	62,100	SF
LANDSCAPE %	15.12%		10.26%		14.19%	
DOCK LOADING DOORS	25		5		30	
TRAILER PARKING REQUIRED	7		2		9	
TRAILER PARKING PROVIDED	20		2		22	

SITE INFORMATION:

APN'S: 1049-918-114

ZONE: IG (GENERAL INDUSTRIAL)

SETBACKS:
ONTARIO BLVD. 10'
BON VIEW AVE. 10'
CALIFORNIA ST. 10'

DRIVE AISLE TO PL: 10' EXT. / 5' INT.

PARKING TO BUILDINGS, WALLS, FENCES:
10' @ OFFICE AREAS
5' @ REMAINDER

DRIVE AISLE TO BUILDINGS, WALLS, FENCES:
10'
(0' INSIDE SCREENED YARD)

LANDSCAPE REQUIRED: 15% (CORNER LOT - BLDG 1)
10% (INTERIOR LOT - BLDG 2)

SITE LEGEND:

ADA PATH OF TRAVEL

NEW 8'H BLACK TUBE STEEL FENCE

LANDSCAPE AREA

DECORATE PAVING AT DRIVEWAYS: SAWCUT SCORE PATTERN W/ 24"X48" OFFSET PATTERN

SCE PAD-MOUNT TRANSFORMER

TYPICAL PARKING STALLS - 9' X 18' STRIPED PER CITY STANDARDS

PROJECT CONTACT LIST

OWNER / OWNER REP:
WPT INDUSTRIAL
PHONE: 310-977-2857
EMAIL:
CONTACT: JONAH CHODOSH

CIVIL ENGINEER:
STANTEC
735 E. CARNEGIE DR. #280
SAN BERNARDINO, CA 92408
PHONE: 909-255-8235
E-MAIL:
CONTACT: STEPHEN CREVOSERAT

ARCHITECT:
RGA OFFICE OF ARCHITECTURAL DESIGN
15231 ALTON PARKWAY, SUITE 100
IRVINE, CA 92618
PHONE: 949-341-0020
E-MAIL: chris@rga-architects.com
CONTACT: CHRIS SAVAGE

LANDSCAPE ARCHITECT:
ENVIRONS LANDSCAPE
801 EL BERNO
SAN CLEMENTE, CA 92672
PHONE: 909-626-4983
E-MAIL:
CONTACT: BRETT FRENCH

GENERAL NOTES:

1. EXISTING CONSTRUCTION SITE DEBRIS TO BE REMOVED.
2. THE SITE CURRENTLY SLOPES +/- 2 %.
3. NO SIGNS ARE PROPOSED WITH THIS APPLICATION PACKAGE.
4. ALL PROPOSED NEW ON-SITE UTILITY SERVICES SHALL BE UNDERGROUNDED.
5. DRIVEWAYS SHALL BE CONSTRUCTED PER CITY STANDARD PLAN.
6. DAMAGED SECTIONS OF CURB & GUTTER ALONG PUBLIC RIGHT OF WAY SHALL BE REPAIRED.
7. "SITE PLAN SHALL MEET ALL ENGINEERING AND NPDES REQUIREMENTS".
8. ALL EXTERIOR LIGHT SHALL BE A 1 FC MIN.
9. ALL BACKFLOW DEVICES SHALL HAVE A SECURE LOCKABLE CAGE AROUND IT.
10. SLOPES GREATER THAN 3:1 WILL REQUIRE JUTE NETTING WITH GROUNDCOVER.
11. ALL OUT SWINGING DOORS TO HAVE NON-REMOVABLE HINGE PINS.
12. ALL GATES ARE MANUALLY OPERATED AND ARE INTENDED TO REMAIN OPEN DURING BUSINESS HOURS.

LSA

FIGURE 2

N

0 75 150

FEET

SOURCE: Van Dam Engineering

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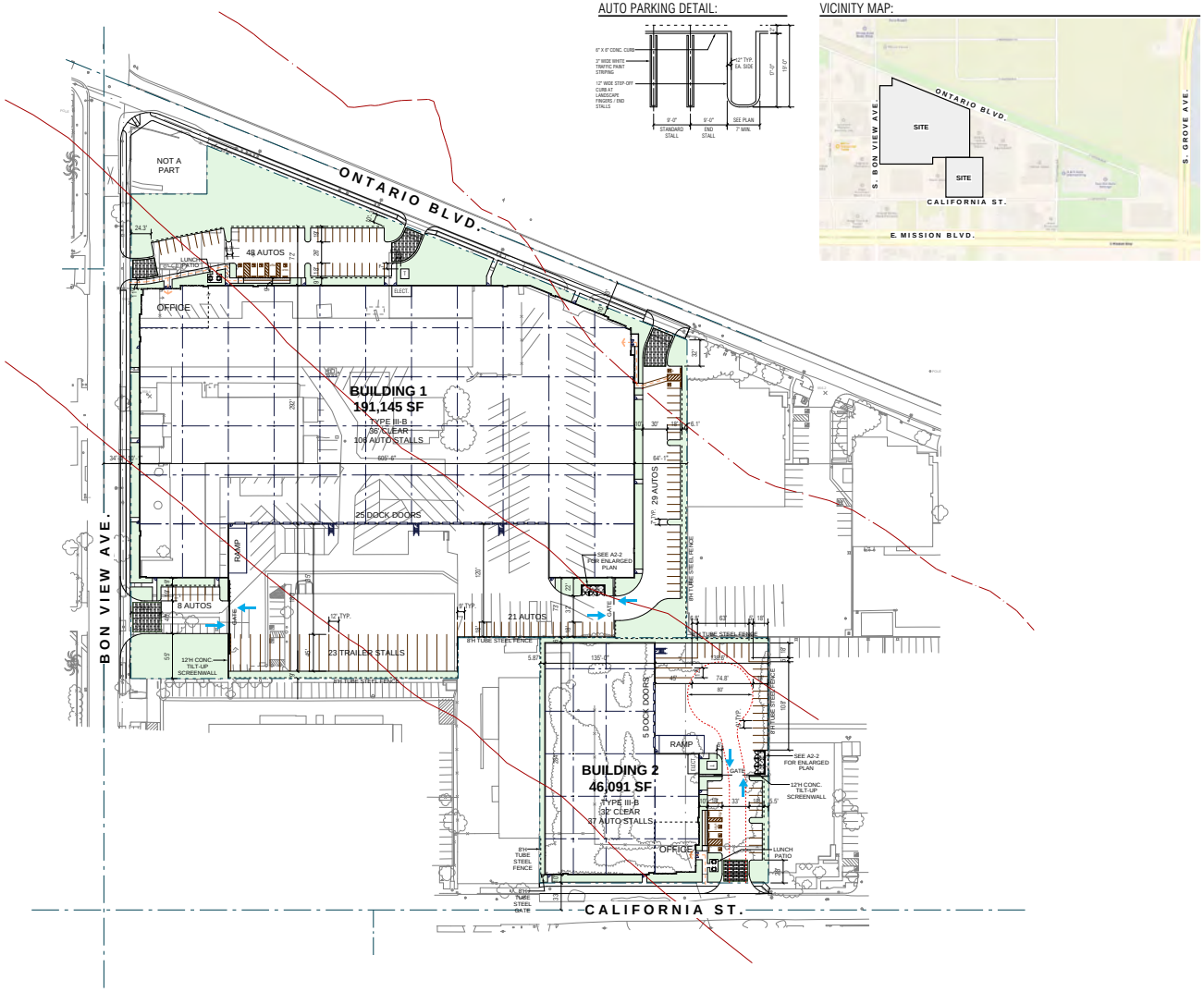
627 Bon View Warehouse Project

Project Site Plan



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LSA

FIGURE 2

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0 75 150

FEET

SOURCE: Van Dam Engineering

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627 Bon View Warehouse Project

Project Site Plan

NOISE AND VIBRATION FUNDAMENTALS

CHARACTERISTICS OF SOUND

Noise is usually defined as unwanted sound. Noise consists of any sound that may produce physiological or psychological damage and/or interfere with communication, work, rest, recreation, and sleep.

To the human ear, sound has two significant characteristics: pitch and loudness. Pitch is generally an annoyance, while loudness can affect the ability to hear. Pitch is the number of complete vibrations, or cycles per second, of a sound wave, which results in the tone's range from high to low. Loudness is the strength of a sound, and it describes a noisy or quiet environment; it is measured by the amplitude of the sound wave. Loudness is determined by the intensity of the sound waves combined with the reception characteristics of the human ear. Sound intensity is the average rate of sound energy transmitted through a unit area perpendicular to the direction in which the sound waves are traveling. This characteristic of sound can be precisely measured with instruments. The analysis of a project defines the noise environment of the project area in terms of sound intensity and its effect on adjacent sensitive land uses.

MEASUREMENT OF SOUND

Sound intensity is measured with the A-weighted decibel (dBA) scale to correct for the relative frequency response of the human ear. That is, an A-weighted noise level de-emphasizes low and very high frequencies of sound, similar to the human ear's de-emphasis of these frequencies. Decibels (dB), unlike the linear scale (e.g., inches or pounds), are measured on a logarithmic scale representing points on a sharply rising curve.

For example, 10 dB is 10 times more intense than 0 dB, 20 dB is 100 times more intense than 0 dB, and 30 dB is 1,000 times more intense than 0 dB. Thirty decibels (30 dB) represents 1,000 times as much acoustic energy as 0 dB. The decibel scale increases as the square of the change, representing the sound pressure energy. A sound as soft as human breathing is about 10 times greater than 0 dB. The decibel system of measuring sound gives a rough connection between the physical intensity of sound and its perceived loudness to the human ear. A 10 dB increase in sound level is perceived by the human ear as only a doubling of the sound's loudness. Ambient sounds generally range from 30 dB (very quiet) to 100 dB (very loud).

Sound levels are generated from a source, and their decibel level decreases as the distance from that source increases. Sound levels dissipate exponentially with distance from their noise sources. For a single point source, sound levels decrease approximately 6 dB for each doubling of distance from the source. This drop-off rate is appropriate for noise generated by stationary equipment. If noise is produced by a line source (e.g., highway traffic or railroad operations), the sound decreases 3 dB for each doubling of distance in a hard site environment. Line source sound levels decrease 4.5 dB for each doubling of distance in a relatively flat environment with absorptive vegetation.

There are many ways to rate noise for various time periods, but an appropriate rating of ambient noise affecting humans also accounts for the annoying effects of sound. The equivalent continuous sound level (L_{eq}) is the total sound energy of time-varying noise over a sample period. However, the predominant rating scales for human communities in the State of California are the L_{eq} and Community Noise Equivalent Level (CNEL) or the day-night average noise level (L_{dn}) based on A-weighted decibels. CNEL is the time-weighted average noise over a 24-hour period, with a 5 dBA weighting factor applied to the hourly L_{eq} for noises occurring from 7:00 p.m. to 10:00 p.m. (defined as relaxation hours) and a 10 dBA weighting factor applied to noises occurring from 10:00 p.m. to 7:00 a.m. (defined as sleeping hours). L_{dn} is similar to the CNEL scale but without the adjustment for events occurring during the relaxation. CNEL and L_{dn} are within 1 dBA of each other and are normally interchangeable. The City uses the CNEL noise scale for long-term traffic noise impact assessment.

Other noise rating scales of importance when assessing the annoyance factor include the maximum instantaneous noise level (L_{max}), which is the highest sound level that occurs during a stated time period. The noise environments discussed in this analysis for short-term noise impacts are specified in terms of maximum levels denoted by L_{max}, which reflects peak operating conditions and addresses the annoying aspects of intermittent noise. It is often used together with another noise scale, or noise standards in terms of percentile noise levels, in noise ordinances for enforcement purposes. For example, the L_{10} noise level represents the noise level exceeded 10 percent of the time during a stated period. The L_{50} noise level represents the median noise level. Half the time the noise level exceeds this level, and half the time it is less than this level. The L_{90} noise level represents the noise level exceeded 90 percent of the time and is considered the background noise level during a monitoring period. For a relatively constant noise source, the L_{eq} and L_{50} are approximately the same.

Noise impacts can be described in three categories. The first category includes audible impacts, which are increases in noise levels noticeable to humans. Audible increases in noise levels generally refer to a change of 3 dB or greater because this level has been found to be barely perceptible in exterior environments. The second category, potentially audible, refers to a change in the noise level between 1 dB and 3 dB. This range of noise levels has been found to be noticeable only in laboratory environments. The last category includes changes in noise levels of less than 1 dB, which are inaudible to the human ear. Only audible changes in existing ambient or background noise levels are considered potentially significant.

Physiological Effects of Noise

Physical damage to human hearing begins at prolonged exposure to sound levels higher than 85 dBA. Exposure to high sound levels affects the entire system, with prolonged sound exposure in excess of 75 dBA increasing body tensions, thereby affecting blood pressure and functions of the heart and the nervous system. In comparison, extended periods of sound exposure above 90 dBA would result in permanent cell damage. When the sound level reaches 120 dBA, a tickling sensation occurs in the human ear, even with short-term exposure. This level of sound is called the threshold of feeling. As the sound reaches 140 dBA, the tickling sensation is replaced by a feeling of pain in the ear (i.e., the threshold of pain). A sound level of 160–165 dBA will result in dizziness or a

loss of equilibrium. The ambient or background noise problem is widespread and generally more concentrated in urban areas than in outlying, less developed areas.

Table A lists definitions of acoustical terms, and Table B shows common sound levels and their sources.

Table A: Definitions of Acoustical Terms

Term	Definitions
Decibel, dB	A unit of sound measurement that denotes the ratio between two quantities that are proportional to power; the number of decibels is 10 times the logarithm (to the base 10) of this ratio.
Frequency, Hz	Of a function periodic in time, the number of times that the quantity repeats itself in 1 second (i.e., the number of cycles per second).
A-Weighted Sound Level, dBA	The sound level obtained by use of A-weighting. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise. (All sound levels in this report are A-weighted unless reported otherwise.)
L_{01}, L_{10}, L_{50}, L_{90}	The fast A-weighted noise levels that are equaled or exceeded by a fluctuating sound level 1%, 10%, 50%, and 90% of a stated time period, respectively.
Equivalent Continuous Noise Level, L_{eq}	The level of a steady sound that, in a stated time period and at a stated location, has the same A-weighted sound energy as the time-varying sound.
Community Noise Equivalent Level, CNEL	The 24-hour A-weighted average sound level from midnight to midnight, obtained after the addition of 5 dBA to sound levels occurring in the evening from 7:00 p.m. to 10:00 p.m. and after the addition of 10 dBA to sound levels occurring in the night between 10:00 p.m. and 7:00 a.m.
Day/Night Noise Level, L_{dn}	The 24-hour A-weighted average sound level from midnight to midnight, obtained after the addition of 10 dBA to sound levels occurring in the night between 10:00 p.m. and 7:00 a.m.
L_{max}, L_{min}	The maximum and minimum A-weighted sound levels measured on a sound level meter, during a designated time interval, using fast time averaging.
Ambient Noise Level	The all-encompassing noise associated with a given environment at a specified time. Usually a composite of sound from many sources from many directions, near and far; no particular sound is dominant.
Intrusive	The noise that intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends upon its amplitude, duration, frequency, time of occurrence, and tonal or informational content, as well as the prevailing ambient noise level.

Source: *Handbook of Acoustical Measurements and Noise Control* (Harris 1991).

Table B: Common Sound Levels and Their Noise Sources

Noise Source	A-Weighted Sound Level in Decibels	Noise Environments	Subjective Evaluations
Near Jet Engine	140	Deafening	128 times as loud
Civil Defense Siren	130	Threshold of Pain	64 times as loud
Hard Rock Band	120	Threshold of Feeling	32 times as loud
Accelerating Motorcycle at a Few Feet Away	110	Very Loud	16 times as loud
Pile Driver; Noisy Urban Street/Heavy City Traffic	100	Very Loud	8 times as loud
Ambulance Siren; Food Blender	95	Very Loud	—
Garbage Disposal	90	Very Loud	4 times as loud
Freight Cars; Living Room Music	85	Loud	—
Pneumatic Drill; Vacuum Cleaner	80	Loud	2 times as loud
Busy Restaurant	75	Moderately Loud	—
Near Freeway Auto Traffic	70	Moderately Loud	Reference level
Average Office	60	Quiet	One-half as loud
Suburban Street	55	Quiet	—
Light Traffic; Soft Radio Music in Apartment	50	Quiet	One-quarter as loud
Large Transformer	45	Quiet	—
Average Residence without Stereo Playing	40	Faint	One-eighth as loud
Soft Whisper	30	Faint	—
Rustling Leaves	20	Very Faint	—
Human Breathing	10	Very Faint	Threshold of Hearing
—	0	Very Faint	—

Source: Compiled by LSA (2022).

FUNDAMENTALS OF VIBRATION

Vibration refers to ground-borne noise and perceptible motion. Ground-borne vibration is almost exclusively a concern inside buildings and is rarely perceived as a problem outdoors, where the motion may be discernible, but without the effects associated with the shaking of a building there is less adverse reaction. Vibration energy propagates from a source through intervening soil and rock layers to the foundations of nearby buildings. The vibration then propagates from the foundation throughout the remainder of the structure. Building vibration may be perceived by occupants as the motion of building surfaces, the rattling of items sitting on shelves or hanging on walls, or a low-frequency rumbling noise. The rumbling noise is caused by the vibration of walls, floors, and ceilings that radiate sound waves. Annoyance from vibration often occurs when the vibration exceeds the threshold of perception by 10 dB or less. This is an order of magnitude below the damage threshold for normal buildings.

Typical sources of ground-borne vibration are construction activities (e.g., blasting, pile-driving, and operating heavy-duty earthmoving equipment), steel-wheeled trains, and occasional traffic on rough roads. Problems with both ground-borne vibration and noise from these sources are usually localized to areas within approximately 100 ft from the vibration source, although there are examples of ground-borne vibration causing interference out to distances greater than 200 ft (FTA 2018). When roadways are smooth, vibration from traffic, even heavy trucks, is rarely perceptible. It is assumed for most projects that the roadway surface will be smooth enough that ground-borne

vibration from street traffic will not exceed the impact criteria; however, construction of the project could result in ground-borne vibration that may be perceptible and annoying.

Ground-borne noise is not likely to be a problem because noise arriving via the normal airborne path will usually be greater than ground-borne noise.

Ground-borne vibration has the potential to disturb people and damage buildings. Although it is very rare for train-induced ground-borne vibration to cause even cosmetic building damage, it is not uncommon for construction processes such as blasting and pile-driving to cause vibration of sufficient amplitudes to damage nearby buildings (FTA 2018). Ground-borne vibration is usually measured in terms of vibration velocity, either the root-mean-square (RMS) velocity or peak particle velocity (PPV). The RMS is best for characterizing human response to building vibration, and PPV is used to characterize the potential for damage. Decibel notation acts to compress the range of numbers required to describe vibration. Vibration velocity level in decibels is defined as

$$L_v = 20 \log_{10} [V/V_{ref}]$$

where "L_v" is the vibration velocity in decibels (VdB), "V" is the RMS velocity amplitude, and "V_{ref}" is the reference velocity amplitude, or 1×10^{-6} inches/second (in/sec) used in the United States.

REGULATORY SETTING

APPLICABLE NOISE STANDARDS

The applicable noise standards governing the project site include the criteria in the City of Ontario Noise Element and Chapter 29, Noise, of the City's Municipal Code (OMC).

City of Ontario

City of Ontario General Plan

The City of Ontario establishes land use compatibility standards in the Safety Element of the City of Ontario General Plan (2010). The General Plan Land Use Compatibility Standards for Community Noise Environments are shown in Table C. The land use category listed in the General Plan Land Use Compatibility Standards that most closely applies to the proposed project is Industrial. Under this designation, up to 80 dBA CNEL is considered to be the "normally acceptable" noise level for this type of new land use development (Warehousing). Additionally, noise levels of up to 65 dBA CNEL are considered "normally acceptable" for residential uses.

Table C: Land Use/Noise Computability Guidelines

Land Use Categories		Community Noise Equivalent Level (CNEL)			
Category	Uses	Clearly Acceptable[1]	Normally Acceptable[2]	Normally Unacceptable[3]	Clearly Unacceptable[4]
Residential/Lodging	Single Family/Duplex	<60	60-65	65-70	70-85
	Multifamily	<60	60-65	65-75	75-85
	Mobile Homes	<60	60-65	-	65-85
	Hotel/Motel	<65	65-70	70-80	80-85
Public/Institutional	Schools/Hospitals	<60	60-65	65-70	70-85
	Churches/Libraries	<60	60-65	65-70	70-85
	Auditoriums/Concert Halls	<55	55-60	60-70	70-85
Commercial	Offices	<65	65-75	75-80	80-85
	Retail	<70	70-75	75-80	80-85
Industrial	Manufacturing	<70	70-75	75-85	-
	Warehousing	<70	70-80	80-85	-
Recreational/Open Space	Parks/Playgrounds	<65	65-70	70-75	75-85
	Golf Course/Riding Stables	<65	65-70	70-75	75-85
	Outdoor Spectator Sports	<60	60-65	65-70	
	Outdoor Music Shells/Amphitheaters	-	<60	60-65	65-85
	Livestock/Wildlife Preserves	<70	-	70-75	75-85
	Crop Agriculture	<55-85	-	-	-

Source: Ontario 2010.
[1] No special noise insulation required, assuming buildings of normal conventional construction.
[2] Acoustical reports will be required for major new residential construction. Conventional construction with closed windows and fresh air supply systems of air conditions will normally suffice.
[3] New construction should be discouraged. Noise/aviation easements required for all new construction. If new construction does proceed, a detailed analysis of noise reduction requirements must be made, and necessary noise insulation features included.
[4] No new construction should be permitted.

City of Ontario Municipal Code

The City addresses noise in Chapter 29, *Noise*, of the OMC which is designed to control unnecessary, excessive, and annoying sounds generated on one piece of property from impacting an adjacent property, and to protect residential areas from noise sources, including noise generated by traffic. Table D presents the exterior noise standards that limit noise exposure to sensitive receptors.

Table D: Exterior Noise Standards

Land Use	Allowed Equivalent Noise Level, L_{eq}	
	Daytime (7:00 a.m. to 10:00 p.m.)	Nighttime (10:00 p.m. to 7:00 a.m.)
Single-Family Residential	65 dBA	45 dBA
Multi-Family Residential	65 dBA	50 dBA
Commercial Property	65 dBA	60 dBA
Residential Portion of Mixed Use	70 dBA	70 dBA
Manufacturing and Industrial, Other Uses	70 dBA	70 dBA

Source: *City of Ontario Municipal Code, Section 5-29.04* (2022).
dBA = A-weighted decibels

The following supplemental standards shall apply to Table D:

- The noise limits summarized in Table D shall not exceed 1) the noise standard for the applicable zone for any 15-minute period (L_{25}) and 2) a maximum instantaneous noise level equal to the value of the noise standard plus 20 dBA for any period of time (L_{max}).

- In the event the ambient noise level exceeds the noise standard, the maximum allowable noise level under such category shall be increased to reflect the maximum ambient noise level.

- The Noise Zone IV (residential portion of mixed use) standard shall apply to that portion of residential property falling within 100 feet of a commercial property or use, if the noise originates from that commercial property or use.

- If the measurement location is on a boundary between two different noise zones, the lower noise level standard applicable to the noise zone shall apply.

- Per Section, 5-29.11, the noise standards assigned to Noise Zone I (single-family residential) also apply to the outdoor use area of any school, day care center, hospital or similar health care institution, library, or museum while it is in use.

Section 5-29.06, *Exemptions*, of the Noise Chapter exempts the following:

- Any activity conducted on public property, or on private property with the consent of the owner, by any public entity or its officers, employees, representatives, agents, subcontractors, permittees, licensees, or lessees that the public entity has authorized are exempt from the provisions of this chapter. This includes, without limitation, sporting and recreational activities that are sponsored, co-sponsored, permitted or allowed by the City or any school district within

the City's jurisdictional boundaries. This also includes, without limitation, occasional outdoor gatherings, public dances, shows or sporting and entertainment events, provided such events are conducted pursuant to an approval, authorization, contract, lease, permit or sublease by the appropriate public entity, specifically the planning commission or City Council.

- Occasional outdoor gatherings, public dances, show, sporting, and entertainment events, provided said events are conducted pursuant to a permit or license issued by the appropriate jurisdiction relative to the staging of said events.

- Noise sources associated with construction, repair, remodeling, demolition, or grading of public rights-ofway or during authorized seismic surveys.

- All mechanical devices, apparatus, or equipment associated with agriculture operations provided that:

    - Operations do not take place between 8:00 pm and 7:00 am.

    - Such operations and equipment are utilized for the protection or salvage of agricultural crops during periods of potential or actual frost damage or other adverse weather conditions.

    - Such operations and equipment are associated with agricultural pest control through pesticide application, provided the application is made in accordance with permits issued by or regulations enforced by the California Department of Agriculture.

Section 5-29.09, *Construction activity noise regulations,* addresses construction noise and states that no person, while engaged in construction, remodeling, digging, grading, demolition or any other related building activity, shall operate any tool, equipment, or machine in a manner that produces loud noise that disturbs a person of normal sensitivity who works or resides in the vicinity, or a police or code enforcement officer, on any weekday except between the hours of 7:00 am and 6:00 pm or on Saturday or Sunday between the hours of 9:00 a.m. and 6:00 p.m.

Ontario Plan 2050 FSEIR

Mitigation Measures. The Ontario Plan 2050 Final Supplemental Environmental Impact Report (FSEIR) contains the following mitigation measures which are applicable to the project:

12-1 Prior to the issuance of building permits for any project that involves a noise-sensitive use within the 65 dBA CNEL contour of the Ontario International Airport, the project property owner/developers shall retain an acoustical engineer to conduct an acoustic analysis and identify, where appropriate, site design features and/or required building acoustical improvements (e.g., sound transmission class rated windows, doors, and attic baffling), to ensure compliance with the City's Noise Compatibility Criteria and the California State Building Code and California Noise Insulation Standards (Titles 24 and 21 of the California Code of Regulations).

12-2 Prior to issuance of a building permit, individual projects that involve vibration-intensive construction activities, such as pile drivers, jack hammers, and vibratory rollers near sensitive receptors shall be evaluated for potential vibration impacts. For construction within 135 feet of fragile structures, such as historical resources, within 100 feet of nonengineered timber and masonry buildings (e.g., most residential buildings), or within 75 feet of engineered concrete and masonry (no plaster); or a vibratory roller within 25 feet of any structure, the project applicant shall prepare a noise and vibration analysis to assess and mitigate potential noise and vibration impacts related to these activities. This noise and vibration analysis shall be conducted by a qualified and experienced acoustical consultant or engineer. The vibration levels shall not exceed Federal Transit Administration (FTA) architectural damage thresholds (e.g., 0.12 inches per second [in/sec] peak particle velocity [PPV] for fragile or historical resources, 0.2 in/sec PPV for nonengineered timber and masonry buildings, and 0.3 in/sec PPV for engineered concrete and masonry). If vibration levels would exceed this threshold, alternative uses shall be used, such as drilling piles as opposed to pile driving and static rollers as opposed to vibratory rollers. If necessary, construction vibration monitoring shall be conducted to ensure vibration thresholds are not exceeded.

12-4 Construction activities associated with new development that occurs near sensitive receptors shall be evaluated for potential noise impacts. Construction contractors shall implement the following measures for construction activities in the City of Ontario. Construction plans submitted to the City shall identify these measures on demolition, grading, and construction plans. The City of Ontario Planning and Building Departments shall verify that grading, demolition, and/or construction plans submitted include these notations prior to issuance of demolition, grading, and/or building permits.

- Construction activity is limited to the hours between 7:00 am and 6:00 pm Monday through Friday and 9:00 am to 6:00 pm Saturdays and Sundays, as prescribed in Municipal Code Section 5-29.09.
- During the entire active construction period, equipment and trucks used for project construction shall use the best-available noise control techniques wherever feasible (e.g., improved mufflers, equipment re-design, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds).
- Impact tools (e.g., jack hammers and hoe rams) shall be hydraulically or electrically powered wherever possible. Where the use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used along with external noise jackets on the tools.
- Stationary equipment such as generators and air compressors shall be located as far as feasible from nearby noise-sensitive uses.
- Stockpiling shall be located as far as feasible from nearby noise-sensitive receptors.
- Construction traffic shall be limited, to the extent feasible, to approved haul routes established by the City's Engineering Department Planning and Building Departments.

- At least 10 days prior to the start of construction activities, a sign shall be posted at the entrance(s) to the job site, clearly visible to the public, that includes permitted construction days and hours as well as the telephone numbers of the City's and contractor's authorized representatives that are assigned to respond in the event of a noise or vibration complaint. If the authorized contractor's representative receives a complaint, he/she shall investigate, take appropriate corrective action, and report the action to the City.
- Signs shall be posted at the job site entrance(s), within the on-site construction zones, and along queueing lanes (if any) to reinforce the prohibition of unnecessary engine idling. All other equipment shall be turned off if not in use for more than 5 minutes.
- During the entire active construction period and to the extent feasible, the use of noiseproducing signals, including horns, whistles, alarms, and bells, shall be for safety warning purposes only. The construction manager shall use smart back-up alarms, which automatically adjust the alarm level based on the background noise level or switch off back-up alarms and replace with human spotters in compliance with all safety requirements and laws.
- Erect temporary noise barriers (at least as high as the exhaust of equipment and breaking line-of-sight between noise sources and sensitive receptors), as necessary and feasible, to maintain construction noise levels at or below the performance standard of 80 dBA L_{eq}. Barriers shall be constructed with a solid material that has a density of at least 1.5 pounds per square foot with no gaps from the ground to the top of the barrier and may be lined on the construction side with an acoustical blanket, curtain, or equivalent absorptive material.

Federal Transit Administration

Because the City does not have construction noise level limits, construction noise was assessed using criteria from the Federal Transit Administration's (FTA) *Transit Noise and Vibration Impact Assessment Manual* (2018) (FTA Manual). Table E shows the FTA's Detailed Analysist Construction Noise Criteria based on the composite noise levels per construction phase.

Table E: Detailed Assessment Construction Noise Criteria

Land Use	Daytime 1-hour L_{eq} (dBA)	Nighttime 1-hour L_{eq} (dBA)
Residential	80	70
Commercial	85	85
Industrial	90	90

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
dBA = A-weighted decibels
L_{eq} = equivalent continuous sound level

APPLICABLE VIBRATION STANDARDS

Federal Transit Administration

Vibration standards included in the FTA Manual are used in this analysis for ground-borne vibration impacts on human annoyance. The criteria for environmental impact from ground-borne vibration and noise are based on the maximum levels for a single event. Table F provides the criteria for assessing the potential for interference or annoyance from vibration levels in a building.

Table F: Interpretation of Vibration Criteria for Detailed Analysis

Land Use	Max L_v (VdB)[1]	Description of Use
Workshop	90	Vibration that is distinctly felt. Appropriate for workshops and similar areas not as sensitive to vibration.
Office	84	Vibration that can be felt. Appropriate for offices and similar areas not as sensitive to vibration.
Residential Day	78	Vibration that is barely felt. Adequate for computer equipment and low-power optical microscopes (up to 20×).
Residential Night and Operating Rooms	72	Vibration is not felt, but ground-borne noise may be audible inside quiet rooms. Suitable for medium-power microscopes (100×) and other equipment of low sensitivity.

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
[1] As measured in 1/3-Octave bands of frequency over the frequency range 8 to 80 Hertz.
FTA = Federal Transit Administration
VdB = vibration velocity decibels
L_v = velocity in decibels
Max = maximum

Table G lists the potential vibration building damage criteria associated with construction activities, as suggested in the FTA Manual. FTA guidelines show that a vibration level of up to 0.5 in/sec in PPV is considered safe for buildings consisting of reinforced concrete, steel, or timber (no plaster), and would not result in any construction vibration damage. For non-engineered timber and masonry buildings, the construction building vibration damage criterion is 0.2 in/sec in PPV.

Table G: Construction Vibration Damage Criteria

Building Category	PPV (in/sec)
Reinforced concrete, steel, or timber (no plaster)	0.50
Engineered concrete and masonry (no plaster)	0.30
Non-engineered timber and masonry buildings	0.20
Buildings extremely susceptible to vibration damage	0.12

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
FTA = Federal Transit Administration
in/sec = inch/inches per second
PPV = peak particle velocity

OVERVIEW OF THE EXISTING NOISE ENVIRONMENT

The primary existing noise sources in the project area are transportation facilities such as Bon View Avenue, California Street, and Mission Boulevard, as well as industrial noise from adjacent properties. At the nearest surrounding sensitive receptors, traffic noise on Mission Boulevard and California Street are the dominant noise sources.

AMBIENT NOISE MEASUREMENTS

Long-Term Noise Measurements

Two (2) long-term (24-hour) noise level measurements were conducted on May 31, 2022, using two (2) Larson Davis Spark 706RC Dosimeters. Table H provides a summary of the measured hourly noise levels and calculated CNEL level from the long-term noise level measurement. Hourly noise levels at the surrounding uses are as low as 49.3 dBA L_{eq} during nighttime hours and 59.9 dBA L_{eq} during daytime hours. Long-term noise monitoring survey sheets are provided in Appendix A. Figure 3 shows the monitoring locations.

Table H: Long-Term 24-Hour Ambient Noise Monitoring Results

Location		Daytime Noise Levels[1] (dBA L_{eq})	Evening Noise Levels[2] (dBA L_{eq})	Nighttime Noise Levels[3] (dBA L_{eq})	Daily Noise Levels (dBA CNEL)
LT-1	On an electrical powerline pole on the wide side of residential building, 1004 E California St., approximately 70 feet from California St centerline.	59.9 – 68.4	61.8 – 66.5	49.3 – 59.5	66.1
LT-2	Located on the property 627 S Bon View, west of the property line, near the truck loading area.	63.9 – 67.5	61.1 – 65.1	52.3 – 64.5	67.9

Source: Compiled by LSA (2022).
Note: Noise measurements were conducted from May 31 to June 1, 2022, starting at 12:00 p.m.
[1] Daytime Noise Levels = noise levels during the hours from 7:00 a.m. to 7:00 p.m.
[2] Evening Noise Levels = noise levels during the hours from 7:00 p.m. to 10:00 p.m.
[3] Nighttime Noise Levels = noise levels during the hours from 10:00 p.m. to 7:00 a.m.
dBA = A-weighted decibels L_{eq} = equivalent continuous sound level
CNEL = Community Noise Equivalent Level

EXISTING AIRCRAFT NOISE

Airport-related noise levels are primarily associated with aircraft engine noise made while aircraft are taking off, landing, or running their engines while still on the ground. Ontario International Airport (ONT) is the closest airport use located approximately 0.5 miles east of the project site. The project site is located within the 65 dBA CNEL. However, the ambient noise level in the vicinity of the project is 66.1 dBA CNEL. Furthermore, levels up to 70 dBA CNEL are considered to be "clearly acceptable" for this type of land use development. Therefore, no further analysis associated with aircraft noise impacts is necessary. Additionally, there are no helipads or private airstrips within 2 miles from the project area.

LSA

LEGEND

Project Location

ST-1 Short-term Noise Monitoring Location

LT-1 Long-term Noise Monitoring Location

0 150 300

FEET

SOURCE: Google Earth 2022

I:\ESL2201.23\G\Noise_Locs.ai (10/28/2022)

FIGURE 3

627 Bon View Warehouse

Noise Monitoring Locations

PROJECT IMPACTS

SHORT-TERM CONSTRUCTION NOISE IMPACTS

Two types of short-term noise impacts could occur during the construction of the proposed project. First, construction crew commutes and the transport of construction equipment and materials to the site for the proposed project would incrementally increase noise levels on access roads leading to the site. Based on the results of the construction assessment with the *Air Quality, Health Risk, Greenhouse Gas, and Energy Impact Report for the 627 Bon View Warehouse* (LSA 2022), during demolition, approximately 36 haul trips per day would occur resulting in an ADT of 108, utilizing a passenger car equivalent factor of 3.0. Although there could be a relatively high single-event noise-exposure potential causing intermittent noise nuisance (passing trucks at 50 ft would generate up to 84 dBA L_{max}), the effect on longer-term ambient noise levels would be small when compared to existing daily traffic volumes on the adjacent roads. With an increase of 108 ADT as compared to the estimated Year 2019 ADT of 4,992 on Bon View Avenue based on volumes in the City's Traffic Division, an increase of less than 0.1 dBA CNEL is expected. A noise level increase of less than 1 dBA would not be perceptible to the human ear. Therefore, short-term, construction-related impacts associated with worker commute and equipment transport to the project site would be less than significant.

The second type of short-term noise impact is related to noise generated during construction which includes demolition, site preparation, grading, building construction, paving, and architectural coating on the project site. Construction is completed in discrete steps, each of which has its own mix of equipment and, consequently, its own noise characteristics. These various sequential phases would change the character of the noise generated on the site and, therefore, the noise levels surrounding the site as construction progresses. Despite the variety in the type and size of construction equipment, similarities in the dominant noise sources and patterns of operation allow construction-related noise ranges to be categorized by work phase. Table I lists typical construction equipment noise levels recommended for noise impact assessments, based on a distance of 50 ft between the equipment and a noise receptor, taken from the FHWA *Roadway Construction Noise Model* (FHWA 2006).

In addition to the reference maximum noise level, the usage factor provided in Table I is used to calculate the hourly noise level impact for each piece of equipment based on the following equation:

$$L_{eq}(equip) = E.L. + 10\log(U.F.) - 20\log\left(\frac{D}{50}\right)$$

where: $L_{eq}(equip)$ = L_{eq} at a receiver resulting from the operation of a single piece of equipment over a specified time period.

E.L. = noise emission level of the particular piece of equipment at a reference distance of 50 ft.

U.F. = usage factor that accounts for the fraction of time that the equipment is in use over the specified period of time.

D = distance from the receiver to the piece of equipment.

Table I: Typical Construction Equipment Noise Levels

Equipment Description	Acoustical Usage Factor (%)[1]	Maximum Noise Level (L_{max}) at 50 Feet[2]
Auger Drill Rig	20	84
Backhoes	40	80
Compactor (ground)	20	80
Compressor	40	80
Cranes	16	85
Dozers	40	85
Dump Trucks	40	84
Excavators	40	85
Flat Bed Trucks	40	84
Forklift	20	85
Front-end Loaders	40	80
Graders	40	85
Impact Pile Drivers	20	95
Jackhammers	20	85
Paver	50	77
Pickup Truck	40	55
Pneumatic Tools	50	85
Pumps	50	77
Rock Drills	20	85
Rollers	20	85
Scrapers	40	85
Tractors	40	84
Trencher	50	80
Welder	40	73

Source: FHWA Roadway Construction Noise Model User's Guide, Table 1 (FHWA 2006).
Note: Noise levels reported in this table are rounded to the nearest whole number.
[1] Usage factor is the percentage of time during a construction noise operation that a piece of construction equipment is operating at full power.
[2] Maximum noise levels were developed based on Specification 721.560 from the Central Artery/Tunnel program to be consistent with the City of Boston's Noise Code for the "Big Dig" project.
FHWA = Federal Highway Administration
L_{max} = maximum instantaneous sound level

Each piece of construction equipment operates as an individual point source. Using the following equation, a composite noise level can be calculated when multiple sources of noise operate simultaneously:

$$Leq\ (composite) = 10 * \log_{10}\left(\sum_{1}^{n} 10^{\frac{Ln}{10}}\right)$$

Using the equations from the methodology above, the reference information in Table I, and the construction equipment list provided, the composite noise level of each construction phase was calculated. The project construction composite noise levels at a distance of 50 feet would range from 74 dBA L_{eq} to 88 dBA L_{eq} with the highest noise levels occurring during the site preparation and grading phases.

Once composite noise levels are calculated, reference noise levels can then be adjusted for distance using the following equation:

$$Leq\ (at\ distance\ X) = Leq\ (at\ 50\ feet) - 20 * \log_{10}\left(\frac{X}{50}\right)$$

In general, this equation shows that doubling the distance would decrease noise levels by 6 dBA while halving the distance would increase noise levels by 6 dBA.

Table J shows the nearest sensitive uses to the project site, their distance from the center of construction activities, and composite noise levels expected during construction. These noise level projections do not take into account intervening topography or barriers. Construction equipment calculations are provided in Appendix B.

Table J: Potential Construction Noise Impacts at Nearest Receptor

Receptor (Location)	Composite Noise Level (dBA L_{eq}) at 50 feet[1]	Distance (feet)	Composite Noise Level (dBA L_{eq})
Industrial (South)	88	145	79
Industrial (East)		295	73
Residence (South)		465	69
Industrial (West)		475	69

Source: Compiled by LSA (2022).
The composite construction noise level represents the site preparation and grading phases which are expected to result in the greatest noise level as compared to other phases.
dBA L_{eq} = average A-weighted hourly noise level

While construction noise will vary, it is expected that composite noise levels during construction at the nearest off-site uses directly south of the project would reach 79 dBA L_{eq}. These predicted noise levels would only occur when all construction equipment is operating simultaneously; and therefore, are assumed to be rather conservative in nature. While construction-related short-term noise levels have the potential to be higher than existing ambient noise levels in the project area under existing conditions, the noise impacts would no longer occur once project construction is completed.

As stated above, noise impacts associated with construction activities are regulated by the City's noise ordinance. The proposed project will be required to comply with the construction hours specified in the City's Noise Ordinance, which states that construction activities are allowed between the hours of 7:00 am and 6:00 pm on any weekday or on Saturday or Sunday between the hours of 9:00 a.m. and 6:00 p.m.

As it relates to off-site uses, construction-related noise impacts would remain below the 80 dBA and 90 dBA 1-hour construction noise level criteria as established by the FTA for residential uses and industrial uses, respectively, for the average daily condition as modeled from the center of the project site and therefore would be considered less than significant. This impact would be less than that identified in the Ontario Plan 2050 FSEIR.

Consistent with Mitigation Measure 12-4 related to construction noise impacts identified in the Ontario Plan 2050 FSEIR, the following features should be implemented to reduce short-term construction noise impacts to the extent feasible.

The project contractor shall implement the following measures during construction of the project:

12-4 Construction activities associated with new development that occurs near sensitive receptors shall be evaluated for potential noise impacts. Construction contractors shall implement the following measures for construction activities in the City of Ontario. Construction plans submitted to the City shall identify these measures on demolition, grading, and construction plans. The City of Ontario Planning and Building Departments shall verify that grading, demolition, and/or construction plans submitted include these notations prior to issuance of demolition, grading, and/or building permits.

- Construction activity is limited to the hours between 7:00 am and 6:00 pm Monday through Friday and 9:00 am to 6:00 pm Saturdays and Sundays, as prescribed in Municipal Code Section 5-29.09.
- During the entire active construction period, equipment and trucks used for project construction shall use the best-available noise control techniques wherever feasible (e.g., improved mufflers, equipment re-design, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds).
- Impact tools (e.g., jack hammers and hoe rams) shall be hydraulically or electrically powered wherever possible. Where the use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used along with external noise jackets on the tools.
- Stationary equipment such as generators and air compressors shall be located as far as feasible from nearby noise-sensitive uses.
- Stockpiling shall be located as far as feasible from nearby noise-sensitive receptors.
- Construction traffic shall be limited, to the extent feasible, to approved haul routes established by the City's Engineering Department Planning and Building Departments.
- At least 10 days prior to the start of construction activities, a sign shall be posted at the entrance(s) to the job site, clearly visible to the public, that includes permitted construction days and hours as well as the telephone numbers of the City's and contractor's authorized representatives that are assigned to respond in the event of a noise or vibration complaint. If the authorized contractor's representative receives a complaint, he/she shall investigate, take appropriate corrective action, and report the action to the City.
- Signs shall be posted at the job site entrance(s), within the on-site construction zones, and along queueing lanes (if any) to reinforce the prohibition of unnecessary engine idling. All other equipment shall be turned off if not in use for more than 5 minutes.
- During the entire active construction period and to the extent feasible, the use of noise; producing signals, including horns, whistles, alarms, and bells, shall be for safety

warning purposes only. The construction manager shall use smart back-up alarms, which automatically adjust the alarm level based on the background noise level or switch off back-up alarms and replace with human spotters in compliance with all safety requirements and laws.

- Erect temporary noise barriers (at least as high as the exhaust of equipment and breaking line-of-sight between noise sources and sensitive receptors), as necessary and feasible, to maintain construction noise levels at or below the performance standard of 80 dBA L_{eq}. Barriers shall be constructed with a solid material that has a density of at least 1.5 pounds per square foot with no gaps from the ground to the top of the barrier and may be lined on the construction side with an acoustical blanket, curtain, or equivalent absorptive material.

SHORT-TERM CONSTRUCTION VIBRATION IMPACTS

This construction vibration impact analysis discusses the level of human annoyance using vibration levels in VdB and assesses the potential for building damages using vibration levels in PPV (in/sec). This is because vibration levels calculated in RMS are best for characterizing human response to building vibration, while vibration level in PPV is best for characterizing potential for damage.

Table K shows the PPV and VdB values at 25 ft from the construction vibration source. As shown in Table K, bulldozers, and other heavy-tracked construction equipment (expected to be used for this project) generate approximately 0.089 PPV in/sec or 87 VdB of ground-borne vibration when measured at 25 ft, based on the FTA Manual. The distance to the nearest buildings for vibration impact analysis is measured between the nearest off-site buildings and the project construction boundary (assuming the construction equipment would be used at or near the project setback line).

Table K: Vibration Source Amplitudes for Construction Equipment

Equipment	Reference PPV/L_V at 25 ft	
	PPV (in/sec)	L_V (VdB)[1]
Pile Driver (Impact), Typical	0.644	104
Pile Driver (Sonic), Typical	0.170	93
Vibratory Roller	0.210	94
Hoe Ram	0.089	87
Large Bulldozer[2]	**0.089**	**87**
Caisson Drilling	0.089	87
Loaded Trucks[2]	**0.076**	**86**
Jackhammer	0.035	79
Small Bulldozer	0.003	58

Source: *Transit Noise and Vibration Impact Assessment Manual* (FTA 2018).
[1] RMS vibration velocity in decibels (VdB) is 1 µin/sec.
[2] Equipment shown in **bold** is expected to be used on site.
µin/sec = microinches per second
ft = foot/feet
FTA = Federal Transit Administration
in/sec = inch/inches per second
L_V = velocity in decibels
PPV = peak particle velocity
RMS = root-mean-square
VdB = vibration velocity decibels

The formulae for vibration transmission are provided below and Tables L and M below provide a summary of off-site construction vibration levels.

$$L_vdB\ (D) = L_vdB\ (25\ ft) - 30\ Log\ (D/25)$$

$$PPV_{equip} = PPV_{ref}\ x\ (25/D)^{1.5}$$

Table L: Potential Construction Vibration Annoyance Impacts at Nearest Receptor

Receptor (Location)	Reference Vibration Level (VdB) at 25 feet[1]	Distance (feet)[2]	Vibration Level (VdB)
Industrial (South)	87	320	64
Industrial (East)		370	55
Residence (South)		400	49
Industrial (West)		420	49

Source: Compiled by LSA (2022).
1 The reference vibration level is associated with a large bulldozer which is expected to be representative of the heavy equipment used during construction.
2 The reference distance is associated with the average condition, identified by the distance from the center of construction activities to surrounding uses
ft = foot/feet
VdB = vibration velocity decibels

Table M: Potential Construction Vibration Damage Impacts at Nearest Receptor

Receptor (Location)	Reference Vibration Level (PPV) at 25 feet[1]	Distance (feet)[2]	Vibration Level (PPV)
Industrial (South)	0.089	5	0.352
Industrial (East)		5	0.352
Residence (South)		95	0.012
Industrial (West)		80	0.016

Source: Compiled by LSA (2022).
1 The reference vibration level is associated with a large bulldozer which is expected to be representative of the heavy equipment used during construction.
2 The reference distance is associated with the peak condition, identified by the distance from the perimeter of construction activities to surrounding structures
ft = foot/feet
in/sec = inch/inches per second
PPV = peak particle velocity

As shown in Table F above, the threshold at which vibration levels would result in annoyance would be 78 VdB for daytime residential uses and 84 VdB for office type uses. As shown in Table G, the FTA guidelines indicate that for a non-engineered timber and masonry building, the construction vibration damage criterion is 0.2 in/sec in PPV.

Based on the information provided in Table L, vibration levels are expected to approach 64 VdB at the closest industrial use to the south which is below the 84 VdB annoyance threshold for office type uses.

The closest structure to the project site is the industrial uses to the south and east of site, approximately 5 ft from the limits of construction activity. It is expected that vibration levels generated by dump trucks and other large equipment that would be as close as 5 feet from the property line would generate ground-borne vibration levels of up to 0.352 PPV (in/sec) at the closest structure to the project site, as shown in Table M.

This vibration level would exceed the 0.2 PPV (in/sec) threshold considered safe for non-engineered timber and masonry buildings. It is expected that construction activities utilizing heavy equipment would generate vibration levels greater than 0.2 in/sec in PPV when operating within 5 feet of the property line, which would result in a potentially significant impact. Therefore, the use of heavy equipment should be prohibited within 15 feet of existing structures to ensure that vibration levels are below the 0.2 PPV (in/sec) threshold. At 15 feet, dump trucks and other large equipment would generate ground-borne vibrations levels of up to 0.191 PPV (in/sec) at the closest structure to the project site and would not exceed the 0.2 PPV (in/sec) threshold. If heavy equipment is necessary within 15 feet of the east boundary of the project site, mitigation measure 12-2 would be implemented to reduce potential impacts:

12-2 Prior to issuance of a building permit, individual projects that involve vibration-intensive construction activities, such as pile drivers, jack hammers, and vibratory rollers near sensitive receptors shall be evaluated for potential vibration impacts. For construction within 135 feet of fragile structures, such as historical resources, within 100 feet of nonengineered timber and masonry buildings (e.g., most residential buildings), or within 75 feet of engineered concrete and masonry (no plaster); or a vibratory roller within 25 feet of any structure, the project applicant shall prepare a noise and vibration analysis to assess and mitigate potential noise and vibration impacts related to these activities. This noise and vibration analysis shall be conducted by a qualified and experienced acoustical consultant or engineer. The vibration levels shall not exceed Federal Transit Administration (FTA) architectural damage thresholds (e.g., 0.12 inches per second [in/sec] peak particle velocity [PPV] for fragile or historical resources, 0.2 in/sec PPV for nonengineered timber and masonry buildings, and 0.3 in/sec PPV for engineered concrete and masonry). If vibration levels would exceed this threshold, alternative uses shall be used, such as drilling piles as opposed to pile driving and static rollers as opposed to vibratory rollers. If necessary, construction vibration monitoring shall be conducted to ensure vibration thresholds are not exceeded.

Consistent with Mitigation Measure 12-2, specific construction related requirements would be implemented to reduce potential impacts associated with construction vibration. With the implementation of limiting heavy equipment within 15 feet of the eastern project boundary, vibration levels would be less than significant and would be less than the impacts identified in the Ontario Plan 2050 FSEIR.

Because construction activities are regulated by the City's Code of Ordinance which states temporary construction, maintenance, or demolition activities are not allowed between 6:00 p.m. on one day and 7:00 a.m. of the following day, vibration impacts would not occur during the more sensitive nighttime hours. Other building structures surrounding the project site are farther away and would experience further reduced vibration.

LONG-TERM OFF-SITE TRAFFIC NOISE IMPACTS

The guidelines included in the FHWA Highway Traffic Noise Prediction Model (FHWA-RD-77-108) were used to evaluate highway traffic-related noise conditions along roadway segments in the project vicinity. This model requires various parameters, including traffic volumes, vehicle mix, vehicle speed, and roadway geometry, to compute typical equivalent noise levels during daytime, evening, and nighttime hours. The resultant noise levels are weighted and summed over 24-hour periods to determine the CNEL values. Table N provides the traffic noise levels for the existing with and without project and opening year with and without project scenarios. These noise levels represent the worst-case scenario, which assumes no shielding is provided between the traffic and the location where the noise contours are drawn.

The without and with project scenario traffic volumes were obtained from the *Bon View/ Ontario Blvd Redevelopment Traffic Impact Analysis* (EPD Solutions, Inc. 2022). Appendix C provides the specific assumptions used in developing these noise levels and model printouts.

Table N shows that the increase in project-related traffic noise would be no greater than 0.6 dBA. Noise level increases above 3.0 dBA may be perceptible to some people in an outdoor environment, but the expected increase is less than the readily perceptible threshold of 5.0 dBA. Therefore, traffic noise impacts from project-related traffic on off-site sensitive receptors would be less than significant and consistent with the Ontario Plan 2050 FSEIR, and no mitigation measures are required.

LONG-TERM TRAFFIC-RELATED VIBRATION IMPACTS

The proposed project would not generate vibration levels related to on-site operations. In addition, vibration levels generated from project-related traffic on the adjacent roadways are unusual for on-road vehicles because the rubber tires and suspension systems of on-road vehicles provide vibration isolation. Vibration levels generated from project-related traffic on the adjacent roadways would be less than significant and no mitigation measures are required.

LONG-TERM OFF-SITE STATIONARY NOISE IMPACTS

Adjacent off-site land uses would be potentially exposed to stationary-source noise impacts from the proposed on-site heating, ventilation, and air conditioning (HVAC) equipment and truck deliveries and loading and unloading activities. The potential noise impacts to off-site sensitive land uses from the proposed HVAC equipment and truck delivery activities are discussed below. To provide a conservative analysis, it is assumed that operations would occur equally during all hours of the day. Additionally, it is assumed that within any given hour, thirteen (13) heavy trucks would maneuver to park near or back into one of the proposed loading docks at building 1 and three (3) heavy trucks at building 2. To determine the future noise impacts from project operations to the noise sensitive uses, a 3-D noise model, SoundPLAN, was used to incorporate the site topography as well as the shielding from the proposed building on-site. A graphic representation of the operational noise impacts is presented in Appendix D.

Table N: Traffic Noise Levels Without and With Proposed Project

Roadway Segment	Existing Without Project		Existing With Project		
	ADT	CNEL (dBA) 50 feet from Centerline of Nearest Lane	ADT	CNEL (dBA) 50 feet from Centerline of Nearest Lane	Increase from Existing Conditions
Bon View Avenue between Ontario Boulevard and Mission Boulevard	7,200	63.0	8,050	63.4	0.4
Ontario Boulevard East of Bon View Avenue	440	51.3	500	51.8	0.5
Mission Boulevard between Bon View Avenue and Grove Avenue	23,000	67.4	26,540	68.0	0.6
Grove Avenue North of Mission Boulevard	32,660	69.6	34,700	69.9	0.3

Source: Compiled by LSA (October 2022).
Note: Traffic noise within 50 feet of the roadway centerline should be evaluated with site-specific information.
Shaded cells indicate roadway segments adjacent to the project site.
ADT = average daily traffic
CNEL= Community Noise Equivalent Level
dBA = A-weighted decibels

Heating, Ventilation, and Air Conditioning Equipment

The project is assumed to have four (4) rooftop HVAC units on each of the proposed buildings to provide ventilation to the proposed office spaces. The HVAC equipment could operate 24 hours per day and would generate sound power levels (SPL) of up to 87 dBA SPL or 72 dBA L_{eq} at 5 feet, based on manufacturer data (Trane).

Truck Deliveries and Truck Loading and Unloading Activities

Noise levels generated by delivery trucks would be similar to noise readings from truck loading and unloading activities, which generate a noise level of 75 dBA L_{eq} at 20 ft based on measurements taken by LSA (*Operational Noise Impact Analysis for Richmond Wholesale Meat Distribution Center* [LSA 2016]). Delivery trucks would arrive on site and maneuver their trailers so that trailers would be parked within the loading docks. During this process, noise levels are associated with the truck engine noise, air brakes, and back-up alarms while the truck is backing into the dock. These noise levels would occur for a shorter period of time (less than 5 minutes). After a truck enters the loading dock, the doors would be closed, and the remainder of the truck loading activities would be enclosed and therefore much less perceptible. To present a conservative assessment, it is assumed that unloading activities could occur at thirteen (13) docks at building 1 and three (3) docks at building 2 simultaneously for a period of more than 30 minutes in a given hour.

Table O below shows the combined hourly noise levels generated by HVAC equipment and truck delivery activities at the closest off-site land uses. The project-related noise level impacts would range from 51.0 dBA L_{eq} to 61.6 dBA L_{eq} at the surrounding receptors. These levels would be below the City's noise standard of 65 dBA L_{eq} at the residential land uses and below the noise standard of 70 dBA L_{eq} for industrial land uses. Because project noise levels would not exceed the maximum permissible noise levels, the impact would be less than significant, consistent with the Ontario Plan 2050 FSEIR, and no noise reduction measures are required.

Table O: Exterior Noise Level Impacts

Receptor	Direction	Noise Level Standard (dBA L_{eq})	Project Generated Noise Levels (dBA L_{eq})	Potential Operational Noise Impact?[1]
Industrial	South	70	61.6	No
Industrial	East	70	60.6	No
Residential	South	65	51.0	No

Source: Compiled by LSA (2022).
[1] A potential operational noise impact would occur if (1) the project noise impacts are greater than the applicable noise standard, OR (2) if the quietest ambient hour is greater than the applicable noise standard and project noise impacts are 3 dBA greater than the quietest ambient hour.
dBA = A-weighted decibels
L_{eq} = equivalent noise level

REFERENCES

City of Ontario. 2021. *Municipal Code*. December 7.

_____2022. *The Ontario Plan 2050 Draft Supplemental Environmental Impact Report.* August

_____2010. *General Plan Safety Element*.

_____2019. *Traffic Division*.

EPD Solutions, Inc. 2022. *Bon View/ Ontario Blvd Redevelopment Traffic Impact Analysis.* October 20.

Federal Highway Administration (FHWA). 2006. *Roadway Construction Noise Model User's Guide.* January. Washington, D.C. Website: https://www.fhwa.dot.gov/environment/noise/construction_noise/rcnm/rcnm.pdf (accessed November 2022).

Federal Transit Administration (FTA). 2018. *Transit Noise and Vibration Impact Assessment Manual*. Office of Planning and Environment. Report No. 0123. September.

Harris, Cyril M., editor. 1991. *Handbook of Acoustical Measurements and Noise Control*. Third Edition.

LSA Associates, Inc. (LSA). 2016. *Operational Noise Impact Analysis for Richmond Wholesale Meat Distribution Center*. May.

Trane. *Fan Performance - Product Specifications RT-PRC023AU-EN.*

United States Environmental Protection Agency (EPA). 1978. *Protective Noise Levels, Condensed Version of EPA Levels Document*, EPA 550/9-79-100. November.

APPENDIX A

NOISE MONITORING SHEETS

Noise Measurement Survey – 24 HR

Project Number: ESL2201.23
Project Name: Bon View

Test Personnel: Kevin Nguyendo
Equipment: Spark 706RC (SN:18905)

Site Number: LT-1 Date: 5/31/2022

Time: From 1:00 p.m. To 1:00 p.m.

Site Location: On an electrical powerline pole on the wide side of residential building, 1004 E California St, CA 91761. Not the one near the sidewalk.

Primary Noise Sources: Faint regular traffic noise on Mission Blvd. Intermittent traffic noise On California St. Birds chirping

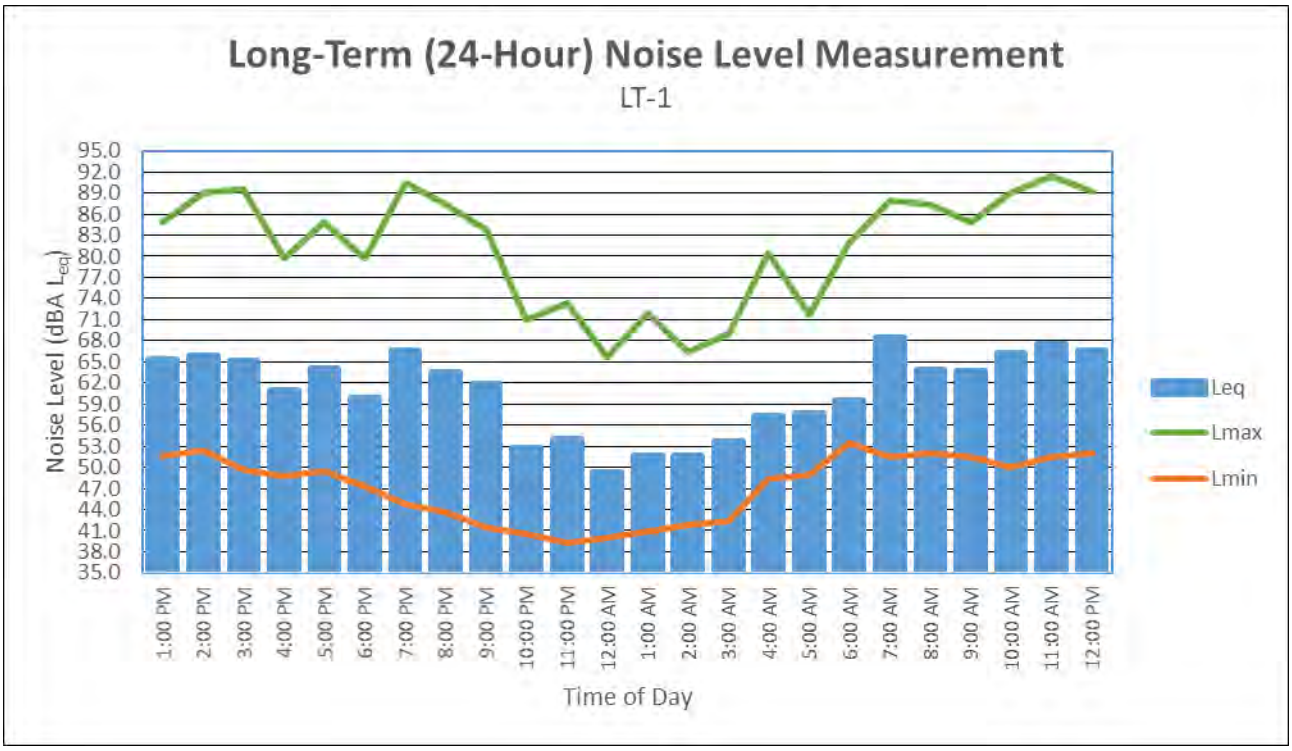
Comments:

Photo:

Long-Term (24-Hour) Noise Level Measurement Results at LT-1

Start Time	Date	Noise Level (dBA)		
		L_{eq}	L_{max}	L_{min}
1:00 PM	5/31/22	65.3	84.8	51.6
2:00 PM	5/31/22	65.9	89.1	52.3
3:00 PM	5/31/22	65.1	89.5	49.6
4:00 PM	5/31/22	60.9	79.7	48.8
5:00 PM	5/31/22	64.1	84.9	49.5
6:00 PM	5/31/22	59.9	79.7	47.3
7:00 PM	5/31/22	66.5	90.4	44.8
8:00 PM	5/31/22	63.4	87.4	43.6
9:00 PM	5/31/22	61.8	83.8	41.5
10:00 PM	5/31/22	52.8	71.0	40.6
11:00 PM	5/31/22	54.0	73.4	39.3
12:00 AM	6/1/22	49.3	65.7	40.0
1:00 AM	6/1/22	51.7	71.9	40.9
2:00 AM	6/1/22	51.7	66.4	41.9
3:00 AM	6/1/22	53.6	68.9	42.3
4:00 AM	6/1/22	57.4	80.5	48.3
5:00 AM	6/1/22	57.8	71.7	49.0
6:00 AM	6/1/22	59.5	81.9	53.5
7:00 AM	6/1/22	68.4	88.0	51.5
8:00 AM	6/1/22	63.9	87.4	52.0
9:00 AM	6/1/22	63.7	84.8	51.4
10:00 AM	6/1/22	66.3	89.1	50.0
11:00 AM	6/1/22	67.5	91.3	51.4
12:00 PM	6/1/22	66.6	89.2	52.0

Source: Compiled by LSA Associates, Inc. (2022).
dBA = A-weighted decibel
L_{eq} = equivalent continuous sound level
L_{max} = maximum instantaneous noise level
L_{min} = minimum measured sound level


Long-Term (24-Hour) Noise Level Measurement
LT-1
Noise Level (dBA Leq)
95.0
92.0
89.0
86.0
83.0
80.0
77.0
74.0
71.0
68.0
65.0
62.0
59.0
56.0
53.0
50.0
47.0
44.0
41.0
38.0
35.0
1:00 PM
2:00 PM
3:00 PM
4:00 PM
5:00 PM
6:00 PM
7:00 PM
8:00 PM
9:00 PM
10:00 PM
11:00 PM
12:00 AM
1:00 AM
2:00 AM
3:00 AM
4:00 AM
5:00 AM
6:00 AM
7:00 AM
8:00 AM
9:00 AM
10:00 AM
11:00 AM
12:00 PM
Time of Day
Leq
Lmax
Lmin

Noise Measurement Survey – 24 HR

Project Number: ESL2201.23
Project Name: Bon View

Test Personnel: Kevin Nguyendo
Equipment: Spark 706RC (SN:18906)

Site Number: LT-2 Date: 5/31/22

Time: From 1:00 p.m. To 1:00 p.m.

Site Location: Located on the property 627 S Bon View Ave, Ontario, CA 91761, just West of the property line near Bon View Ave. Near the awning of the truck loading area.

Primary Noise Sources: Regular traffic noise on Bon View Ave. Industrial sawing noise Coming from across the street, just west of Bon View Ave. Faint bird chirping.

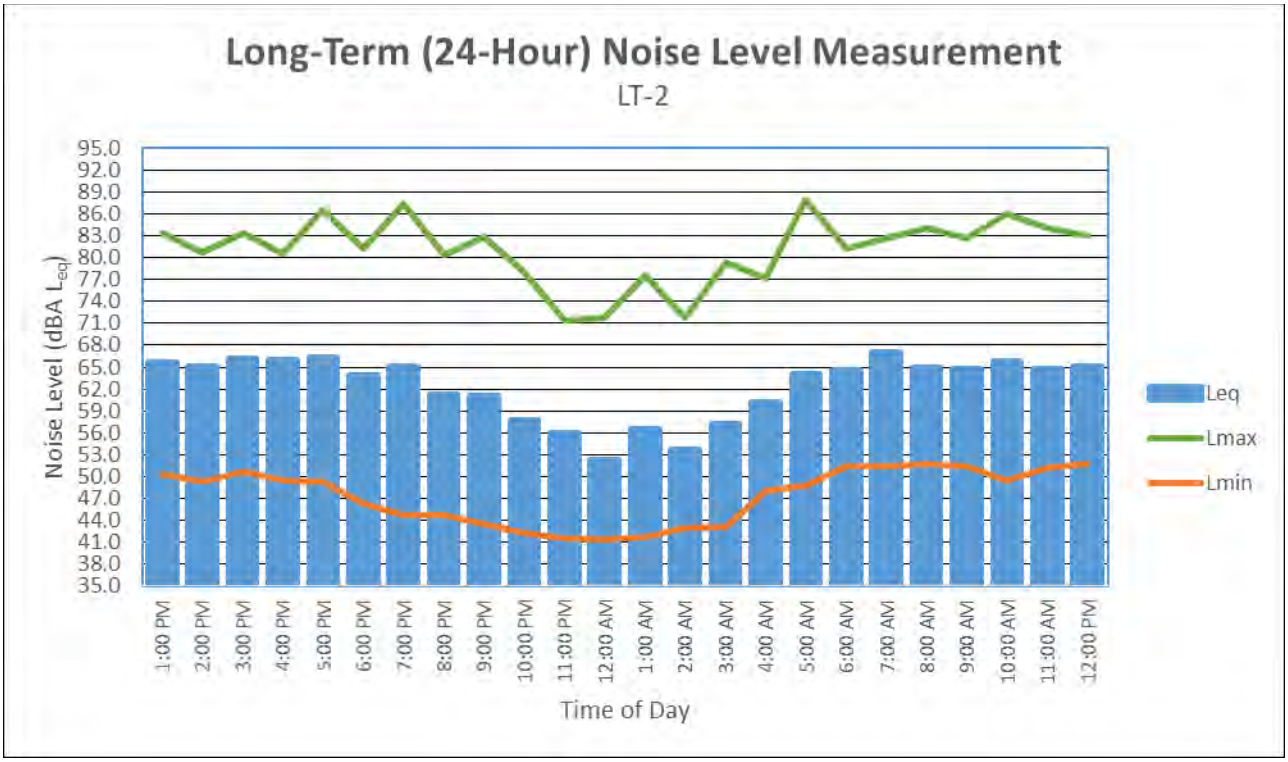
Comments:

Photo:

Long-Term (24-Hour) Noise Level Measurement Results at LT-2

Start Time	Date	Noise Level (dBA)		
		L_{eq}	L_{max}	L_{min}
1:00 PM	5/31/22	65.6	83.4	50.3
2:00 PM	5/31/22	65.1	80.7	49.2
3:00 PM	5/31/22	66.1	83.4	50.7
4:00 PM	5/31/22	65.9	80.5	49.5
5:00 PM	5/31/22	66.4	86.5	49.2
6:00 PM	5/31/22	63.9	81.3	46.3
7:00 PM	5/31/22	65.1	87.4	44.7
8:00 PM	5/31/22	61.2	80.3	44.7
9:00 PM	5/31/22	61.1	82.9	43.4
10:00 PM	5/31/22	57.7	78.1	42.3
11:00 PM	5/31/22	55.9	71.5	41.5
12:00 AM	6/1/22	52.3	71.8	41.3
1:00 AM	6/1/22	56.5	77.6	41.7
2:00 AM	6/1/22	53.7	71.8	43.0
3:00 AM	6/1/22	57.2	79.3	43.2
4:00 AM	6/1/22	60.1	77.3	48.0
5:00 AM	6/1/22	64.0	87.9	48.8
6:00 AM	6/1/22	64.5	81.2	51.4
7:00 AM	6/1/22	67.1	82.6	51.3
8:00 AM	6/1/22	64.9	84.1	51.8
9:00 AM	6/1/22	64.8	82.7	51.4
10:00 AM	6/1/22	65.7	86.0	49.5
11:00 AM	6/1/22	64.8	84.1	51.2
12:00 PM	6/1/22	65.1	83.1	51.8

Source: Compiled by LSA Associates, Inc. (2022).
dBA = A-weighted decibel
L_{eq} = equivalent continuous sound level
L_{max} = maximum instantaneous noise level
L_{min} = minimum measured sound level


Long-Term (24-Hour) Noise Level Measurement
LT-2
Noise Level (dBA Leq)
95.0
92.0
89.0
86.0
83.0
80.0
77.0
74.0
71.0
68.0
65.0
62.0
59.0
56.0
53.0
50.0
47.0
44.0
41.0
38.0
35.0
1:00 PM
2:00 PM
3:00 PM
4:00 PM
5:00 PM
6:00 PM
7:00 PM
8:00 PM
9:00 PM
10:00 PM
11:00 PM
12:00 AM
1:00 AM
2:00 AM
3:00 AM
4:00 AM
5:00 AM
6:00 AM
7:00 AM
8:00 AM
9:00 AM
10:00 AM
11:00 AM
12:00 PM
Time of Day
Leq
Lmax
Lmin

APPENDIX B

CONSTRUCTION NOISE LEVEL CALCULATIONS

Construction Calculations

Phase: Demolition

Equipment	Quantity	Reference (dBA) 50 ft Lmax	Usage Factor[1]	Distance to Receptor (ft)	Ground Effects	Noise Level (dBA) Lmax	Noise Level (dBA) Leq
Concrete Saw	1	90	20	50	0.5	90	83
Excavator	3	81	40	50	0.5	81	82
Dozer	2	82	40	50	0.5	82	81
					Combined at 50 feet	**91**	**87**

Phase: Site Preparation

Equipment	Quantity	Reference (dBA) 50 ft Lmax	Usage Factor[1]	Distance to Receptor (ft)	Ground Effects	Noise Level (dBA) Lmax	Noise Level (dBA) Leq
Dozer	3	82	40	50	0.5	82	83
Tractor	4	84	40	50	0.5	84	86
					Combined at 50 feet	**86**	**88**

Phase: Grading

Equipment	Quantity	Reference (dBA) 50 ft Lmax	Usage Factor[1]	Distance to Receptor (ft)	Ground Effects	Noise Level (dBA) Lmax	Noise Level (dBA) Leq
Excavator	2	81	40	50	0.5	81	80
Grader	1	85	40	50	0.5	85	81
Dozer	1	82	40	50	0.5	82	78
Scraper	2	84	40	50	0.5	84	83
Tractor	2	84	40	50	0.5	84	83
					Combined at 50 feet	**90**	**88**
					Combined at Receptor 145 feet	**81**	**79**
					Combined at Receptor 295 feet	**75**	**73**
					Combined at Receptor 465 feet	**71**	**69**
					Combined at Receptor 475 feet	**71**	**69**

Phase:Building Construstion

Equipment	Quantity	Reference (dBA) 50 ft Lmax	Usage Factor[1]	Distance to Receptor (ft)	Ground Effects	Noise Level (dBA) Lmax	Noise Level (dBA) Leq
Crane	1	81	16	50	0.5	81	73
Man Lift	3	75	20	50	0.5	75	73
Generator	1	81	50	50	0.5	81	78
Tractor	3	84	40	50	0.5	84	85
Welder / Torch	1	74	40	50	0.5	74	70
					Combined at 50 feet	**82**	**76**

Phase:Paving

Equipment	Quantity	Reference (dBA) 50 ft Lmax	Usage Factor[1]	Distance to Receptor (ft)	Ground Effects	Noise Level (dBA) Lmax	Noise Level (dBA) Leq
Paver	2	77	50	50	0.5	77	77
All Other Equipment > 5 HP	2	85	50	50	0.5	85	85
Roller	2	80	20	50	0.5	80	76
					Combined at 50 feet	**87**	**86**

Phase:Architectural Coating

Equipment	Quantity	Reference (dBA) 50 ft Lmax	Usage Factor[1]	Distance to Receptor (ft)	Ground Effects	Noise Level (dBA) Lmax	Noise Level (dBA) Leq
Compressor (air)	1	78	40	50	0.5	78	74
					Combined at 50 feet	**78**	**74**

Sources: RCNM

[1]- Percentage of time that a piece of equipment is operating at full power.
dBA – A-weighted Decibels
Lmax- Maximum Level
Leq- Equivalent Level

APPENDIX C

FHWA TRAFFIC NOISE MODEL PRINTOUTS

TABLE Existing -01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/28/2022
ROADWAY SEGMENT: Bon View Avenue between Ontario Boulevard and Mission Boulevard
NOTES: 627 Bon View Warehouse Project - Existing

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 7200 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES			
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 20 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.96

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	107.6	228.5

TABLE Existing -02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/28/2022
ROADWAY SEGMENT: Ontario Boulevard East of Bon View Avenue
NOTES: 627 Bon View Warehouse Project - Existing

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 440 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 14 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 51.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL	70 CNEL	65 CNEL	60 CNEL	55 CNEL
	0.0	0.0	0.0	0.0

TABLE Existing -03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/28/2022
ROADWAY SEGMENT: Mission Boulevard between Bon View Avenue and Grove Avenue
NOTES: 627 Bon View Warehouse Project - Existing

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23000 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 55 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 67.38

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
81.3	140.2	283.1	600.7

TABLE Existing -04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/28/2022
ROADWAY SEGMENT: Grove Avenue North of Mission Boulevard
NOTES: 627 Bon View Warehouse Project - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 32660 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 40 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.59

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL

70 CNEL	65 CNEL	60 CNEL	55 CNEL
85.6	167.9	353.5	757.6

TABLE Existing With Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/28/2022
ROADWAY SEGMENT: Bon View Avenue between Ontario Boulevard and Mission Boulevard
NOTES: 627 Bon View Warehouse Project - Existing With Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 8050 SPEED (MPH): 40 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES		
	DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 20 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	56.5	115.6	246.0

TABLE Existing With Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/28/2022
ROADWAY SEGMENT: Ontario Boulevard East of Bon View Avenue
NOTES: 627 Bon View Warehouse Project - Existing With Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 500 SPEED (MPH): 40 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
AUTOS		
75.51	12.57	9.34
M-TRUCKS		
1.56	0.09	0.19
H-TRUCKS		
0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 14 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 51.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
0.0	0.0	0.0	0.0

TABLE Existing With Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/28/2022
ROADWAY SEGMENT: Mission Boulevard between Bon View Avenue and Grove Avenue
NOTES: 627 Bon View Warehouse Project - Existing With Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 26540 SPEED (MPH): 45 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES		
DAY	EVENING	NIGHT
AUTOS		
75.51	12.57	9.34
M-TRUCKS		
1.56	0.09	0.19
H-TRUCKS		
0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 55 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 68.01

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL			
70 CNEL	65 CNEL	60 CNEL	55 CNEL
85.8	152.1	310.4	660.3

TABLE Existing With Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/28/2022
ROADWAY SEGMENT: Grove Avenue North of Mission Boulevard
NOTES: 627 Bon View Warehouse Project - Existing With Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 34700 SPEED (MPH): 45 GRADE: .5

	TRAFFIC DISTRIBUTION PERCENTAGES DAY	EVENING	NIGHT
AUTOS	75.51	12.57	9.34
M-TRUCKS	1.56	0.09	0.19
H-TRUCKS	0.64	0.02	0.08

ACTIVE HALF-WIDTH (FT): 40 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

CNEL AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 69.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO CNEL 70 CNEL	65 CNEL	60 CNEL	55 CNEL
88.4	174.4	367.9	788.7

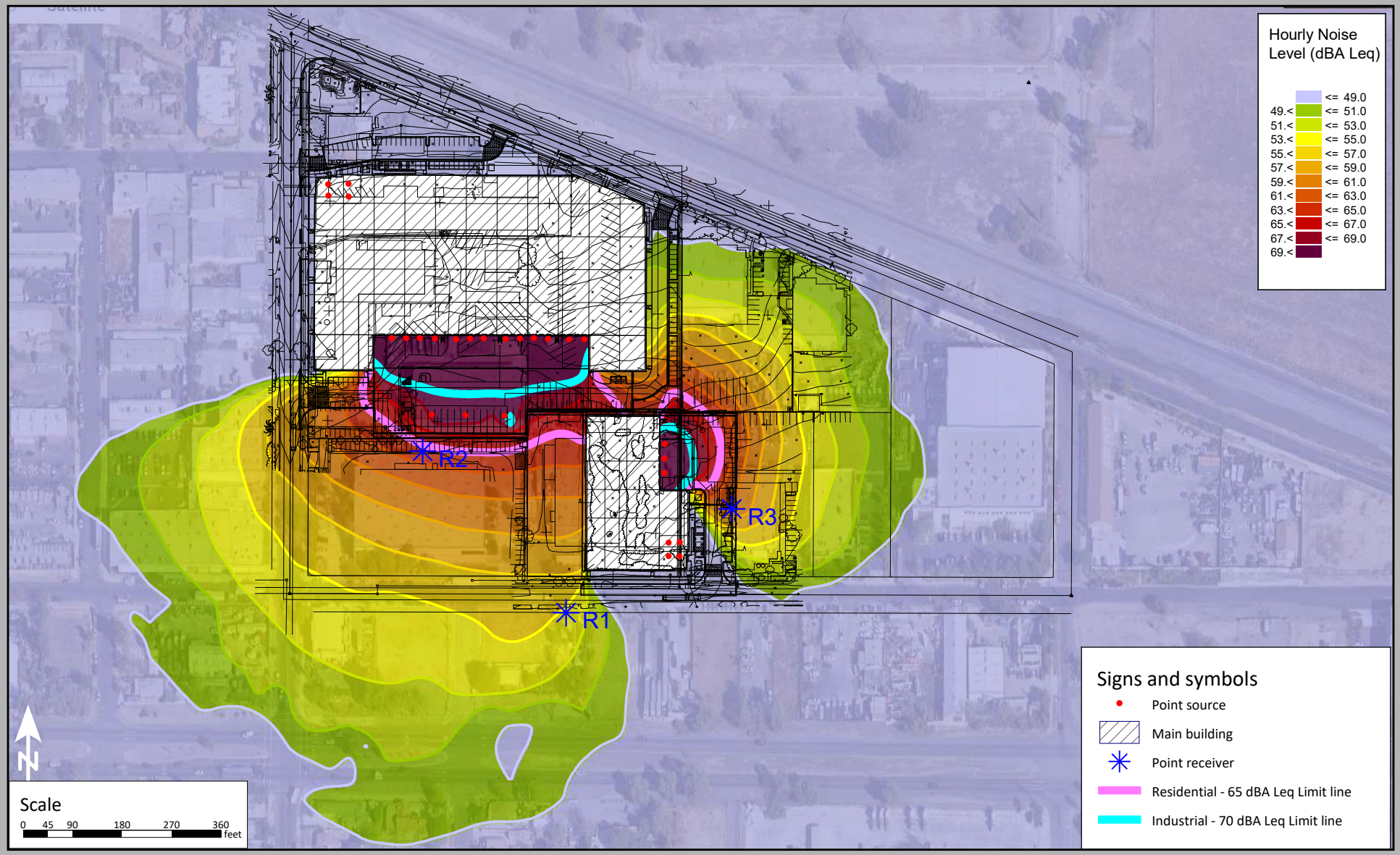
APPENDIX D

SOUNDPLAN NOISE MODEL PRINTOUTS

ESL2201.23 - 627 Bon View

Project No. ESL2201.23

Project Operational Noise Levels



C:\SoundPlan\627 Bon View Warehouse\Sheet1.sgs - last edit 10/28/2022

MEMORANDUM

URBAN CROSSROADS

DATE: December 19, 2022
TO: Russell Fenton, 627 Bon View, LLC
FROM: Alex So, Urban Crossroads, Inc.
JOB NO: 15232-03 VMT

ONTARIO BON VIEW VEHICLE MILES TRAVELED (VMT) SCREENING EVALUATION

Urban Crossroads, Inc. is pleased to provide the following Vehicle Miles Traveled (VMT) Screening Evaluation for the Ontario Bon View (**Project**), which is located at 627 Bon View Avenue in the City of Ontario.

PROJECT OVERVIEW

The site is currently occupied by an RV and Boat Storage facility that includes six existing structures totaling 77,696 square feet. The proposed Project consists of demolishing the existing structures and redeveloping the site to include two warehouse buildings totaling 238,458 square feet. A preliminary site plan for the proposed Project is shown in Attachment A.

BACKGROUND

Changes to California Environmental Quality Act (CEQA) Guidelines were adopted in December 2018, which require all lead agencies to adopt VMT as a replacement for automobile delay-based level of service (LOS) as the measure for identifying transportation impacts for land use projects. This statewide mandate went into effect July 1, 2020, consistent with Senate Bill 743 (SB 743). To comply with SB 743, the City of Ontario in June 2020 adopted their own VMT methodologies and thresholds (Resolution No. 2020-071) (**City Guidelines**) (1). This VMT analysis has been prepared based on the adopted City Guidelines.

VMT SCREENING

City Guidelines state that a project may be determined to have a less than significant VMT impact and screened out of requiring a project level VMT analysis if it meets at least one of the City's VMT screening criteria. To aid in the screening process, and consistent with thresholds identified in the City Guidelines, the San Bernardino County Transportation Authority (SBCTA) VMT Screening Tool

(**Screening Tool**) was used. The City's adopted VMT screening criteria are listed below and were examined for the Project:

- Transit Priority Area (TPA) Screening
- Low VMT Area
- Low Trip Generating Uses
- Project Type Screening

A land use project need only to meet one of the above screening criteria to be screened from further VMT analysis.

TPA SCREENING

City Guidelines states projects located within a Transit Priority Area (TPA) (i.e., within ½ mile of an existing "major transit stop"[1] or an existing stop along a "high-quality transit corridor"[2]) may be presumed to have a less than significant impact absent substantial evidence to the contrary. However, the presumption may not be appropriate if a project:

- Has a Floor Area Ratio (FAR) of less than 0.75;
- Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking);
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization); or
- Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

The Project site is located within a TPA; however, it has a FAR of less than 0.75 and therefore the does not meet the secondary screening criteria (See Attachment B).

TPA screening criteria is not met.

LOW VMT AREA SCREENING

City Guidelines states that projects located in an already low VMT generating traffic analysis zone (TAZ) may be presumed to have a less than significant VMT impact. TAZs that generate a VMT per service population (SP) that is 15% below the County of San Bernardino Baseline VMT per SP are considered low VMT. The Screening Tool uses the sub-regional San Bernardino Transportation Analysis Model (SBTAM) to measure VMT performance in individual TAZs within the region. The Project's physical location is selected in the Screening Tool to determine the TAZ in which the Project resides. The parcels containing the proposed Project were selected and the Screening Tool was run for Origin-Destination (OD) VMT per service population. The Project is in TAZ

[1] Pub. Resources Code, § 21064.3 ("'Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.").
[2] Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").

53649401 and was found to have a VMT per service population of 78.2 that was compared to 15% below County of San Bernardino Baseline or 33.3 VMT per SP. Accordingly, the Project is not located within a low VMT generating zone (See Attachment B).

Low VMT Area screening criteria is not met

LOW TRIP GENERATING USES SCREENING

City Guidelines states that land use projects generating 110 or fewer daily vehicle trips are assumed to cause a less than significant impact on VMT.

EXISTING TRAFFIC

The site is currently occupied by an RV and Boat Storage facility that includes six existing structures totaling 77,696 square feet. In an effort to understand the existing traffic associated with the current use, traffic counts were collected at the driveways. However, traffic counts indicate the existing use is underutilized (nominal trip generation).

In order to develop the trips associated with the historical baseline, the General Plan land use designation as well as a review of the currently allowable uses was reviewed. This would be a list of uses that would be permitted to occupy the existing 77,696 square feet of warehousing and office structures without any further environmental review or discretionary action. The Project site has a General Plan land use designation of Industrial and is zoned General Industrial (IG). The Industrial land use designation allows for the following types of uses: light industrial uses, including warehousing/distribution, assembly, light manufacturing, research and development, storage, repair facilities, and supporting retail and professional office uses developed at a maximum floor-to-area (FAR) ratio of 0.55. The IG zone is intended to allow for a wide range of manufacturing and assembly activities, storage and warehousing activities, and other similar uses developed at a maximum FAR of 0.55.

The traffic characteristics of the allowable existing uses were calculated using the trip-generation statistics published in the Institute of Transportation Engineers (ITE) Trip Generation Manual (11th Edition, 2021) (2). Specifically, the trip generation for the existing structures was calculated based on 15% or 11,654 square feet of the overall square footage as research and development (ITE Land Use Code 760) and 85% or 66,042 square feet of the remaining square footage assuming general light industrial (ITE Land Use Code 110). Trip generation rates are summarized on Table 1.

TABLE 1: TRIP GENERATION RATES

Land Use[1]	Units[2]	ITE LU Code	AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total	Daily
Actual Vehicle Trip Generation Rates									
General Light Industrial[3]	TSF	110	0.651	0.089	0.740	0.091	0.559	0.650	4.870
Passenger Cars (AM=98.6%, PM=98.5%, Daily=94.9%)			0.645	0.085	0.730	0.086	0.554	0.640	4.620
2-Axle Trucks (AM=0.23%, PM=0.25%, Daily=0.85%)			0.001	0.001	0.002	0.001	0.001	0.002	0.042
3-Axle Trucks (AM=0.29%, PM=0.31%, Daily=1.05%)			0.001	0.001	0.002	0.001	0.001	0.002	0.052
4+-Axle Trucks (AM=0.88%, PM=0.94%, Daily=3.20%)			0.004	0.002	0.006	0.003	0.003	0.006	0.157
Warehousing[3]	TSF	150	0.131	0.039	0.170	0.050	0.130	0.180	1.710
Passenger Cars (AM-88.2%, PM-83.3%, Daily-64.9%)			0.120	0.030	0.150	0.034	0.116	0.150	1.110
2-Axle Trucks (AM-1.97%, PM-2.79%, Daily-5.86%)			0.002	0.001	0.003	0.003	0.002	0.005	0.100
3-Axle Trucks (AM-2.44%, PM-3.46%, Daily-7.27%)			0.002	0.002	0.004	0.003	0.003	0.006	0.124
4+-Axle Trucks (AM-7.39%, PM-10.45%, Daily-21.97%)			0.007	0.006	0.013	0.010	0.009	0.019	0.376
Research & Development	TSF	760	0.84	0.19	1.03	0.16	0.82	0.98	11.08

[1] Trip Generation & Vehicle Mix Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, Eleventh Edition (2021).

[2] TSF = thousand square feet

[3] Truck Mix: South Coast Air Quality Management District's (SCAQMD) recommended truck mix, by axle type.
Normalized % - Without Cold Storage: 16.7% 2-Axle trucks, 20.7% 3-Axle trucks, 62.6% 4-Axle trucks.

Table 2 summarizes the trip generation for the existing use. The existing or historical baseline currently generates 454 trips per day.

TABLE 2: EXISTING TRIP GENERATION SUMMARY

Land Use[1]	Units[2]	ITE LU Code	Peak Hour In	Peak Hour Out	Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total	Daily
Actual Vehicles:									
General Light Industrial	66.042	TSF							
Passenger Cars:			43	6	49	6	37	43	306
2-axle Trucks:			0	0	0	0	0	0	4
3-axle Trucks:			0	0	0	0	0	0	4
4+-axle Trucks:			0	0	0	0	0	0	10
Total Truck Trips (Actual Vehicles):			0	0	0	0	0	0	18
GLI Total Trips (Actual Vehicles)[2]			43	6	49	6	37	43	324
Research & Development	11.654	TSF	10	2	12	2	10	12	130
Total Trips (Actual Vehicles)[2]			**53**	**8**	**61**	**8**	**47**	**55**	**454**

[1] TSF = thousand square feet

[2] Total Trips = Passenger Cars + Truck Trips.

PROPOSED PROJECT

The existing structures would be demolished, and the site would be redeveloped with two warehouse buildings totaling 238,458 square feet as part of the proposed Project. For the purposes of the trip generation assessment, the proposed Project was evaluated assuming 192,368 square feet of warehousing use and 46,090 square feet of general light industrial land use. In order to develop the traffic characteristics of the proposed Project, trip-generation statistics published in the ITE Trip Generation Manual (11th Edition, 2021) based on the General Light Industrial (ITE Land Use Code 110) and Warehousing (ITE Land Use Code 150) land uses (see Table 1).

The trip generation summary for the proposed Project is shown on Table 3. As shown in Table 3, the proposed Project is anticipated to generate 554 vehicle trips per day.

TABLE 3: PROJECT TRIP GENERATION SUMMARY

			AM Peak Hour			PM Peak Hour			
Land Use	Quantity	Units[1]	In	Out	Total	In	Out	Total	Daily
Actual Vehicles:									
General Light Industrial	46.090	TSF							
Passenger Cars:			30	4	34	4	26	30	212
2-axle Trucks:			0	0	0	0	0	0	2
3-axle Trucks:			0	0	0	0	0	0	2
4+-axle Trucks:			0	0	0	0	0	0	8
Total Truck Trips (Actual Vehicles):			0	0	0	0	0	0	12
Total Trips (Actual Vehicles)[2]			30	4	34	4	26	30	224
Warehousing	192.368	TSF							
Passenger Cars:			23	6	29	7	22	29	214
2-axle Trucks:			0	0	0	1	0	1	20
3-axle Trucks:			0	0	0	1	1	2	24
4+-axle Trucks:			1	1	2	2	2	4	72
Total Truck Trips (Actual Vehicles):			1	1	2	4	3	7	116
Total Trips (Actual Vehicles)[2]			24	7	31	11	25	36	330
Passenger Cars			53	10	63	11	48	59	426
Trucks			1	1	2	4	3	7	128
Total Trips (Actual Vehicles)[2]			**54**	**11**	**65**	**15**	**51**	**66**	**554**

[1] TSF = thousand square feet
[2] Total Trips = Passenger Cars + Truck Trips.

TRIP GENERATION COMPARISON

Table 4 shows the trip generation comparison between the historical baseline and proposed Project and identifies the resulting net change in vehicle trips.

TABLE 4: TRIP GENERATION COMPARISON

	AM Peak Hour			PM Peak Hour			
	In	Out	Total	In	Out	Total	Daily
Historical Baseline	53	8	61	8	47	55	454
Proposed Project	54	11	65	15	51	66	554
Variance	**1**	**3**	**4**	**7**	**4**	**11**	**100**

As shown, the proposed Project is anticipated to generate 100 net new trips per day and therefore generates fewer than 110 additional vehicle trips per day.

Low Trip Generating Uses screening criteria is met.

PROJECT TYPE SCREENING

The City Guidelines identifies local serving retail with buildings less than 50,000 square feet or other local serving essential services (e.g., day care centers, public schools, medical/dental office buildings, etc.) as having a less than significant VMT impact absent substantial evidence to the contrary. The proposed Project does not intend to develop any local serving retail or essential services land uses.

Project Type screening criteria is not met.

CONCLUSION

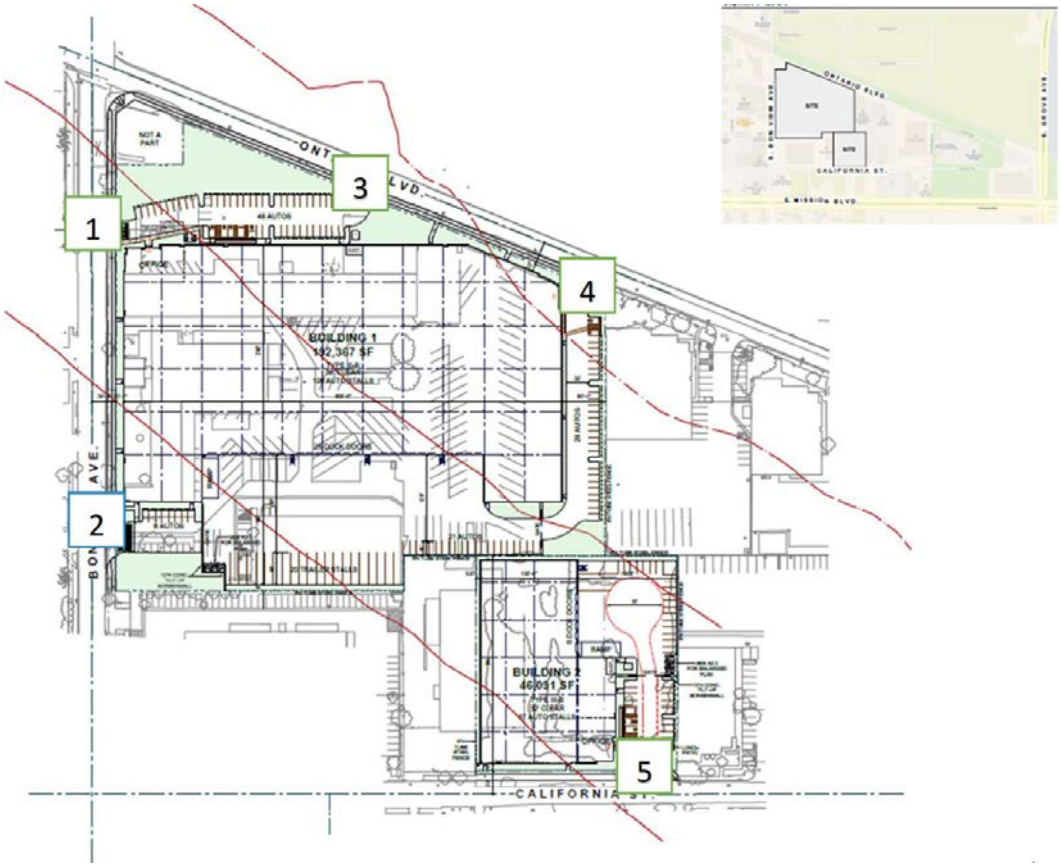
In summary, the Project was evaluated consistent with the available screening criteria. The Project was found to meet the Low Trip Generating Uses screening criteria and therefore presumed to have a less than significant impact for VMT. No further VMT analysis required.

If you have any questions, please contact me directly at aso@urbanxroads.com.

REFERENCES

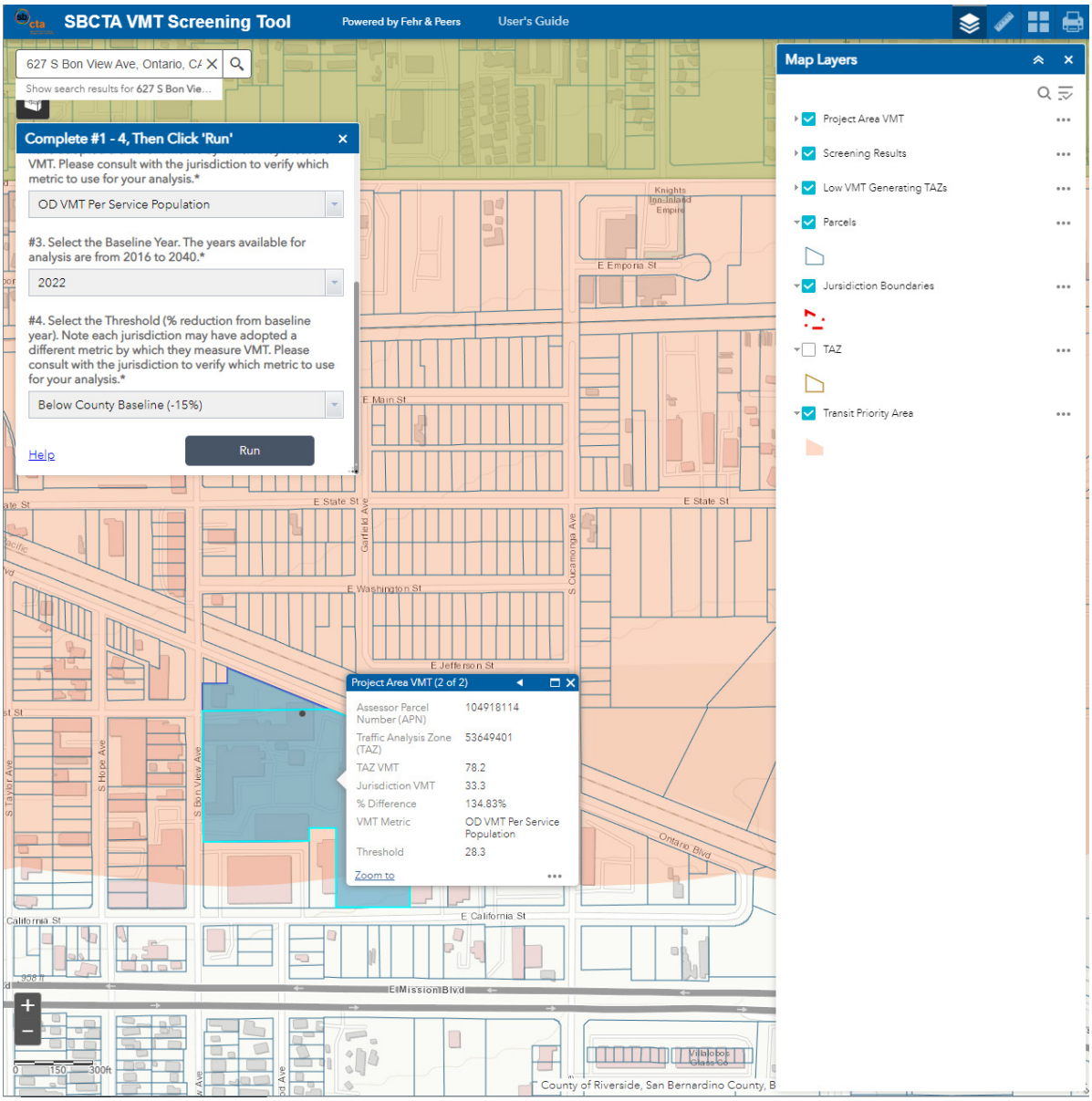
1. **City of Ontario.** *SB 743 VMT Thresholds.* City of Ontario : s.n., June 2020.
2. **Institute of Transportation Engineers.** *Trip Generation Manual.* 11th Edition. 2021.

ATTACHMENT A
PRELIMINARY SITE PLAN


1
2
3
4
5
BUILDING 1
192,367 SF
BUILDING 2
46,051 SF
CALIFORNIA ST.
BONNIE AVE.

ATTACHMENT B

TPA/LOW VMT SCREENING TOOL


SBCTA VMT Screening Tool
Powered by Fehr & Peers
User's Guide
627 S Bon View Ave, Ontario, CA
Show search results for 627 S Bon Vie...
Complete #1 - 4, Then Click 'Run'
VMT. Please consult with the jurisdiction to verify which metric to use for your analysis.*
OD VMT Per Service Population
#3. Select the Baseline Year. The years available for analysis are from 2016 to 2040.*
2022
#4. Select the Threshold (% reduction from baseline year). Note each jurisdiction may have adopted a different metric by which they measure VMT. Please consult with the jurisdiction to verify which metric to use for your analysis.*
Below County Baseline (-15%)
Help
Run
Map Layers
Project Area VMT
Screening Results
Low VMT Generating TAZs
Parcels
Jursidiction Boundaries
TAZ
Transit Priority Area
Project Area VMT (2 of 2)
Assessor Parcel Number (APN) 104918114
Traffic Analysis Zone (TAZ) 53649401
TAZ VMT 78.2
Jurisdiction VMT 33.3
% Difference 134.83%
VMT Metric OD VMT Per Service Population
Threshold 28.3
Zoom to
E Emporia St
E Main St
E State St
E Washington St
E Jefferson St
E California St
E Mission Blvd
Ontario Blvd
S Bon View Ave
S Hope Ave
S Taylor Ave
Garfield Ave
S Cucamonga Ave
County of Riverside, San Bernardino County, B

Mitigation Monitoring and Reporting Program

Introduction

The California Environmental Quality Act (CEQA) requires a lead or public agency that approves or carries out a project for which a Mitigated Negative Declaration has been adopted which identifies one or more significant adverse environmental effects and where findings with respect to changes or alterations in the project have been made, to adopt a "…reporting or monitoring program for the changes to the project which it has adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment" (CEQA, Public Resources Code Sections 21081, 21081.6).

The Ontario Plan (TOP) 2050 Final Supplemental Environmental Impact Report (SEIR) certified by the City of Ontario (City) in August 2022 serves as the environmental review for the proposed 627 Bon View Avenue Warehouse Project. A Mitigation Monitoring and Reporting Program (MMRP) is required to ensure that adopted mitigation measures are successfully implemented for the 627 Bon View Avenue Warehouse Project (Project). The City of Ontario is the Lead Agency for the Project and is responsible for implementation of the MMRP. This report describes the MMRP for the Project and identifies the parties that will be responsible for monitoring implementation of the individual mitigation measures in the MMRP.

Mitigation Monitoring and Reporting Program

The MMRP for the Project will be active through all phases of the Project, including design, construction, and operation. The attached Table 1 identifies the mitigation program required to be implemented by the City for the 627 Bon View Avenue Warehouse Project. Table 1 identifies Mitigation Measures from TOP 2050 SEIR required by the City to mitigate or avoid significant adverse impacts associated with the implementation of the Project, the timing of implementation, and the responsible party or parties for monitoring compliance. Table 2 identifies the Regulatory Requirements (RRs) that are applied to all projects on the basis of local, state, and federal law. Table 2 also identifies Project Design Features (PDFs) that are specific to the Project and incorporated for the purpose of reducing potentially significant impacts.

The MMRP also includes a column that will be used by the compliance monitor (individual responsible for monitoring compliance) to document when implementation of the measure is completed. As individual Plan, Program, Policies; and mitigation measures are completed, the compliance monitor will sign and date the MMRP, indicating that the required actions have been completed.

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Table 1: Mitigation Monitoring and Reporting Program
627 Bon View Avenue Warehouse Project

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
AIR QUALITY			
Mitigation Measure 3-1: Prior to discretionary approval by the City of Ontario for development projects subject to CEQA (California Environmental Quality Act) review (i.e., nonexempt projects), project applicants shall prepare and submit a technical assessment evaluating potential project construction-related air quality impacts to the City of Ontario Planning Department for review and approval. The evaluation shall be prepared in conformance with South Coast Air Quality Management District (South Coast AQMD) methodology for assessing air quality impacts. If construction-related criteria air pollutants are determined to have the potential to exceed the South Coast AQMD–adopted thresholds of significance, City of Ontario Building Department shall require feasible mitigation measures to reduce air quality emissions. Potential measures shall be incorporated as conditions of approval for a project and may include: • Require fugitive dust control measures that exceed South Coast Air Quality Management District's Rule 403, such as: o Requiring use of nontoxic soil stabilizers to reduce wind erosion. o Applying water every four hours to active soil disturbing activities. o Tarping and/or maintaining a minimum of 24 inches of freeboard on trucks hauling dirt, sand, soil, or other loose materials. • Using construction equipment rated by the United States Environmental Protection Agency as having Tier 4 interim or higher exhaust emission limits. • Ensuring construction equipment is properly serviced and maintained to the manufacturer's standards. • Limiting nonessential idling of construction equipment to no more than five consecutive minutes.	In Construction Plans and Specifications. Prior to the issuance of Building Permits.	City of Ontario Planning Department	

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
• Using Super-Compliant VOC paints for coating of architectural surfaces whenever possible. A list of Super-Compliant architectural coating manufactures can be found on the South Coast Air Quality Management District's website at: http://www.aqmd.gov/prdas/brochures/Super-Compliant_AIM.pdf. These identified measures shall be incorporated into all appropriate construction documents (e.g., construction management plans) submitted to the City and shall be verified by the City's Planning Department.			
Mitigation Measure 3-2: The City of Ontario shall evaluate new development proposals within the City and require all developments to include access or linkages to alternative modes of transportation, such as transit stops, bike paths, and/or pedestrian paths (e.g. sidewalks).	Prior to discretionary approval by the City.	City of Ontario Planning Department	
Mitigation Measure AQ 1: Prior to discretionary approval by the City of Ontario for development projects subject to CEQA (California Environmental Quality Act) review (i.e., nonexempt projects), project applicants shall prepare and submit a technical assessment evaluating potential project operation-phase-related air quality impacts to the City of Ontario Planning Department for review and approval. The evaluation shall be prepared in conformance with South Coast Air Quality Management District (South Coast AQMD) methodology in assessing air quality impacts. If operation-related air pollutants are determined to have the potential to exceed the South Coast AQMD–adopted thresholds of significance, the City of Ontario Planning Department shall require that applicants for new development projects incorporate mitigation measures to reduce air pollutant emissions during operational activities. The identified measures shall be included as part of the conditions of approval. Possible mitigation measures to reduce long-term emissions could include, but are not limited to the following: • For site-specific development that requires refrigerated vehicles, the construction documents shall demonstrate an adequate number of electrical service connections at loading docks for plug-in of the anticipated number of refrigerated trailers to reduce idling time and emissions. • Applicants for manufacturing and light industrial uses shall consider energy storage and combined heat and power in	Prior to discretionary approval by the City.	City of Ontario Planning Department	

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
appropriate applications to optimize renewable energy generation systems and avoid peak energy use. • Site-specific developments with truck delivery and loading areas and truck parking spaces shall include signage as a reminder to limit idling of vehicles while parked for loading/unloading in accordance with California Air Resources Board Rule 2845 (13 CCR Chapter 10 sec. 2485). • Provide changing/shower facilities as specified in Section A5.106.4.3 of CALGreen (Nonresidential Voluntary Measures). • Provide bicycle parking facilities per Section A4.106.9 of CALGreen (Residential Voluntary Measures). • Provide preferential parking spaces for low-emitting, fuel-efficient, and carpool/van vehicles per Section A5.106.5.1 of CALGreen (Nonresidential Voluntary Measures). • Provide facilities to support electric charging stations per Section A5.106.5.3 and Section A5.106.8.2 of CALGreen (Nonresidential Voluntary Measures; Residential Voluntary Measures). • Applicant-provided appliances shall be Energy Star–certified appliances or appliances of equivalent energy efficiency (e.g., dishwashers, refrigerators, clothes washers, and dryers). Installation of Energy Star–certified or equivalent appliances shall be verified by the City during plan check			
CULTURAL AND PALEONTOLOGICAL RESOURCES			
Mitigation Measure 5-1: Historic or potentially historic resources in the City shall be evaluated for historic significance through the City's tier system prior to the issuance of plan or development approvals. Pursuant to City's Development Code (Chapter 4, Permits, Actions, and Decisions, and Chapter 7, Historic Preservation), mitigation measures for all Tier III Historic Resources shall include the following: a) Each historic resource shall be fully documented and cataloged pursuant to Historic American Building Survey/Historic American Engineering Record (HABS/HAER) standards, to provide a record of the resource, including, but not limited to: [i] the preparation of site plans, floor plans, exterior and interior elevations, and detail drawings	Prior to discretionary approval by the City.	City of Ontario Planning Department	

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
b) of character defining features (such as moldings, stairs, etc.); and [ii] photographs of the resource, including the exterior, interior, and interior and exterior character defining features (such as moldings, light fixtures, trim patterns, etc.). c) A mitigation fee established pursuant to Section 7.01.030 (Historic Preservation Mitigation Fee) shall be paid to the City prior to the issuance of a demolition permit for Tier III historic resources. Fees for Tier I and II historic resources shall be determined during the Environmental Impact Report process. The fees established for Tier III will be d) used as a reference point for establishing fees for Tier I and II historic resources. e) A Certificate of Appropriateness shall not be issued for the demolition of an historic resource, either in whole or in part, until such time that a demolition permit application and a replacement structure has been approved by the City, and appropriate permits have been issued for its construction, unless: [i] a waiver is granted pursuant to Subsection H (Replacement Structure Waiver for Historic Resources Located within Industrial Zoning Districts) of Section 4.02.050; [ii] a deferral of the replacement structure requirement is granted pursuant to Subsection G (Replacement Structure Deferral) of Section 4.02.050; or [iii] demolition is required pursuant to Section 7.01.050 (Unsafe or Dangerous Conditions) of this Development Code. d) In an effort to preserve features and artifacts from historic resources, a determination whether items within or on the resource should be salvaged must be made by the Planning Department and may include the local historical society prior to the issuance of the demolition permit. The applicant shall be responsible for the removal, relocation, storage, and donation of such items selected for salvaging. The applicant shall provide an inventory of salvaged items to the Planning Department, and shall include a list of each item name, description, and dimension (as necessary), and the location of each item on a floor plan.			
Mitigation Measure 5-2: In areas of documented or inferred from evident archaeological and/or paleontological resource presence, City staff shall require applicants for development permits to provide studies to document the presence/absence of such resources. On properties where resources are identified, such studies shall provide a detailed	In Construction Plans and Specifications. Prior to the issuance of Grading Permits. Ongoing during Construction Activities.	City of Ontario Community Development Department	

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
mitigation plan, including a monitoring program and recovery and/or in situ preservation plan, based on the recommendations of a qualified cultural preservation expert. The mitigation plan shall include the following requirements: a) Archaeologists and/or paleontologist shall be retained for the project and will be on call during grading and other significant ground-disturbing activities. b) Should any cultural resources be discovered, no further grading shall occur in the area of the discovery until the Planning Director or designee is satisfied that adequate provisions are in place to protect these resources. c) Unanticipated discoveries shall be evaluated for significance by a San Bernardino County Certified Professional Archaeologist/Paleontologist. If significance criteria are met, then the project shall be required to perform data recovery, professional identification, radiocarbon dates, and other special studies; submit materials to a museum for permanent curation; and provide a comprehensive final report including a catalog with museum numbers.			
GEOLOGY AND SOILS			
Mitigation Measure 5-2: In areas of documented or inferred archaeological and/or paleontological resource presence, City staff shall require applicants for development permits to provide studies to document the presence/absence of such resources. On properties where resources are identified, such studies shall provide a detailed mitigation plan, including a monitoring program and recovery and/or in situ preservation plan, based on the recommendations of a qualified cultural preservation expert. The mitigation plan shall include the following requirements: a. Archaeologists and/or paleontologist shall be retained for the project and will be on call during grading and other significant ground-disturbing activities. b. Should any cultural resources be discovered, no further grading shall occur in the area of the discovery until the Planning Director or designee is satisfied that	In Construction Plans and Specifications. Prior to the issuance of Grading Permit.	City of Ontario Community Development Department	

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
adequate provisions are in place to protect these resources. c. Unanticipated discoveries shall be evaluated for significance by a San Bernardino County Certified Professional Archaeologist/Paleontologist. If significance criteria are met, then the project shall be required to perform data recovery, professional identification, radiocarbon dates, and other special studies; submit materials to a museum for permanent curation; and provide a comprehensive final report including a catalog with museum numbers.			
NOISE			
PDF N-1: Construction Plans. Prior to issuance of grading permits, the Building Department shall ensure all construction plans include a note that the following construction equipment shall not be operated within 15 feet of existing structures: large bulldozers, dump trucks, and vibratory rollers.	In Construction Plans and Specifications. Prior to the issuance of Grading Permits.	City of Ontario Public Works Department	
Mitigation Measure 12-1: Prior to the issuance of building permits for any project that involves a noise-sensitive use within the 65 dBA CNEL contour of the Ontario International Airport, the project property owner/developers shall retain an acoustical engineer to conduct an acoustic analysis and identify, where appropriate, site design features and/or required building acoustical improvements (e.g., sound transmission class rated windows, doors, and attic baffling), to ensure compliance with the City's Noise Compatibility Criteria and the California State Building Code and California Noise Insulation Standards (Titles 24 and 21 of the California Code of Regulations).	Prior to discretionary approval by the City.	City of Ontario Planning Department	
Mitigation Measure 12-2 Prior to issuance of a building permit, individual projects that involve vibration-intensive construction activities, such as pile drivers, jack hammers, and vibratory rollers near sensitive receptors shall be evaluated for potential vibration impacts. For construction within 135 feet of fragile structures, such as historical resources, within 100 feet of nonengineered timber and masonry buildings (e.g., most residential buildings), or within 75 feet of engineered concrete and masonry (no plaster); or a vibratory roller within 25 feet of any structure, the project applicant shall prepare a noise and vibration analysis to assess and mitigate potential noise and vibration impacts related to these activities. This noise and vibration analysis shall be conducted by a qualified and experienced acoustical consultant or engineer. The vibration levels shall not exceed Federal	In Construction Plans and Specifications. Prior to the issuance of Building Permit.	City of Ontario Community Development Department	

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
Transit Administration (FTA) architectural damage thresholds (e.g., 0.12 inches per second [in/sec] peak particle velocity [PPV] for fragile or historical resources, 0.2 in/sec PPV for nonengineered timber and masonry buildings, and 0.3 in/sec PPV for engineered concrete and masonry). If vibration levels would exceed this threshold, alternative uses shall be used, such as drilling piles as opposed to pile driving and static rollers as opposed to vibratory rollers. If necessary, construction vibration monitoring shall be conducted to ensure vibration thresholds are not exceeded.			
Mitigation Measure 12-4: Construction activities associated with new development that occurs near sensitive receptors shall be evaluated for potential noise impacts. Construction contractors shall implement the following measures for construction activities in the City of Ontario. Construction plans submitted to the City shall identify these measures on demolition, grading, and construction plans. The City of Ontario Planning and Building Departments shall verify that grading, demolition, and/or construction plans submitted include these notations prior to issuance of demolition, grading, and/or building permits. • Construction activity is limited to the hours between 7:00 am and 6:00 pm Monday through Friday and 9:00 am to 6:00 pm Saturdays and Sundays, as prescribed in Municipal Code Section 5-29.09. • During the entire active construction period, equipment and trucks used for project construction shall use the best-available noise control techniques wherever feasible (e.g., improved mufflers, equipment re-design, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds). • Impact tools (e.g., jack hammers and hoe rams) shall be hydraulically or electrically powered wherever possible. Where the use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used along with external noise jackets on the tools. • Stationary equipment such as generators and air compressors shall be located as far as feasible from nearby noise-sensitive uses. • Stockpiling shall be located as far as feasible from nearby noise-sensitive receptors.	In Construction Plans and Specifications. Prior to the issuance of Building Permit.	City of Ontario Community Development Department	

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
• Construction traffic shall be limited, to the extent feasible, to approved haul routes established by the City's Engineering Department • At least 10 days prior to the start of construction activities, a sign shall be posted at the entrance(s) to the job site, clearly visible to the public, that includes permitted construction days and hours as well as the telephone numbers of the City's and contractor's authorized representatives that are assigned to respond in the event of a noise or vibration complaint. If the authorized contractor's representative receives a complaint, he/she shall investigate, take appropriate corrective action, and report the action to the City. • Signs shall be posted at the job site entrance(s), within the on-site construction zones, and along queueing lanes (if any) to reinforce the prohibition of unnecessary engine idling. All other equipment shall be turned off if not in use for more than 5 minutes. • During the entire active construction period and to the extent feasible, the use of noise producing signals, including horns, whistles, alarms, and bells, shall be for safety warning purposes only. The construction manager shall use smart back-up alarms, which automatically adjust the alarm level based on the background noise level or switch off back-up alarms and replace with human spotters in compliance with all safety requirements and laws. Erect temporary noise barriers (at least as high as the exhaust of equipment and breaking line-of-sight between noise sources and sensitive receptors), as necessary and feasible, to maintain construction noise levels at or below the performance standard of 80 dBA Leq. Barriers shall be constructed with a solid material that has a density of at least 1.5 pounds per square foot with no gaps from the ground to the top of the barrier and may be lined on the construction side with an acoustical blanket, curtain, or equivalent absorptive material.			
TRANSPORTATION			
Mitigation Measure T-1. Prior to approval of discretionary projects subject to VMT reduction analysis, applicants shall demonstrate compliance with the City's VMT Guidelines for CEQA assessment of VMT impacts. For projects with VMT per Service Population exceeding the	Prior to discretionary approval by the City.	City of Ontario Community Development Department	

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
County's significance threshold, a mitigation plan shall be developed and implemented. Mitigation should consist of Transportation Demand Management (TDM) measures analyzed under a VMT-reduction methodology consistent with the California Air Pollution Control Officers Association's (CAPCOA) Final Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity (2021) and approved by the City of Ontario (if applicable). Examples of measures include but are not limited to: • Pedestrian Network Improvements: constructing new sidewalks and/or improving damaged or substandard sidewalks that connect to a larger pedestrian network. • Construct or Improve Bike Facilities: constructing new or enhancing a single existing Class I, II or IV bike facility that connects to a larger bike network. • Construct or Improve Bike Boulevards: implementing a Class III bike boulevard on a local or collector street that is one travel lane in each direction, has a design speed of 25 mph or less and a design volume of 5,000 ADT or less. • Expand Bikeway Networks: constructing a network of interconnected new Class I, II, or IV bike facilities. • Provide End of Trip Bicycle Facilities: constructing facilities that support cyclists such as bike parking, lockers, and showers. • Implement Transit-Supportive Roadway Treatments: funding infrastructure improvements such as traffic signal modifications and roadway signing and striping that are dedicated to improving transit travel times and reliability. • Transit Passes: proving discounted or free transit fare to a specific geographic area, population group, or to the general public. • Vanpool Program: providing groups of 5 to 15 people with direct shuttle service between their workplace and residence. • Carshare Program (conventional or EV): providing access to a shared fleet of on-demand vehicles for short-term use/rental. Best practice is to discount carshare membership and provide			

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
priority parking for carshare vehicles to encourage use of the service. • Bikeshare Program (conventional or EV): providing access to a shared fleet of on-demand bicycles for short-term use/rental. Best practice is to discount bikeshare membership and dedicate bikeshare parking to encourage use of the service. • Rideshare Program: providing access to and encouraging the use of a ridesharing platform or service. This could be an app, website, or other service that provides ride-matching coordination services. • Community-Based Travel Planning (CBTP): CBTP is a residential based approach to outreach, performed by trained advisors, that provides households within a targeted geographic area with customized information, incentives, and support to encourage the use of transportation alternatives in place of single occupancy vehicles. • Commute Trip Reduction (CTR) Program: CTR programs can be mandatory or voluntary, and involve providing information, coordination, services, infrastructure, and/or incentives for alternative modes such as ridesharing, vanpool, transit passes, and cycling.			
TRIBAL CULTURAL RESOURCES			
Mitigation Measure 5-2: As listed previously in *Cultural Resources* above.	In Construction Plans and Specifications. Prior to the issuance of Grading Permits. Ongoing during Construction Activities.	City of Ontario Community Development Department	
Mitigation Measure 5-3: Upon receipt of an application for a proposed project subject to CEQA and within the City's jurisdiction, the City's representative shall consult with the relevant tribe(s)' representative(s) to determine if the proposed project is within a culturally sensitive area to the tribe. If sufficient evidence is provided to reasonably ascertain that the site is within a tribal culturally sensitive area, an archaeologist shall prepare a cultural resources assessment. The findings of the cultural resources assessment shall be incorporated into the CEQA documentation. A copy of the report shall be forwarded	Upon receipt of an application for a project.	City of Ontario Community Development Department	

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
to the tribe(s). If mitigation is recommended in the CEQA document, the procedure described in Mitigation Measure 5-4 shall be followed.			
Mitigation Measure 5-4: Prior to the issuance of grading permits for a proposed project for which the CEQA document defines cultural resource mitigation for potential tribal resources, the project applicant shall contact the designated tribe(s) to notify them of the grading, excavation, and monitoring program. The applicant shall coordinate with the City of Ontario and the tribal representative(s) to develop mitigation measures that address the designation, responsibilities, and participation of tribal monitors during grading, excavation, and ground-disturbing activities; scheduling; terms of compensation; and treatment and final disposition of any cultural resources, sacred sites, and human remains discovered on the site. The City of Ontario shall be the final arbiter of the conditions for projects within the City's jurisdiction.	Prior to the issuance of grading permits.	City of Ontario Community Development Department	
Mitigation Measure TCR-1: Tribal Cultural Resources Monitoring. The project archaeologist, in consultation with interested tribes, the developer, and the City of Ontario, shall develop an archaeological monitoring plan (AMP) to address the details, timing, and responsibility of archaeological and cultural activities that will occur on the project site. Details in the AMP shall include: 1. Project-related ground disturbance (including, but not limited to, brush clearing, grading, trenching, etc.) and development scheduling; 2. The development of a rotating or simultaneous schedule in coordination with the developer and the project archeologist for designated Native American Tribal Monitors from the consulting tribes during grading, excavation and ground disturbing activities on the site: including the scheduling, safety requirements, duties, scope of work, and Native American Tribal Monitors' authority to stop and redirect grading activities in coordination with all project archaeologists (if the tribes cannot come to an agreement on the rotating or simultaneous schedule of tribal monitoring, the Native American Heritage Commission shall designate the schedule for the onsite Native American Tribal Monitor for the proposed project); 3. The protocols and stipulations that the developer, City, Tribes, and project archaeologist will follow in the event of inadvertent cultural resources discoveries, including any newly discovered	In Construction Plans and Specifications. Prior to the issuance of Grading Permits. Ongoing during Construction Activities.	City of Ontario Community Development Department	

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
cultural resource deposits that shall be subject to a cultural resources evaluation. At least 30 days prior to application for a grading permit and before any brush clearance, grading, excavation, and/or ground disturbing activities on the site, the developer shall retain a tribal cultural monitor to monitor all ground-disturbing activities in an effort to identify any unknown archaeological resources. Pursuant to the AMP, a tribal monitor from the consulting tribe shall be present during the initial grading activities. If tribal resources are found during grubbing activities, the tribal monitoring shall be present during site grading activities.			
Mitigation Measure TCR-2: Treatment and Disposition of Cultural Resources. In the event that Native American cultural resources are inadvertently discovered during the course of any ground-disturbing activities, including but not limited to brush clearance, grading, trenching, etc., for the proposed project, the following procedures will be carried out for treatment and disposition of the discoveries: 1. Temporary Curation and Storage: During the course of construction, all discovered resources shall be temporarily curated in a secure location on-site or at the offices of the project archaeologist. The removal of any artifacts from the project site will need to be thoroughly inventoried with tribal monitor oversight of the process; 2. Treatment and Final Disposition: The landowner(s) shall relinquish ownership of all cultural resources, including sacred items, burial goods, and all archaeological artifacts and nonhuman remains as part of the required mitigation for impacts to cultural resources. The applicant shall relinquish the artifacts through one or more of the following methods and provide the City of Ontario with evidence of same: a) Accommodate the process for on-site reburial of the discovered items with the consulting Native American tribes or bands. This shall include measures and provisions to protect the future reburial area from any future impacts. Reburial shall not occur until all cataloging, basic analysis, other analyses as recommended by the project archaeologist and approved by consulting tribes, and basic recordation	In Construction Plans and Specifications. Prior to the issuance of Grading Permits. Ongoing during Construction Activities.	City of Ontario Community Development Department	

Standard Condition/ Plan, Program, Policy/ Project Design Features/Mitigation Measure	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
have been completed; all documentation should be at a level of standard professional practice to allow the writing of a report of professional quality; b) A curation agreement with an appropriate qualified repository in San Bernardino County that meets federal standards per 36 CFR Part 79, and therefore the resource would be professionally curated and made available to other archaeologists/researchers for further study. The collections and associated records shall be transferred, including title, to an appropriate curation facility in San Bernardino County, to be accompanied by payment of the fees necessary for permanent curation; c) For purposes of conflict resolution, if more than one Native American tribe or band is involved with the project and cannot come to an agreement as to the disposition of cultural materials, materials shall be curated at the San Bernardino County Museum by default; d) At the completion of grading, excavation, and ground-disturbing activities on the site, a Phase IV Monitoring Report shall be submitted to the City documenting monitoring activities conducted by the project archaeologist and Native Tribal Monitors within 60 days of completion of grading. This report shall document the impacts to the known resources on the property; describe how each mitigation measure was fulfilled; document the type of cultural resources recovered and the disposition of such resources; provide evidence of the required cultural sensitivity training for the construction staff held during the required pregrade meeting; and, in a confidential appendix, include the daily/weekly monitoring notes from the archaeologist. All reports produced will be submitted to the City, County Museum, and consulting tribes.			

Table 2: Regulatory Requirements

627 Bon View Avenue Warehouse Project

Regulatory Requirements and Project Design Features	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
AESTHETICS			
RR AES-1. The proposed Project shall comply with lighting standards detailed in the Ontario Development Code Section 6.03.050 which requires exterior light fixtures to be designed to eliminate adverse impacts of light spillover on to adjacent properties and promote safe vehicular and pedestrian access.	In Construction Plans and Specifications. Prior to the issuance of Building Permits.	City of Ontario Community Development Department	
AIR QUALITY			
RR AQ-1: SCAQMD Rule 402. The construction plans and specifications shall state that the project is required to comply with the provisions of South Coast Air Quality Management District (SCAQMD) Rule 402. The project shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.	In Construction Plans and Specifications. Prior to the issuance of Grading and Building Permits.	City of Ontario Public Works Department	
RR AQ-3: SCAQMD Rule 1113. The following measure shall be incorporated into construction plans and specifications as implementation of SCAQMD Rule 1113. The Project shall only use "Low-Volatile Organic Compounds (VOC)" paints (no more than 50 gram/liter of VOC) consistent with SCAQMD Rule 1113.	In Construction Plans and Specifications. Prior to the issuance of Building Permits.	City of Ontario Community Development Department	
BIOLOGICAL RESOURCES			
RR BIO-1: Migratory Bird Treaty Act. The Project shall comply with the Migratory Bird Treaty Act (MBTA) (United States Code Title 33, Section 703 et seq.; see also Code of Federal Regulations Title 50, Part 10) and Section 3503 of the California Fish and Game Code during the avian nesting and breeding season that occurs between February 1 and September 15. The provisions of the MBTA prohibits disturbing or destroying active nests.	In Construction Plans and Specifications. Prior to Construction Activities.	City of Ontario Community Development Department	
RR BIO-2: Parkway Trees. Removal and or installation of parkway trees shall occur in compliance with the City of Ontario Municipal Code Article 10, Chapter 2, Parkway Tree Regulations.	In Construction Plans and Specifications. Prior to the Construction Activities.	City of Ontario Community Development Department	
CULTURAL RESOURCES			

Regulatory Requirements and Project Design Features	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
RR CUL-1: Should human remains be discovered during Project construction, the Project would be required to comply with State Health and Safety Code Section 7050.5, which states that no further disturbance may occur in the vicinity of the body until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission, which will determine the identity of and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD must complete the inspection within 48 hours of notification by the NAHC.	In Construction Plans and Specifications. Prior to the issuance of Grading Permits. Ongoing during Construction Activities.	City of Ontario Community Development Department	
ENERGY			
RR GHG-1: Title 24 Standards. The Project shall be designed in accordance with the applicable Title 24 Energy Efficiency Standards for Residential and Nonresidential Buildings (California Code of Regulations [CCR], Title 24, Part 6). These standards are updated, nominally every three years, to incorporate improved energy efficiency technologies and methods. The Building Manager, or designee shall ensure compliance prior to the issuance of each building permit.	In Construction Plans and Specifications. Prior to the issuance of Building Permits.	City of Ontario Community Development Department	
GEOLOGY AND SOILS			
RR GEO-1: California Building Code. Site development in the City is required to comply with the CBC and all state requirements pertaining to geotechnical hazards and constraints, including soil conditions. The CBC has been incorporated and adopted in its entirety into the City's Building Code as Title 8, Chapter 1, Section 8-1.01 of the Ontario Municipal Code.	In Construction Plans and Specifications. Prior to the issuance of Building Permits. Ongoing during Construction Activities.	City of Ontario Community Development Department	
RR GEO-2: As required by the current CBC adopted in the City's Municipal Code, prior to issuance of a grading permit, site preparation shall follow the recommendations in the *Geotechnical Investigation for Proposed Industrial Development Bon View Avenue and California Street, Ontario, California* (dated May 16, 2022), prepared by NOVA Services, Inc., as well as any additional future site-specific, design-level geotechnical investigations of the Project.	In Construction Plans and Specifications. Prior to the issuance of Building Permit.	City of Ontario Community Development Department	
GREENHOUSE GAS EMISSIONS			
RR GHG-1: Title 24 Standards. The Project shall be designed in accordance with the applicable Title 24 Energy Efficiency Standards for Residential and Nonresidential Buildings (California Code of	In Construction Plans and Specifications. Prior to the issuance of Building Permits.	City of Ontario Community Development Department	

Regulatory Requirements and Project Design Features	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
Regulations [CCR], Title 24, Part 6). These standards are updated, nominally every three years, to incorporate improved energy efficiency technologies and methods. The Building Manager, or designee shall ensure compliance prior to the issuance of each building permit.			
RR GHG-2: CALGreen Standards. Projects shall be designed in accordance with the applicable California Green Building Standards (CALGreen) Code (24 CCR 11). The Building Manager, or designee shall ensure compliance prior to the issuance of each building permit.	In Construction Plans and Specifications. Prior to the issuance of Building Permits.	City of Ontario Community Development Department	
HAZARDS AND HAZARDOUS MATERIALS			
RR HYD-1: Storm Water Pollution Prevention Plan. As listed in Section 5.10, *Hydrology and Water Quality*.	In Construction Plans and Specifications. Prior to the issuance of Grading Permits.	City of Ontario Public Works Department	
RR HAZ-1: FAA Notice. The Project Applicant/Developer shall submit FAA Form 7460-2, Notice of Actual Construction or Alteration, any time the project is abandoned or within five days after the construction reaches its greatest height (7460-2, Part 2).	In Construction Plans and Specifications. If the Project is abandoned or within five days after construction reaches its greatest height.	City of Ontario Community Development Department	
HYDROLOGY AND WATER QUALITY			
RR HYD-1 Storm Water Pollution Prevention Plan. Prior to the issuance of any grading or building permits, the Project Applicant shall prepare a Storm Water Pollution Prevention Plan (SWPPP) utilizing the model form contained in Appendix B of the 2013 CASQA Stormwater Best Management Practices (BMP) Handbook for Construction, and submit a copy of the plan to the City of Ontario Engineering Department for review and approval. A copy of the approved SWPPP shall be maintained in the construction site office at all times during construction, and the Site Superintendent shall use the plan to train all construction site contractors and supervisory personnel in construction site BMP, prior to commencing work on the site.	In Construction Plans and Specifications. Prior to the issuance of Grading and Demolition Permits.	City of Ontario Public Works Department	
RR HYD-2 General Waste Discharge Requirements. Prior to the issuance of any grading or building permits, the Project Applicant is required to obtain coverage under the State Water Resources Control Board (SWRCB) General Permit for Storm Water Discharges Associated with Construction Activity. Proof of filing a Notice of Intent (NOI) with the SWRCB for coverage under this permit is required prior to Grading Plan approval and issuance of a grading permit. The Applicant shall submit a copy of the Waste Dischargers Identification Number (WDID) for	In Construction Plans and Specifications. Prior to the issuance of Grading Permits.	City of Ontario Public Works Department	

Regulatory Requirements and Project Design Features	Timing	Responsible for Ensuring Compliance / Verification	Date Completed and Initials
coverage under the General Construction Permit to the Engineering Department.			
RR HYD-3 Water Quality Management Plan. Prior to Grading Plan approval and the issuance of a grading permit, a completed Water Quality Management Plan (WQMP) shall be submitted to, and approved by, the Engineering Department. The WQMP shall be submitted on the San Bernardino County Stormwater Program's model form, and shall identify all Post Construction, Site Design, Source Control, and Treatment Control Best Management Practices (BMPs), that will be incorporated into the Project, in order to minimize the adverse effects on receiving waters.	In Construction Plans and Specifications. Prior to the issuance of Building and Grading Permits.	City of Ontario Public Works Department	
RR HYD-4 Grading and Erosion Control Plans. Prior to Grading Plan approval and the issuance of a grading permit, an Erosion and Sediment Control Plan shall be submitted to, and approved by, the Engineering Department. The Erosion and Sediment Control Plan shall specifically identify the Best Management Practices (BMPs) that will be implemented on the Project during construction, to reduce the discharge of sediment and other pollutants into the City's storm drain system.	In Construction Plans and Specifications. Prior to the issuance of Building and Grading Permits.	City of Ontario Public Works Department	
NOISE			
RR N-1: Municipal Code Section 5-29.09 (Construction activity noise regulations). Noise sources associated with construction, repair, remodeling, or grading of any real property, shall not take place on any weekday except between the hours of 7:00 am and 6:00 pm or on Saturday or Sunday between the hours of 9:00 a.m. and 6:00 p.m.	In Construction Plans and Specifications. Prior to the issuance of Grading and Building Permits. Ongoing during Construction Activities.	City of Ontario Community Development Department	
PDF N-1: Construction Plans. Prior to issuance of grading permits, the Building Department shall ensure all construction plans include a note that the following construction equipment shall not be operated within 15 feet of existing structures: large bulldozers, dump trucks, and vibratory rollers.	In Construction Plans and Specifications. Prior to the issuance of Grading Permits.	City of Ontario Public Works Department	
TRIBAL CULTURAL RESOURCES			
RR CUL -1: As listed above in *Cultural Resources* above.	In Construction Plans and Specifications. Prior to the issuance of Grading Permits. Ongoing during Construction Activities.	City of Ontario Community Development Department	

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2022-AWP-11079-OE

Issued Date: 08/10/2022

Jonah Chodosh
WPT Capital Advisors, LLC
2355 Main Street Suite 100
Irvine, CA 92614

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Commercial Use Building 627 Bon View Building 1
Location:	Ontario, CA
Latitude:	34-03-27.85N NAD 83
Longitude:	117-38-04.17W
Heights:	960 feet site elevation (SE) 45 feet above ground level (AGL) 1005 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

This determination expires on 02/10/2024 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.

(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

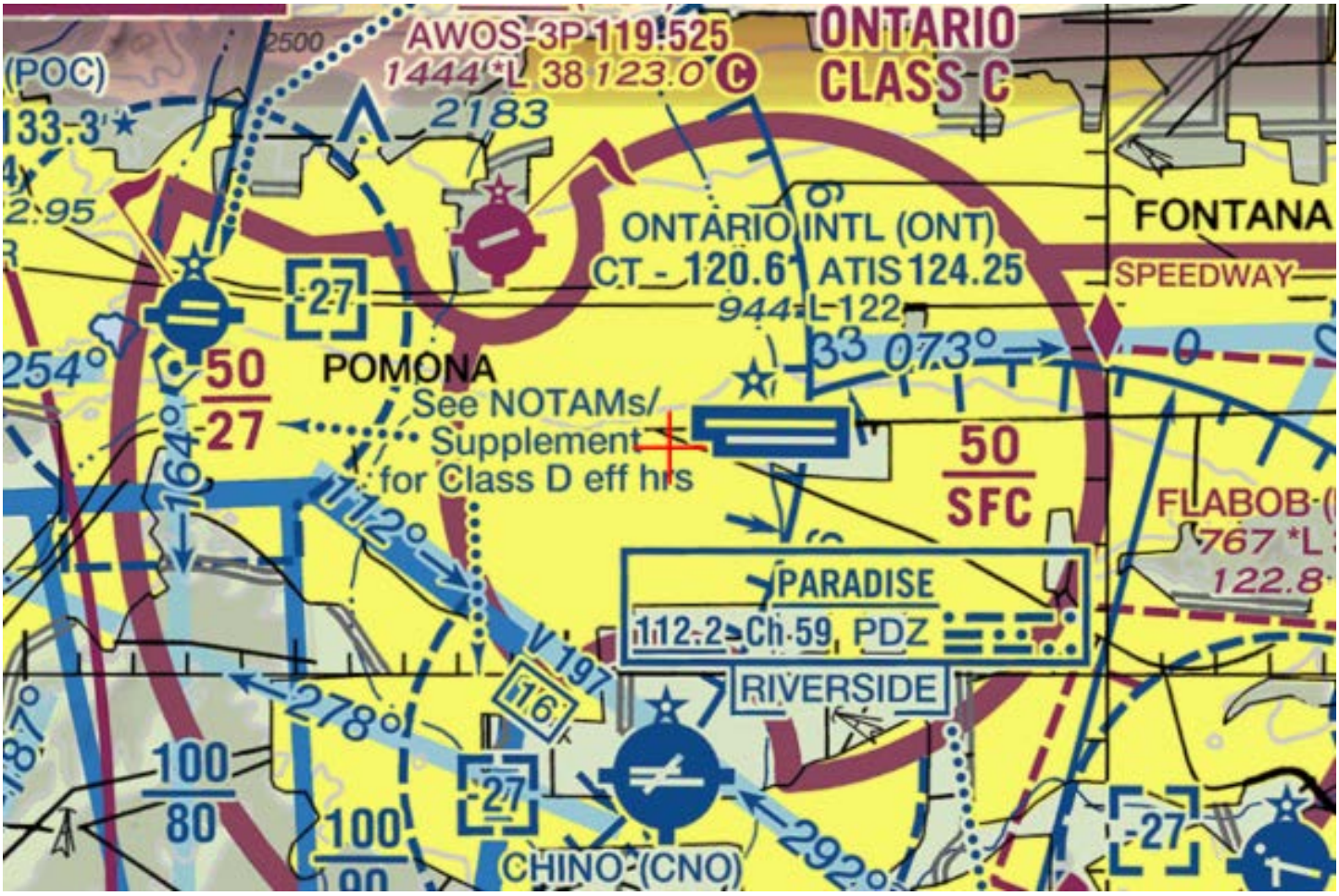
This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (847) 294-7575, or vivian.vilaro@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-AWP-11079-OE.

Signature Control No: 533084522-547436994 (DNE)
Vivian Vilaro
Specialist

Attachment(s)
Map(s)

TOPO Map for ASN 2022-AWP-11079-OE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FLABOB
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V 197
16
278°
100
80
100
27
CHINO (CNO)
292°
27

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2022-AWP-11080-OE

Issued Date: 07/22/2022

Jonah Chodosh
WPT Capital Advisors, LLC
2355 Main Street Suite 100
Irvine, CA 92614

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Commercial Use Building 627 Bon View Building 2
Location:	Ontario, CA
Latitude:	34-03-21.32N NAD 83
Longitude:	117-38-03.25W
Heights:	951 feet site elevation (SE) 42 feet above ground level (AGL) 993 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

This determination expires on 01/22/2024 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.

(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.This determination includes all previously filed frequencies and power for this structure.

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This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (847) 294-7575, or vivian.vilaro@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-AWP-11080-OE.

Signature Control No: 533084523-544547671 (DNE)
Vivian Vilaro
Specialist

Attachment(s)
Map(s)

TOPO Map for ASN 2022-AWP-11080-OE

Sectional Map for ASN 2022-AWP-11080-OE

CITY OF ONTARIO PLANNING DEPARTMENT

DEVELOPMENT ADVISORY BOARD DECISION

March 6, 2023

303 East B Street, Ontario, California 91764 Phone: 909.395.2036 / Fax: 909.395.2420

DECISION NO.: [insert #]

DECISION NO.: [insert #]

FILE NOS.: PMTT22-017 and PDEV22-025

DESCRIPTION: A public hearing to consider Tentative Parcel Map No. 20582 (File No. PMTT22-017), subdividing 10.05 acres of land into two parcels in conjunction with a Development Plan (File No. PDEV22-025), to raze six existing industrial buildings totaling 77,696 square feet and construct two industrial buildings totaling 237,236 square feet on property located at 605, 621, and 627 South Bon View Avenue, 954 East Ontario Boulevard, and 1031 East California Street; (APN: 1049-181-14); **submitted by WPT Capital Advisors, LLC. Planning Commission action is required.**

PART 1: BACKGROUND & ANALYSIS

WPT CAPITAL ADVISORS, LLC, (herein after referred to as "Applicant") has filed an application requesting approval of a Tentative Parcel Map, File No. PMTT22-017, Map No. 20582, and a Development Plan, File No. PDEV22-025, as described in the subject of this Decision (herein after referred to as "Application" or "Project").

PROJECT SETTING: The project site is comprised of 10.05 acres of land located at 605, 621, and 627 South Bon View Avenue, 954 East Ontario Boulevard, and 1031 East California Street, and is depicted in Exhibit A: Project Location Map, attached. Existing land uses, Policy Plan (general plan) and zoning designations, and specific plan land uses on and surrounding the project site are as follows:

	Existing Land Use	***Policy Plan Land Use Designation***	***Zoning Designation***	***Specific Plan Land Use Designation***
Site:	Industrial	Industrial (IND, 0.55 FAR)	IG (General Industrial)	N/A
North:	Industrial, Union Pacific Railroad	Industrial (IND, 0.55 FAR), Rail	IG (General Industrial), RC (Rail Corridor)	N/A
South:	Industrial, Single-Family Residential, Vacant	Business Park (BP, 0.6 FAR)	IG (General Industrial), IL (Light Industrial)	N/A
East:	Industrial	Industrial (IND, 0.55 FAR)	IG (General Industrial)	N/A

	Existing Land Use	***Policy Plan Land Use Designation***	***Zoning Designation***	***Specific Plan Land Use Designation***
West:	Industrial	Industrial (IND, 0.55 FAR)	IG (General Industrial)	N/A

PROJECT ANALYSIS:

(1) Background — On August 16, 2022, The Ontario City Council certified The Ontario Plan 2050 Supplemental Environmental Impact Report (State Clearinghouse No. 2021070364, in conjunction with File No. PGPA20-002). The Ontario Plan and associated Supplemental Environmental Impact Report analyzed the Project site and established guidelines for development, including but not limited to, general land use (industrial), maximum FAR (0.55), and assumed building area (approximately 240,778 square feet).

The Project site and the surrounding properties have been zoned for industrial development (previously "M2" since at least 1959), and the site has been developed with industrial uses since the early 1950s, which include manufacturing businesses and an RV and boat storage facility. Historically, Bestile Manufacturing Co., a building material manufacturer, occupied the Project site. When Bestile ceased operations on the site, Fleet RV & Boat Storage, LLC, started operations on the Project site in March of 2009, and ceased operations in 2022.

As currently exists, the Project site is underutilized and nonconforming to current Development Code standards. Whereas the Development Code allows up to 0.55 Floor-Area Ratio ("FAR"), or 240,778 square feet of industrial building(s), the current structures, totaling 77,696 square feet, having a FAR of 0.18. Further, aside from the current structures, the site has remained largely vacant. While the land within the northern part of the Project site has been paved, the southerly portion of the Project site remains unimproved. The Project site, including some of the existing buildings, is also nonconforming to current Development Code standards. The site lacks the requisite amount of landscape coverage and fails to provide safe and orderly public rights-of-way by means of sidewalks, parkways, and appropriate and effective curbs and gutters. Furthermore, various buildings do not meet setback or separation requirements, and one of the buildings encroaches into the public right-of-way.

On May 19, 2022, the Applicant submitted Tentative Parcel Map No. 20582 and a Development Plan application to facilitate the development of two industrial buildings totaling 237,236 square feet. The Development Plan also proposes to raze the existing industrial buildings, totaling approximately 77,696 square feet.

(2) Tentative Parcel Map No. 20582 (File No. PMTT22-017) — The Applicant submitted Tentative Parcel Map No. 20582 to subdivide the Project site into two parcels to accommodate the development of two stand-alone industrial buildings (see Exhibit B: Tentative Parcel Map, attached). The Development Code requires a minimum lot size of 10,000 square feet within the IG zoning district, and both proposed parcels exceed this standard. Parcel 1, the larger parcel, will be 353,752 square feet (8.12 acres) in area, and

Parcel 2, the smaller parcel, will be 83,839 square feet (1.92 acres) in area. Further, both lots comply with the Development Code's minimum lot dimension requirements (100-foot width and 100-foot depth). Parcel 1 will be irregular in shape but will maintain an approximately 606-foot depth and a 554-foot width at the approximate midpoint of the lot. The square-shaped Parcel 2 will maintain an approximately 290-foot width and 300-foot depth.

(3) Development Plan (File No. PDEV22-025)

(a) Site Design/Building Layout — The Project site is generally bounded on three sides by public streets: Ontario Boulevard, Bon View Avenue, and California Street. One stand-alone industrial building will be constructed on each lot (see Exhibit C: Site Plan and Exhibit D: Floor Plans, attached).

The proposed building on Parcel 1 will be 191,145 square feet in area and result in a 0.54 FAR. The building will be sited in a "U" shape, with enhanced building frontages facing Bon View Avenue to the west and Ontario Boulevard to the north and northeast. Dock-high loading doors will face the interior lot line to the south and will be screened from public view by the southwest portion of the building. Pedestrian access to the building will be available from multiple points along both Bon View Avenue and Ontario Boulevard, as well as from various passenger vehicle parking lots, with the office area conceptually sited at the northwest corner of the building.

The proposed building on Parcel 2 will be 46,091 square feet, with a FAR of 0.55. The building will be sited in an "L" shape, with enhanced building frontages visible from California Street. The dock-high doors will be located near the rear of the property, screened from public view by the southeast portion of the building. Pedestrian access to the site will be provided from California Street and the passenger vehicle parking lot, with the office conceptually sited at the southeast corner of the building.

(b) Site Access/Circulation — Vehicular access to the larger parcel is provided via two points of ingress/egress along the western property line, at Bon View Avenue, and two along the northern property line, at Ontario Boulevard. The two northerly access points serve passenger vehicle ingress/egress, and the two southerly access points serve both passenger vehicle parking lots, as well as truck/trailer circulation around the rear of the building. One point of vehicular access is provided to the smaller parcel, along the southern property line, at California Street, which serves as ingress/egress for both passenger vehicles and truck/trailers. While the rear property lines of each parcel touch, there is no point of connectivity between the two parcels—each will operate as a stand-alone facility.

(c) Parking — The Project has provided off-street parking pursuant to the "Warehouse and Distribution" parking standards specified in the Development Code. The number of off-street parking spaces provided meets the minimum parking requirement for the Project for each individual parcel. The off-street parking calculations for the Project are summarized in the table below:

Parking Summary

Type of Use	***Building Area (in SF)***	***Parking Ratio***	***Spaces Required***	***Spaces Provided***
Warehouse / Distribution	191,145 - Building 1	One space per 1,000 SF (0.001/SF) for portion of GFA <20,000 SF, plus 0.5 space per 1,000 SF (0.0005/SF) for GFA > 20,000 SF.	106 -Building 1	106 -Building 1
	46,091 -Building 2		33 - Building 2	37 -Building 2
Office	0	4 spaces per 1,000 SF (0.004/SF) of GFA. Parking is required when "general business offices" and other associated uses exceed 10 percent of the building GFA.	0	0
TOTAL	237,236		139	143
Trailer Parking	25 dock high doors - Building 1	1 space per 4 dock-high loading doors	7 - Building 1	20 -Building 1
	5 dock high doors - Building 2		2 - Building 2	2 - Building 2
	30 dock-high doors total		9 total	22 total

(d) Architecture — The Applicant has proposed a concrete tilt-up industrial building incorporating a contemporary industrial architectural style that will complement the existing industrial buildings surrounding the Project site. While the two proposed parcels/buildings will be operating independently, they are designed to be complementary to one another. The designs utilize various architectural treatments to help break down each building's massing and provide visual interest from the public right-of-way (see Exhibit E: Exterior Elevations, attached). Design elements include:

- Uniquely-designed formliner textured panels;
- Horizontal and vertical reveal lines to break down the massing;
- Color blocking to provide visual interest;
- Glazing at the main entry and spaced throughout the elevations;
- Decorative metal entry canopies; and,
- Recessed accent paint around glazing at key elevations.

(e) Landscaping — The Project proposes landscaping along the entire perimeter of the site and adjacent to exterior building walls (see Exhibit G: Conceptual Landscape Plan, attached). A substantial landscape area has been provided at the northwest corner of the Project site, which will help to soften the appearance of the architecture and parking lot. Per the Ontario Development Code, a minimum of 15 percent landscape coverage is required for corner lots, and 10 percent for interior lots. Parcel 1, the larger, corner lot, will provide 15.12 percent landscape coverage, and Parcel 2, the smaller, interior lot, will provide 10.26 percent. Additionally, an approximately 55-foot-wide by 120-foot-deep landscape area will be provided at the southwest corner

of the larger lot, which will further help to screen and soften the truck/trailer parking area to the rear of the site.

A variety of plantings are proposed, including trees, hedge screens, shrubs, grasses, and groundcovers, including:

- Trees: Eastern Redbud, Raywood Ash, Lavender Crape Myrtle, California Sycamore, Coast and Southern Live Oak, and Brisebane Box in 24" to 48" box containers.
- Hedge Screens: Green Beauty Boxwood, Spartan Juniper, Texas Privet, Heavenly Bamboo, Fern Pine, Indian Hawthorn, and Shiny Xylosma.
- Shrubs: Strawberry Tree Shrub, Lemon Bottlebrush Shrub, Purple Leafed Hopseed Bush, Silverberry, Toyon, and an assortment of accent shrubs like agave, rosemary, and sage.
- Grasses: Pink Muhly and Lindheimer's Muhly.
- Ground Covers: Bank Catclaw, Coyote Brush, Halls Honeysuckle Flowering Vine, Putah Creek Myoporum, Huntington Carpet Rosemary, Flower Carpet Rose, and Star Jasmine.

(f) Signage — All project signage is required to comply with sign regulations provided in Ontario Development Code Division 8.1. Prior to the issuance of a Building Permit for the installation of any new on-site signage, the Applicant is required to submit Sign Plans for Planning Department review and approval.

(g) Utilities (drainage, sewer) — Public utilities (water and sewer) are available to serve the Project, which is located within an area characterized by existing industrial development, on a largely previously-developed site. While the proposed southerly parcel has remained mostly vacant/undeveloped for at least 64 years (according to historic aerial photographs of the site), the parcel is located in-line with other industrial development that spans the block of California Street, from Bon View Avenue to Cucamonga Avenue. Furthermore, the Applicant has submitted a Preliminary Water Quality Management Plan ("PWQMP"), which establishes the Project's compliance with storm water discharge/water quality requirements. The PWQMP includes site design measures that capture runoff and pollutant transport by minimizing impervious surfaces and maximizes low impact development ("LID") best management practices ("BMPs"), such as retention and infiltration, biotreatment, and evapotranspiration. The PWQMP proposes the use of landscape swales and underground stormwater retention chambers. Any overflow drainage will be conveyed to the public street by way of parkway drains and culverts.

(h) ONT ALUCP — This Project is located within the Airport Influence Area of Ontario International Airport ("ONT") and was evaluated and found to be consistent with the policies and criteria of the Ontario International Airport Land Use Compatibility Plan ("ONT ALUCP"). The Project site is located west of the ONT runways and is impacted by height restrictions, the 70-75 and 65-70 CNEL Noise Impact Zones and Safety Zone 2 (Inner Approach/Departure Zone). The allowable building heights range from 40 to 50 feet

across the site from east to west. As a result, the project was required to submit their project to FAA for review and received a "Determination of No Hazard to Air Navigation" for all proposed building/structure heights. Properties located within the ONT ALUCP Safety Zones are subject to land use restrictions and occupancy limits, to minimize risk to property and people on the ground in the areas most susceptible to aircraft accidents. The Project is proposing a low intensity warehouse land use and does not exceed the occupancy limits for Safety Zone 2, which includes the Sitewide average intensity (60 people per acre) and Single-acre intensity limits (120 people per single acre). Also, the Project's ONT ALUCP Consistency Determination, including the intensity calculations and special conditions of approval, have been placed on the project to conform with OIAA, FAA and City standards, and are attached to this report.

PUBLIC NOTIFICATION: Public notification is not required, as the Development Advisory Board is acting in its capacity as an advisory body to the Planning Commission. Public notification is required prior to the Planning Commission hearing on the Project.

CORRESPONDENCE: As of the preparation of this Decision, Planning Department staff has not received any written or verbal communications from the owners of properties surrounding the project site or from the public in general, regarding the subject application.

AGENCY/DEPARTMENT REVIEWS: Each City agency/department has been provided the opportunity to review and comment on the subject application and recommend conditions of approval to be imposed upon the application. At the time of the Decision preparation, recommended conditions of approval were provided and are included with this Decision.

AIRPORT LAND USE COMPATIBILITY PLAN (ALUCP) COMPLIANCE: The California State Aeronautics Act (Public Utilities Code Section 21670 et seq.) requires that an Airport Land Use Compatibility Plan be prepared for all public use airports in the State, and requires that local land use plans and individual development proposals must be consistent with the policies set forth in the adopted Airport Land Use Compatibility Plan.

On April 19, 2011, the City Council of the City of Ontario approved and adopted the ONT ALUCP, establishing the Airport Influence Area for Ontario International Airport, which encompasses lands within parts of San Bernardino, Riverside, and Los Angeles Counties, and limits future land uses and development within the Airport Influence Area, as they relate to noise, safety, airspace protection, and overflight impacts of current and future airport activity. As the recommending body for the Project, the Development Advisory Board has reviewed and considered the facts and information contained in the Application and supporting documentation against the ONT ALUCP compatibility factors, including [1] Safety Criteria (ONT ALUCP Table 2-2) and Safety Zones (ONT ALUCP Map 2-2), [2] Noise Criteria (ONT ALUCP Table 2-3) and Noise Impact Zones (ONT ALUCP Map 2-3), [3] Airspace protection Zones (ONT ALUCP Map 2-4), and [4] Overflight Notification Zones (ONT ALUCP Map 2-5). As a result, the Development Advisory Board, therefore, finds and determines that the Project, when implemented in conjunction with

the conditions of approval and FAA determination filing requirements, will be consistent with the policies and criteria set forth within the ONT ALUCP.

COMPLIANCE WITH THE ONTARIO PLAN: The proposed project is consistent with the principles, goals and policies contained within the Vision, Governance, Policy Plan (general plan), and City Council Priorities components of The Ontario Plan ("TOP"). More specifically, the goals and policies of TOP that are furthered by the proposed Project are as follows:

(1) City Council Goals.

- Invest in the Growth and Evolution of the City's Economy
- Operate in a Businesslike Manner
- Pursue City's Goals and Objectives by Working with Other Governmental Agencies

(2) Governance.

Decision Making:

- Goal G1: Sustained decision-making that consistently moves Ontario towards its Vision by using The Ontario Plan as a framework for assessing choices.

➢ G 1-2. Long-term Benefit. We require decisions to demonstrate and document how they add value to the community and support the Ontario Vision.

(3) Policy Plan (General Plan)

Land Use Element:

➢ LU-1.6 Complete Community. We incorporate a variety of land uses and building types in our land use planning efforts that result in a complete community where residents at all stages of life, employers, workers, and visitors have a wide spectrum of choices of where they can live, work, shop and recreate within Ontario.

- Goal LU-2 Compatibility: Compatibility between a wide range of uses and a resultant urban patterns and forms.

Community Economics Element:

➢ CE-2.1 Development Projects. We require new development and redevelopment to create unique, high-quality places that add value to the community.

➢ CE-2.2 Development Review. We require those proposing new development and redevelopment to demonstrate how their projects will create appropriately unique, functional, and sustainable places that will compete well with their competition within the region.

➢ CE-2.4 Protection of Investment. We require that new development and redevelopment protect existing investment by providing architecture and urban design of equal or greater quality.

➢ CE-2.5 Private Maintenance. We require adequate maintenance, upkeep, and investment in private property because proper maintenance on private property protects property values.

Safety Element:

▪ Goal S-1 Seismic & Geologic Hazards: Minimized risk of injury, loss of life, property damage, and economic and social disruption caused by earthquake-induced and other geologic hazards.

➢ S-1.1 Implementation of Regulations and Standards. We require that all new habitable structures be designed in accordance with the most recent California Building Code adopted by the City, including provisions regarding lateral forces and grading.

Community Design Element:

➢ CD-1.3 Existing Neighborhoods. We require the existing character of viable residential and non-residential neighborhoods be preserved, protected, and enhanced.

▪ Goal CD-2 Design Quality: A high level of design quality resulting in neighborhoods, public spaces, parks, and streetscapes that are attractive, safe, functional, human-scale, and distinct.

➢ CD-2.1 Quality Building Design and Architecture. We encourage all development projects to convey visual interest and character through:

- Building volume, massing, and height to provide context-appropriate scale and proportion;
- A true architectural style which is carried out in plan, section, and elevation through all aspects of the building and site design and appropriate for its setting; and
- Exterior building materials that are articulated, high quality, durable, and appropriate for the architectural style.

➢ CD-2.8 Safe Design. We incorporate defensible space design into new and existing developments to ensure the maximum safe travel and visibility on pathways, corridors, and open space and at building entrances and parking areas by avoiding physically and visually isolated spaces, maintaining visibility and accessibility, and using lighting.

➢ CD-2.9 Landscape Design. We encourage durable, sustainable, and drought-tolerant landscaping materials and designs that enhance the aesthetics of

structures, create and define public and private spaces, and provide shade and environmental benefits.

- CD-2.13 Entitlement Process. We work collaboratively with all stakeholders to ensure a high degree of certainty in the efficient review and timely processing of all development plans and permits.

- CD-3.4 Context-Aware and Appropriate Design. We require appropriate building and site design that complements existing development, respects the intent and identity of the Place Type, and provides appropriate transitions and connections between adjacent uses to ensure compatibility of scale, maintain an appropriate level of privacy for each use, and minimize potential conflicts.

- Goal CD-5 Protection of Investment: A sustained level of maintenance and improvement of properties, buildings, and infrastructure that protects the property values and encourages additional public and private investments.

- CD-5.1 Maintenance of Buildings and Property. We require all public and privately-owned buildings and property (including trails and easements) to be properly and consistently maintained.

- CD-5.2 Maintenance of Infrastructure. We require the continual maintenance of infrastructure.

HOUSING ELEMENT COMPLIANCE: The project is consistent with the Housing Element of the Policy Plan (general plan) component of The Ontario Plan, as the project site is not one of the properties in the Housing Element Sites contained in Tables B-1 and B-2 (Housing Element Sites Inventory) of the Housing Element Technical Report.

ENVIRONMENTAL REVIEW: The environmental impacts of the proposed Project were reviewed in conjunction with an Addendum to the TOP 2050 Final Supplemental Environmental Impact Report (State Clearinghouse No. 2021070364), certified by the Ontario City Council on August 16, 2022, in conjunction with File No. PGPA20-002.

PART 2: RECITALS

WHEREAS, the Application is a Project pursuant to the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) ("CEQA") and an initial study has been prepared to determine possible environmental impacts; and

WHEREAS, The Ontario Plan 2050 Supplemental Environmental Impact Report (State Clearinghouse No. 2021070364) was certified on August 16, 2022 (hereinafter referred to as "Certified SEIR"), in which development and use of the Project site was discussed; and

WHEREAS, the Planning Director of the City of Ontario prepared and approved for attachment to the certified Environmental Impact Report, an Addendum to the Certified SEIR (hereinafter referred to as "SEIR Addendum") in accordance with the requirements of the California Environmental Quality Act of 1970, together with State and local guidelines implementing said Act, all as amended to date (collectively referred to as "CEQA"); and

WHEREAS, the environmental impacts of this Project were thoroughly analyzed in the EIR Addendum, which concluded that implementation of the Project could result in a number of significant effects on the environment that were previously analyzed in the Certified SEIR, and that the Certified SEIR identified mitigation measures that would reduce each of those significant effects to a less-than-significant level; and

WHEREAS, the City's "Local Guidelines for the Implementation of the California Environmental Quality Act (CEQA)" provide for the use of a single environmental assessment in situations where the impacts of subsequent projects are adequately analyzed; and

WHEREAS, Ontario Development Code Table 2.02-1 (Review Matrix) grants the Development Advisory Board (hereinafter referred to as "DAB") the responsibility and authority to review and make recommendation to the Planning Commission on the subject Application; and

WHEREAS, all members of the DAB of the City of Ontario were provided the opportunity to review and comment on the Application, and no comments were received opposing the proposed development; and

WHEREAS, the Project has been reviewed for consistency with the Housing Element of the Policy Plan component of The Ontario Plan, as State Housing Element law (as prescribed in Government Code Sections 65580 through 65589.8) requires that development projects must be consistent with the Housing Element, if upon consideration of all its aspects, it is found to further the purposes, principals, goals, and policies of the Housing Element; and

WHEREAS, the Project is located within the Airport Influence Area of Ontario International Airport, which encompasses lands within parts of San Bernardino, Riverside, and Los Angeles Counties, and is subject to, and must be consistent with, the policies and criteria set forth in the Ontario International Airport Land Use Compatibility Plan (hereinafter referred to as "ONT ALUCP"), which applies only to jurisdictions within San Bernardino County, and addresses the noise, safety, airspace protection, and overflight impacts of current and future airport activity; and

WHEREAS, City of Ontario Development Code Division 2.03 (Public Hearings) prescribes the manner in which public notification shall be provided and hearing procedures to be followed, and all such notifications and procedures have been completed; and

WHEREAS, as the first action on the Project, on March 6, 2023, the DAB issued a Decision recommending the Planning Commission approve the SEIR Addendum, finding that the proposed Project introduces no new significant environmental impacts and applying all previously adopted mitigation measures to the Project, which were incorporated by reference; and

WHEREAS, on March 6, 2023, the DAB of the City of Ontario conducted a hearing on the Application and concluded said hearing on that date; and

WHEREAS, all legal prerequisites to the adoption of this Decision have occurred.

PART 3: THE DECISION

NOW, THEREFORE, IT IS HEREBY FOUND, DETERMINED AND DECIDED by the Development Advisory Board of the City of Ontario as follows:

SECTION 1: Environmental Determination and Findings. As the recommending body for the Project, the DAB has reviewed and considered the information contained in the Addendum, the initial study, and the administrative record for the Project, including all written and oral evidence provided during the comment period. Based upon the facts and information contained in the Addendum, the initial study, and the administrative record, including all written and oral evidence presented to the DAB, the DAB finds as follows:

(1) The environmental impacts of the Project were reviewed in conjunction with an Addendum to The Ontario Plan 2050 Supplemental Environmental Impact Report (State Clearinghouse No. 2021070364), certified by the Ontario City Council on August 16, 2022, in conjunction with File No. PGPA20-002; and

(2) The SEIR Addendum and administrative record have been completed in compliance with CEQA, the State CEQA Guidelines, and the City of Ontario Local CEQA Guidelines; and

(3) The City's "Guidelines for the Implementation of the California Environmental Quality Act (CEQA)" provide for the use of a single environmental assessment in situations where the impacts of subsequent projects are adequately analyzed. This Application introduces no new significant environmental impacts; and

(4) All previously adopted mitigation measures shall be a condition of project approval, as they are applicable to the Project, and are incorporated herein by this reference; and

(5) The SEIR Addendum contains a complete and accurate reporting of the environmental impacts associated with the Project, and reflects the independent judgment of the Development Advisory Board; and

(6) There is no substantial evidence in the administrative record supporting a fair argument that the Project may result in significant environmental impacts.

SECTION 2: Subsequent or Supplemental Environmental Review Not Required. Based on the SEIR Addendum, all related information presented to the DAB, and the specific findings set forth in Section 1, above, the DAB finds that the preparation of a subsequent or supplemental Certified EIR is not required for the Project, as the Project:

(1) Does not constitute substantial changes to the Certified SEIR that will require major revisions to the Certified SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; and

(2) Does not constitute substantial changes with respect to the circumstances under which the Certified SEIR was prepared, that will require major revisions to the Certified SEIR due to the involvement of new significant environmental effects or a substantial increase in the severity of the previously identified significant effects; and

(3) Does not contain new information of substantial importance that was not known and could not have been known with the exercise of reasonable diligence at the time the Certified SEIR was certified/adopted, that shows any of the following:

(a) The Project will have one or more significant effects not discussed in the Certified SEIR; or

(b) Significant effects previously examined will be substantially more severe than shown in the Certified SEIR; or

(c) Mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the Project, but the City declined to adopt such measures; or

(d) Mitigation measures or alternatives considerably different from those analyzed in the Certified SEIR would substantially reduce one or more significant effects on the environment, but which the City declined to adopt.

SECTION 3: Concluding Facts and Reasons. Based upon the substantial evidence presented to the DAB during the above-referenced hearing and upon the facts and information set forth in Parts I (Background and Analysis) and II (Recitals), above, and the determinations set forth in Sections 1 through 2, above, the DAB hereby concludes as follows:

(1) Development Plan

(a) *The proposed development at the proposed location is consistent with the goals, policies, plans and exhibits of the Vision, Policy Plan (General Plan), and City*

Council Priorities components of The Ontario Plan. The proposed Project is located within the Industrial (0.55 FAR) land use district of the Policy Plan Land Use Map, and the IG (General Industrial) zoning district. With the Project conditions of approval, the development standards and conditions under which the proposed Project will be constructed and maintained, is consistent with the goals, policies, plans, and exhibits of the Vision, Policy Plan (General Plan), and City Council Priorities components of The Ontario Plan. The proposed Project, to be located on vacant or under-developed land, will contribute two well-designed buildings to the existing industrial neighborhood, as well as provide landscape, drainage, parking, sidewalks, and other visual and safety improvements; and

(b) *The proposed development is compatible with those on adjoining sites in relation to location of buildings, with particular attention to privacy, views, any physical constraint identified on the site and the characteristics of the area in which the site is located*. With implementation of the Project's conditions of approval, the Project has been designed consistent with the requirements of the City of Ontario Development Code and the IG (General Industrial) zoning district, including standards relative to the particular land use proposed (two industrial buildings), as-well-as building intensity, building and parking setbacks, building height, number of off-street parking and loading spaces, on-site and off-site landscaping, and fences, walls and obstructions. The Project will raze the existing non-conforming structures and replace them with two legal, conforming buildings within an existing industrial corridor and adjacent to other industrial land uses. As such, the Project will not impose any impacts to privacy or views; and

(c) *The proposed development will complement and/or improve upon the quality of existing development in the vicinity of the Project and the minimum safeguards necessary to protect the public health, safety and general welfare have been required of the proposed Project*. The Development Advisory Board has required certain safeguards, and imposed certain conditions of approval, which have been established to ensure that: [i] the purposes of the Development Code are maintained; [ii] the Project will not endanger the public health, safety or general welfare; [iii] the Project will not result in any significant environmental impacts; [iv] the Project will be in harmony with the area in which it is located; and [v] the Project will be in full conformity with the Vision, City Council Priorities and Policy Plan components of The Ontario Plan, and the Development Code. With implementation of the Project's conditions of approval, the Project will improve upon the vacant and under-utilized site with well-designed new buildings, as well as upgraded paving, infrastructure, and landscaping; and

(d) *The proposed development is consistent with the development standards and design guidelines set forth in the Development Code, or applicable specific plan or planned unit development*. The proposed Project has been reviewed for consistency with the general development standards and guidelines of the Development Code that are applicable to the proposed Project, including building intensity, building and parking setbacks, building height, amount of off-street parking and loading spaces, parking lot dimensions, design and landscaping, bicycle parking, on-site landscaping, and fences and walls, as well as those development standards and guidelines specifically related to

the particular land use being proposed (two industrial buildings). As a result of this review, the Development Advisory Board has determined that the Project, when implemented in conjunction with the conditions of approval, will be consistent with the development standards and guidelines described in the Development Code.

(2) Tentative Parcel or Tract Maps

(a) *The proposed Tentative Parcel Map is consistent with the goals, policies, plans, and exhibits of the Vision, Policy Plan (General Plan), and City Council Priorities components of The Ontario Plan, and applicable area and specific plans, and planned unit developments.* The proposed Tentative Parcel Map is located within the Industrial (0.55 FAR) land use district of the Policy Plan Land Use Map, and the IG (General Industrial) zoning district. The proposed subdivision is consistent with the goals, policies, plans, and exhibits of the Vision, Policy Plan (General Plan), and City Council Priorities components of The Ontario Plan, as the Project will contribute to the establishment of "[a] dynamic, progressive city containing distinct and complete places that foster a positive sense of identity and belonging among residents, visitors, and businesses" (Goal CD-1). Furthermore, the Project will promote the City's policy to "take actions that are consistent with the City being a leading urban center in Southern California while recognizing, enhancing, and preserving the character of our existing viable neighborhoods" (Policy CD-1.1 *City Identity)*. With implementation of the Project's conditions of approval, the proposed Project will raze an existing non-conforming industrial site and facilitate the development of two well-designed industrial buildings on the under-utilized and vacant Project site*; and*

(b) *The design or improvement of the proposed Tentative Parcel Map is consistent with the goals, policies, plans and exhibits of the Vision, Policy Plan (General Plan), and City Council Priorities components of The Ontario Plan, and applicable specific plans and planned unit developments.* The proposed Tentative Parcel Map is located within the Industrial (0.55 FAR) land use district of the Policy Plan Land Use Map, and the IG (General Industrial) zoning district. The proposed design or improvement of the subdivision is consistent with the goals, policies, plans, and exhibits of the Vision, Policy Plan (General Plan), and City Council Priorities components of The Ontario Plan, as the Project will provide "[a] high level of design quality resulting in neighborhoods, commercial areas, public spaces, parks, and streetscapes that are attractive, safe, functional, human-scale, and distinct" (Goal CD-2). Furthermore, the Project will promote the City's policy to "collaborate with the development community to design and build neighborhoods, streetscapes, sites, outdoor spaces, landscaping, and buildings to reduce energy demand through solar orientation, maximum use of natural daylight, passive solar and natural ventilation, building form, mechanical and structural systems, building materials, and construction techniques" (Policy CD-2.7 *Sustainability); and*

(c) *The site is physically suitable for the type of development proposed.* The Project site meets the minimum lot area and dimensions of the IG (General Industrial) zoning district and is physically suitable for the type of industrial development proposed in terms of zoning, land use and development activity proposed, and existing and

proposed site conditions. The Project proposes to raze the existing under-utilized and non-conforming industrial site and construct two well-designed industrial buildings and associated site improvements, such as landscaping, infrastructure, and safe adjacent rights-of-way; and

(d) *The site is physically suitable for the density/intensity of development proposed.* The Project site is proposed for industrial development at a floor area ratio of 0.54 for Parcel 1 and 0.55 for Parcel 2. The IG (General Industrial) zoning district and the Industrial land use district of the Policy Plan Land Use Map both allow for a maximum FAR of 0.55. The Project site meets the minimum lot area and dimensions of the IG (General Industrial) zoning district and is physically suitable for this proposed intensity of development. The Development Code requires a minimum lot size of 10,000 square feet within the IG zoning district. Parcel 1 will be 353,752 square feet, and Parcel 2 will be 83,839 square feet, which both meet the minimum standard. Further, both lots comply with the Development Code's minimum lot dimension requirements (100-foot width and 100-foot depth). Parcel 1 will be irregular in shape but will maintain an approximately 606-foot depth and a 554-foot width at the approximate midpoint of the lot. Parcel 2 will maintain an approximately 290-foot width and 300-foot depth; and

(e) *The design of the subdivision or the proposed improvements thereon, are not likely to cause substantial environmental damage, or substantially and avoidably injure fish or wildlife, or their habitat.* The Project site is not located in an area that has been identified as containing species identified as a candidate, sensitive, or special status species in local or regional plans, policies or regulations or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service, nor does the site contain any riparian habitat or other sensitive natural community, and no wetland habitat is present on site; therefore, the design of the subdivision, or improvements proposed thereon, are not likely to cause substantial environmental damage, or substantially and avoidably injure fish or wildlife, or their habitat. As part of the Addendum process, the Applicant provided an array of studies, which concluded that the site is not suitable habitat and that none of the listed sensitive species are likely to occur on the Project site. Further, the Project is required to provide nesting bird and raptor surveys prior to issuance of any grading permits in order to further reduce any potential impacts; and

(f) *The design of the subdivision, or the type of improvements thereon, are not likely to cause serious public health problems.* The design of the proposed subdivision, and the industrial improvements existing or proposed on the Project site, are not likely to cause serious public health problems, as the Project is not anticipated to involve the transport, use, or disposal of hazardous materials during either construction or Project implementation, include the use of hazardous materials or volatile fuels, nor are there any known stationary commercial or industrial land uses within close proximity to the subject site that use/store hazardous materials to the extent that they would pose a significant hazard to visitors or occupants to the Project site. As part of the Addendum process, an Environmental Site Assessment and a Limited Subsurface Soil Vapor Screening were completed for the project site to deduce whether the site contained any hazardous substances. The Environmental Site Assessment did not find any evidence of CRECs or

HRECs in connection with the Project site and deferred further screening to rule out RECs on-site. The Limited Subsurface Soil Vapor Screening concluded VOCs were not detected, that historical site and surrounding area activities have not resulted in the release of contaminants to the subsurface above screening concentrations of concern, and that no additional assessment or mitigation is necessary at this time. However, out of an abundance of caution, the Project was conditioned such that any future site development or earthwork activities in the vicinity of the former tank system location on the 621 South Bon View property shall be performed under supervision of an environmental professional; and

(g) *The design of the subdivision, or the type of improvements thereon, will not conflict with easements acquired by the public at large for access through, or use of property within, the proposed subdivision.* The proposed subdivision has provided for all necessary public easements and dedications for access through, or use of property within, the proposed subdivision. Furthermore, all such public easements and dedications have been designed pursuant to: (a) the requirements of the Policy Plan component of The Ontario Plan and applicable area plans; (b) applicable specific plans or planned unit developments; (c) applicable provisions of the City of Ontario Development Code; (d) applicable master plans and design guidelines of the City; and (e) applicable Standard Drawings of the City.

SECTION 4: Development Advisory Board Action. Based on the findings and conclusions set forth in Sections 1 through 3, above, the DAB hereby recommends the Planning Commission APPROVE the Application subject to each and every condition set forth in the Conditions of Approval included as Attachment A of this Decision, and incorporated herein by this reference.

SECTION 5: Indemnification. The Applicant shall agree to defend, indemnify and hold harmless, the City of Ontario or its agents, officers, and employees from any claim, action or proceeding against the City of Ontario or its agents, officers or employees to attack, set aside, void or annul this approval. The City of Ontario shall promptly notify the applicant of any such claim, action or proceeding, and the City of Ontario shall cooperate fully in the defense.

SECTION 6: Custodian of Records. The documents and materials that constitute the record of proceedings on which these findings have been based are located at the City of Ontario City Hall, 303 East "B" Street, Ontario, California 91764. The custodian for these records is the City Clerk of the City of Ontario. The records are available for inspection by any interested person, upon request.

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APPROVED AND ADOPTED this 6th day of March 2023.

Development Advisory Board Chairman

Exhibit A: PROJECT LOCATION MAP

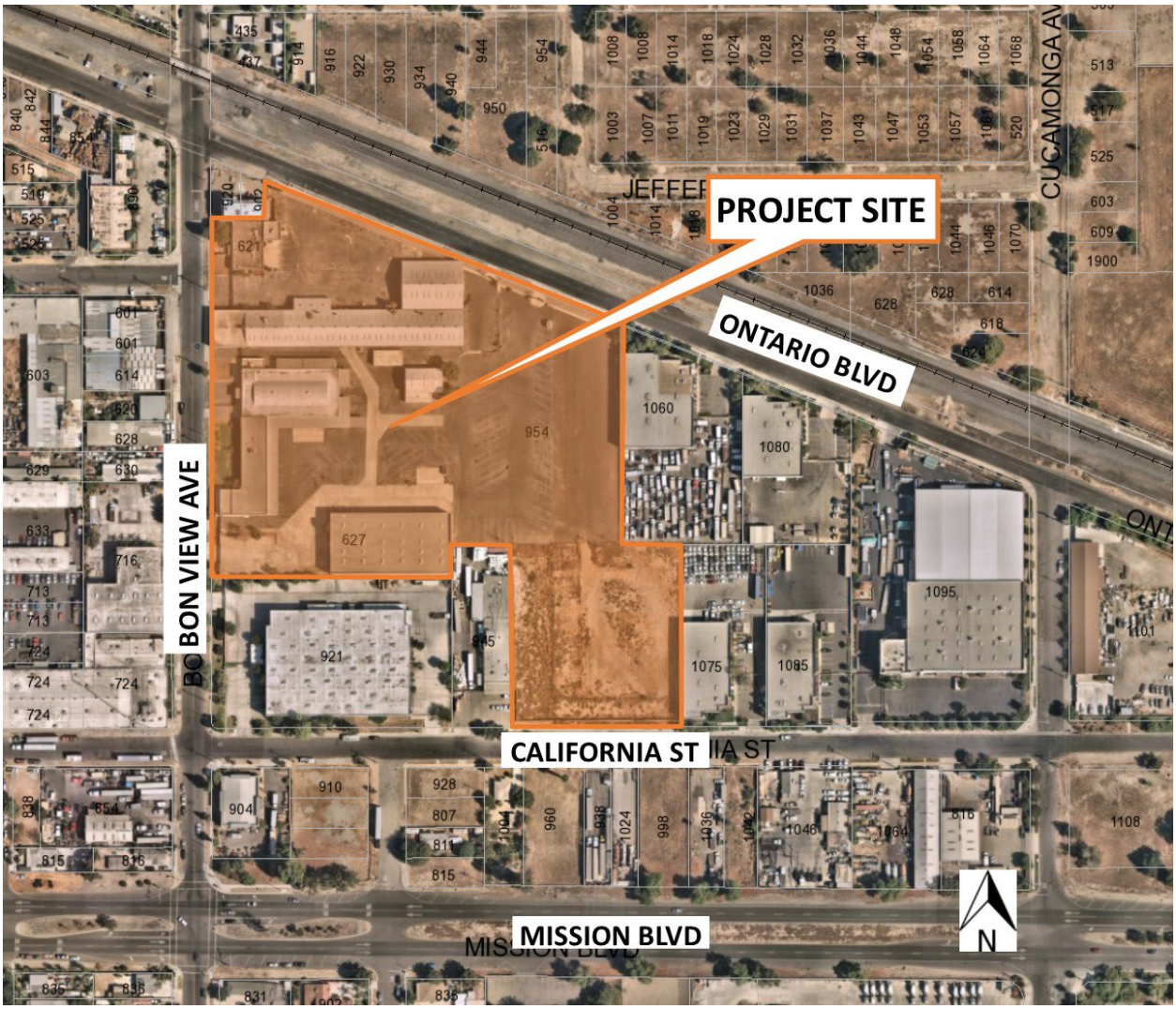


Exhibit B: Tentative Parcel Map (Map No. 20582)

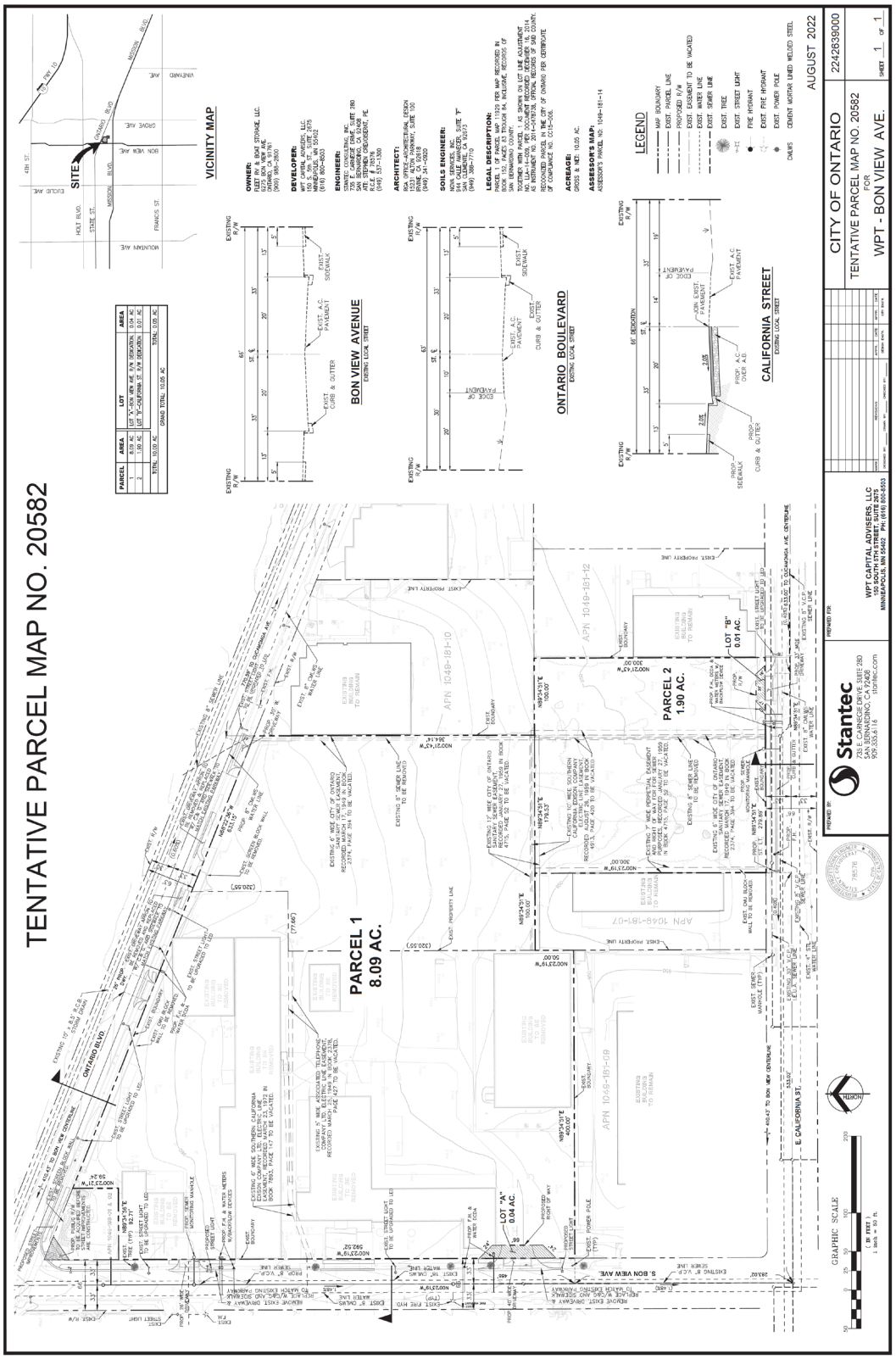


Exhibit B: TENTATIVE PARCEL MAP ENLARGED

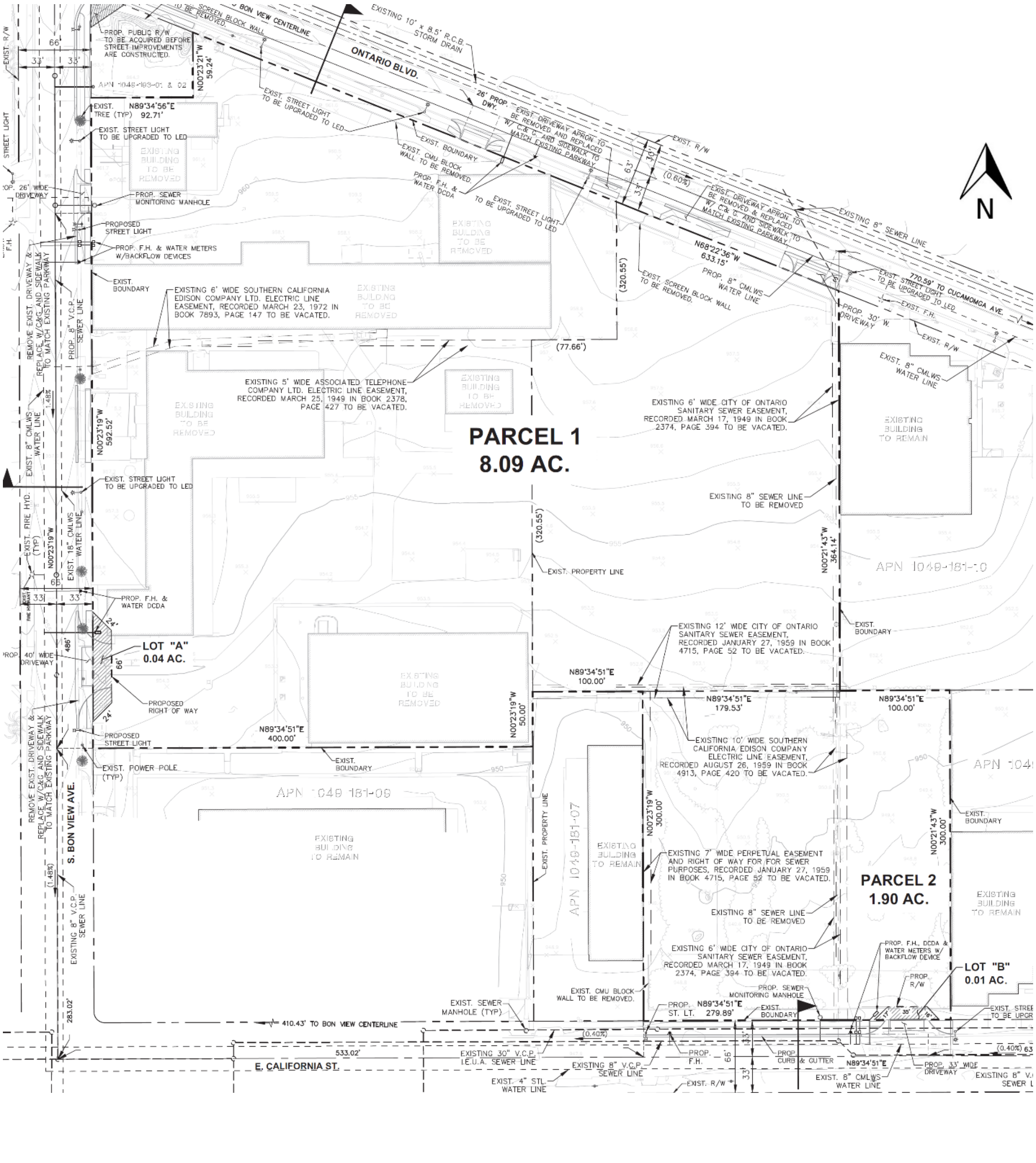


Exhibit C: SITE PLAN

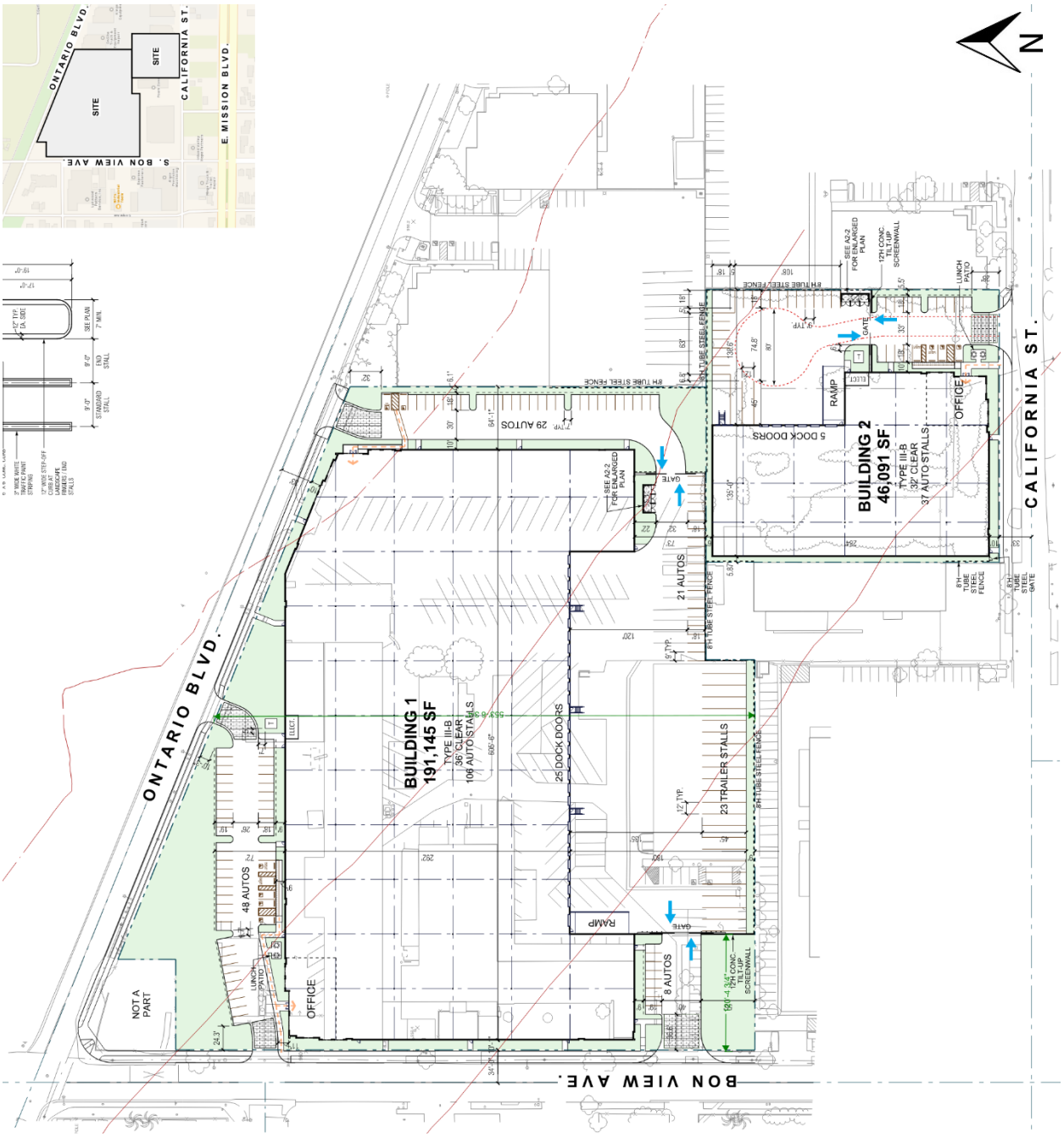


Exhibit D: FLOOR PLANS

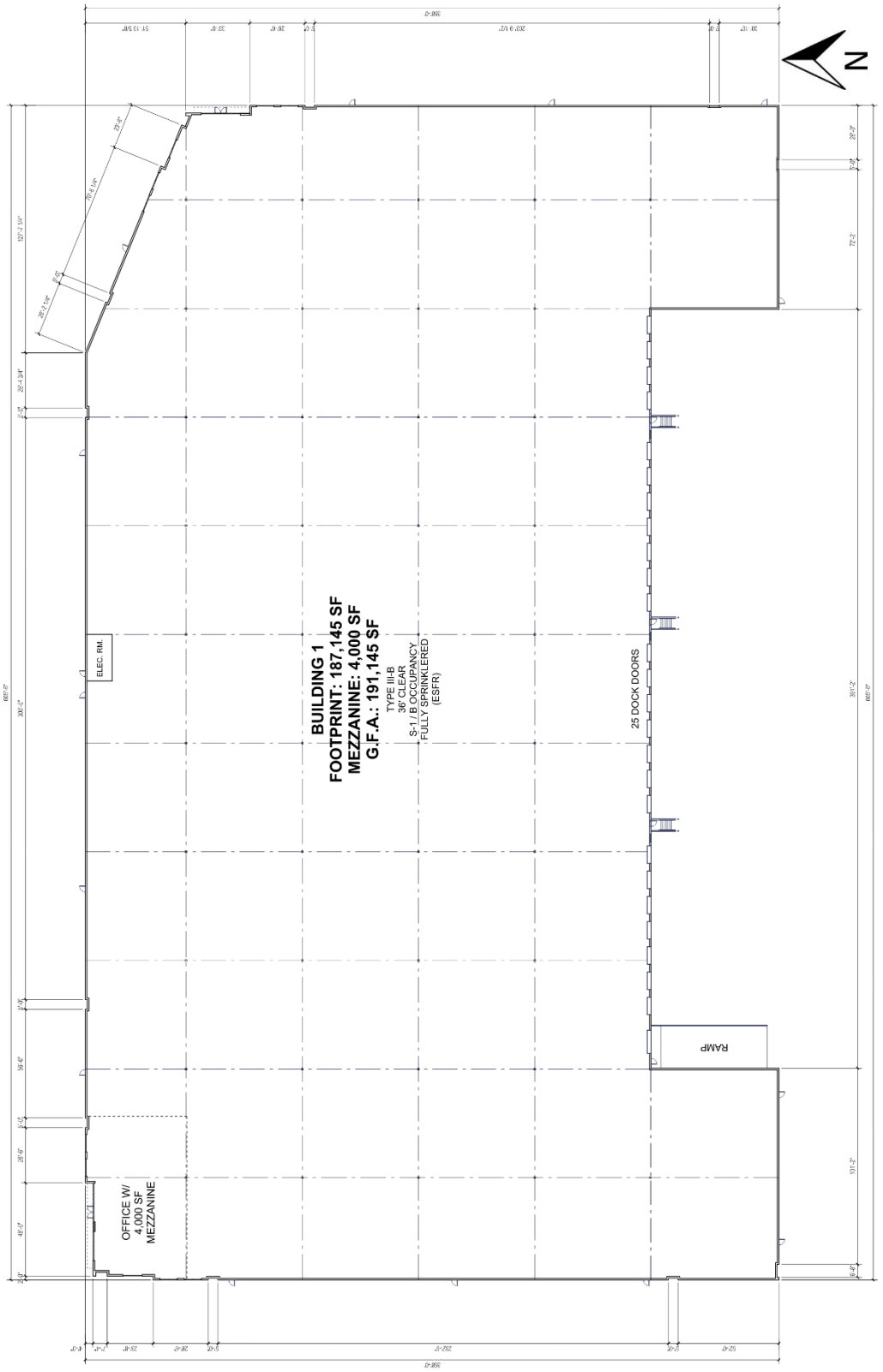


Exhibit D: FLOOR PLANS CONTINUED

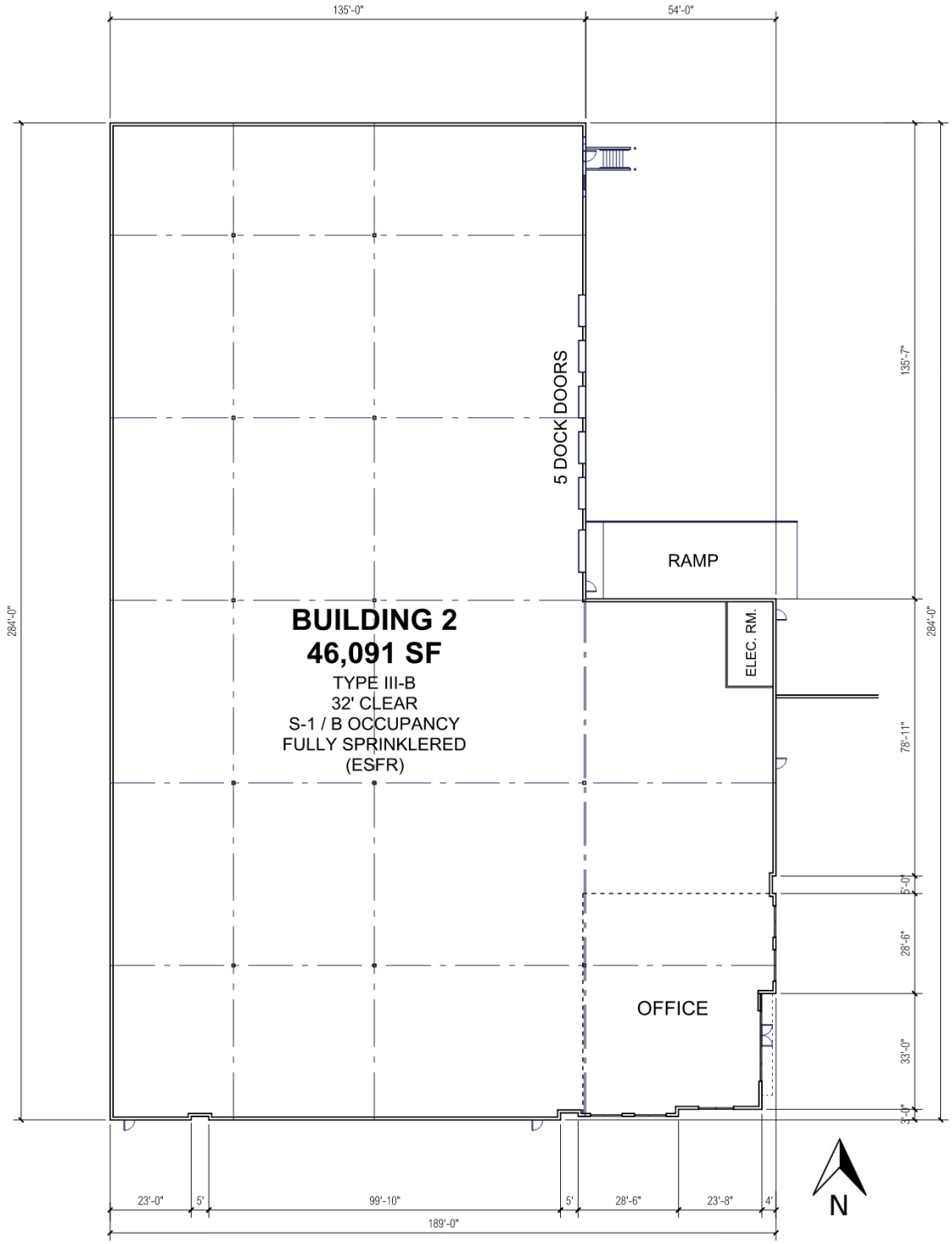


Exhibit E: EXTERIOR ELEVATIONS

Building 1

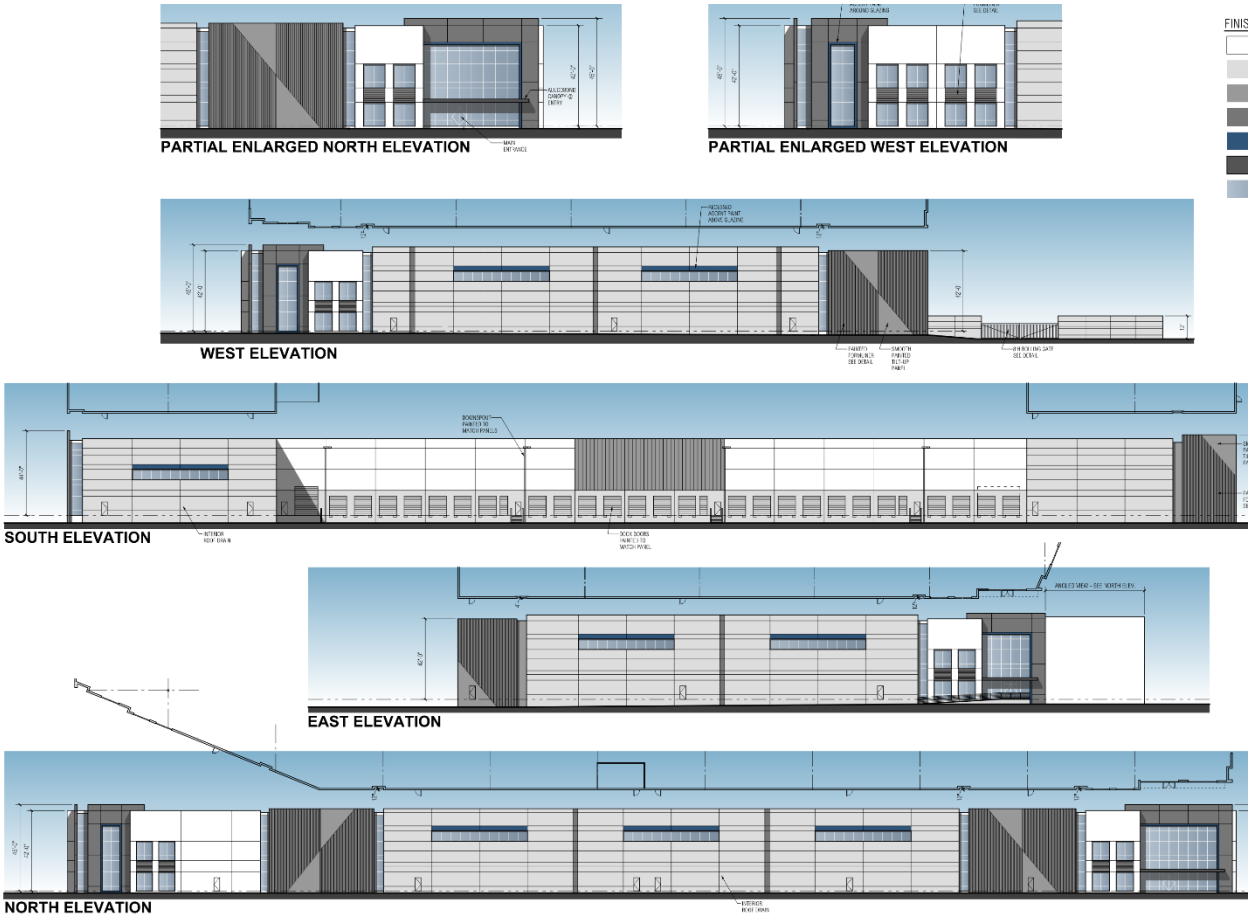
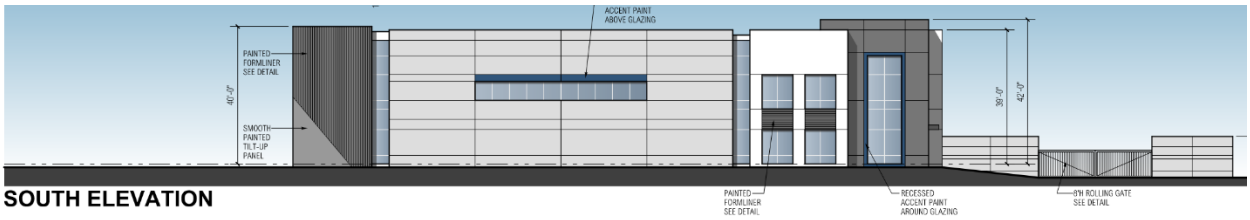
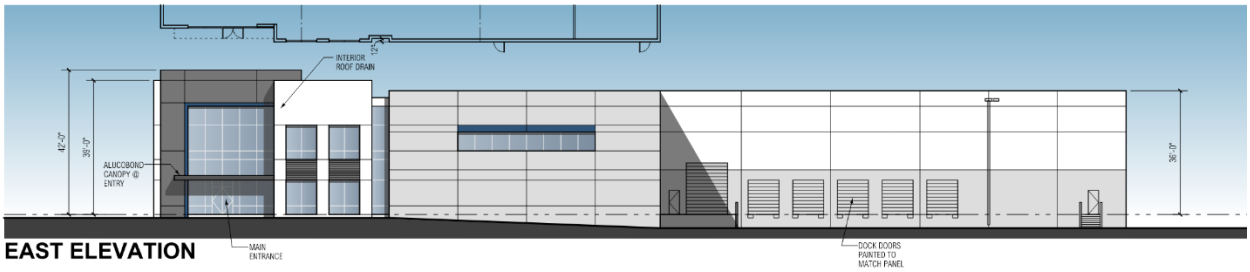


Exhibit E: EXTERIOR ELEVATIONS CONTINUED

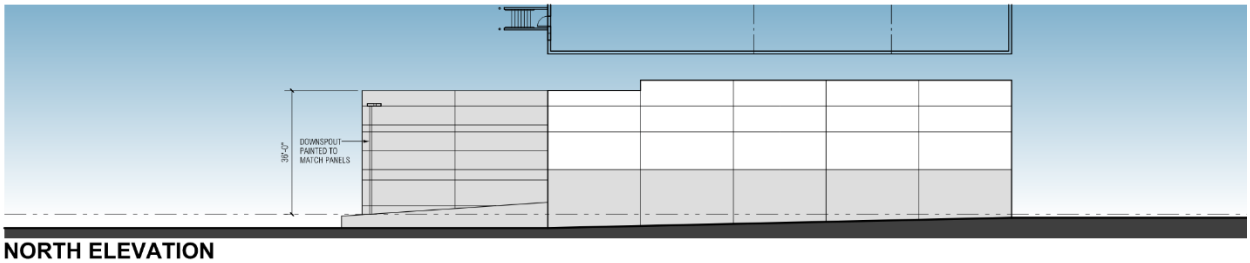
Building 2



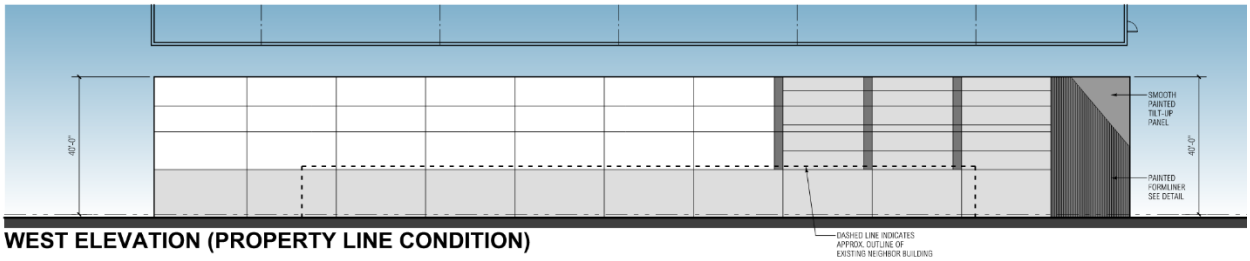
SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION



WEST ELEVATION (PROPERTY LINE CONDITION)

Exhibit F: ALLOWABLE BUILDING HEIGHTS

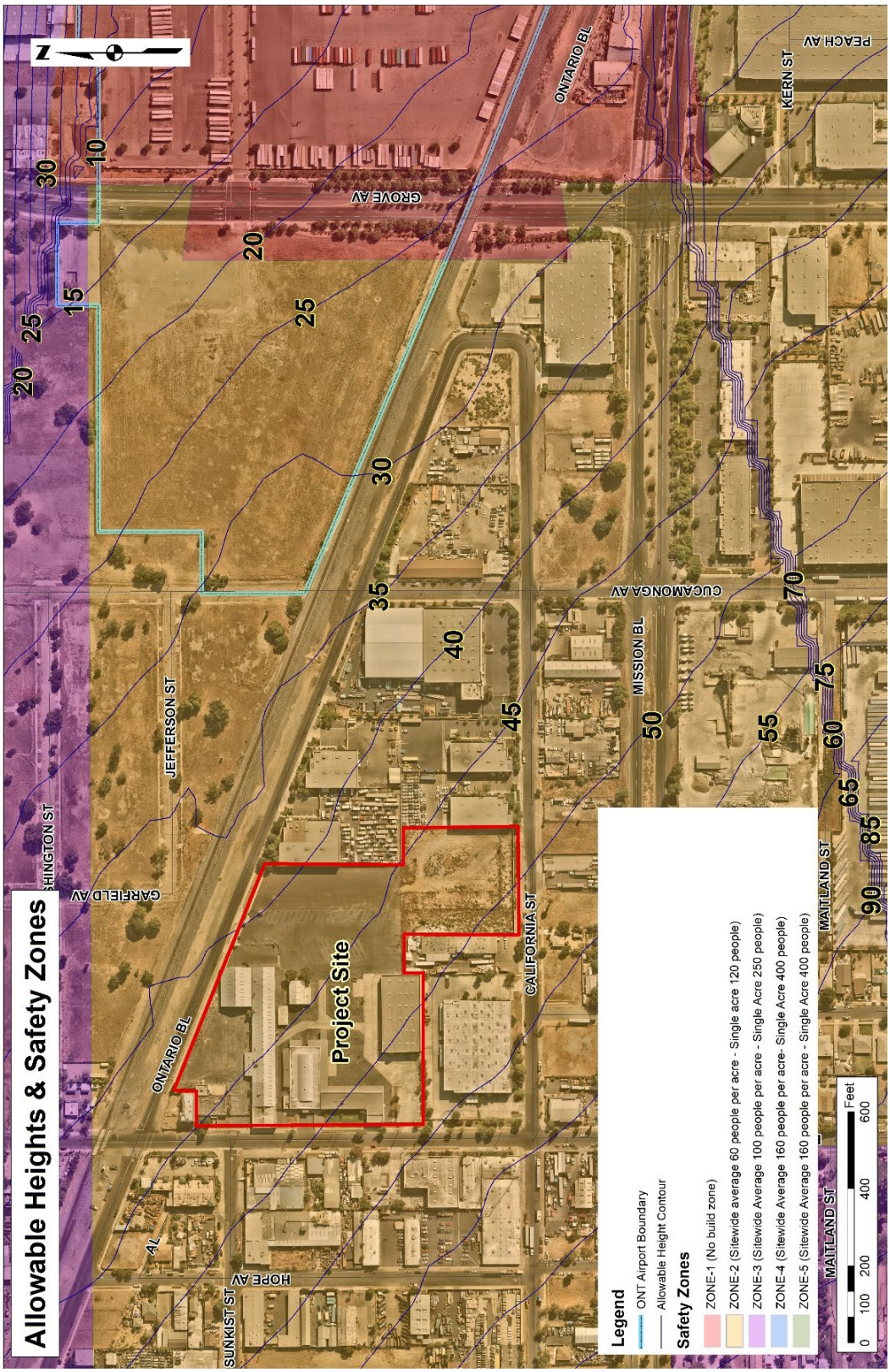


Exhibit G: CONCEPTUAL LANDSCAPE PLAN

Attachment A: Conditions of Approval

(Conditions of Approval follow this page)

LAND DEVELOPMENT DIVISION CONDITIONS OF APPROVAL

303 East B Street, Ontario, California 91764 Phone: 909.395.2036 / Fax: 909.395.2420

Date Prepared: 2/9/2023

File No: PMTT22-017 (TPM 20582)

Related Files: PDEV22-025

Project Description: A Tentative Parcel Map (File No. PMTT22-017, Map No. 20582) to subdivide 10.05 acres of land into two parcels, to facilitate a Development Plan (File No. PDEV22-025) to raze six existing industrial buildings totaling 77,696 square feet and construct two industrial buildings totaling 237,236 square feet, on property located at 627 South Bon View Avenue, 954 East Ontario Boulevard, and 1031 East California Street within the IG (General Industrial) zoning district; (APN: 1049-181-14); **submitted by WPT Capital Advisors, LLC.**

Prepared By: Alexis Vaughn, Associate Planner
Phone: 909.395.2416 (direct)
Email: avaughn@ontarioca.gov

The Planning Department, Land Development Section, conditions of approval applicable to the above-described Project, are listed below. The Project shall comply with each condition of approval listed below:

1.0 Standard Conditions of Approval. The project shall comply with the *Standard Conditions for New Development*, adopted by City Council Resolution No. 2017-027 on April 18, 2017. A copy of the *Standard Conditions for New Development* may be obtained from the Planning Department or City Clerk/Records Management Department.

2.0 Special Conditions of Approval. In addition to the *Standard Conditions for New Development* identified in condition no. 1.0, above, the project shall comply with the following special conditions of approval:

2.1 Time Limits.

(a) Tentative Parcel Map approval shall become null and void 2 years following the effective date of application approval, unless the final parcel map has been recorded, or a time extension has been approved by the Planning Commission pursuant to Development Code Section 2.02.025 (Time Limits and Extensions). This Permit does not supersede any individual time limits specified herein for performance of specific conditions or improvements.

2.2 Subdivision Map.

(a) The Final Parcel Map shall be in conformance with the approved Tentative Parcel Map on file with the City. Variations from the approved Tentative Parcel Map may be reviewed and approved by the Planning Department. A substantial variation from the approved

Tentative Parcel Map may require review and approval by the Planning Commission, as determined by the Planning Director.

(b) Tentative Parcel Map approval shall be subject to all conditions, requirements and recommendations from all other departments/agencies provided on the attached reports/memorandums.

(c) Pursuant to California Government Section 66474.9, the subdivider agrees that it will defend, indemnify, and hold harmless the City of Ontario or its agents, officers and employees from any claim, action or proceeding against the City of Ontario or its agents, officers or employees to attack, set aside, void or annul any approval of the City of Ontario, whether by its City Council, Planning Commission or other authorized board or officer of this subdivision, which action is brought within the time period provided for in Government Code Section 66499.37. The City of Ontario shall promptly notify the subdivider of any such claim, action or proceeding and the City of Ontario shall cooperate fully in the defense.

2.3 General Requirements. The Project shall comply with the following general requirements:

(a) All construction documentation shall be coordinated for consistency, including, but not limited to, architectural, structural, mechanical, electrical, plumbing, landscape and irrigation, grading, utility and street improvement plans. All such plans shall be consistent with the approved entitlement plans on file with the Planning Department.

(b) The project site shall be developed in conformance with the approved plans on file with the City. Any variation from the approved plans must be reviewed and approved by the Planning Department prior to building permit issuance.

(c) The herein-listed conditions of approval from all City departments shall be included in the construction plan set for project, which shall be maintained on site during project construction.

2.4 Environmental Requirements.

(a) If human remains are found during project grading/excavation/construction activities, the area shall not be disturbed until any required investigation is completed by the County Coroner and Native American consultation has been completed (if deemed applicable).

(b) If any archeological or paleontological resources are found during project grading/excavation/construction, the area shall not be disturbed until the significance of the resource is determined. If determined to be significant, the resource shall be recovered by a qualified archeologist or paleontologist consistent with current standards and guidelines, or other appropriate measures implemented.

2.5 Indemnification. The applicant shall agree to defend, indemnify and hold harmless, the City of Ontario or its agents, officers, and employees from any claim, action or proceeding against the City of Ontario or its agents, officers or employees to attack, set aside, void or annul any approval of the City of Ontario, whether by its City Council, Planning Commission or other

authorized board or officer. The City of Ontario shall promptly notify the applicant of any such claim, action or proceeding, and the City of Ontario shall cooperate fully in the defense.

2.6 Additional Fees.

(a) Within 5 days following final application approval, the Notice of Determination ("NOD") filing fee shall be provided to the Planning Department. The fee shall be paid by check, made payable to the "Clerk of the Board of Supervisors", which shall be forwarded to the San Bernardino County Clerk of the Board of Supervisors, along with all applicable environmental forms/notices, pursuant to the requirements of the California Environmental Quality Act ("CEQA"). failure to provide said fee within the time specified will result in the extension of the statute of limitations for the filing of a CEQA lawsuit from 30 days to 180 days.

(b) After the Project's entitlement approval, and prior to issuance of final building permits, the Planning Department's Plan Check and Inspection fees shall be paid at the rate established by resolution of the City Council.

2.7 Related Applications. Tentative Parcel Map approval shall not be final and complete until such time that related File No. PDEV22-025 has been approved by the Planning Commission.

LAND DEVELOPMENT DIVISION CONDITIONS OF APPROVAL

CITY OF ONTARIO PLANNING DEPARTMENT
303 East B Street, Ontario, California 91764 Phone: 909.395.2036 / Fax: 909.395.2420

Date Prepared: 2/9/2023

File No: PDEV22-025

Related Files: PMTT22-017 (TPM 20582)

Project Description: A Development Plan (File No. PDEV22-025) to raze six existing industrial buildings totaling 77,696 square feet and construct two industrial buildings totaling 237,236 square feet, in conjunction with a Tentative Parcel Map (File No. PMTT22-017) to subdivide 10.05 acres of land into two parcels, on property located at 605, 621, and 627 South Bon View Avenue, 954 East Ontario Boulevard, and 1031 East California Street within the IG (General Industrial) zoning district; (APN: 1049-181-14); **submitted by WPT Capital Advisors, LLC.**

Prepared By: Alexis Vaughn, Associate Planner
Phone: 909.395.2416 (direct)
Email: avaughn@ontarioca.gov

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1.0 Standard Conditions of Approval. The project shall comply with the *Standard Conditions for New Development*, adopted by City Council Resolution No. 2017-027 on April 18, 2017. A copy of the *Standard Conditions for New Development* may be obtained from the Planning Department or City Clerk/Records Management Department.

2.0 Special Conditions of Approval. In addition to the *Standard Conditions for New Development* identified in condition no. 1.0, above, the project shall comply with the following special conditions of approval:

2.1 Time Limits.

(a) Development Plan approval shall become null and void 2 years following the effective date of application approval, unless a building permit is issued and construction is commenced, and diligently pursued toward completion, or a time extension has been approved by the Planning Director. This condition does not supersede any individual time limits specified herein, or any other departmental conditions of approval applicable to the Project, for the performance of specific conditions or improvements.

2.2 General Requirements. The Project shall comply with the following general requirements:

(a) All construction documentation shall be coordinated for consistency, including, but not limited to, architectural, structural, mechanical, electrical, plumbing, landscape

and irrigation, grading, utility and street improvement plans. All such plans shall be consistent with the approved entitlement plans on file with the Planning Department.

(b) The project site shall be developed in conformance with the approved plans on file with the City. Any variation from the approved plans must be reviewed and approved by the Planning Department prior to building permit issuance.

(c) The herein-listed conditions of approval from all City departments shall be included in the construction plan set for project, which shall be maintained on site during project construction.

2.3 Landscaping.

(a) The Project shall provide and continuously maintain landscaping and irrigation systems in compliance with the provisions of Ontario Development Code Division 6.05 (Landscaping).

(b) Comply with the conditions of approval of the Planning Department; Landscape Planning Division.

(c) Landscaping shall not be installed until the Landscape and Irrigation Construction Documentation Plans required by Ontario Development Code Division 6.05 (Landscaping) have been approved by the Landscape Planning Division.

(d) Changes to approved Landscape and Irrigation Construction Documentation Plans, which affect the character or quantity of the plant material or irrigation system design, shall be resubmitted for approval of the revision by the Landscape Planning Division, prior to the commencement of the changes.

(e) All exterior stairwells shall be treated to match the building and screened with appropriate plantings.

2.4 Walls and Fences. All Project walls and fences shall comply with the requirements of Ontario Development Code Division 6.02 (Walls, Fences and Obstructions).

2.5 Parking, Circulation and Access.

(a) The Project shall comply with the applicable off-street parking, loading and lighting requirements of City of Ontario Development Code Division 6.03 (Off-Street Parking and Loading).

(b) All drive approaches shall be provided with an enhanced pavement treatment. The enhanced paving shall extend from the back of the approach apron, into the site, to the first intersecting drive aisle or parking space. All construction documentation shall clearly illustrate where the paving is to be installed and provide color and material information in the site legend.

(c) Areas provided to meet the City's parking requirements, including off-street parking and loading spaces, access drives, and maneuvering areas, shall not be used for the

outdoor storage of materials and equipment, nor shall it be used for any other purpose than parking.

(d) The required number of off-street parking spaces and/or loading spaces shall be provided at the time of site and/or building occupancy. All parking and loading spaces shall be maintained in good condition for the duration of the building or use.

(e) Parking spaces specifically designated and conveniently located for use by the physically disabled shall be provided pursuant to current accessibility regulations contained in State law (CCR Title 24, Part 2, Chapters 2B71, and CVC Section 22507.8).

(f) Bicycle parking facilities, including bicycle racks, lockers, and other secure facilities, shall be provided in conjunction with development projects pursuant to current regulations contained in CALGreen (CAC Title 24, Part 11). Final design and placement of bicycle parking facilities shall be subject to Planning Department review and approval.

2.6 Outdoor Loading and Storage Areas.

(a) Loading facilities shall be designed and constructed pursuant to Development Code Division 6.03 (Off-Street Parking and Loading).

(b) Areas designated for off-street parking, loading, and vehicular circulation and maneuvering, shall not be used for the outdoor storage of materials or equipment.

(c) Outdoor loading and storage areas, and loading doors, shall be screened from public view pursuant to the requirements of Development Code Paragraph 6.02.025.A.2 (Screening of Outdoor Loading and Storage Areas, and Loading Doors) Et Seq.

(d) Outdoor loading and storage areas shall be provided with gates that are view-obstructing by one of the following methods:

(i) Construct gates with a perforated metal sheet affixed to the inside of the gate surface (50 percent screen); or
(ii) Construct gates with minimum one-inch square tube steel pickets spaced at maximum 2-inches apart.

(e) The minimum gate height for screen wall openings shall be established based upon the corresponding wall height, as follows:

Screen Wall Height	***Minimum Gate Height***
14 feet:	10 feet
12 feet:	9 feet
10 feet:	8 feet
8 feet:	8 feet
6 feet:	6 feet

2.7 Site Lighting.

(a) All off-street parking facilities shall be provided with nighttime security lighting pursuant to Ontario Municipal Code Section 4-11.08 (Special Residential Building Provisions) and Section 4-11.09 (Special Commercial/Industrial Building Provisions), designed to confine emitted light to the parking areas. Parking facilities shall be lighted from sunset until sunrise, daily, and shall be operated by a photocell switch.

(b) Unless intended as part of a master lighting program, no operation, activity, or lighting fixture shall create illumination on any adjacent property.

2.8 Mechanical and Rooftop Equipment.

(a) All exterior roof-mounted mechanical, heating and air conditioning equipment, and all appurtenances thereto, shall be completely screened from public view by parapet walls or roof screens that are architecturally treated so as to be consistent with the building architecture.

(b) All ground-mounted utility equipment and structures, such as tanks, transformers, HVAC equipment, and backflow prevention devices, shall be located out of view from a public street, or adequately screened through the use of landscaping and/or decorative low garden walls.

2.9 Security Standards. The Project shall comply with all applicable requirements of Ontario Municipal Code Title 4 (Public Safety), Chapter 11 (Security Standards for Buildings).

2.10 Signs.

(a) All Project signage shall comply with the requirements of Ontario Development Code Division 8.1 (Sign Regulations).

2.11 Sound Attenuation. The Project shall be constructed and operated in a manner so as not to exceed the maximum interior and exterior noised levels set forth in Ontario Municipal Code Title 5 (Public Welfare, Morals, and Conduct), Chapter 29 (Noise).

2.12 Environmental Requirements.

(a) If human remains are found during project grading/excavation/construction activities, the area shall not be disturbed until any required investigation is completed by the County Coroner and Native American consultation has been completed (if deemed applicable).

(b) If any archeological or paleontological resources are found during project grading/excavation/construction, the area shall not be disturbed until the significance of the resource is determined. If determined to be significant, the resource shall be recovered by a qualified archeologist or paleontologist consistent with current standards and guidelines, or other appropriate measures implemented.

(c) During construction of the proposed project, the Project contractor shall ensure all off-road diesel-powered construction equipment of 50 horsepower or more used for

construction at a minimum meets the California Air Resources Board Tier 2 emissions standards equipped with Level 3 diesel particulate filters or the equivalent.

(d) Vegetation removal should be conducted outside of the nesting season for migratory birds to avoid direct impacts. If vegetation removal will occur during the migratory bird nesting season, between February 1 and September 15, pre-construction nesting bird surveys shall be performed within three days prior to vegetation removal. If active nests are found during nesting bird surveys, they shall be flagged. A 250-foot buffer shall be fenced around songbird nests and a 500-foot buffer shall be fenced around raptor nests.

(e) Pursuant to the requirements of Mitigation Measure 5-2 of The Ontario Plan 2050 Mitigation Monitoring and Reporting Program, prior to the issuance of a grading permit or any ground disturbing activities, the applicant/developer shall submit to the Planning Department for Planning Director review and approval, a Paleontological Resources Technical Report that documents the presence/absence of paleontological resources on the Project site and establishes measures to be implemented to reduce impacts of the Project to any paleontological resources during excavation activities or any other ground disturbing activities on the Project site.

(f) Any site development or earthwork activities in the vicinity of the former tank system location on the 621 South Bon View property shall be performed under supervision of an environmental professional.

(g) The project contractor shall implement all applicable mitigation measures as listed in TOP 2050 SEIR during construction of the project as relate to noise and vibration, in particular Mitigation Measures 12-4 and 12-2 (as listed on pages 24-25 and 27, respectively, of the LSA Noise and Vibration Impact Analysis, November 2022, attached to the Project's DAB and Planning Commission agenda reports).

2.13 Indemnification. The applicant shall agree to defend, indemnify and hold harmless, the City of Ontario or its agents, officers, and employees from any claim, action or proceeding against the City of Ontario or its agents, officers or employees to attack, set aside, void or annul any approval of the City of Ontario, whether by its City Council, Planning Commission or other authorized board or officer. The City of Ontario shall promptly notify the applicant of any such claim, action or proceeding, and the City of Ontario shall cooperate fully in the defense.

2.14 Additional Fees.

(a) Within 5 days following final application approval, the Notice of Determination ("NOD") filing fee shall be provided to the Planning Department. The fee shall be paid by check, made payable to the "Clerk of the Board of Supervisors", which shall be forwarded to the San Bernardino County Clerk of the Board of Supervisors, along with all applicable environmental forms/notices, pursuant to the requirements of the California Environmental Quality Act ("CEQA"). Failure to provide said fee within the time specified will result in the extension of the statute of limitations for the filing of a CEQA lawsuit from 30 days to 180 days.

(b) After the Project's entitlement approval, and prior to issuance of final building permits, the Planning Department's Plan Check and Inspection fees shall be paid at the rate established by resolution of the City Council.

2.15 Related Applications. Development Plan approval shall not be final and complete until such time that related File No. PMTT22-017 has been approved by the Planning Commission.

2.16 Public Art. The Project is subject to the requirements of the City's Public Art Ordinance (Ontario Municipal Code Section 5-33.05. Private Art for Public Enjoyment in Commercial and Industrial Development Projects).

2.17 Final Occupancy. The Project Architect of record will certify that construction of each building site and the exterior elevations of each structure shall be completed in compliance with the approved plans. Any deviation to approved plans shall require a resubmittal to the Planning Department for review and approval prior to construction. The Occupancy Release Request form/Architect Certificate of Compliance shall be provided prior to final occupancy. After the receipt of this Certification, the Planning Department will conduct a final site and exterior elevations inspection. The Owner's Representative and Contractor shall be present.

ENGINEERING DEPARTMENT
CONDITIONS OF APPROVAL

(Engineering Services Division [Land Development Section and Environmental Section], Traffic & Transportation Division, Ontario Municipal Utilities Company and Broadband Operations & Investment and Revenue Resources Department Conditions incorporated)

☒ DEVELOPMENT PLAN ☐ OTHER	☒ PARCEL MAP ☐ TRACT MAP ☐ FOR CONDOMINIUM PURPOSES
PROJECT FILE NO. PM-20582 **RELATED FILE NO(S). PMTT22-017, PDEV22-025**	
☒ **ORIGINAL** ☐ REVISED: __/__/__	

CITY PROJECT ENGINEER & PHONE NO:	**Angela Truong, P.E.**	**(909) 395-2134**
CITY PROJECT PLANNER & PHONE NO:	**Alexis Vaughn**	**(909) 395-2416**
DAB MEETING DATE:	**March 6, 2023**	
PROJECT NAME / DESCRIPTION:	**PM-20582, a Parcel Map to subdivide 10.05 acres of land into 2 parcels within the IG (General Industrial) zoning district (APN(s): 1049-181-14-0000). Related File(s): PDEV22-025.**	
LOCATION:	**627 South Bon View Avenue**	
APPLICANT:	**WPT Capital Advisors, LLC**	
REVIEWED BY:	Raymond Lee **Raymond Lee, P.E.** **Assistant City Engineer**	2/14/23 **Date**
APPROVED BY:	 **Khoi Do, P.E.** **City Engineer**	2.15.23 **Date**

Last Revised: 2/14/2023

THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS SET FORTH IN THE GENERAL STANDARD CONDITIONS OF APPROVAL ADOPTED BY THE CITY COUNCIL (RESOLUTION NO. 2017-027) AND THE PROJECT SPECIFIC CONDITIONS OF APPROVAL SPECIFIED HEREIN. ONLY APPLICABLE CONDITIONS OF APPROVAL ARE CHECKED. THE APPLICANT SHALL BE RESPONSIBLE FOR THE COMPLETION OF ALL APPLICABLE CONDITIONS OF APPROVAL PRIOR TO FINAL MAP OR PARCEL MAP APPROVAL, ISSUANCE OF PERMITS AND/OR OCCUPANCY CLEARANCE, AS SPECIFIED IN THIS REPORT.

1. PRIOR TO FINAL MAP OR PARCEL MAP APPROVAL, APPLICANT SHALL:

			Check When Complete
☐	1.01	Dedicate to the City of Ontario, the right-of-way, described below: _____ feet on _____ Property line corner 'cut-back' required at the intersection of _____ and _____.	☐
☐	1.02	Dedicate to the City of Ontario, the following easement(s): _____ _____	☐
☐	1.03	Restrict vehicular access to the site as follows: _____	☐
☒	**1.04**	**Vacate the following street(s) and/or easement(s):** **a. All interfering on-site easements shall be quitclaimed, vacated, and/or submit non-interference letter from affected owner/utility company.** **b. All sewer public utility easements associated with the abandonment of onsite sewer main. See Exhibit B for Sewer Conditions of Approval from OMUC.**	☐
☐	1.05	Submit a copy of a recorded private reciprocal use agreement or easement. The agreement or easement shall ensure, at a minimum, common ingress and egress and joint maintenance of all common access areas and drive aisles.	☐
☐	1.06	Provide (original document) Covenants, Conditions and Restrictions (CC&Rs) as applicable to the project and as approved by the City Attorney and the Engineering and Planning Departments, ready for recordation with the County of San Bernardino. The CC&Rs shall provide for, but not be limited to, common ingress and egress, joint maintenance responsibility for all common access improvements, common facilities, parking areas, utilities, median and landscaping improvements and drive approaches, in addition to maintenance requirements established in the Water Quality Management Plan (WQMP), as applicable to the project. The CC&Rs shall also address the maintenance and repair responsibility for public improvements/utilities (sewer, water, storm drain, recycled water, etc.) located within open space/easements. In the event of any maintenance or repair of these facilities, the City shall only restore disturbed areas to current City Standards.	☐
☐	1.07	For all development occurring south of the Pomona Freeway (60-Freeway) and within the specified boundary limits (per Boundary Map found at *http://tceplumecleanup.com/*), the property developer/owner is made aware of the South Archibald Trichloroethylene (TCE) Plume "Disclosure Letter". Property owner may wish to provide this Letter as part of the Real Estate Transfer Disclosure requirements under California Civil Code Section 1102 et seq. This may include notifications in the Covenants, Conditions and Restrictions (CC&Rs) or other documents related to property transfer and disclosures. Additional information on the plume is available from the Santa Ana Regional Water Quality Control Board at *http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000004658.*	☐
☐	1.08	File an application for Reapportionment of Assessment, together with payment of a reapportionment processing fee, for each existing assessment district listed below. Contact the Financial Services Department at (909) 395-2124 regarding this requirement. (1) _____ (2) _____	☐
☒	**1.09**	**Prepare a fully executed Subdivision Agreement (on City approved format and forms) with accompanying security as required, or complete all public improvements.**	☐

☒ **1.10** **Provide a monument bond (i.e. cash deposit) in an amount calculated by the City's approved cost estimate spreadsheet (available for download on the City's website: www.ontarioca.gov) or as specified in writing by the applicant's Registered Engineer or Licensed Land Surveyor of Record and approved by the City Engineer, whichever is greater.** ☐

☒ **1.11** **Provide a preliminary title report current to within 30 days.** ☐

☐ 1.12 File an application, together with an initial deposit (if required), to establish a Community Facilities District (CFD) pursuant to the Mello-Roos Community Facilities District Act of 1982. The application and fee shall be submitted a minimum of four (4) months prior to final subdivision map approval, and the CFD shall be established prior to final subdivision map approval or issuance of building permits, whichever occurs first. The CFD shall be established upon the subject property to provide funding for various City services. An annual special tax shall be levied upon each parcel or lot in an amount to be determined. The special tax will be collected along with annual property taxes. The City shall be the sole lead agency in the formation of any CFD. Contact Investment and Revenue Resources at (909) 395-2341 to initiate the CFD application process. ☐

☐ 1.13 Ontario Ranch Developments: ☐

☐ 1) Provide evidence of final cancellation of Williamson Act contracts associated with this tract, prior to approval of any final subdivision map. Cancellation of contracts shall have been approved by the City Council.

☐ 2) Provide evidence of sufficient storm water capacity availability equivalents (Certificate of Storm Water Treatment Equivalents).

☐ 3) Provide evidence of sufficient water availability equivalents (Certificate of Net MDD Availability).

☐ 1.14 Other conditions: _____ ☐

2. PRIOR TO ISSUANCE OF ANY PERMITS, APPLICANT SHALL:

A. GENERAL
(Permits includes Grading, Building, Demolition and Encroachment)

☒ **2.01** **Record Parcel Map No. 20582 pursuant to the Subdivision Map Act and in accordance with the City of Ontario Municipal Code.** ☐

☒ **2.02** **Submit a PDF of the recorded map to the City Engineer's office.** ☐

☐ 2.03 Note that the subject parcel is a recognized parcel in the City of Ontario per_____. ☐

☐ 2.04 Note that the subject parcel is an 'unrecognized' parcel in the City of Ontario and shall require a Certificate of Compliance to be processed unless a deed is provided confirming the existence of the parcel prior to the date of March 4, 1972. ☐

☐ 2.05 Apply for a: ☐

☐ Certificate of Compliance with a Record of Survey;

☐ Lot Line Adjustment (Record a Conforming Deed with the County of San Bernardino within six months of the recordation of the Lot Line Adjustment to conform the new LLA legal description. Submit a copy of the recorded Conforming Deed to the Engineering Department.);

☐ Make a Dedication of Easement.

☐ 2.06 Provide (original document) Covenants, Conditions and Restrictions (CC&R's), as applicable to the project, and as approved by the City Attorney and the Engineering and Planning Departments, ready for recordation with the County of San Bernardino. The CC&R's shall provide for, but not be limited to, common ingress and egress, joint maintenance of all common access improvements, common facilities, parking areas, utilities and drive approaches in addition to maintenance requirements established in the Water Quality Management Plan (WQMP), as applicable to the project. ☐

☐ 2.07 For all development occurring south of the Pomona Freeway (60-Freeway) and within the specified boundary limits (per Boundary Map found at http://tceplumecleanup.com/), the property developer/owner is made aware of the South Archibald Trichloroethylene (TCE) Plume "Disclosure Letter". Property owner may wish to provide this Letter as part of the Real Estate Transfer Disclosure requirements under California Civil Code Section 1102 et seq. This may include notifications in the Covenants, Conditions and Restrictions (CC&Rs) or other documents related to property transfer and disclosures. Additional information on the plume is available from the Santa Ana Regional Water Quality Control Board at http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000004658. ☐

☒ **2.08 Submit a soils/geology report.** ☐

☐ 2.09 Other Agency Permit/Approval: Submit a copy of the approved permit and/or other form of approval of the project from the following agency or agencies: ☐

- ☐ State of California Department of Transportation (Caltrans)
- ☐ San Bernardino County Road Department (SBCRD)
- ☐ San Bernardino County Flood Control District (SBCFCD)
- ☐ Federal Emergency Management Agency (FEMA)
- ☐ Cucamonga Valley Water District (CVWD) for sewer/water service
- ☐ United States Army Corps of Engineers (USACE)
- ☐ California Department of Fish & Game
- ☐ Inland Empire Utilities Agency (IEUA)
- ☐ Other: _____

☐ 2.10 Dedicate to the City of Ontario the right-of-way described below: ☐

_____ feet on _____

Property line corner 'cut-back' required at the intersection of _____ and _____.

☐ 2.11 Dedicate to the City of Ontario the following easement(s):_____ ☐

_____

☐ 2.12 Vacate the following street(s) and/or easement(s): ☐

A. All interfering on-site easements shall be quitclaimed, vacated, and/or submit non-interference letter from affected owner/utility company.

☐ 2.13 Ontario Ranch Developments: ☐

☐ 1) Submit a copy of the permit from the San Bernardino County Health Department to the Engineering Department and the Ontario Municipal Utilities Company (OMUC) for the destruction/abandonment of the on-site water well. The well shall be destroyed/abandoned in accordance with the San Bernardino County Health Department guidelines.

☐ 2) Make a formal request to the City of Ontario Engineering Department for the proposed temporary use of an existing agricultural water well for purposes other than agriculture, such as grading, dust control, etc. Upon approval, the Applicant shall enter into an agreement with the City of Ontario and pay any applicable fees as set forth by said agreement.

☐ 3) Design proposed retaining walls to retain up to a maximum of three (3) feet of earth. In no case shall a wall exceed an overall height of nine (9) feet (i.e. maximum 6-foot high wall on top of a maximum 3-foot high retaining wall.

☐ 2.14 Submit a security deposit to the Engineering Department to guarantee construction of the public improvements required herein valued at 100% of the approved construction cost estimate. Security deposit shall be in accordance with the City of Ontario Municipal Code. Security deposit will be eligible for release, in accordance with City procedure, upon completion and acceptance of said public ☐

improvements.

☒ **2.15** **The applicant/developer shall submit all necessary survey documents prepared by a Licensed Surveyor registered in the State of California detailing all existing survey monuments in and around the project site. These documents are to be reviewed and approved by the City Survey Office.** ☐

☒ **2.16** **Pay all Development Impact Fees (DIF) to the Building Department. Storm Drain Development Impact Fee, approximately $237,710.47, shall be paid to the Building Department. Final fee shall be determined based on the approved site plan and the DIF rate at the time of payment.** ☐

☐ 2.17 Other conditions: _____ ☐

B. PUBLIC IMPROVEMENTS
(See attached Exhibit 'A' for plan check submittal requirements.)

☒ 2.18 **Design and construct full public improvements in accordance with the City of Ontario Municipal Code, current City standards and specifications, master plans and the adopted specific plan for the area, if any. These public improvements shall include, but not be limited to, the following (checked boxes):** ☐

Improvement	Bon View Ave	Ontario Blvd	California St
Curb and Gutter	☒ **New; 18 ft. from C/L** ☐ Replace damaged ☐ Remove and replace	☐ New; ___ ft. from C/L ☐ Replace damaged ☐ Remove and replace	☒ **New; 18 ft. from C/L** ☐ Replace damaged ☐ Remove and replace
AC Pavement	☐ Replacement ☐ Widen ____ additional feet along frontage, including pavm't Transitions ☒ **See 2.19, 2.20, 2.22**	☐ Replacement ☐ Widen ____ additional feet along frontage, including pavm't Transitions ☒ **See 2.20**	☐ Replacement ☒ **Widen 10 additional feet along frontage, including pavm't Transitions** ☒ **See 2.19, 2.21**
PCC Pavement (Truck Route Only)	☐ New ☐ Modify existing	☐ New ☐ Modify existing	☐ New ☐ Modify existing
Drive Approach	☒ **New** ☒ **Remove and replace with full height curb, parkway landscape, and sidewalk**	☒ **New** ☒ **Remove and replace with full height curb, parkway landscape, and sidewalk**	☒ **New** ☐ Remove and replace
Sidewalk	☐ New ☒ **Replace damaged**	☐ New ☒ **Replace damaged**	☒ **New** ☐ Remove and replace
ADA Access Ramp	☒ **New, See 2.20** ☐ Remove and replace	☒ **New, See 2.20** ☐ Remove and replace	☒ **New** ☐ Remove and replace
Parkway	☒ **Trees** ☒ **Landscaping (w/irrigation)**	☒ **Trees** ☒ **Landscaping (w/irrigation)**	☒ **Trees** ☒ **Landscaping (w/irrigation)**

Raised Landscaped Median	☐ New ☐ Remove and replace	☐ New ☐ Remove and replace	☐ New ☐ Remove and replace
Fire Hydrant	☒ **New / Upgrade (2)** ☐ Relocation	☒ **New / Upgrade (2)** ☐ Relocation	☒ **New / Upgrade (2)** ☐ Relocation
Sewer (see Sec. 2.C)	☒ **Main** ☒ **Lateral**	☐ Main ☐ Lateral	☐ Main ☒ **Lateral**
Water (see Sec. 2.D)	☐ Main ☒ **Service**	☒ **Main** ☒ **Service**	☐ Main ☒ **Service**
Recycled Water (see Sec. 2.E)	☐ Main ☐ Service	☐ Main ☐ Service	☐ Main ☐ Service
Traffic Signal System (see Sec. 2.F)	☐ New ☒ **Modify Existing at Bon View Avenue and Mission Boulevard**	☐ New ☐ Modify existing	☐ New ☐ Modify existing
Traffic Signing and Striping (see Sec. 2.F)	☒ **New** ☒ **Modify Existing**	☒ **New** ☐ Modify existing	☒ **New** ☐ Modify existing
Street Light (see Sec. 2.F)	☒ **New / Upgrade** ☐ Relocation	☒ **New / Upgrade** ☐ Relocation	☒ **New / Upgrade** ☐ Relocation
Bus Stop Pad or Turn-out (see Sec. 2.F)	☐ New ☐ Modify existing	☐ New ☐ Modify existing	☐ New ☐ Modify existing
Storm Drain (see Sec. 2G)	☐ Main ☐ Lateral	☐ Main ☐ Lateral	☐ Main ☐ Lateral
Fiber Optics (see Sec. 2K)	☒ **Conduit / Appurtenances**	☒ **Conduit / Appurtenances**	☐ Conduit / Appurtenances
Overhead Utilities	☐ Underground ☒ **Relocate, see 2.22**	☐ Underground ☐ Relocate	☐ Underground ☐ Relocate

Specific notes for improvements listed in item no. 2.17, above:_____

☒ **2.19** **Construct a 2" asphalt concrete (AC) grind and overlay from street centerline to curb/gutter along property frontage on South Bon View Avenue and California Street.** ☐

☒ **2.20** **Construct ADA access ramp, AC pavement widening on Bon View Avenue (for 32-feet half street width) and Ontario Boulevard (for 20-feet half street width), drive approaches, and curb return improvements at the SEC of Ontario Boulevard and Bon View Avenue, if not already** ☐

constructed at the time of development.

☒ **2.21** **Construct to full pavement structural section, per City of Ontario Standard Drawing No. 1011, to widen to 20-foot half pavement width along California Street.** ☐

☒ **2.22** **Construct AC pavement widening, pavement transitions, and curb return improvements to provide a 15-foot wide northbound dedicated right turn lane on the east side of Bon View Avenue, south of State Street. Relocation of overhead utilities may be required to accommodate AC pavement widening.**

☐ 2.23 Make arrangements with the Cucamonga Valley Water District (CVWD) to provide ☐ water service ☐ sewer service to the site. This property is within the area served by the CVWD and Applicant shall provide documentation to the City verifying that all required CVWD fees have been paid. ☐

☐ 2.24 Overhead utilities shall be under-grounded, in accordance with Title 7 of the City's Municipal Code (Ordinance No. 2804 and 2892). Developer may pay in-lieu fee, approximately (N/A), for undergrounding of utilities in accordance with Section 7-7.302.e of the City's Municipal Code. ☐

☐ 2.25 Other conditions: _____ ☐

C. SEWER

☒ **2.26** **An 8-inch sewer main is available for connection on South Bon View Avenue and California Street (Ref: Sewer Drawing Number: S10144).** ☐

☒ **2.27** **Design and construct a sewer main extension from the point of connection in South Bon View Avenue, approximately 440' north of California Street, to the northerly parcels (APNs 1049-193-01 and 1049-193-02), north of the project. A sewer main is not available for direct connection along the property frontage. The closest main is on South Bon View Avenue, approximately 440 feet north of California Street.** ☐

☐ 2.28 Submit documentation that shows expected peak loading values for modeling the impact of the subject project to the existing sewer system. The project site is within a deficient public sewer system area. Applicant shall be responsible for all costs associated with the preparation of the model. Based on the results of the analysis, Applicant may be required to mitigate the project impact to the deficient public sewer system, including, but not limited to, upgrading of existing sewer main(s), construction of new sewer main(s) or diversion of sewer discharge to another sewer. ☐

☒ **2.29** **Other conditions:** ☐

☒ **1) See Exhibit B for additional Sewer Conditions of Approval from OMUC.**

D. WATER

☒ **2.30** **A 10-inch water main in pressure zone PZ1212 is available for connection by this project at the intersection of South Bon View Avenue and Ontario Boulevard (Ref: Water Drawing Number: W10758). An 8-inch water main is available for connection by this project on Ontario Boulevard (Ref: Water Drawing Number: Unknown). An 8-inch water main is available for connection by this project on California Street (Ref: Water Drawing Number: Unknown).** ☐

☒ **2.31** **Design and construct a 12" water main extension from the intersection of South Bon View Avenue and Ontario Boulevard to the existing 8" water main in Ontario Boulevard.** ☐

☒ **2.32** **Other conditions:** ☐

☒ **1) See Exhibit B for additional Water Conditions of Approval from OMUC.**

E. RECYCLED WATER

☐ 2.33 A _____inch recycled water main is available for connection by this project in _____. (Ref: Recycled Water Drawing Number:_____) ☐

☐ 2.34 Design and construct an on-site recycled water system for this project. A recycled water main does exist in the vicinity of this project. ☐

☐ 2.35 Design and construct an on-site recycled water ready system for this project. A recycled water main does not currently exist in the vicinity of this project, but is planned for the near future. If Applicant would like to connect to this recycled water main when it becomes available, the cost for the connection shall be borne solely by the Applicant. ☐

☐ 2.36 Submit two (2) hard copies and one (1) electronic copy, in PDF format, of the Engineering Report (ER), for the use of recycled water, to the OMUC for review and subsequent submittal to the California Department of Public Health (CDPH) for final approval. ☐

Note: The OMUC and the CDPH review and approval process will be approximately three (3) months. Contact the Ontario Municipal Utilities Company at (909) 395-2647 regarding this requirement.

☐ 2.37 Other conditions: _____ ☐

F. TRAFFIC / TRANSPORTATION

☐ 2.38 Submit a focused traffic impact study, prepared and signed by a Traffic/Civil Engineer registered in the State of California. The study shall address, but not be limited to, the following issues as required by the City Engineer: ☐

1. On-site and off-site circulation
2. Traffic level of service (LOS) at 'build-out' and future years
3. Impact at specific intersections as selected by the City Engineer

☐ 2.39 New traffic signal installations shall be added to Southern California Edison (SCE) customer account number # 2-20-044-3877. ☐

☒ **2.40 Other conditions:** ☐

☒ 1) Parking shall be restricted 40 feet on either side of the project driveway on Bon View Avenue and California Street with "No Parking Any Time" signs with arrows (R28(CA)(L) & (R)). Signs shall be in accordance with all applicable standards and to the satisfaction of the City Engineer.

☒ 2) Ontario Boulevard shall be signed "No Parking Anytime" along the property frontage.

☒ 3) Design and construct necessary modifications to the existing traffic signal at Mission Boulevard and Bon View Avenue to provide northbound and southbound dedicated left turn lanes with protected left turn phasing. The traffic signal modification shall address relocation or upgrade of any affected equipment including poles, video detection, interconnect cable and conduit, emergency vehicle preemption systems, and bicycle detection to the satisfaction of the City Engineer. All new signal equipment shall be installed at its ultimate location, unless precluded by right-of-way limitations.

☒ 4) Design and construct the signing and striping improvements on Bon View Avenue at Mission Boulevard necessary to accommodate the dedicated northbound and southbound left turn lanes based on the recommended queue lengths from TIA prepared by EDP Solutions, Inc., dated December 2, 2022.

☒ 5) Design and construct proposed driveway in accordance with City of Ontario Standard Drawing No. 1204 for Commercial Driveway.

☒ 6) Design and construct in-fill public street lights and a potential new service along its project frontage on Bon View Avenue and California Street with the current City approved LED equivalent fixture per the City's Approved Material List (AML) for Led Luminaires. The Applicant/Developer shall also install smart nodes on all new street light fixtures along project frontage.

☒ 7) Replace any existing street light fixtures as necessary along its project frontage of Ontario Boulevard and Bon View Avenue with the current City approved LED equivalent fixture per the City's Approved Material List (AML) for Led Luminaires. The Applicant/Developer shall also install smart nodes on all existing street light fixtures along project frontage.

☒ 8) All landscaping, block walls, and other obstructions shall be compatible with the stopping sight distance requirements per City of Ontario Standard Drawing No. 1309.

☒ 9) Coordinate with City Engineering staff prior to starting traffic signal, signing/striping, and street lighting design plans.

G. DRAINAGE / HYDROLOGY

☐ 2.41 A _____inch storm drain main is available to accept flows from this project in _____. ☐
(Ref: Storm Drain Drawing Number: _____)

☒ **2.42** **Submit a hydrology study and drainage analysis, prepared and signed by a Civil Engineer registered in the State of California. The study shall be prepared in accordance with the San Bernardino County Hydrology Manual and City of Ontario standards and guidelines. Additional drainage facilities, including, but not limited to, improvements beyond the project frontage, may be required to be designed and constructed, by Applicant, as a result of the findings of this study.** ☐

☒ **2.43** **An adequate drainage facility to accept additional runoff from the site does not currently exist downstream of the project. Design and construct a storm water detention facility on the project site. 100-year post-development peak flow shall be attenuated such that it does not exceed 80% of pre-development peak flows, in accordance with the approved hydrology study and improvement plans.** ☐

☐ 2.44 Submit a copy of a recorded private drainage easement or drainage acceptance agreement to the Engineering Department for the acceptance of any increase to volume and/or concentration of historical drainage flows onto adjacent property, prior to approval of the grading plan for the project. ☐

☐ 2.45 Comply with the City of Ontario Flood Damage Prevention Ordinance (Ordinance No. 2409). The project site or a portion of the project site is within the Special Flood Hazard Area (SFHA) as indicated on the Flood Insurance Rate Map (FIRM) and is subject to flooding during a 100-year frequency storm. The site plan shall be subject to the provisions of the National Flood Insurance Program. ☐

☐ 2.46 Other conditions: _____ ☐

H. STORM WATER QUALITY / NATIONAL POLLUTANT DISCHARGE AND ELIMINATION SYSTEM (NPDES)

☐ 2.47 401 Water Quality Certification/404 Permit – Submit a copy of any applicable 401 Certification or 404 Permit for the subject project to the City project engineer. Development that will affect any body of surface water (i.e. lake, creek, open drainage channel, etc.) may require a 401 Water Quality Certification from the California Regional Water Quality Control Board, Santa Ana Region (RWQCB) and a 404 Permit from the United States Army Corps of Engineers (USACE). The groups of water bodies classified in these requirements are perennial (flow year round) and ephemeral (flow during rain conditions, only) and include, but are not limited to, direct connections into San Bernardino County Flood Control District (SBCFCD) channels. ☐
If a 401 Certification and/or a 404 Permit are not required, a letter confirming this from Applicant's engineer shall be submitted.
Contact information: USACE (Los Angeles District) (213) 452-3414; RWQCB (951) 782-4130.

☒ **2.48** **Submit a Water Quality Management Plan (WQMP). This plan shall be approved by the Engineering Department prior to approval of any grading plan. The WQMP shall be submitted, utilizing the current San Bernardino County Stormwater Program template, available at: http://www.sbcounty.gov/dpw/land/npdes.asp.** ☐

☒ **2.49** **Design and construct a Connector Pipe Trash Screen or equivalent Trash Treatment Control Device, per catch basin located within or accepting flows tributary of a Priority Land Use (PLU) area that meets the Full Capture System definition and specifications, and is on the Certified List of the State Water Resources Control Board. The device shall be adequately sized per catch basin and include a deflector screen with vector control access for abatement application, vertical support bars, and removable component to facilitate maintenance and cleaning.** ☐

☐ 2.50 Other conditions: _____ ☐

J. SPECIAL DISTRICTS

☐ 2.51 File an application, together with an initial deposit (if required), to establish a Community Facilities District (CFD) pursuant to the Mello-Roos Community Facilities District Act of 1982. The application and fee shall be submitted a minimum of four (4) months prior to final subdivision map approval, and the CFD shall be established prior to final subdivision map approval or issuance of building permits, whichever occurs first. The CFD shall be established upon the subject property to provide funding for various City services. An annual special tax shall be levied upon each parcel or lot in an amount to be determined. The special tax will be collected along with annual property taxes. The City shall be the sole lead agency in the formation of any CFD. Contact Investment and Revenue Resources at (909) 395-2341 to initiate the CFD application process. ☐

☐ 2.52 Other conditions: _____ ☐

K. FIBER OPTIC

☐ 2.53 A _____ fiber optic line is available for connection by this project in _____. (Ref: Fiber Optic Drawing Number: _____) ☐

☒ **2.54 Design and construct fiber optic system to provide access to the City's conduit and fiber optic system per the City's Fiber Optic Master Plan. Building entrance conduits shall start from the closest OntarioNet hand hole constructed along the project frontage in the ROW and shall terminate in the main telecommunications room for each building. Conduit infrastructure shall interconnect with the primary and/or secondary backbone fiber optic conduit system at the nearest OntarioNet hand hole. Generally located the intersection of South Bon View Avenue and Ontario Boulevard.** ☐

☒ **2.55 Refer to the City's Fiber Optic Master Plan for design and layout guidelines. Contact the Broadband Operations Department at (909) 395-2000, regarding this requirement.** ☐

3. PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY, APPLICANT SHALL:

☒ **3.01 Set new monuments in place of any monuments that have been damaged or destroyed as a result of construction of the subject project. Monuments shall be set in accordance with City of Ontario standards and to the satisfaction of the City Engineer.** ☐

☐ 3.02 Complete all requirements for recycled water usage. ☐

☐ 1) Procure from the OMUC a copy of the letter of confirmation from the California Department of Public Health (CDPH) that the Engineering Report (ER) has been reviewed and the subject site is approved for the use of recycled water.

☐ 2) Obtain clearance from the OMUC confirming completion of recycled water improvements and passing of shutdown tests and cross connection inspection, upon availability/usage of recycled water.

☐ 3) Complete education training of on-site personnel in the use of recycled water, in accordance with the ER, upon availability/usage of recycled water.

☒ **3.03 The applicant/developer shall submit all final survey documents prepared by a Licensed Surveyor registered in the State of California detailing all survey monuments that have been preserved, revised, adjusted or set along with any maps, corner records or Records of Survey needed to comply with these Conditions of Approvals and the latest edition of the California Professional Land Survey Act. These documents are to be reviewed and approved by the City Survey Office.** ☐

☐ 3.04 Ontario Ranch Projects: For developments located at an intersection of any two collector or arterial streets, the applicant/developer shall set a monument if one does not already exist at that intersection. Contact the City Survey office for information on reference benchmarks, acceptable methodology and required submittals. ☐

☒ **3.05 Confirm payment of all Development Impact Fees (DIF) to the Building Department.** ☐

☒ **3.06 Submit electronic copies (PDF and Auto CAD format) of all approved improvement plans, studies and reports (i.e. hydrology, traffic, WQMP, etc.).** ☐

4. PRIOR TO FINAL ACCEPTANCE, APPLICANT SHALL:

☒	4.01	**Complete all Conditions of Approval listed under Sections 1-3 above.**	☐
☒	4.02	**Pay all outstanding fees pursuant to the City of Ontario Municipal Code, including but not limited to, plan check fees, inspection fees and Development Impact Fees.**	☐
☒	4.03	**The applicant/developer shall submit a written request for the City's final acceptance of the project addressed to the City Project Engineer. The request shall include a completed Acceptance and Bond Release Checklist, state that all Conditions of Approval have been completed and shall be signed by the applicant/developer. Upon receipt of the request, review of the request shall be a minimum of 10 business days. Conditions of Approval that are deemed incomplete by the City will cause delays in the acceptance process.**	☐
☒	4.04	**Submit record drawings (PDF) for all public improvements identified within Section 2 of these Conditions of Approval.**	☐

EXHIBIT 'A'

ENGINEERING DEPARTMENT
First Plan Check Submittal Checklist

Project Number: Parcel Map No. 20582

The following items are required to be included with the first plan check submittal:

1. ☒ **A copy of this check list**
2. ☒ **Payment of fee for Plan Checking**
3. ☒ **One (1) copy of Engineering Cost Estimate (on City form) with engineer's wet signature and stamp.**
4. ☒ **One (1) copy of project Conditions of Approval**
5. ☒ **Include a PDF (electronic submittal) of each required improvement plan at every submittal.**
6. ☒ **Two (2) sets of Potable Water demand calculations (include water demand calculations showing low, average and peak water demand in GPM for the proposed development and proposed water meter size).**
7. ☒ **Three (3) sets of Public Street improvement plan with street cross-sections**
8. ☒ **Four (4) sets of Public Water improvement plan (include water demand calculations showing low, average and peak water demand in GPM for the proposed development and proposed water meter size)**
9. ☐ Four (4) sets of Recycled Water improvement plan (include recycled water demand calculations showing low, average and peak water demand in GPM for the proposed development and proposed water meter size and an exhibit showing the limits of areas being irrigated by each recycled water meter)
10. ☒ **Four (4) sets of Public Sewer improvement plan**
11. ☐ Five (5) sets of Public Storm Drain improvement plan
12. ☒ **Three (3) sets of Public Street Light improvement plan**
13. ☒ **Three (3) sets of Signing and Striping improvement plan**
14. ☒ **Three (3) sets of Fiber Optic plan (include Auto CAD electronic submittal)**
15. ☒ **Three (3) sets of Dry Utility plans within public right-of-way (at a minimum the plans must show existing and ultimate right-of-way, curb and gutter, proposed utility location including centerline dimensions, wall to wall clearances between proposed utility and adjacent public line, street work repaired per Standard Drawing No. 1306. Include Auto CAD electronic submittal)**
16. ☒ **Three (3) sets of Traffic Signal improvement plan and One (1) copy of Traffic Signal Specifications with modified Special Provisions. Please contact the Traffic Division at (909) 395-2154 to obtain Traffic Signal Specifications.**
17. ☒ **Two (2) copies of Water Quality Management Plan (WQMP), including one (1) copy of the approved Preliminary WQMP (PWQMP).**
18. ☒ **One (1) copy of Hydrology/Drainage study**
19. ☒ **One (1) copy of Soils/Geology report**
20. ☒ **Payment for Final Map/Parcel Map processing fee**

21. ☒ **Three (3) copies of Final Map/Parcel Map**

22. ☒ **One (1) copy of approved Tentative Map**

23. ☒ **One (1) copy of Preliminary Title Report (current within 30 days)**

24. ☒ **One (1) copy of Traverse Closure Calculations**

25. ☒ **One (1) set of supporting documents and maps (legible copies): referenced improvement plans (full size), referenced record final maps/parcel maps (full size, 18"x26"), Assessor's Parcel map (full size, 11"x17"), recorded documents such as deeds, lot line adjustments, easements, etc.**

26. ☐ Two (2) copies of Engineering Report and an electronic file (include PDF format electronic submittal) for recycled water use

27. ☐ Other: _____

CITY OF ONTARIO
MEMORANDUM

ONTARIO MUNICIPAL UTILITIES COMPANY

DATE: November 14, 2022
TO: Alexis Vaughn, Planning
Angela Truong, Engineering
FROM: Peter Tran, Utilities Engineering
SUBJECT: DAB #3 – Conditions of Approval (COA) - Utilties Comments, Bluebeam **(#8798 & 8799)**
PROJECT NO.: PDEV22-025, PMTT22-017 (A Development Plan to construct 2 Ind. Bldg. totaling 238,458 sqft and A Parcel Map to subdivide 10.05 acres into 2 Parcels at 627 S. Bon View Ave.)

BRIEF DESCRIPTION

A Development Plan to construct 2 industrial buildings totaling 238.458 square feet on 10.05 acres of land located at 627 South Bon View Avenue, within the IG (General Industrial zoning district (APN: 1049-181-14). A Parcel Map to subdivide 10.05 acres of land into 2 parcels located at 627 South Bon View Avenue, within the IG (General Industrial) zoning district (APN(s): 1049-181-14-0000).

THIS SUBMITTAL IS COMPLETE AND RECOMMENDED FOR APPROVAL.

CONDITIONS OF APPROVAL: *The Ontario Municipal Utilities Company (OMUC) recommends this application for approval subject to the conditions outlined below and compliance with the City's Design Development Guidelines, Specifications Design Criteria, and City Standards.*

General Conditions: (Add following to Section 2.A of Engineering Department COA)

1. Standard Conditions of Approval: Project shall comply with the requirements as set forth in the Amendment to the Standard Conditions of Approval for New Development Projects adopted by the City Council (Resolution No. 2017-027) on April 18, 2017; as well as project-specific conditions/requirements as outlined below:
2. Final Utilities Systems Map (USM): Submit a Final Utilities Systems Map (USM) as part of the precise grading plan submittal that meets all the City's USM requirements. These requirements include to show and label all existing and proposed utilities (including all appurtenances such as backflow devices, DCDAs, etc.), sizes, points of connection, and any easements. The final utility design shall comply with all Division of Drinking Water (CCR §64572) Separation Requirements. See Utility Systems Map (USM) Requirements document for details.

Potable Water Conditions: (Add following to Section 2.D of Engineering Department COA)

3. Ontario Boulevard Water Main Extension: Construct 12" water main from the intersection Bon View Avenue and Ontario Boulevard by connecting to the existing 10" water main in pressure zone PZ1212, east toward the project easterly property line to connect into the existing 8" water main in Ontario Boulevard.
4. Double Check Detector Assembly (DCDA): Provide and construct two DCDAs for Building 1 (191,145 SQFT.), one off of Bon View Avenue, and the other off Ontario Blvd connecting to the new 12" water main, looping the two together. Provide and construct one DCDA for Building 2 (46,091 SQFT.) off California Street.
5. Fire Hydrants: Provide and construct six new fire hydrants, two along Bon View Avenue, two along Ontario Boulevard, and two along California Street with maximum 300' spacing in between hydrants.

Sewer Conditions: (Add following to Section 2.C of Engineering Department COA)

6. Bon View Boulevard Sewer Main Extension: Construct an 8" sewer main from the point of connection in Bon View, approximately 440' north of California Street to the northerly parcels (APN1049-193-01 & 1049-193-02), north of the project site and provide one sewer lateral for these northern parcels on Bon View. Also, replace the existing sewer cleanout at the sewer point connect with a sewer manhole in Bon View Avenue.
7. Onsite Public Sewer Main and PUE Vacation: Abandon all onsite public sewer main, specifically the existing sewer running north and south through parcels APNs 1049-181-10 and 1049-181-12 and vacate all necessary sewer PUE.
8. The Occupant/Applicant shall apply for a Wastewater Discharge Permit for their establishment and shall comply will all the requirements of the Wastewater Discharge Permit. The application can be downloaded from the City's Utilities website in the drop-down of the "Pretreatment" section (www.ontarioca.gov/OMUC/Utilities). Please select the appropriate application that applies to your type of business. Requirements of the Wastewater Discharge Permit may include, but not limited to:

Installation of wastewater pretreatment equipment, such as grease interceptors or clarifiers. For wastewater permit application questions, please contact:

Michael Birmelin, Environmental Programs Manager
omucenvironmental@ontarioca.gov
Phone: (909) 395-2661

CITY OF ONTARIO
MEMORANDUM

DATE:	10/05/2022
TO:	Alexis Vaughn, Planning Department
FROM:	Blaine Ishii, Integrated Waste Department (via Transtech Engineers)
ADDRESS:	Bon View Avenue
PROJECT NO.:	PDEV22-025
ATTACHMENTS:	Waste Bin Enclosure Standard Plan

BRIEF DESCRIPTION

PARCEL MAP AND NEW WAREHOUSE

THE INTEGRATED WASTE DEPARTMENT HAS THE FOLLOWING CONDITIONS.

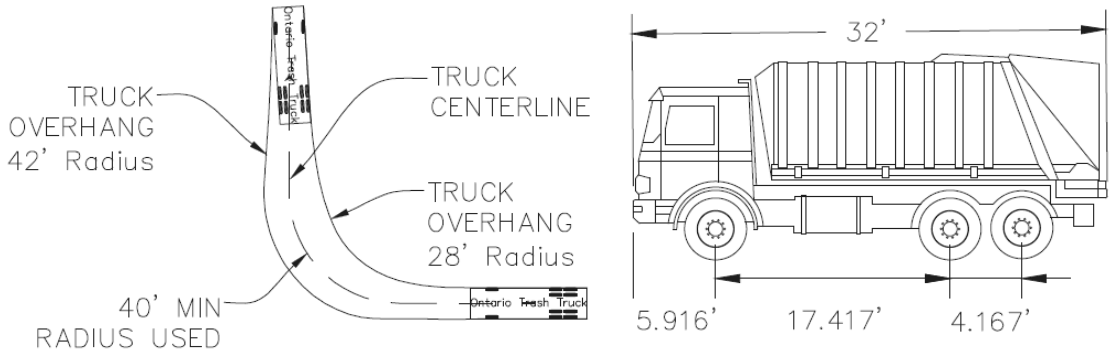
RESUBMITTAL OF PLANS IS NOT REQUIRED

The plan submitted addressed certain concerns of the Integrated Waste Department, but the Department is proposing the following conditions of approval.

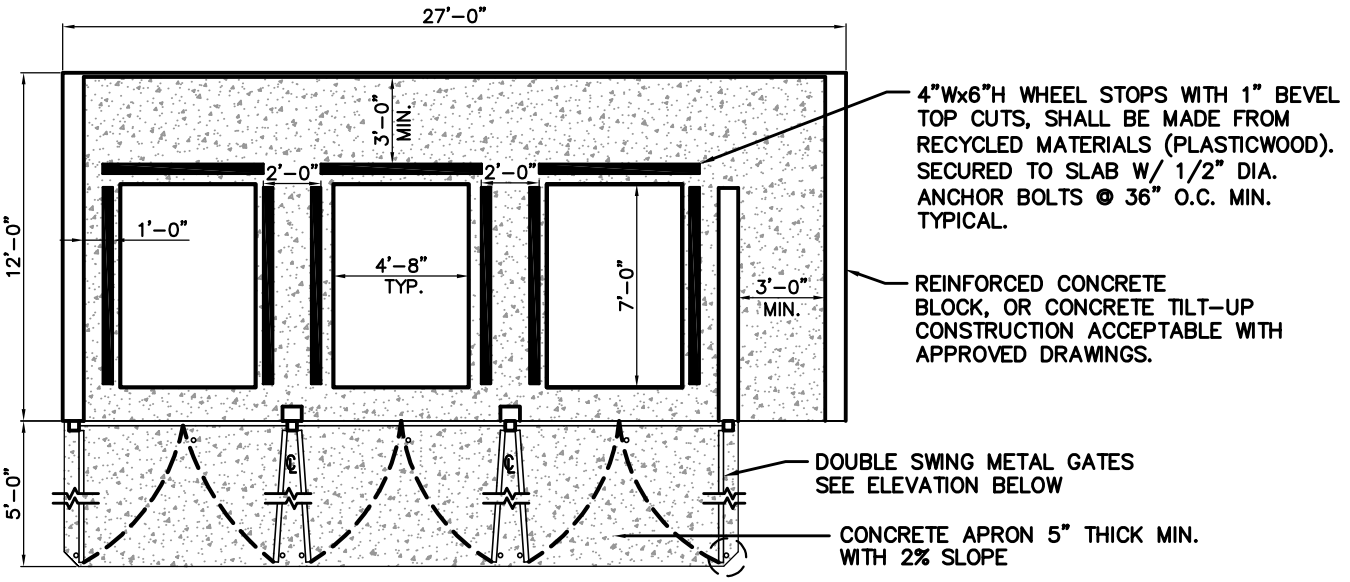
Integrated Waste Conditions of Approval:

1. All qualifying development projects shall comply with State and City regulations for the recycling of organics waste. Organics waste shall be separated from other waste and recycled by certified haulers at certified facilities. All qualifying projects shall plan for the collection of organics and demonstrate how organics waste is being collected, stored, diverted, and/or disposed of.
2. Waste collection, storage, diversion, and disposal shall be in full compliance with the City of Ontario Integrated Waste Planning Manual in effect on the date of submittal for building plan check.
3. For warehouse and manufacturing, waste capacity assumptions shall be not less than 1.25 cubic yards per 10,000 SF for Refuse, 1.25 cubic yards per 10,000 square feet for Recycling, and 0.5 cubic yards per 10,000 SF Organics ('Green waste'). **Provide a calculation on the plans that indicates the prescribed volume of waste, the number of bins required for each type of waste, and the number of pickup days required.**
4. Bins shall be stored within enclosures that meet the City's design standards. Enclosures shall be located on designated paths of travel within developments that meet circulation design standards.
5. Enclosures serving nonresidential uses shall be located within 250 feet of the furthest uses served, and there shall be a disabled access compliant path from each use with an entrance on the ground floor to the enclosure. **Indicate on the plans a 250 foot radius that indicates compliance with this requirement, and indicate the accessible path of travel to the enclosure.**
6. The City of Ontario requires a disabled access compliant pedestrian pathway for Waste Bin Enclosures.
7. Bins shall be oriented to allow pedestrians to deposit waste through the pedestrian access way. Bins shall not be located with the hinge side facing the pedestrian access way.

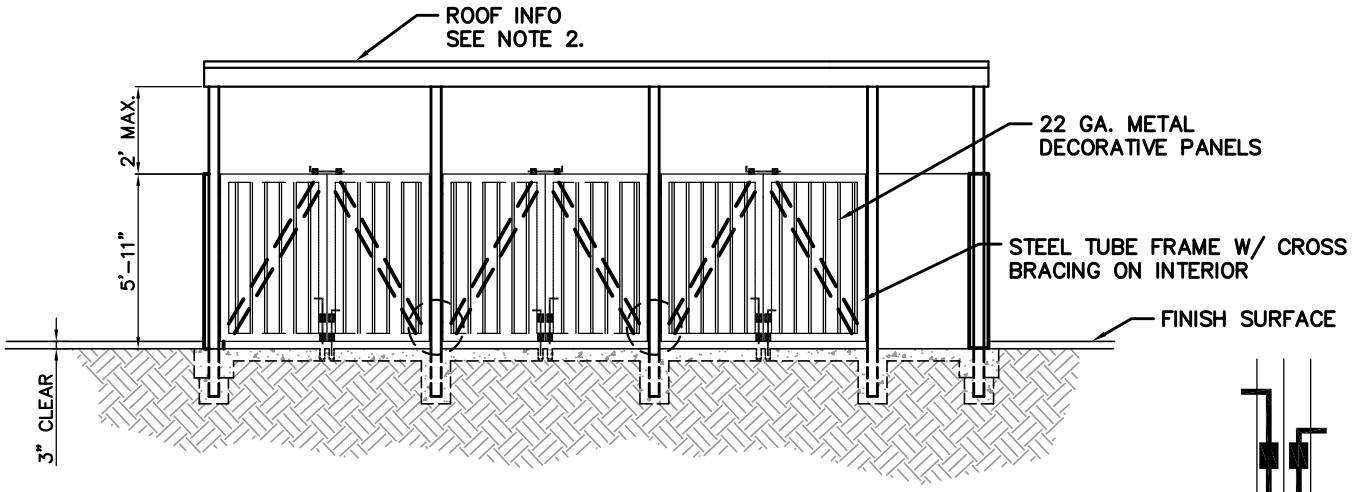
8. For Waste Bin Enclosures, pedestrian access shall be independent of service provider doors.
9. A five-foot-wide concrete apron, with a 2% maximum pitch, shall be placed in front of all refuse enclosures to allow for safe and efficient removal of bins. No drainage V-ditches or catch basins shall be allowed within the five-foot apron.
10. Gate stop bollards shall be installed to prevent enclosure gates from swinging into adjacent parking stalls.
11. Steel cane bolt sleeves shall be installed in the ground outside of bin enclosure gates to prevent gates from swinging shut.



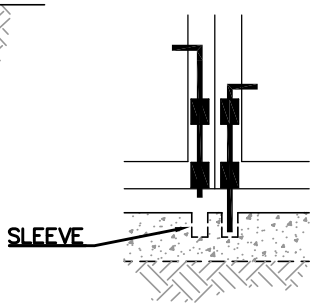
Except for Scouting Vehicles, the inner refuse vehicle turning radius shall be not less than 28 feet and the outer radius shall be not less than 42 feet.



PLAN VIEW



ELEVATION



SLEEVE DETAIL

NOTES:

① THIS DRAWING SERVES AS A GUIDELINE TO THE TRASH ENCLOSURE BIN LAYOUT. PLANS MUST BE SUBMITTED TO THE BUILDING DEPARTMENT FOR REVIEW AND APPROVAL TO MEET CURRENT BUILDING CODES.

② SOLID ROOF TO MEET ARCHITECTURAL AND STRUCTURAL DESIGN CRITERIA FROM PLANNING AND BUILDING DEPARTMENTS.

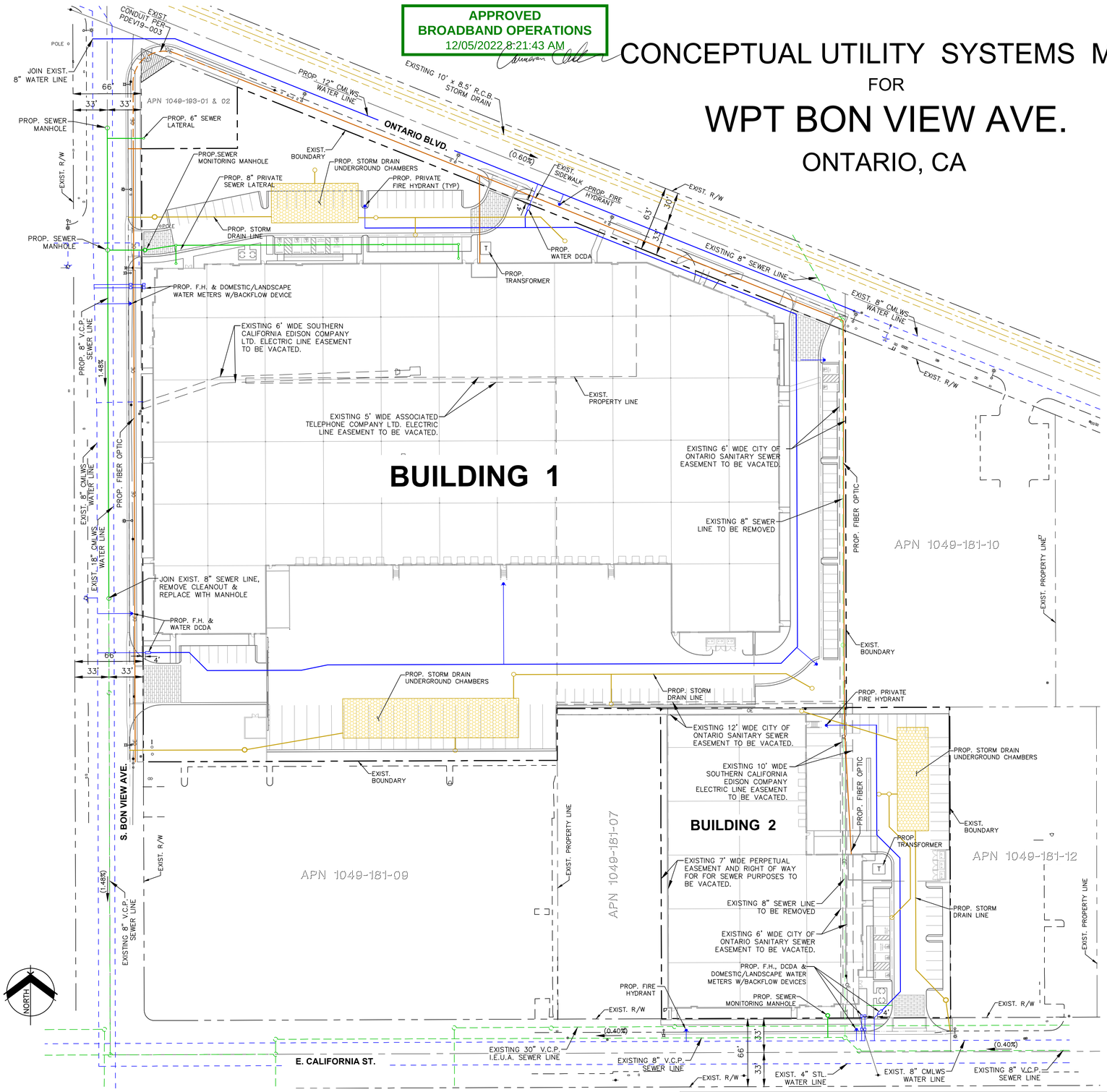
CITY OF ONTARIO - INTEGRATED WASTE DEPARTMENT

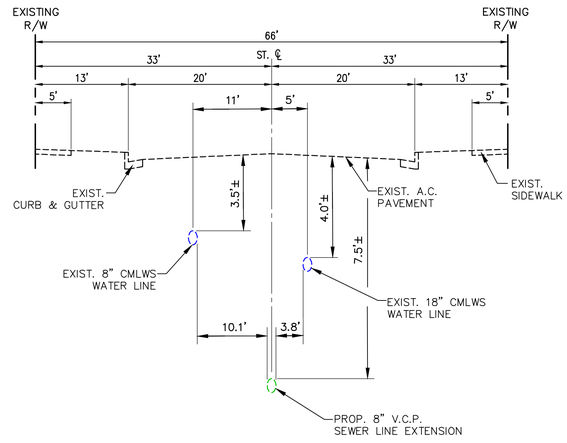
EXAMPLE 1

COMMERCIAL/INDUSTRIAL REFUSE, RECYCLING, AND ORGANICS ENCLOSURE (THREE 4 CU. YD. BINS)

APPROVED
BROADBAND OPERATIONS
12/05/2022 8:21:43 AM

CONCEPTUAL UTILITY SYSTEMS MAP
FOR
WPT BON VIEW AVE.
ONTARIO, CA





BON VIEW AVENUE
EXISTING LOCAL STREET

VICINITY MAP

OWNER:
FLEET RV & BOAT STORAGE, LLC.
6275 BON VIEW AVE.
ONTARIO, CA 91761
(909) 988-2800

DEVELOPER:
WPT CAPITAL ADVISERS, LLC.
150 S. 5th ST., SUITE 2675
MINNEAPOLIS, MN 55402
(616) 800-8503

ENGINEER:
STANTEC CONSULTING, INC.
735 E. CARNEGIE DRIVE, SUITE 280
SAN BERNARDINO, CA 92408
ATT: STEPHEN CREVOISERAT, PE.
R.C.E. # 78576
(949) 537-1300

ARCHITECT:
RGA OFFICE-ARCHITECTURAL DESIGN
15231 ALTON PARKWAY, SUITE 100
IRVINE, CA 92618
(949) 341-0920

SOILS ENGINEER:
NOVA SERVICES, INC.
944 CALLE AMANECER, SUITE "F"
SAN CLEMENTE, CA 92673
(949) 388-7710

LEGAL DESCRIPTION:
PARCEL 1 OF PARCEL MAP 11929 PER MAP RECORDED IN BOOK 152, PAGES 83 TROUGH 84, INCLUSIVE, RECORDS OF SAN BERNARDINO COUNTY.

TOGETHER WITH PARCEL 1 AS SHOWN ON LOT LINE ADJUSTMENT NO. LLA-14-009, PER DOCUMENT RECORDED DECEMBER 16, 2014 AS INSTRUMENT NO. 2014-0478738, OFFICIAL RECORDS OF SAID COUNTY.

RECOGNIZED PARCEL IN THE CITY OF ONTARIO PER CERTIFICATE OF COMPLIANCE NO. CC15-006.

ACREAGE:
GROSS & NET: 10.05 AC.

ASSESSOR'S MAP:
ASSESSOR'S PARCEL NO: 1049-181-14

"NOTE: THE CONCEPTUAL UTILITIES SYSTEM MAP IS NOT CONSIDERED FINAL DESIGN OR FOR CONSTRUCTION AND MAY CHANGE DURING THE DESIGN PHASE."

LEGEND

- MAP BOUNDARY
- EXIST. PROPERTY LINE
- EXISTING R/W
- EXIST. EASEMENT TO BE VACATED
- EXIST. WATER LINE
- PROP. WATER LINE
- PROP. FIRE HYDRANT
- EXIST. SEWER LINE
- PROP. SEWER LINE
- EXIST. STORM DRAIN LINE
- PROP. STORM DRAIN LINE
- EXIST. FIBER OPTIC
- PROP. FIBER OPTIC
- OH — EXIST. OVERHEAD ELECTRIC
- PROPOSED LIGHT
- EXIST. STREET LIGHT
- CMLWS — CEMENT MORTAR LINED WELDED STEEL
- EXIST. WIRE GUY
- EXIST. FIRE HYDRANT
- EXIST. POWER POLE
- EXIST. WATER VALVE

DECEMBER, 2022

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

REGISTERED PROFESSIONAL ENGINEER
STEPHEN F. CREVOISERAT
78576
CIVIL
STATE OF CALIFORNIA

PREPARED BY:
Stantec
735 E. CARNEGIE DRIVE, SUITE 280
SAN BERNARDINO, CA 92408
909.335.6116 stantec.com

PREPARED FOR:
WPT CAPITAL ADVISERS, LLC
150 SOUTH 5TH STREET, SUITE 2675
MINNEAPOLIS, MN 55402 PH: (616) 800-8503

MARK	REVISIONS	APPR.	DATE	APPR.	DATE
DESIGNED BY: ____ DRAWN BY: ____ CHECKED BY: ____		DESIGN ENG'R.		CITY ENG'R.	

CITY OF ONTARIO
CONCEPTUAL UTILITY SYSTEMS MAP
FOR
WPT - BON VIEW AVE.

2242639000

SHEET 1 OF 1

DRAWING: c:\2242639000\drawing\exhibit_files\639000c-px7005.dwg PLOTTED: 12/1/2022 8:36 AM BY: Sonu, Victor

CITY OF ONTARIO

MEMORANDUM

TO: Scott Murphy, Community Development Director (Copy of memo only)
Rudy Zeledon, Planning Director (Copy of memo only)
Diane Ayala, Advanced Planning Division (Copy of memo only)
Charity Hernandez, Economic Development
James Caro, Building Department
~~Raymond Lee, Engineering Department~~ Nathan Kuan
Jamie Richardson, Landscape Planning Division
Dennis Mejia, Municipal Utility Company
Jeremy Phillips, Police Department
Paul Erhman, Deputy Fire Chief/Fire Marshal
Jay Bautista, Traffic/Transportation Manager
Lorena Mejia, Airport Planning
Tricia Espinoza, Engineering/NPDES
Angela Magana, Community Improvement (Copy of memo only)
Jimmy Chang, IPA Department
Ben Mayorga, Integrated Waste

FROM: Alexis Vaughn, Associate Planner

DATE: October 24, 2022

SUBJECT: FILE #: PDEV22-025 Revision #2 Finance Acct#:

The following project has been resubmitted for review. Please send one (1) copy and email one (1) copy of your DAB report to the Planning Department by .

PROJECT DESCRIPTION: A Development Plan to construct 2 industrial buildings totaling 238.458 square feet on 10.05 acres of land located at 627 South Bon View Avenue, within the IG (General Industrial zoning district (APN(s): 1049-181-14-0000). Related File(s): PMTT22-017.

☑ The plan does adequately address the departmental concerns at this time.

- ☐ No comments
- ☐ See previous report for Conditions
- ☑ Report attached (1 copy and email 1 copy)
- ☐ Standard Conditions of Approval apply

☐ The plan does not adequately address the departmental concerns.

- ☐ The conditions contained in the attached report must be met prior to scheduling for Development Advisory Board.

ENG./TRAFFIC		ASST. ENG.	1/25/23
Department	Signature	Title	Date

CITY OF ONTARIO

MEMORANDUM

TO: Scott Murphy, Community Development Director (Copy of memo only)
Rudy Zeledon, Planning Director (Copy of memo only)
Diane Ayala, Advanced Planning Division (Copy of memo only)
Charity Hernandez, Economic Development
James Caro, Building Department
Raymond Lee, Engineering Department
Jamie Richardson, Landscape Planning Division
Dennis Mejia, Municipal Utility Company
Jeremy Phillips, Police Department
Paul Erhman, Deputy Fire Chief/Fire Marshal
~~Jay Bautista, Traffic/Transportation Manager~~ Nathan Kuan
Lorena Mejia, Airport Planning
Tricia Espinoza, Engineering/NPDES
Angela Magana, Community Improvement (Copy of memo only)
Jimmy Chang, IPA Department
Ben Mayorga, Integrated Waste

FROM: Alexis Vaughn, Associate Planner

DATE: October 24, 2022

SUBJECT: FILE #: PMTT22-017 Revision #2 Finance Acct#:

The following project has been resubmitted for review. Please send one (1) copy and email one (1) copy of your DAB report to the Planning Department by .

PROJECT DESCRIPTION: A Parcel Map to subdivide 10.05 acres of land into 2 parcels located at 627 South Bon View Avenue, within the IG (General Industrial) zoning district (APN(s): 1049-181-14-0000). Related File(s): PDEV22-025.

☑ The plan does adequately address the departmental concerns at this time.

- ☐ No comments
- ☐ See previous report for Conditions
- ☑ Report attached (1 copy and email 1 copy)
- ☐ Standard Conditions of Approval apply

☐ The plan does not adequately address the departmental concerns.

- ☐ The conditions contained in the attached report must be met prior to scheduling for Development Advisory Board.

Department	Signature	Title	Date

CITY OF ONTARIO
MEMORANDUM

Development Plan Review
Engineering Department:
Transportation Section

Project: PDEV22-025 (PMTT22-017)

Date: January 25th, 2023

Location: 627 South Bon View Avenue

By: Nathan Kuan
Jaime Maciel-Carrera

The Transportation Division recommends the following to be incorporated into the Project's Conditions-of-Approval:

Conditions:

1. The Applicant/Developer shall construct all widening and curb return improvements at the SEC of Ontario Boulevard and Bon View Avenue if not already constructed at the time of development.

2. On-street parking to be restricted at driveways on Bon View Avenue and California Street for sight distance.

3. Ontario Boulevard shall be signed "No Parking Anytime" along the property frontage.

4. The Applicant/Developer shall be responsible to design and construct necessary modifications to the existing traffic signal at Mission Boulevard and Bon View Avenue to provide northbound and southbound dedicated left turn lanes with protected left turn phasing. The traffic signal modification shall address relocation or upgrade of any affected equipment including poles, video detection, interconnect cable and conduit, emergency vehicle preemption systems, and bicycle detection to the satisfaction of the City Engineer. All new signal equipment shall be installed at its ultimate location, unless precluded by right-of-way limitations. The Applicant/Developer shall design and construct the signing and striping improvements on Bon View Avenue necessary to accommodate the dedicated northbound and southbound left turn lanes based on the recommended queue lengths from TIA prepared by EDP Solutions, Inc., dated December 2, 2022.

5. The Applicant/Developer shall be responsible to design and construct necessary street widening improvements and pavement transitions to provide a 15-foot wide northbound dedicated right turn lane on the eastside of Bon View Avenue, south of State Street. The Applicant/Developer shall provide additional pavement and curb on the eastside of Bon View Avenue necessary to accommodate northbound truck right turns.

6. The Applicant/Developer shall be responsible to design and construct street improvements along property frontage in accordance with conditions issued by City's Land Development Division. These, and all other street improvements required herein, shall include, but not be limited to, concrete curb and gutter, sidewalk, LED street lights, signing and striping, and parkway landscaping.

7. Design and construct proposed driveway in accordance with City of Ontario Standard Drawing No. 1204 for Commercial Driveway.

8. The Applicant/Developer shall be responsible to design and construct in-fill public street lights and a potential new service along its project frontage on Bon View Avenue and California Street with the current City approved LED equivalent fixture per the City's Approved Material List (AML) for Led Luminaires. The Applicant/Developer shall also install smart nodes on all new street light fixtures along project frontage.

9. The Applicant/Developer shall be responsible to replace any existing street light fixtures as necessary along its project frontage of Ontario Boulevard and Bon View Avenue with the current City approved LED equivalent fixture per the City's Approved Material List (AML) for Led Luminaires. The Applicant/Developer shall also install smart nodes on all existing street light fixtures along project frontage.

10. All landscaping, block walls, and other obstructions shall be compatible with the stopping sight distance requirements per City of Ontario Standard Drawing No. 1309.

11. The Applicant/Developer's engineer-of-record shall meet with City Engineering staff prior to starting traffic signal, signing/striping, and street lighting design plans.

nk, jmc;

CITY OF ONTARIO
MEMORANDUM

TO: **Alexis Vaugh, Assistant Planner**
Planning Department

FROM: **Paul Ehrman, Sr. Deputy Fire Chief/Fire Marshal**
Fire Department

DATE: **June 6, 2022**

SUBJECT: **PMTT22-017 - A Parcel Map to subdivide 10.05 acres of land into 2 parcels located at 627 South Bon View Avenue, within the IG (General Industrial) zoning district (APN(s): 1049-181-14-0000). Related File(s): PDEV22-025.**

☒ The plan **does** adequately address Fire Department requirements at this time.

☒ No comments. See PDEV22-025.

CITY OF ONTARIO
MEMORANDUM

TO: **Alexis Vaughn, Assistant Planner**
Planning Department

FROM: **Paul Ehrman, Sr. Deputy Fire Chief/Fire Marshal**
Fire Department

DATE: **June 6, 2022**

SUBJECT: **PDEV22-025 - A Development Plan to construct 2 industrial buildings totaling 238.458 square feet on 10.05 acres of land located at 627 South Bon View Avenue, within the IG (General Industrial zoning district (APN(s): 1049-181-14-0000). Related File(s): PMTT22-017.**

☒ The plan **does** adequately address Fire Department requirements at this time.

☒ Standard Conditions of Approval apply, as stated below.

SITE AND BUILDING FEATURES:

A. 2019 CBC Type of Construction: Type III-B

B. Type of Roof Materials: Panelized

C. Ground Floor Area(s): 192,367 + 46,091 Sq. Ft.

D. Number of Stories: 1 w/ Mezzanine

E. Total Square Footage: 2 Buildings, Equaling 238,458 Sq. Ft.

F. 2019 CBC Occupancy Classification(s): S

CONDITIONS OF APPROVAL:

1.0 GENERAL

☒ 1.1 The following are the Ontario Fire Department ("Fire Department") requirements for this development project, based on the current edition of the California Fire Code (CFC), and the current versions of the Fire Prevention Standards ("Standards.") It is recommended that the applicant or developer transmit a copy of these requirements to the on-site contractor(s) and that all questions or concerns be directed to the Bureau of Fire Prevention, at (909) 395-2029. For copies of Ontario Fire Department Standards please access the City of Ontario web site at www.ontarioca.gov/Fire/Prevention.

☒ 1.2 These Fire Department conditions of approval are to be included on any and all construction drawings.

2.0 FIRE DEPARTMENT ACCESS

☒ 2.1 Fire Department vehicle access roadways shall be provided to within 150 ft. of all portions of the exterior walls of the first story of any building, unless specifically approved. Roadways shall be paved with an all-weather surface and shall be a minimum of twenty-four (24) ft. wide. See Standard #B-004.

☒ 2.2 In order to allow for adequate turning radius for emergency fire apparatus, all turns shall be designed to meet the minimum twenty five feet (25') inside and forty-five feet (45') outside turning radius per Standard #B-005.

☒ 2.3 Fire Department access roadways that exceed one hundred and fifty feet (150') in length shall have an approved turn-around per Standard #B-002.

☒ 2.4 Access drive aisles which cross property lines shall be provided with CC&Rs, access easements, or reciprocating agreements, and shall be recorded on the titles of affected properties, and copies of same shall be provided at the time of building plan check.

☒ 2.5 "No Parking-Fire Lane" signs and /or red painted curbs with lettering are required to be installed in interior access roadways, in locations where vehicle parking would obstruct the minimum clear width requirement. Installation shall be per Standard #B-001.

☒ 2.6 Security gates or other barriers on fire access roadways shall be provided with a Knox brand key switch or padlock to allow Fire Department access. See Standards #B-003, B-004 and H-001.

☒ 2.7 Any time PRIOR to on-site combustible construction and/or storage, a minimum twenty-four (24) ft. wide circulating all weather access roads shall be provided to within 150 ft. of all portions of the exterior walls of the first story of any building, unless specifically approved by fire department and other emergency services.

3.0 WATER SUPPLY

☒ 3.1 The required fire flow per Fire Department standards, based on the 2019 California Fire Code, Appendix B, is 4000 gallons per minute (g.p.m.) for 4 hours at a minimum of 20 pounds per square inch (p.s.i.) residual operating pressure.

☒ 3.2 Off-site (public) fire hydrants are required to be installed on all frontage streets, at a minimum spacing of three hundred foot (300') apart, per Engineering Department specifications.

☒ 3.3 Buildings that exceed 100,000 square feet in floor area shall provide an onsite looped fire protection water line around the building(s.) The loops shall be required to have two or more points of connection from a public circulating water main.

☒ 3.4 The water supply, including water mains and fire hydrants, shall be tested and approved by the Engineering Department and Fire Department prior to combustible construction to assure availability and reliability for firefighting purposes.

4.0 FIRE PROTECTION SYSTEMS

☒ 4.2 Underground fire mains which cross property lines shall be provided with CC & R, easements, or reciprocating agreements, and shall be recorded on the titles of affected properties, and copies of same shall be provided at the time of fire department plan check. The shared use of private fire mains or fire pumps is allowable only between immediately adjacent properties and shall not cross any public street.

☒ 4.3 An automatic fire sprinkler system is required. The system design shall be in accordance with National Fire Protection Association (NFPA) Standard 13. All new fire sprinkler systems, except those in single family dwellings, which contain twenty (20) sprinkler heads or more shall be monitored by an approved listed supervising station. An application along with detailed plans shall be submitted, and a construction permit shall be issued by the Fire Department, prior to any work being done.

☒ 4.5 Fire Department Connections (FDC) shall be located on the address side of the building within one hundred fifty feet (150') of a public fire hydrant on the same side of the street. Provide identification for all fire sprinkler control valves and fire department connections per Standard #D-007. Raised curbs adjacent to Fire Department connection(s) shall be painted red, five feet either side, per City standards.

☒ 4.6 A fire alarm system is required. The system design shall be in accordance with National Fire Protection Association (NFPA) Standard 72. An application along with detailed plans shall be submitted, and a construction permit shall be issued by the Fire Department, prior to any work being done.

☒ 4.7 Portable fire extinguishers are required to be installed prior to occupancy per Standard #C-001. Please contact the Fire Prevention Bureau to determine the exact number, type and placement required.

5.0 BUILDING CONSTRUCTION FEATURES

☒ 5.1 The developer/general contractor is to be responsible for reasonable periodic cleanup of the development during construction to avoid hazardous accumulations of combustible trash and debris both on and off the site.

☒ 5.2 Approved numbers or addresses shall be placed on all new and existing buildings in such a position as to be plainly visible and legible from the street or road fronting the property. Multi-tenant or building projects shall have addresses and/or suite numbers provided on the rear of the building. Address numbers shall contrast with their background. See Section 9-1 6.06 of the Ontario Municipal Code and Standards #H-003 and #H-002.

☒ 5.6 Knox ® brand key-box(es) shall be installed in location(s) acceptable to the Fire Department. All Knox boxes shall be monitored for tamper by the building fire alarm system. See Standard #H-001 for specific requirements.

☒ 5.7 Placards shall be installed in acceptable locations on buildings that store, use or handle hazardous materials in excess of the quantities specified in the CFC. Placards shall meet the requirements of National Fire Protection Association (NFPA) Standard 704.

6.0 OTHER SPECIAL USES

☒ 6.1 The storage, use, dispensing, or handling of any hazardous materials shall be approved by the Fire Department, and adequate fire protection features shall be required. If hazardous materials are proposed, a Fire Department Hazardous Materials Information Packet, including Disclosure Form and Information Worksheet, shall be completed and submitted with Material Safety Data Sheets to the Fire Department along with building construction plans.

☒ 6.2 Any High Piled Storage, or storage of combustible materials greater than twelve (12') feet in height for ordinary (Class I-IV) commodities or storage greater than six feet (6') in height of high hazard (Group A plastics, rubber tires, flammable liquids, etc.) shall be approved by the Fire Department, and adequate fire protection features shall be required. If High Piled Storage is proposed, a Fire Department High Piled Storage Worksheet shall be completed and detailed racking plans or floor plans submitted prior to occupancy of the building.

☒ 6.3 Underground fuel tanks, their associated piping and dispensers shall be reviewed, approved, and permitted by Ontario Building Department, Ontario Fire Department, and San Bernardino County Fire Department Hazardous Materials Division. In fueling facilities, an exterior emergency pump shut-off switch shall be provided.

CITY OF ONTARIO

MEMORANDUM

TO: Scott Murphy, Community Development Director (Copy of memo only)
Rudy Zeledon, Planning Director (Copy of memo only)
Diane Ayala, Advanced Planning Division (Copy of memo only)
Charity Hernandez, Economic Development
James Caro, Building Department
Raymond Lee, Engineering Department
Jamie Richardson, Landscape Planning Division
Dennis Mejia, Municipal Utility Company
Jeremy Phillips, Police Department
Paul Erhman, Deputy Fire Chief/Fire Marshal
Jay Bautista, Traffic/Transportation Manager
Lorena Mejia, Airport Planning
Tricia Espinoza, Engineering/NPDES
Angela Magana, Community Improvement (Copy of memo only)
Jimmy Chang, IPA Department
Ben Mayorga, Integrated Waste

Bluebeam Submittal
DB# 8443

FROM: Alexis Vaughn, Assistant Planner

DATE: May 31, 2022

SUBJECT: FILE #: PMTT22-017 Finance Acct#:

The following project has been submitted for review. Please send one (1) copy and email one (1) copy of your DAB report to the Planning Department by .

Note:
- ☐ Only DAB action is required .
- ☒ Both DAB and Planning Commission actions are required
- ☐ Only Planning Commission action is required
- ☐ DAB, Planning Commission and City Council actions are required
- ☐ Only Zoning Administrator action is required

PROJECT DESCRIPTION: A Parcel Map to subdivide 10.05 acres of land into 2 parcels located at 627 South Bon View Avenue, within the IG (General Industrial) zoning district (APN(s): 1049-181-14-0000). Related File(s): PDEV22-025.

- ☐ The plan does adequately address the departmental concerns at this time.
  - ☐ No comments
  - ☐ Report attached (1 copy and email 1 copy)
  - ☐ Standard Conditions of Approval apply
- ☐ The plan does not adequately address the departmental concerns.
  - ☐ The conditions contained in the attached report must be met prior to scheduling for Development Advisory Board.

ONTARIO POLICE	ANTONIO GALAN	POLICE OFFICER	7/28/22
Department	Signature	Title	Date

CITY OF ONTARIO

MEMORANDUM

TO: Scott Murphy, Community Development Director (Copy of memo only)
Rudy Zeledon, Planning Director (Copy of memo only)
Diane Ayala, Advanced Planning Division (Copy of memo only)
Charity Hernandez, Economic Development
James Caro, Building Department
Raymond Lee, Engineering Department
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Paul Erhman, Deputy Fire Chief/Fire Marshal
Jay Bautista, Traffic/Transportation Manager
Lorena Mejia, Airport Planning
Tricia Espinoza, Engineering/NPDES
Angela Magana, Community Improvement (Copy of memo only)
Jimmy Chang, IPA Department
Ben Mayorga, Integrated Waste

Bluebeam Submittal
DB# 8442

FROM: Alexis Vaughn, Assistant Planner

DATE: May 31, 2022

SUBJECT: FILE #: PDEV22-025 Finance Acct#:

The following project has been submitted for review. Please send one (1) copy and email one (1) copy of your DAB report to the Planning Department by .

Note:
- ☐ Only DAB action is required
- ☒ Both DAB and Planning Commission actions are required
- ☐ Only Planning Commission action is required
- ☐ DAB, Planning Commission and City Council actions are required
- ☐ Only Zoning Administrator action is required

PROJECT DESCRIPTION: A Development Plan to construct 2 industrial buildings totaling 238.458 square feet on 10.05 acres of land located at 627 South Bon View Avenue, within the IG (General Industrial zoning district (APN(s): 1049-181-14-0000). Related File(s): PMTT22-017.

☒ The plan does adequately address the departmental concerns at this time.
- ☒ No comments
- ☐ Report attached (1 copy and email 1 copy)
- ☒ Standard Conditions of Approval apply

☐ The plan does not adequately address the departmental concerns.
- ☐ The conditions contained in the attached report must be met prior to scheduling for Development Advisory Board.

ONTARIO POLICE	ANTONIO GALBAN	POLICE OFFICER	7/20/22
Department	Signature	Title	Date

CITY OF ONTARIO
MEMORANDUM

TO: **Alexis Vaughn, Assistant Planner**

FROM: **Officer Tony Galban, Police Department**

DATE: **July 28, 2022**

SUBJECT: **PDEV22-025 - A DEVELOPMENT PLAN TO CONSTRUCT TWO INDUSTRIAL BUILDINGS TOTALING 238,458 SQUARE FEET, LOCATED AT 627 S BONVIEW AVENUE.**

The "Standard Conditions of Approval" contained in Resolution No. 2017-027 apply. The applicant shall read and be thoroughly familiar with these conditions, including, but not limited to, the requirements below.

- Required lighting for all walkways, driveways, doorways, parking lots, hallways and other areas used by the public shall be provided. Lights shall operate via photosensor. Photometrics shall be provided to the Police Department and include the types of fixtures proposed and demonstrate that such fixtures meet the vandal-resistant requirement. Planned landscaping shall not obstruct lighting.
- Rooftop addresses shall be installed on the buildings as stated in the Standard Conditions. The numbers shall be at a minimum 6 feet tall and 2 foot wide, in reflective white paint on a flat black background, and oriented with the bottom of the numbers towards the addressed street. Associated letters shall also be included.
- First floor common stairwells shall be constructed to either allow for visibility through the stairwell risers or to prohibit public access to the areas behind stairwells
- The Applicant shall comply with construction site security requirements as stated in the Standard Conditions.

The Applicant is invited to contact Officer Tony Galban at (909) 408-1006 with any questions or concerns regarding these conditions.

CITY OF ONTARIO

MEMORANDUM

TO: Scott Murphy, Community Development Director (Copy of memo only)
Rudy Zeledon, Planning Director (Copy of memo only)
Diane Ayala, Advanced Planning Division (Copy of memo only)
Charity Hernandez, Economic Development
James Caro, Building Department
Raymond Lee, Engineering Department
Jamie Richardson, Landscape Planning Division
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Paul Erhman, Deputy Fire Chief/Fire Marshal
Jay Bautista, Traffic/Transportation Manager
Lorena Mejia, Airport Planning
Tricia Espinoza, Engineering/NPDES
Angela Magana, Community Improvement (Copy of memo only)
Jimmy Chang, IPA Department
Ben Mayorga, Integrated Waste

Revision #1

FROM: Alexis Vaughn, Associate Planner

DATE: September 02, 2022

SUBJECT: FILE #: PMTT22-017 Finance Acct#:

The following project has been resubmitted for review. Please send one (1) copy and email one (1) copy of your DAB report to the Planning Department by .

PROJECT DESCRIPTION: A Parcel Map to subdivide 10.05 acres of land into 2 parcels located at 627 South Bon View Avenue, within the IG (General Industrial) zoning district (APN(s): 1049-181-14-0000). Related File(s): PDEV22-025.

☑ The plan does adequately address the departmental concerns at this time.

- ☐ No comments
- ☐ See previous report for Conditions
- ☑ Report attached (1 copy and email 1 copy)
- ☑ Standard Conditions of Approval apply

☐ The plan does not adequately address the departmental concerns.

- ☐ The conditions contained in the attached report must be met prior to scheduling for Development Advisory Board.

Department	Signature	Title	Date
Landscape Planning Division		Sr. Landscape Architect	10/13/2022

CITY OF ONTARIO

MEMORANDUM

TO: Scott Murphy, Community Development Director (Copy of memo only)
Rudy Zeledon, Planning Director (Copy of memo only)
Diane Ayala, Advanced Planning Division (Copy of memo only)
Charity Hernandez, Economic Development
James Caro, Building Department
Raymond Lee, Engineering Department
Jamie Richardson, Landscape Planning Division
Dennis Mejia, Municipal Utility Company
Jeremy Phillips, Police Department
Paul Erhman, Deputy Fire Chief/Fire Marshal
Jay Bautista, Traffic/Transportation Manager
Lorena Mejia, Airport Planning
Tricia Espinoza, Engineering/NPDES
Angela Magana, Community Improvement (Copy of memo only)
Jimmy Chang, IPA Department
Ben Mayorga, Integrated Waste

Revision #1

FROM: Alexis Vaughn, Associate Planner

DATE: September 02, 2022

SUBJECT: FILE #: PDEV22-025 Finance Acct#:

The following project has been resubmitted for review. Please send one (1) copy and email one (1) copy of your DAB report to the Planning Department by .

PROJECT DESCRIPTION: A Development Plan to construct 2 industrial buildings totaling 238.458 square feet on 10.05 acres of land located at 627 South Bon View Avenue, within the IG (General Industrial zoning district (APN(s): 1049-181-14-0000). Related File(s): PMTT22-017.

☑ The plan does adequately address the departmental concerns at this time.

- ☐ No comments
- ☐ See previous report for Conditions
- ☑ Report attached (1 copy and email 1 copy)
- ☑ Standard Conditions of Approval apply

☐ The plan does not adequately address the departmental concerns.

- ☐ The conditions contained in the attached report must be met prior to scheduling for Development Advisory Board.

Landscape Planning Division | Sr. Landscape Architect | 10/13/2022

Department | Signature | Title | Date

CITY OF ONTARIO
LANDSCAPE PLANNING DIVISION
303 East "B" Street, Ontario, CA 91764

CONDITIONS OF APPROVAL	
Sign Off	
	10/13/2022
Jamie Richardson, Sr. Landscape Planner	Date

Reviewer's Name:	Phone:
Jamie Richardson, Sr. Landscape Planner	**(909) 395-2615**

D.A.B. File No.:	Case Planner:
PDEV22-025, PMTT22-017	Alexis Vaughn

Project Name and Location:

2 Industrial Buildings
627 South Bon View Ave

Applicant/Representative:

EPD Solutions norah@epdsolutions.com (949) 226-1854
2355 Main Street, Suite 100
Irvine, AC 92614

☒	**Preliminary Plans (dated 09/02/2022) meet the Standard Conditions for New Development and have been approved considering that the following conditions below be met upon submittal of the landscape construction documents.**
☐	**Preliminary Plans (dated) have not been approved. Corrections noted below are required before Preliminary Landscape Plan approval.**

A RESPONSE SHEET IS REQUIRED WITH RESUBMITTAL OR PLANS WILL BE RETURNED AS INCOMPLETE.
Landscape construction plans with plan check number may be emailed to:
landscapeplancheck@ontarioca.gov

Civil/ Site Plans

1. Before permit issuance, stormwater infiltration devices located in landscape areas shall be reviewed and plans approved by the Landscape Planning Division. Any stormwater devices in parkway areas shall not displace street trees.
2. Show and dimension transformers set back 5' from paving all sides. Coordinate with landscape plans.
3. Show and dimension backflow devices set back 4' from paving on all sides. Locate on level grade.
4. Locate utilities including light standards, fire hydrants, water, drain, and sewer lines to not conflict with required tree locations—coordinate civil plans with landscape plans.
5. Note for compaction to be no greater than 85% in landscape areas. All finished grades at 1 ½" below finished surfaces. Slopes to be maximum 3:1.
6. Dimension, show and call out for step-outs at parking spaces adjacent to planters; a 12" wide monolithic concrete curb, DG paving or pavers with edging.

Landscape Plans

7. During plan check, coordinate with Ontario Municipal Utilities Company (OMUC) to submit irrigation plans for recycled water systems to omucwaterquality@ontarioca.gov. OMUC shall review and approve irrigation systems utilizing recycled water before final landscape approval. Submit an electronic approval letter or memo from OMUC with the resubmittal of the landscape package.
8. Show backflow devices with 36" high strappy leaf shrub screening and trash enclosures and transformers, a 4'-5' high evergreen hedge screening. Do not encircle utility; show as masses and duplicate masses in other locations at regular intervals.

9. Locate light standards, fire hydrants, water, and sewer lines to not conflict with required tree locations. Coordinate civil plans with landscape plans.
10. Show all utilities on the landscape plans. Coordinate so utilities are clear of tree locations.
11. Landscape construction plans shall meet the requirements of the Landscape Development Guidelines. See http://www.ontarioca.gov/landscape-planning/standards
12. After a project's entitlement approval, the applicant shall pay all applicable fees for landscape plan check and inspections at a rate established by resolution of the City Council. Landscape construction plans with building permit number for plan check may be emailed to: landscapeplancheck@ontarioca.gov

AIRPORT LAND USE COMPATIBILITY PLANNING
CONSISTENCY DETERMINATION REPORT

ONTARIO AIRPORT PLANNING

Project File No.: PDEV22-025 & PMTT22-017

Address: 627 South Bonview Avenue

APN: 1049-181-14

Existing Land Use: Fleet and RV Storage

Proposed Land Use: Development Plan & Parcel Map to construct 2 industrial buildings totaling 238,458 SF

Site Acreage: 9.64 Proposed Structure Height: 45 FT

ONT-IAC Project Review: n/a

Airport Influence Area: ONT

Reviewed By: Lorena Mejia

Contact Info: 909-395-2276

Project Planner: Alexis Vaughn

Date: 2/23/2022

CD No.: 2022-030 Rev1

PALU No.: n/a

The project is impacted by the following ONT ALUCP Compatibility Zones:

Safety	Noise Impact	Airspace Protection	Overflight Notification
○ Zone 1	○ 75+ dB CNEL	☐ High Terrain Zone	☑ Avigation Easement Dedication
○ Zone 1A	☑ 70 - 75 dB CNEL	☑ FAA Notification Surfaces	☐ Recorded Overflight Notification
☑ Zone 2	☑ 65 - 70 dB CNEL	☑ Airspace Obstruction Surfaces	☐ Real Estate Transaction Disclosure
☐ Zone 3	☐ 60 - 65 dB CNEL	☑ Airspace Avigation Easement Area	
○ Zone 4		Allowable Height: 40 - 50 FT	
○ Zone 5			

The project is impacted by the following Chino ALUCP Safety Zones:

☐ Zone 1 ☐ Zone 2 ☐ Zone 3 ☐ Zone 4 ○ Zone 5 ☐ Zone 6

Allowable Height: _____

CONSISTENCY DETERMINATION

This proposed Project is: ○ Exempt from the ALUCP ○ Consistent ◉ Consistent with Conditions ○ Inconsistent

The proposed project is located within the Airport Influence Area of Ontario International Airport (ONT) and was evaluated and found to be consistent with the policies and criteria of the Airport Land Use Compatibility Plan (ALUCP) for ONT.

See Attached Conditions

Airport Planner Signature: Lorena Mejia

Project Conditions

1. Project is located within Safety Zone 2 and above ground storage of hazardous materials greater than 6,000 gallons is not allowed (ALUCP Policy S4b (Hazardous Material Storage).

2. Attached are the land use intensity calculations for the proposed buildings. Future land uses that deviate from what is currently being approved must meet the policies and criteria of the ONT ALUCP.

3. The maximum height limit for the project site is 45 feet and as such, any construction equipment such as cranes or any other equipment exceeding 45 feet in height will need a determination of "No Hazard" from the FAA. An FAA Form 7460-1 for any temporary objects will need be filed and approved by the FAA prior to operating such equipment on the project site during construction.

4. New development located within any of the Ontario International Airport Safety Zones are required to have a"Property Located within Ontario International Airport Safety Zone Notification appearing on the Property Deed and Title incorporating the following language:

NOTICE OF AIRPORT IN VICINITY: This property is presently located in the vicinity of an airport, within what is known as an airport influence area. For that reason, the property may be subject to some of the annoyances or inconveniences associated with proximity to airport operations (for example: noise, vibration, or odors). Individual sensitivities to those annoyances can vary from person to person. You may wish to consider what airport annoyances, if any, are associated with the property before you complete your purchase and determine whether they are acceptable to you.) The property is presently located in a Safety Zone which limits land uses and the number of people on site. Land uses are required to meet the policies and criteria of the Ontario International Airport Land Use Compatibility Plan.

5. This project is located within Safety Zone 2 and is required to file and record an Avigation Easement with the OIAA prior to obtaining a Certificate of Occupancy.

6. The applicant shall adhere to the conditions set forth in FAA Aeronautical Study No. 2022-AWP-11079-OE for a Determination of No Hazard to Air Navigation for a permanent structure.

CE No.: 2022-030

Intensity Calculations for PDEV22-025 PMTT22-017

Building 1 Intensity Calculations

			Load Factors	Sitewide Average Calculations (Zone 2 = 60 P/AC max)	Zone 2 Single Acre Land Use SF (Zone 2 = 120 P/AC max)
Building No.	**Proposed Land Use**	**Zone 2 Land Use SF**	**ALUCP Load Factor**	**ALUCP Load Factor**	
Building 1	Warehouse	183,145	1,000	**183**	**35.56**
	Office	8,000	215	**37**	**37**
Totals				**27**	**73**

Site Information

Safety Zone	Acreage	Square Footage
Zone 2	8.12	353,707
Totals	**8.12**	**353,707**

Sitewide Average Calculation	Single Acre Intensity Calculation
Safety Zone 2 = 27	Safety Zone 2 = 73

Site Wide Average Calculation is for Zone 2. ONT criteria for Zone 2 allows a maximum of 60 people. The proposed project would generate a site wide average of 27 people as indicated in the calculations above.

Single Acre Intensity Calculation is for Zone 2. ONT single acre criteria for Zone 2 allows a maximum of 120 people. The proposed project would generate a single acre intensity of 73 people as indicated in the above calculations.

CE No.: 2022-030

Intensity Calculations for PDEV22-025 PMTT22-017

Building 2 Intensity Calculations					
			Load Factors	Sitewide Average Calculations (Zone 2 = 60 P/AC max)	Zone 2 Single Acre Land Use SF (Zone 2 = 120 P/AC max)
Building No.	Proposed Land Use	Zone 2 Land Use SF	ALUCP Load Factor	ALUCP Load Factor	
Building 2	Warehouse	43,091	1,000	**43**	**40.09**
	Office	3,000	215	**14**	**14**
Totals				**30**	**54**

Site Information					
Safety Zone	Acreage	Square Footage			
Zone 2	1.92	83,635			
Totals	**1.92**	**83,635**			

Sitewide Average Calculation	Single Acre Intensity Calculation
Safety Zone 2 = 30	**Safety Zone 2 = 54**

Site Wide Average Calculation is for Zone 2. ONT criteria for Zone 2 allows a maximum of 60 people. The proposed project would generate a site wide average of 30 people as indicated in the calculations above.

Single Acre Intensity Calculation is for Zone 2. ONT single acre criteria for Zone 2 allows a maximum of 120 people. The proposed project would generate a single acre intensity of 54 people as indicated in the above calculations.

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2022-AWP-11079-OE

Issued Date: 08/10/2022

Jonah Chodosh
WPT Capital Advisors, LLC
2355 Main Street Suite 100
Irvine, CA 92614

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Commercial Use Building 627 Bon View Building 1
Location:	Ontario, CA
Latitude:	34-03-27.85N NAD 83
Longitude:	117-38-04.17W
Heights:	960 feet site elevation (SE) 45 feet above ground level (AGL) 1005 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

This determination expires on 02/10/2024 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.

(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

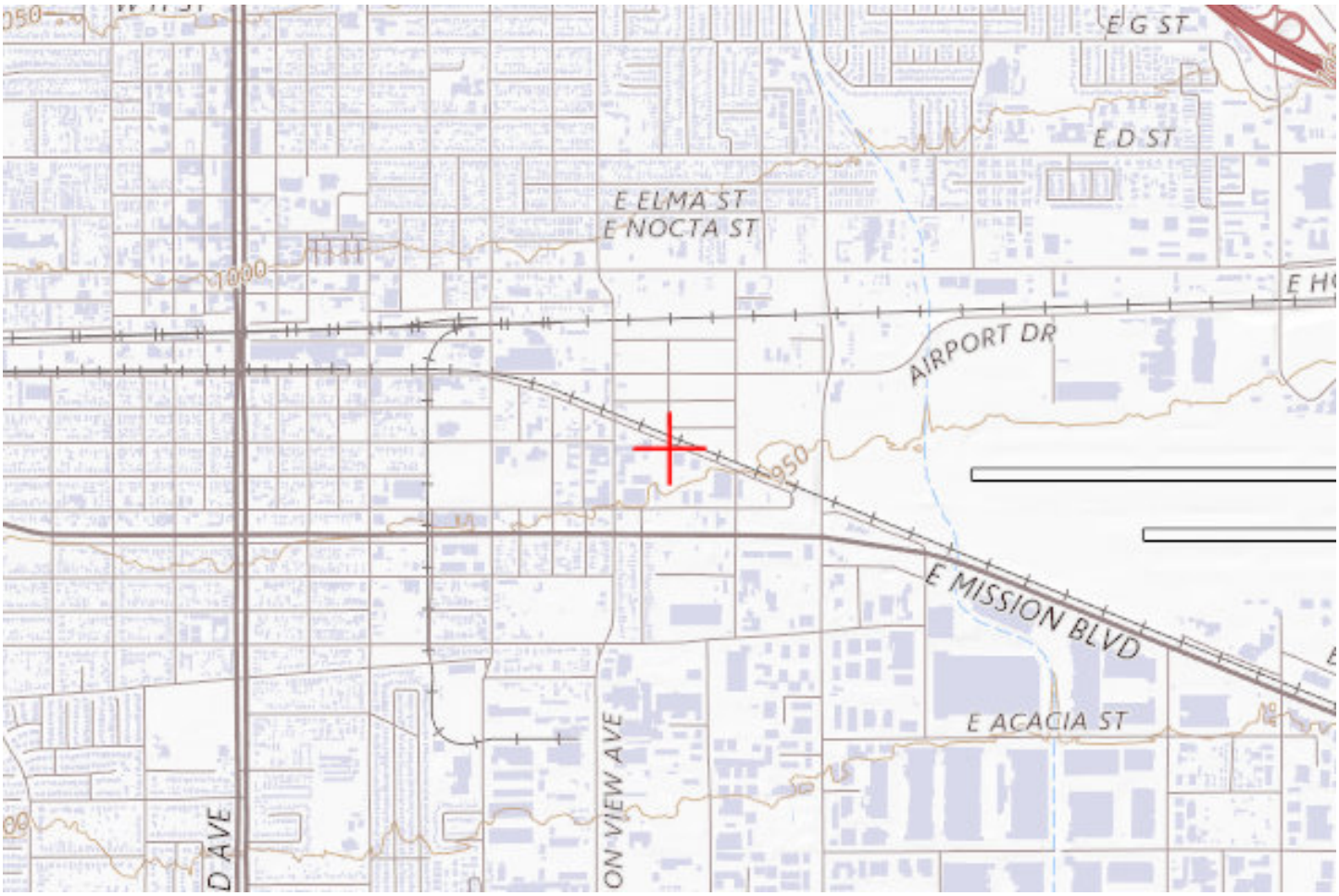
This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (847) 294-7575, or vivian.vilaro@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-AWP-11079-OE.

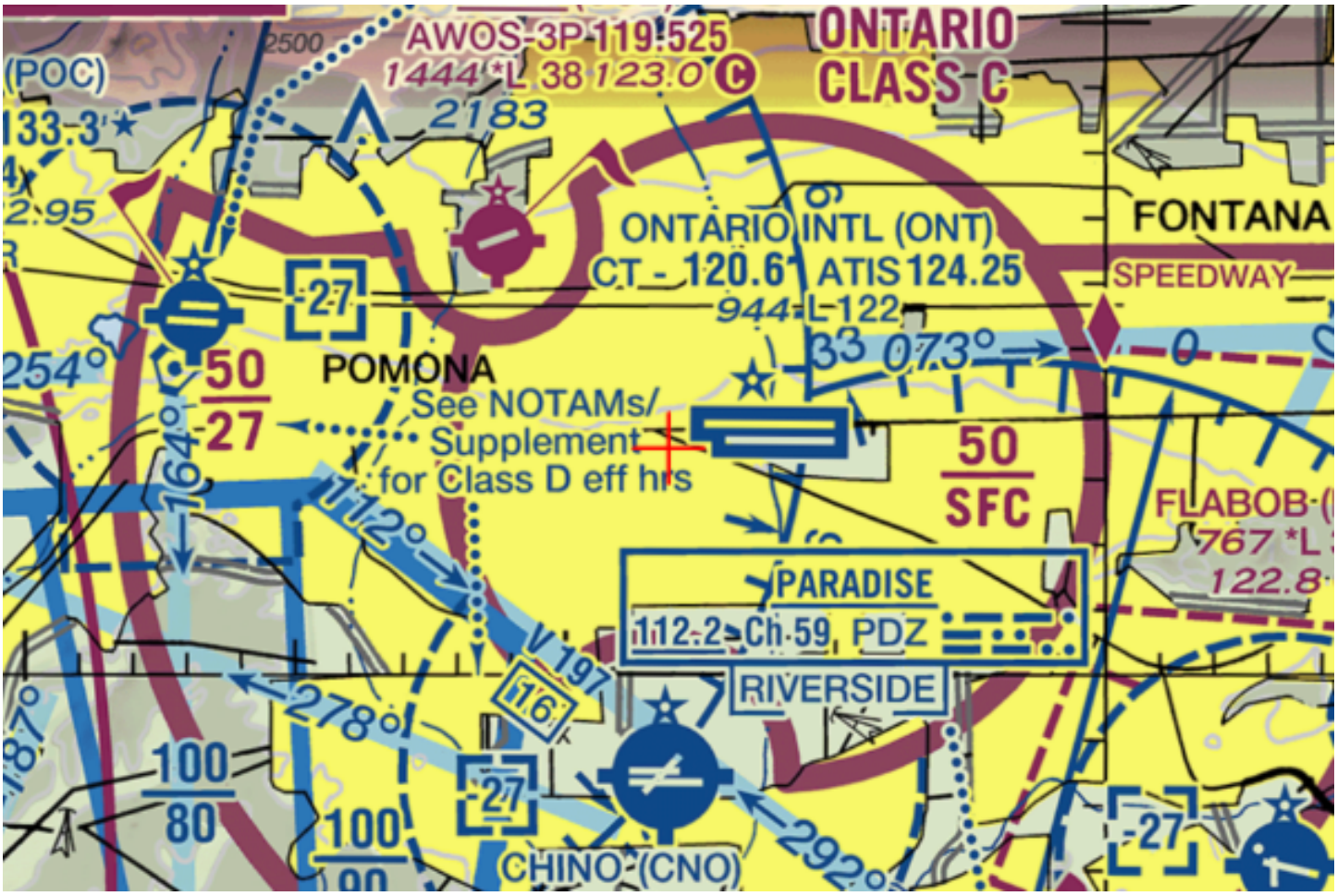
Signature Control No: 533084522-547436994 (DNE)
Vivian Vilaro
Specialist

Attachment(s)
Map(s)

TOPO Map for ASN 2022-AWP-11079-OE



Sectional Map for ASN 2022-AWP-11079-OE



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2022-AWP-11080-OE

Issued Date: 07/22/2022

Jonah Chodosh
WPT Capital Advisors, LLC
2355 Main Street Suite 100
Irvine, CA 92614

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Commercial Use Building 627 Bon View Building 2
Location:	Ontario, CA
Latitude:	34-03-21.32N NAD 83
Longitude:	117-38-03.25W
Heights:	951 feet site elevation (SE)
	42 feet above ground level (AGL)
	993 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

This determination expires on 01/22/2024 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.

(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

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This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.This determination includes all previously filed frequencies and power for this structure.

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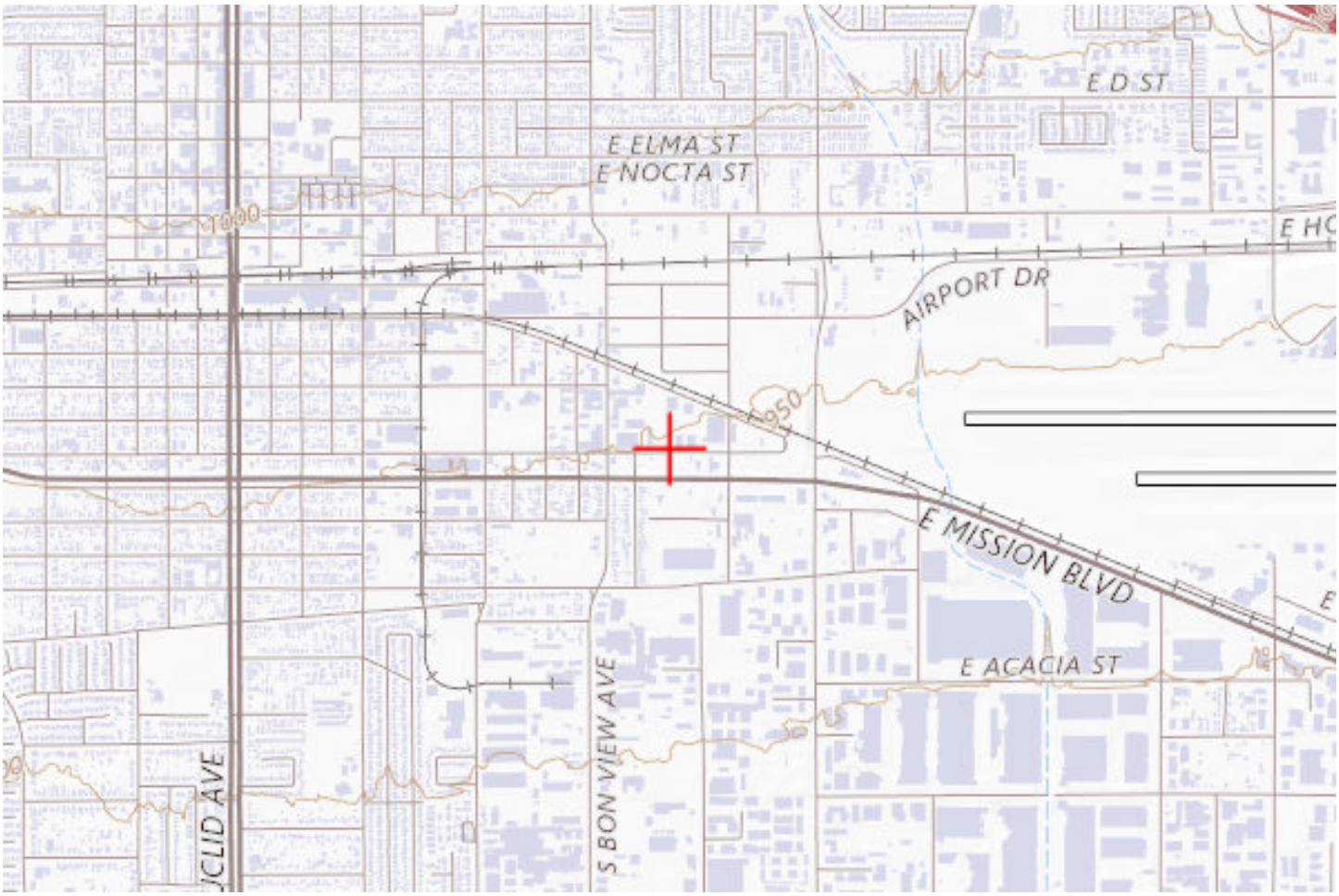
If we can be of further assistance, please contact our office at (847) 294-7575, or vivian.vilaro@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2022-AWP-11080-OE.

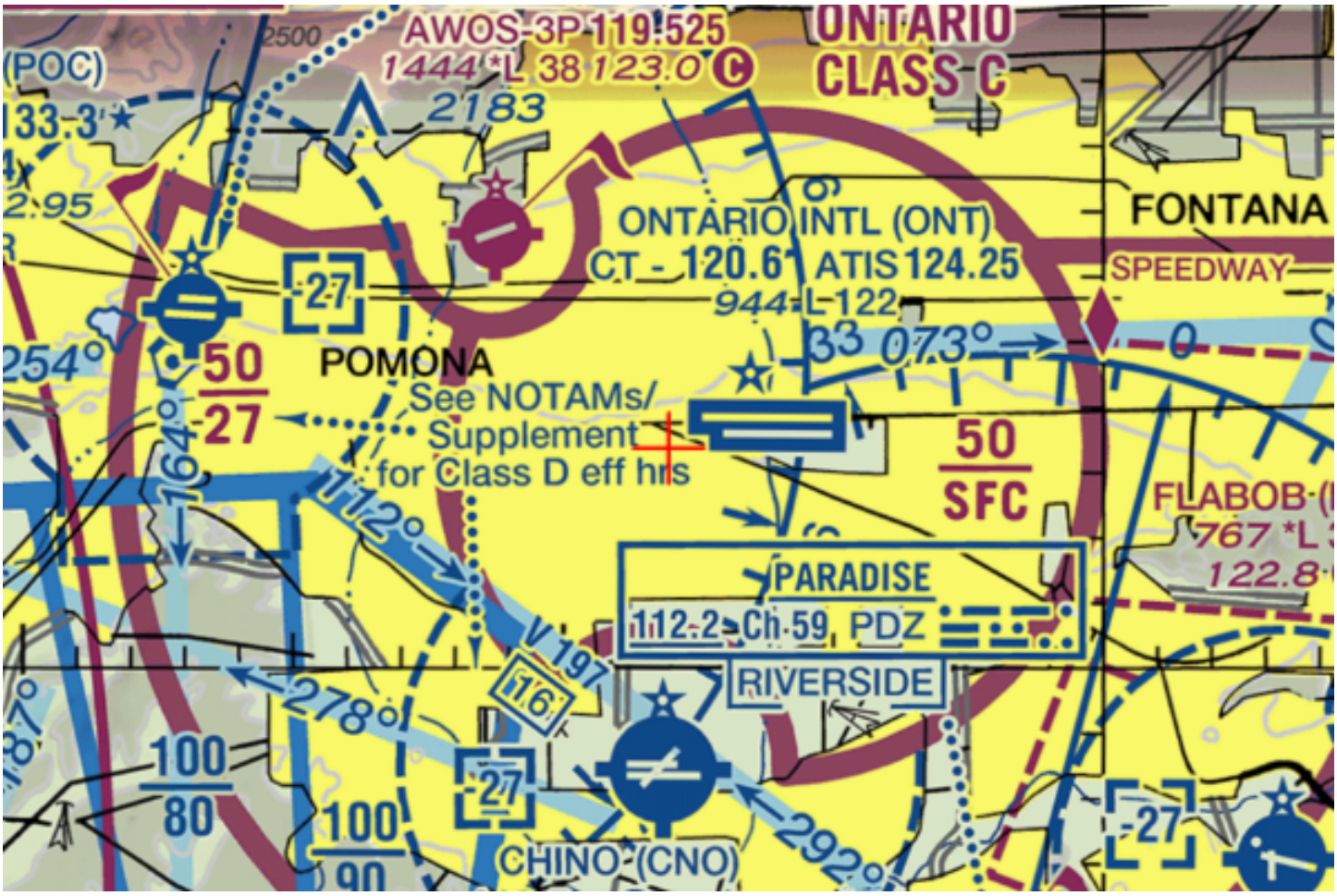
Signature Control No: 533084523-544547671 (DNE)
Vivian Vilaro
Specialist

Attachment(s)
Map(s)

TOPO Map for ASN 2022-AWP-11080-OE



Sectional Map for ASN 2022-AWP-11080-OE



CITY OF ONTARIO PLANNING DEPARTMENT

DEVELOPMENT ADVISORY BOARD DECISION

March 6, 2023

303 East B Street, Ontario, California 91764 Phone: 909.395.2036 / Fax: 909.395.2420

DECISION NO.: [insert #]

FILE NO.: PMTT22-028

DESCRIPTION: A public hearing to consider Tentative Parcel Map (TPM 20683), subdividing 9.11 acres of land into 4 parcels generally bordered by D Street to the north, Sultana Avenue to the east, B Street to the south, and Plum Avenue to the west on properties addressed as 320 East D Street, 425 East B Street, and 200 North Cherry Avenue, within the OL (Low Office Intensity) and CIV (Civic) zoning districts; (APN: 1048-541-15 and 1048-545-16); City Initiated. Planning Commission action is required.

PART 1: BACKGROUND & ANALYSIS

CITY OF ONTARIO, (herein after referred to as "Applicant") has filed an application requesting approval of a Tentative Parcel Map No. 20683, File No. PMTT22-028, as described in the subject of this Decision (herein after referred to as "Application" or "Project").

PROJECT SETTING: The Project site is comprised of 2 lots and 2 public street segments (Cherry Avenue and C Street) totaling 9.11 acres of land generally bordered by D Street to the north, Sultana Avenue to the east, B Street to the south, and Plum Avenue to the west, on properties addressed as 320 East D Street, 425 East B Street, and 200 North Cherry Avenue, and is depicted in Exhibit A: Project Location Map, attached. Existing land uses, Policy Plan (general plan) and zoning designations on and surrounding the Project site are as follows:

	Existing Land Use	***Policy Plan Land Use Designation***	***Zoning Designation***
Site:	Parking Lots, Fire Station & Civic Office Buildings	Mixed Use- Downtown & Public Facility	OL (Low Intensity Office) & CIV (Civic)
North:	Single-Family Residential	Medium Density Residential	MDR- 18 (Medium Density Residential – 11.1 to 18.0 du/ac)
South:	Multiple-Family Residential	Mixed Use- Downtown	Downtown Civic Center PUD
East:	Single-Family Residential/Parking Lot	Low Density Residential	LDR- 5 Low Density Residential
West:	City Library, Parking Lot & City Hall	Mixed Use- Downtown & Public Facility	OL (Low Intensity Office) & CIV (Civic)

PROJECT ANALYSIS:

(1) Background — On April 19, 2022, the City Council approved a Real Property Exchange Agreement with the University of La Verne ("ULV") for the mutual benefit of expanding the Ontario Civic Center campus to include the future Ontario-Montclair School District headquarters, centralize City Hall services with a new City Annex office building, a modernized fire station replacing the existing Fire Station No. 1, an 800- space parking structure, and a ULV College of Health. ULV exchanged approximately 2.4 acres of land, which currently serves as a parking lot, located at the southwest corner of Sultana Avenue and D Street, for 0.5-acre of land located at the northwest corner of Sultana Avenue and B Street, which is the current location of Fire Station No. 1, within the project site. The term of the agreement requires that the City deliver the "shovel ready" property to ULV, after demolition of Fire Station No. 1.

On December 5, 2022, the Development Advisory Board "DAB" approved the following applications:

(a) A Development Plan, File No. PDEV22-051, to establish a master conceptual site plan comprised of a 27,835-square-foot, 2-story fire station, a 60,000-square-foot, 4-story office building, and a 6-level parking structure on 4.83 acres of land located at the southwest corner East D Street and North Sultana Avenue, and north of the City Hall Annex building and Fire Station No. 1 on East B Street, within the Project site, and

(b) A Development Plan, File No. PDEV22-013, to construct a 23,928-square-foot, 2-story fire station, on approximately 1.20 acres of land located at the southwest corner of D street and Sultana Avenue, within the Project site. This new fire station will replace existing Fire Station No. 1.

On December 21, 2022, the City initiated Tentative Parcel Map File No. PMTT22-028, subdividing the 9.11-acre Project site into 4 parcels to facilitate the development of the master conceptual site plan pursuant to the terms of the property exchange agreement.

(2) Tentative Parcel Map — The proposed Tentative Parcel Map will subdivide 2 existing parcels into 4 parcels that range in size from 0.55 to 4.8 acres of land. The proposed lot sizes exceed the 7,200-square-foot minimum lot size required by the Development Code, as shown in Exhibit B: Tentative Parcel Map No. 20683.

(3) Site Access/Circulation — The portion of Cherry Avenue that currently circulates through the Project site will be vacated. This section will be utilized as a 2-way drive aisle that will circulate from B Street, through the site and connecting to D Street. This drive aisle will serve as the primary north-south circulation through the site.

Like Cherry Avenue, the portion of C Street that circulates through the Project site will also be vacated to facilitate the construction of the parking garage. Additionally, the existing west-east "exit only" driveway located along the southern portion of the Project site will be modified to accommodate 2-way traffic to and from the site.

Common areas and pedestrian connectivity to and through the Civic Center area is of major importance and will be prioritized through all phases of development. The Civic Center features landscaped pedestrian paseos and walkways designed with pavers, light fixtures, and plantings that will be continued into the Project area to further unify and create a "campus" setting.

PUBLIC NOTIFICATION: Public notification is not be required, as the Development Advisory Board is acting in its capacity as an advisory body to the Planning Commission. Public notification is required prior to the Planning Commission hearing on the Project.

CORRESPONDENCE: As of the preparation of this Decision, Planning Department staff has not received any written or verbal communications from the owners of properties surrounding the project site or from the public in general, regarding the subject application.

AGENCY/DEPARTMENT REVIEWS: Each City agency/department has been provided the opportunity to review and comment on the subject application and recommend conditions of approval to be imposed upon the application. At the time of the Decision preparation, recommended conditions of approval were provided and are included with this Decision.

AIRPORT LAND USE COMPATIBILITY PLAN (ALUCP) COMPLIANCE: The California State Aeronautics Act (Public Utilities Code Section 21670 et seq.) requires that an Airport Land Use Compatibility Plan be prepared for all public use airports in the State; and requires that local land use plans and individual development proposals must be consistent with the policies set forth in the adopted Airport Land Use Compatibility Plan.

On April 19, 2011, the City Council of the City of Ontario approved and adopted the ONT ALUCP, establishing the Airport Influence Area for Ontario International Airport, which encompasses lands within parts of San Bernardino, Riverside, and Los Angeles Counties, and limits future land uses and development within the Airport Influence Area, as they relate to noise, safety, airspace protection, and overflight impacts of current and future airport activity. As the recommending body for the Project, the Development Advisory Board has reviewed and considered the facts and information contained in the Application and supporting documentation against the ONT ALUCP compatibility factors, including [1] Safety Criteria (ONT ALUCP Table 2-2) and Safety Zones (ONT ALUCP Map 2-2), [2] Noise Criteria (ONT ALUCP Table 2-3) and Noise Impact Zones (ONT ALUCP Map 2-3), [3] Airspace protection Zones (ONT ALUCP Map 2-4), and [4] Overflight Notification Zones (ONT ALUCP Map 2-5). As a result, the Development Advisory Board, therefore, finds and determines that the Project, when implemented in conjunction with the conditions of approval, will be consistent with the policies and criteria set forth within the ONT ALUCP.

COMPLIANCE WITH THE ONTARIO PLAN: The proposed Project is consistent with the principles, goals and policies contained within the Vision, Governance, Policy Plan (general plan), and City Council Priorities components of The Ontario Plan ("TOP"). More

specifically, the goals and policies of TOP that are furthered by the proposed project are as follows:

(1) City Council Goals.

- Invest in the Growth and Evolution of the City's Economy
- Maintain the Current High Level of Public Safety
- Operate in a Businesslike Manner
- Focus Resources in Ontario's Commercial and Residential Neighborhoods
- Invest in the City's Infrastructure (Water, Streets, Sewers, Parks, Storm Drains and Public Facilities)

(2) Vision.

Distinctive Development:

- Commercial and Residential Development

➢ Development quality that is broadly recognized as distinctive and not exclusively tied to the general suburban character typical of much of Southern California.

(3) Governance.

Decision Making:

- Goal G1: Sustained decision-making that consistently moves Ontario towards its Vision by using The Ontario Plan as a framework for assessing choices.

➢ G 1-2. Long-term Benefit. We require decisions to demonstrate and document how they add value to the community and support the Ontario Vision.

(4) Policy Plan (General Plan)

Land Use Element:

- Goal LU-1 Balance: A community that has a spectrum of housing types and price ranges that match the jobs in the City and that make it possible for people to live and work in Ontario and maintain a quality of life.

➢ LU-1.1 Strategic Growth. We concentrate growth in strategic locations that help create place and identity, maximize available and planned infrastructure, foster the development of transit, and support the expansion of the active and multimodal transportation networks throughout the City.

➢ LU-1.6 Complete Community. We incorporate a variety of land uses and building types in our land use planning efforts that result in a complete community where

residents at all stages of life, employers, workers, and visitors have a wide spectrum of choices of where they can live, work, shop and recreate within Ontario.

- Goal LU-2 Compatibility: Compatibility between a wide range of uses and a resultant urban patterns and forms.

  - LU-2.6 Infrastructure Compatibility. We require infrastructure to be aesthetically pleasing and in context with the community character.

Community Economics Element:

- Goal CE-2 Placemaking: A City of distinctive neighborhoods, districts, corridors, and centers where people choose to be.

  - CE-2.1 Development Projects. We require new development and redevelopment to create unique, high-quality places that add value to the community.

  - CE-2.2 Development Review. We require those proposing new development and redevelopment to demonstrate how their projects will create appropriately unique, functional, and sustainable places that will compete well with their competition within the region.

  - CE-2.4 Protection of Investment. We require that new development and redevelopment protect existing investment by providing architecture and urban design of equal or greater quality.

Safety Element:

- Goal S-1 Seismic & Geologic Hazards: Minimized risk of injury, loss of life, property damage, and economic and social disruption caused by earthquake-induced and other geologic hazards.

  - S-1.1 Implementation of Regulations and Standards. We require that all new habitable structures be designed in accordance with the most recent California Building Code adopted by the City, including provisions regarding lateral forces and grading.

Community Design Element:

- Goal CD-1 Image & Identity: A dynamic, progressive city containing distinct and complete places that foster a positive sense of identity and belonging among residents, visitors, and businesses.

  - CD-1.1 City Identity. We take actions that are consistent with the City being a leading urban center in Southern California while recognizing, enhancing, and preserving the character of our existing viable neighborhoods.

- CD-1.2 Place Types. We establish Place Types in urban, mixed use, and transit-oriented areas to foster the City's identity as a premier community and require new development within each Place Type to incorporate prescribed urban patterns, forms, and placemaking priorities.

- CD-1.3 Existing Neighborhoods. We require the existing character of viable residential and non-residential neighborhoods be preserved, protected, and enhanced.

- Goal CD-2 Design Quality: A high level of design quality resulting in neighborhoods, public spaces, parks, and streetscapes that are attractive, safe, functional, human-scale, and distinct.

- CD-2.8 Safe Design. We incorporate defensible space design into new and existing developments to ensure the maximum safe travel and visibility on pathways, corridors, and open space and at building entrances and parking areas by avoiding physically and visually isolated spaces, maintaining visibility and accessibility, and using lighting.

- Goal CD-3 Urban, Mixed Use, and Transit-Oriented Place Types: Vibrant urban environments that are organized around intense buildings, pedestrian and transit areas, public plazas, and linkages between and within developments that are conveniently located, visually appealing and safe during all hours.

- CD-3.2 Comfortable, Human-Scale Public Realm. We require that public spaces, including streets, parks, and plazas on both public and private property be designed to maximize safety, comfort and aesthetics and connect to the citywide pedestrian, vehicular, and bicycle networks.

- *CD-3.3* Complete and Connected Network. We require that pedestrian, vehicular, and bicycle circulation on both public and private property be coordinated to provide connections internally and externally to adjacent neighborhoods and properties (existing and planned) through a system of local roads and trails that promote walking and biking to nearby destinations (including existing and planned parks, commercial areas, and transit stops) and are designed to maximize safety, comfort, and aesthetics.

- CD-3.4 Context-Aware and Appropriate Design. We require appropriate building and site design that complements existing development, respects the intent and identity of the Place Type, and provides appropriate transitions and connections between adjacent uses to ensure compatibility of scale, maintain an appropriate level of privacy for each use, and minimize potential conflicts.

- Goal CD-5 Protection of Investment: A sustained level of maintenance and improvement of properties, buildings, and infrastructure that protects the property values and encourages additional public and private investments.

- CD-5.2 Maintenance of Infrastructure. We require the continual maintenance of infrastructure.

HOUSING ELEMENT COMPLIANCE: The project is consistent with the Housing Element of the Policy Plan (general plan) component of The Ontario Plan, as the project site is not one of the properties in the Housing Element Sites contained in Tables B-1 and B-2 (Housing Element Sites Inventory) of the Housing Element Technical Report.

PART 2: RECITALS

WHEREAS, the Application is a Project pursuant to the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) ("CEQA") and an initial study has been prepared to determine possible environmental impacts; and

WHEREAS, the Project is exempt from CEQA pursuant to a categorical exemption (listed in CEQA Guidelines Article 19, commencing with Section 15300) and the application of that categorical exemption is not barred by one of the exceptions set forth in CEQA Guidelines Section 15300.2; and

WHEREAS, Ontario Development Code Table 2.02-1 (Review Matrix) grants the Development Advisory Board (hereinafter referred to as "DAB") the responsibility and authority to review and make recommendation to the Planning Commission on the subject Application; and

WHEREAS, all members of the DAB of the City of Ontario were provided the opportunity to review and comment on the Application, and no comments were received opposing the proposed development; and

WHEREAS, the Project has been reviewed for consistency with the Housing Element of the Policy Plan component of The Ontario Plan, as State Housing Element law (as prescribed in Government Code Sections 65580 through 65589.8) requires that development projects must be consistent with the Housing Element, if upon consideration of all its aspects, it is found to further the purposes, principals, goals, and policies of the Housing Element; and

WHEREAS, the Project is located within the Airport Influence Area of Ontario International Airport, which encompasses lands within parts of San Bernardino, Riverside, and Los Angeles Counties, and is subject to, and must be consistent with, the policies and criteria set forth in the Ontario International Airport Land Use Compatibility Plan (hereinafter referred to as "ONT ALUCP"), which applies only to jurisdictions within San Bernardino County, and addresses the noise, safety, airspace protection, and overflight impacts of current and future airport activity; and

WHEREAS, City of Ontario Development Code Division 2.03 (Public Hearings) prescribes the manner in which public notification shall be provided and hearing

procedures to be followed, and all such notifications and procedures have been completed; and

WHEREAS, on March 6, 2023, the DAB of the City of Ontario conducted a hearing on the Application and concluded said hearing on that date; and

WHEREAS, all legal prerequisites to the adoption of this Decision have occurred.

PART 3: THE DECISION

NOW, THEREFORE, IT IS HEREBY FOUND, DETERMINED AND DECIDED by the Development Advisory Board of the City of Ontario as follows:

SECTION 1: Environmental Determination and Findings. As the recommending body for the Project, the DAB has reviewed and considered the information contained in the administrative record for the Project, including all written and oral evidence provided during the comment period. Based upon the facts and information contained in the administrative record, including all written and oral evidence presented to the DAB, the DAB finds as follows:

(1) The Project is categorically exempt from the requirements of the California Environmental Quality Act (CEQA) pursuant to Section 15315 (Class 15- Minor Land Divisions) of the CEQA Guidelines, and meets all of the following conditions:

(a) *The Project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations*. The proposed Project is located within the Mixed Use (Downtown Mixed Use) and PF (Public Facility) and the Mixed Use land use district of the Policy Plan (general plan) Land Use Map, and the OL (Low Intensity Office) and CIV (Civic) zoning districts. The proposed Project is consistent with all applicable policies of the Policy Plan and meets or exceeds the minimum requirements of the OL (Low Intensity Office) and CIV (Civic) zoning designations and all other applicable Development Code regulations.

(b) *The division of property is in an urbanized area zoned for commercial use into four or fewer parcels.* The Project proposes the subdivision of 2 existing parcels in to 4 parcels of land. The proposed Project is located within the City's fully developed downtown and civic center, a well-established urbanized area that was developed over a period of several decades, within the OL (Low Intensity Office) and CIV (Civic) zoning districts.

(c) *The Project site can be adequately served and accessible.* The portion of Cherry Avenue that currently circulates through the Project site will be vacated. This street portion will be utilized as a 2-way drive aisle that will circulate through the site and connect B Street to D Street. This drive aisle will serve as the primary north-south circulation through the site providing access to the site. Furthermore, the existing one-way drive aisle

that runs west-east on the southern edge of Parcel 2 will be modified to a accommodate a 2-way drive aisle.

(d) *The Project site was not involved in a division of a larger parcel within the previous 2 years and does not has average slope greater than 20 percent.* The Project site, which has a slope of less than one percent, contains development that was constructed between the 1960s and 1980s with no subdivision activity since.

(2) The application of the categorical exemption is not barred by one of the exceptions set forth in CEQA Guidelines Section 15300.2; and

(3) The determination of CEQA exemption reflects the independent judgment of the DAB.

SECTION 2: Concluding Facts and Reasons. Based upon the substantial evidence presented to the DAB during the above-referenced hearing and upon the facts and information set forth in Parts I (Background and Analysis) and II (Recitals), above, and the determinations set forth in Section 1 above, the DAB hereby concludes as follows:

(1) *The proposed Tentative Parcel Map is consistent with the goals, policies, plans, and exhibits of the Vision, Policy Plan (General Plan), and City Council Priorities components of The Ontario Plan, and applicable area and specific plans, and planned* unit developments. The proposed Tentative Tract/Parcel Map is located within the Mixed Use (Downtown Mixed Use) and PF (Public Facility) land use district of the Policy Plan Land Use Map, and the OL (Low Intensity Office) and CIV (Civic) zoning district. The proposed subdivision is consistent with the goals, policies, plans, and exhibits of the Vision, Policy Plan (General Plan), and City Council Priorities components of The Ontario Plan, as the Project will contribute to the establishment of "[a] dynamic, progressive city containing distinct and complete places that foster a positive sense of identity and belonging among residents, visitors, and businesses" (Goal CD-1). Furthermore, the Project will promote the City's policy to "take actions that are consistent with the City being a leading urban center in Southern California while recognizing, enhancing, and preserving the character of our existing viable neighborhoods" (Policy CD-1.1 *City Identity).*

(2) *The design or improvement of the proposed Tentative Parcel Map is consistent with the goals, policies, plans and exhibits of the Vision, Policy Plan (General Plan), and City Council Priorities components of The Ontario Plan, and applicable specific plans and planned unit developments.* The proposed Tentative Tract/Parcel Map is located within the Mixed Use (Downtown Mixed Use) and PF (Public Facility) land use district of the Policy Plan Land Use Map, and the OL (Low Intensity Office) and CIV (Civic) zoning district. The proposed design or improvement of the subdivision is consistent with the goals, policies, plans, and exhibits of the Vision, Policy Plan (General Plan), and City Council Priorities components of The Ontario Plan, as the Project will provide "[a] high level of design quality resulting in neighborhoods, commercial areas, public spaces, parks, and streetscapes that are attractive, safe, functional, human-scale, and distinct" (Goal

CD- 2). Furthermore, the Project will promote the City's policy to "collaborate with the development community to design and build neighborhoods, streetscapes, sites, outdoor spaces, landscaping, and buildings to reduce energy demand through solar orientation, maximum use of natural daylight, passive solar and natural ventilation, building form, mechanical and structural systems, building materials, and construction techniques" (Policy CD-2.7 *Sustainability).*

(3) *The site is physically suitable for the type of development proposed.* The Project site meets the minimum lot area and dimensions of the OL (Low Intensity Office) and CIV (Civic) zoning district and is physically suitable for the type of mixed-use development proposed in terms of zoning, land use and development activity proposed, and existing and proposed site conditions.

(4) *The site is physically suitable for the intensity of development proposed.* The Project site is proposed for mix-use development at a floor area ratio of 0.75 and 2.0. The Project site meets the minimum lot area and dimensions of the OL (Low Intensity Office) and CIV (Civic) zoning district and is physically suitable for this proposed intensity of development.

(5) *The design of the subdivision or the proposed improvements thereon, are not likely to cause substantial environmental damage, or substantially and avoidably injure fish or wildlife, or their habitat.* The Project site is not located in an area that has been identified as containing species identified as a candidate, sensitive, or special status species in local or regional plans, policies or regulations or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service, nor does the site contain any riparian habitat or other sensitive natural community, and no wetland habitat is present on site; therefore, the design of the subdivision, or improvements proposed thereon, are not likely to cause substantial environmental damage, or substantially and avoidably injure fish or wildlife, or their habitat.

(6) *The design of the subdivision, or the type of improvements thereon, are not likely to cause serious public health problems.* The design of the proposed subdivision, and the improvements existing or proposed on the Project site, are not likely to cause serious public health problems, as the Project is not anticipated to involve the transport, use, or disposal of hazardous materials during either construction or Project implementation, include the use of hazardous materials or volatile fuels, nor are there any known stationary commercial or industrial land uses within close proximity to the subject site that use/store hazardous materials to the extent that they would pose a significant hazard to visitors or occupants to the Project site.

(7) *The design of the subdivision, or the type of improvements thereon, will not conflict with easements acquired by the public at large for access through, or use of property within, the proposed subdivision.* The proposed subdivision has provided for all necessary public easements and dedications for access through, or use of property within, the proposed subdivision. Furthermore, all such public easements and dedications have been designed pursuant to: (a) the requirements of the Policy Plan component of The Ontario Plan and applicable area plans; (b) applicable specific plans or planned unit

developments; (c) applicable provisions of the City of Ontario Development Code; (d) applicable master plans and design guidelines of the City; and (e) applicable Standard Drawings of the City.

SECTION 3: Development Advisory Board Action. Based on the findings and conclusions set forth in Sections 1 and 2, above, the DAB hereby recommends the Planning Commission APPROVE the Application subject to each and every condition set forth in the Conditions of Approval included as Attachment A of this Decision and incorporated herein by this reference.

SECTION 4: Custodian of Records. The documents and materials that constitute the record of proceedings on which these findings have been based are located at the City of Ontario City Hall, 303 East "B" Street, Ontario, California 91764. The custodian for these records is the City Clerk of the City of Ontario. The records are available for inspection by any interested person, upon request.

- - - - - - - - - - - - -

APPROVED AND ADOPTED this 6th day of March 2023.

Development Advisory Board Chairman

Exhibit A: PROJECT LOCATION MAP

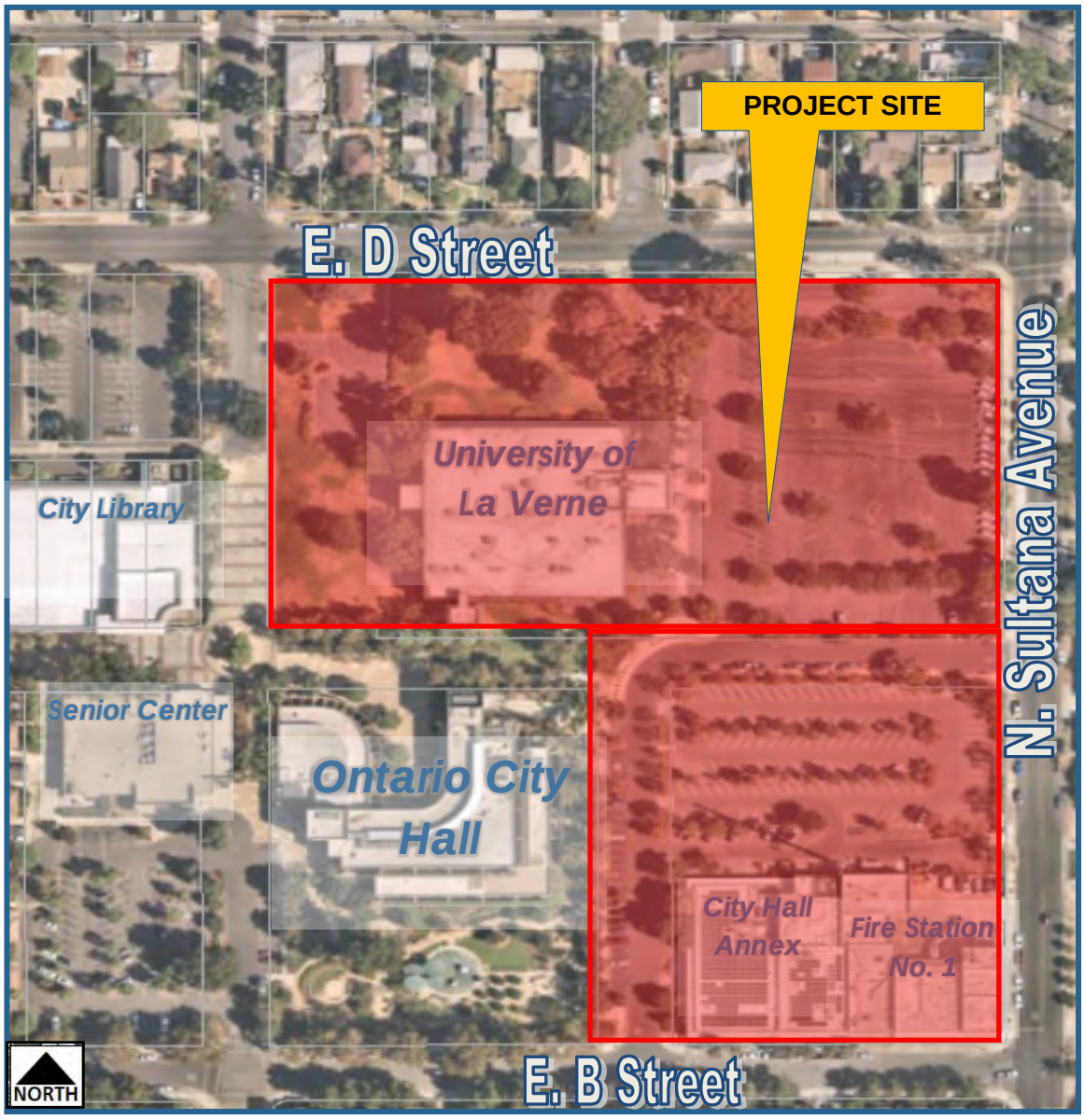


Exhibit B: Tentative Parcel Map 20683

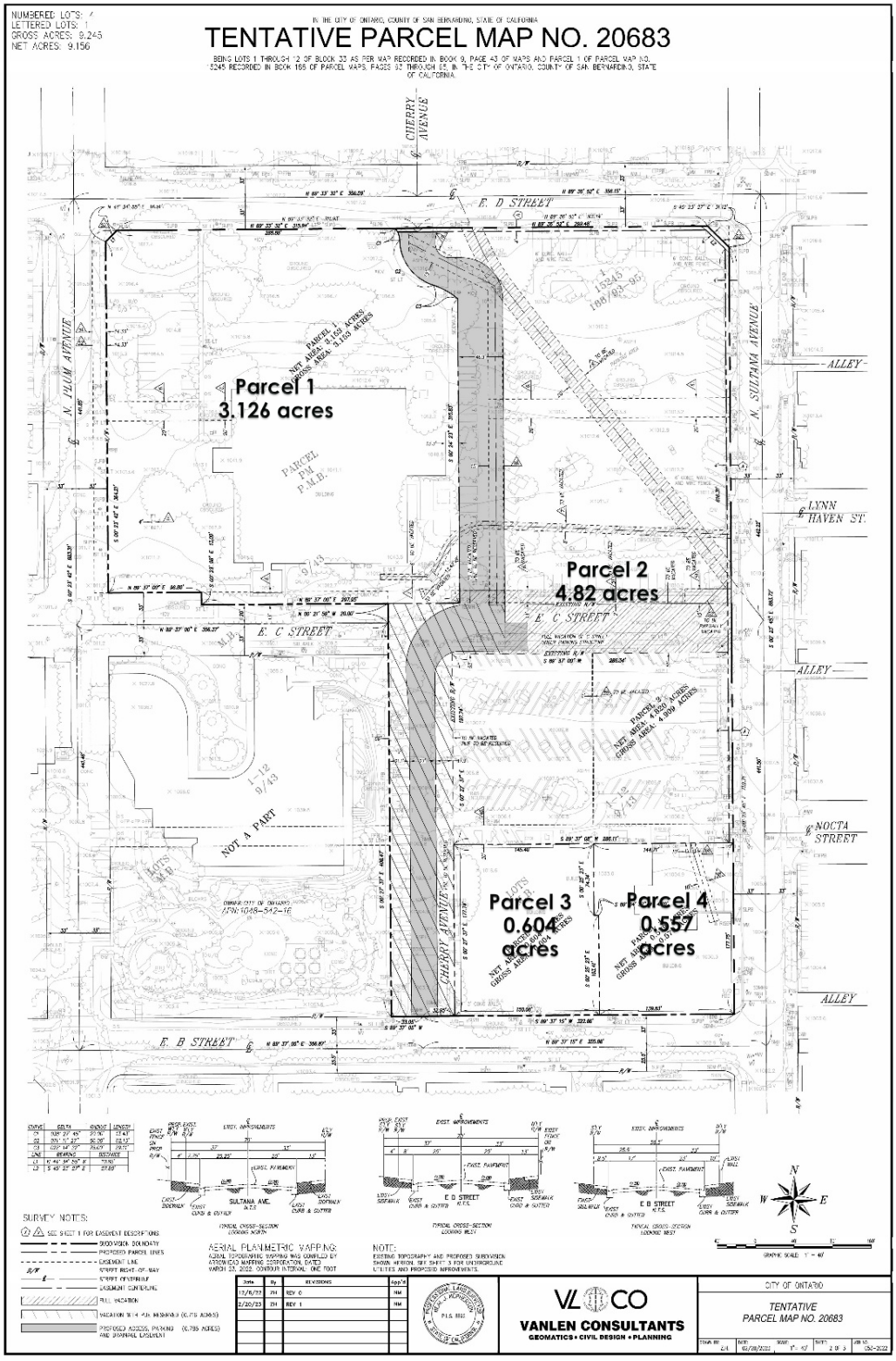
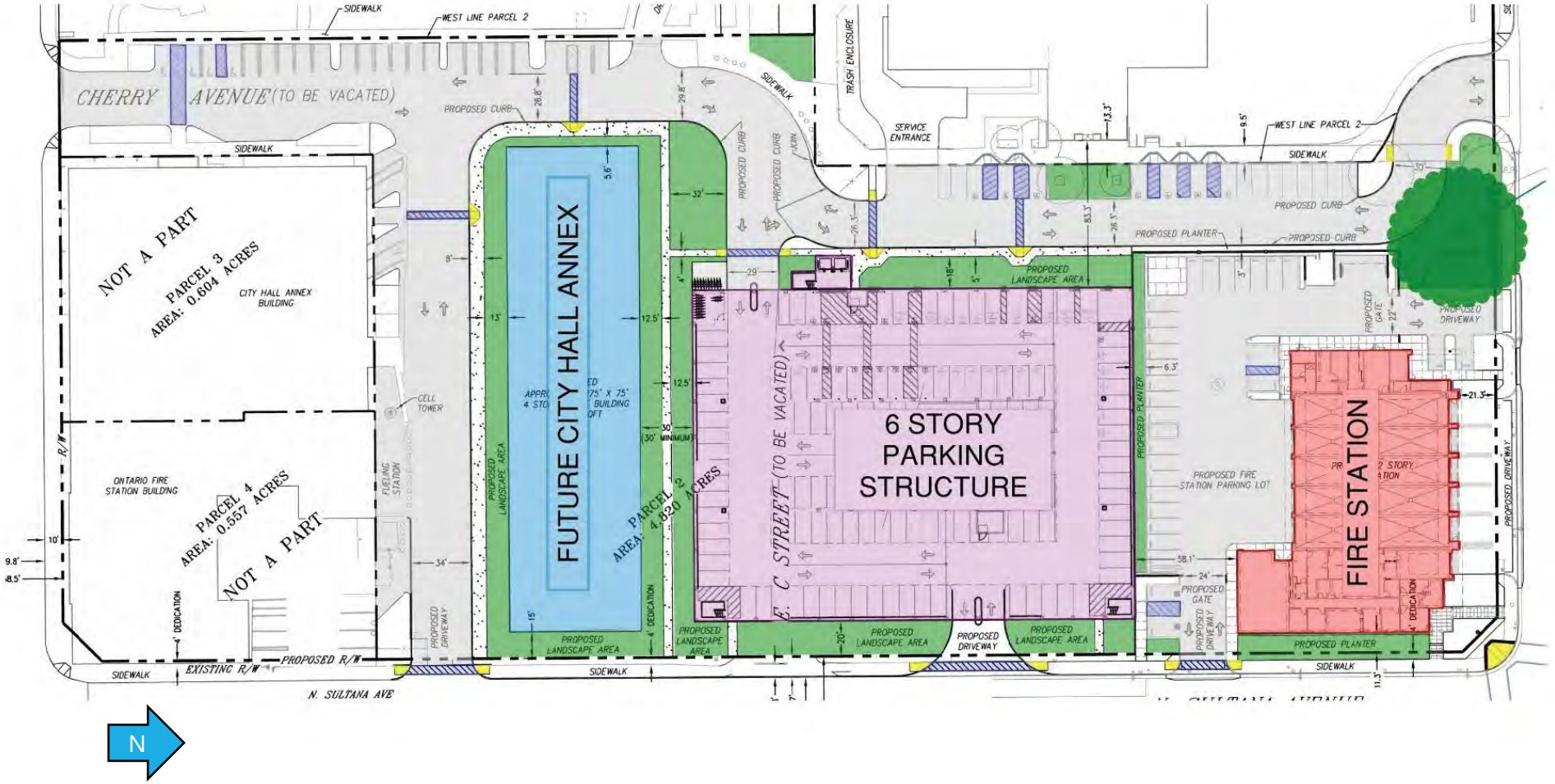


Exhibit C: Conceptual Master Site Plan



Attachment A: Conditions of Approval

(Conditions of Approval follow this page)

LAND DEVELOPMENT DIVISION CONDITIONS OF APPROVAL

303 East B Street, Ontario, California 91764 Phone: 909.395.2036 / Fax: 909.395.2420

Date Prepared: 3/6/2023

File No: PMTT22-028

Related Files: PDEV22-051

Project Description: A Tentative Parcel Map (TPM 20683) to subdivide 9.11 acres of land into 4 parcels generally bordered by D Street to the north, Sultana Avenue to the east, B Street to the south, and Plum Avenue to the west, on properties addressed as 320 East D Street, 425 East B Street, and 200 North Cherry Avenue, within the OL (Low Office Intensity) and CIV zoning districts; (APN(s): 1048-541-15 and 1048-545-16); City Initiated.

Prepared By: Diane Ayala, Senior Planner
Phone: 909.395.2428 (direct)
Email: dayala@ontarioca.gov

The Planning Department, Land Development Section, conditions of approval applicable to the above-described Project, are listed below. The Project shall comply with each condition of approval listed below:

1.0 Standard Conditions of Approval. The project shall comply with the *Standard Conditions for New Development*, adopted by City Council Resolution No. 2017-027 on April 18, 2017. A copy of the *Standard Conditions for New Development* may be obtained from the Planning Department or City Clerk/Records Management Department.

2.0 Special Conditions of Approval. In addition to the *Standard Conditions for New Development* identified in condition no. 1.0, above, the project shall comply with the following special conditions of approval:

2.1 Time Limits.

(a) Tentative Parcel Map approval shall become null and void 2 years following the effective date of application approval, unless the final parcel/tract map has been recorded, or a time extension has been approved by the Planning Commission pursuant to Development Code Section 2.02.025 (Time Limits and Extensions). This Permit does not supersede any individual time limits specified herein for performance of specific conditions or improvements.

2.2 Subdivision Map.

(a) The Final Parcel Map shall be in conformance with the approved Tentative Tract/Parcel Map on file with the City. Variations rom the approved Tentative Tract/Parcel Map may be reviewed and approved by the Planning Department. A substantial variation from the

approved Tentative Parcel Map may require review and approval by the Planning Commission, as determined by the Planning Director.

(b) Tentative Parcel Map approval shall be subject to all conditions, requirements and recommendations from all other departments/agencies provided on the attached reports/memorandums.

(c) Pursuant to California Government Section 66474.9, the subdivider agrees that it will defend, indemnify, and hold harmless the City of Ontario or its agents, officers and employees from any claim, action or proceeding against the City of Ontario or its agents, officers or employees to attack, set aside, void or annul any approval of the City of Ontario, whether by its City Council, Planning Commission or other authorized board or officer of this subdivision, which action is brought within the time period provided for in Government Code Section 66499.37. The City of Ontario shall promptly notify the subdivider of any such claim, action or proceeding and the City of Ontario shall cooperate fully in the defense.

2.3 General Requirements. The Project shall comply with the following general requirements:

(a) All construction documentation shall be coordinated for consistency, including, but not limited to, architectural, structural, mechanical, electrical, plumbing, landscape and irrigation, grading, utility, and street improvement plans. All such plans shall be consistent with the approved entitlement plans on file with the Planning Department.

(b) The project site shall be developed in conformance with the approved plans on file with the City. Any variation from the approved plans must be reviewed and approved by the Planning Department prior to building permit issuance.

(c) The herein-listed conditions of approval from all City departments shall be included in the construction plan set for project, which shall be maintained on site during project construction.

2.4 Development Plan. The Project shall comply with the following general requirements:

(a) Prior to issuance of building permits for the parking structure or City Hall Annex building, approval of Development Plan(s) by the Development Advisory Board or Planning Commission, if determined necessary by the Planning Director is required. All construction documentation shall be coordinated for consistency, including, but not limited to, architectural, structural, mechanical, electrical, plumbing, landscape and irrigation, grading, utility and street improvement plans. All such plans shall be consistent with the approved entitlement plans on file with the Planning Department.

2.5 Architecture and Site Design.

(a) A landscaped parkway, meeting City Standard, shall be installed along Sultana avenue frontage from the parking garage and terminating at the northwest corner of B street.

(b) The distance between the parking garage and the proposed City Hall Annex (office) building shall be no less than 30-Feet in width and shall serve as the primary, fully

landscaped pedestrian connection from the east neighborhood, parking garage, and office building to the existing Civic Center pedestrian pathway/paseo.

(c) Pedestrian connectivity to, from, and thru the project area is extremely important. The Civic Center features landscaped pedestrian paseos and walkways designed with pavers, light fixtures, and plantings. This theme shall be carried throughout the project to achieve a "campus" setting.

(d) The drive aisle west of the parking structure where the aisle turns should be considered a major pedestrian pathway which connects the future office building and parking structure users to the existing pathway, city hall employee entrance, and the University of La Verne. This area should be designed with matching pavers and decorative paving found on the Civic Center campus to enhance the pedestrian experience and to alert drivers in the change of dual use.

(e) Special emphasis of illuminating open space and buildings shall be given. Lighting of walkways, entries, and building/façade shall be decorative and compatible with the Civic Center design theme.

(f) The new buildings and overall site design should appear to fit in contextually with existing surrounding buildings by using similar proportions, articulation, building details and building material.

(g) Architecture should embody elements that break up horizontal and vertical massing and are aesthetically pleasing.

(h) The existing one-way drive aisle located at the southern portion of the site shall be modified to accommodate two-way traffic. Additionally, a 10-Foot wide "pullout" area shall be constructed to access fuel pumps without impeding upon vehicular movement. Special consideration shall be made to improve safe pedestrian crossing from the existing city hall annex building to the new office building.

2.6 Landscaping.

(a) The Project shall provide and continuously maintain landscaping and irrigation systems in compliance with the provisions of Ontario Development Code Division 6.05 (Landscaping).

(b) Comply with the conditions of approval of the Planning Department; Landscape Planning Division.

(c) Landscaping shall not be installed until the Landscape and Irrigation Construction Documentation Plans required by Ontario Development Code Division 6.05 (Landscaping) have been approved by the Landscape Planning Division.

(d) Changes to approved Landscape and Irrigation Construction Documentation Plans, which affect the character or quantity of the plant material or irrigation system design, shall be resubmitted for approval of the revision by the Landscape Planning Division, prior to the commencement of the changes.

2.7 Walls and Fences. All Project walls and fences shall comply with the requirements of Ontario Development Code Division 6.02 (Walls, Fences and Obstructions).

2.8 Parking, Circulation and Access.

(a) The Project shall comply with the applicable off-street parking, loading, and lighting requirements of City of Ontario Development Code Division 6.03 (Off-Street Parking and Loading).

(b) Parking spaces specifically designated and conveniently located for use by the physically disabled shall be provided pursuant to current accessibility regulations contained in State law (CCR Title 24, Part 2, Chapters 2B71, and CVC Section 22507.8).

(c) Bicycle parking facilities, including bicycle racks, lockers, and other secure facilities, shall be provided in conjunction with development projects pursuant to current regulations contained in CALGreen (CAC Title 24, Part 11).

2.9 Site Lighting.

(a) All off-street parking facilities shall be provided with nighttime security lighting pursuant to Ontario Municipal Code Section 4-11.08 (Special Residential Building Provisions) and Section 4-11.09 (Special Commercial/Industrial Building Provisions), designed to confine emitted light to the parking areas. Parking facilities shall be lighted from sunset until sunrise, daily, and shall be operated by a photocell switch.

(b) Unless intended as part of a master lighting program, no operation, activity, or lighting fixture shall create illumination on any adjacent property.

2.10 Security Standards. The Project shall comply with all applicable requirements of Ontario Municipal Code Title 4 (Public Safety), Chapter 11 (Security Standards for Buildings).

2.11 Sound Attenuation. The Project shall be constructed and operated in a manner so as not to exceed the maximum interior and exterior noised levels set forth in Ontario Municipal Code Title 5 (Public Welfare, Morals, and Conduct), Chapter 29 (Noise).

2.12 Disclosure Statements.

(a) A copy of the Public Report from the Department of Real Estate, prepared for the subdivision pursuant to Business and Professions Code Section 11000 et seq., shall be provided to each prospective buyer of the residential units and shall include a statement to the effect that:

(i) This tract is subject to noise from the Ontario International Airport and may be more severely impacted in the future.

2.13 Environmental Requirements.

(a) If human remains are found during project grading/excavation/construction activities, the area shall not be disturbed until any required

investigation is completed by the County Coroner and Native American consultation has been completed (if deemed applicable).

(b) If any archeological or paleontological resources are found during project grading/excavation/construction, the area shall not be disturbed until the significance of the resource is determined. If determined to be significant, the resource shall be recovered by a qualified archeologist or paleontologist consistent with current standards and guidelines, or other appropriate measures implemented.

2.14 Indemnification. The applicant shall agree to defend, indemnify and hold harmless, the City of Ontario or its agents, officers, and employees from any claim, action or proceeding against the City of Ontario or its agents, officers or employees to attack, set aside, void or annul any approval of the City of Ontario, whether by its City Council, Planning Commission or other authorized board or officer. The City of Ontario shall promptly notify the applicant of any such claim, action or proceeding, and the City of Ontario shall cooperate fully in the defense.

2.15 Additional Fees.

(a) Within 5 days following final application approval, the Notice of Exemption ("NOE") filing fee shall be provided to the Planning Department. The fee shall be paid by check, made payable to the "Clerk of the Board of Supervisors", which shall be forwarded to the San Bernardino County Clerk of the Board of Supervisors, along with all applicable environmental forms/notices, pursuant to the requirements of the California Environmental Quality Act ("CEQA"). The filing of a NOE is voluntary; however, failure to provide said fee within the time specified will result in the extension of the statute of limitations for the filing of a CEQA lawsuit from 30 days to 180 days.

2.16 Additional Requirements.

(a) The Project shall comply with Development Advisory Board "DAB" Decision No. 22-048, a Master Conceptual Master Site Plan (File No. PDEV22-051), Conditions of approval, approved by the Development Advisory Board on December 5, 2022.

CITY OF ONTARIO
LANDSCAPE PLANNING DIVISION
303 East "B" Street, Ontario, CA 91764

CONDITIONS OF APPROVAL

Sign Off	
	2/3/2023
Jamie Richardson, Sr. Landscape Architect	Date

Reviewer's Name:	Phone:
Jamie Richardson, Sr. Landscape Architect	**(909) 395-2615**

D.A.B. File No.:	Related Files:	Case Planner:
PMTT22-028	PDEV22-043	Diane Ayala

Project Name and Location:

Parcel Map to Subdivide 8.319 ares into 4 parcels
320 East D Street and 425 East B Street

Applicant/Representative:

VanLen Consultants, Neal McPherson
5015 Canyon Crest Drive
RIverside, CA 92507

☒	**A Tentative Tract/Parcel Map (dated 1/3/2023) has been approved considering that the following conditions below be met upon submittal of the landscape construction documents.**
☐	**A Tentative Tract Map/Parcel (dated) has not been approved. Corrections noted below are required before DAB approval.**

CORRECTIONS REQUIRED

Items to be addressed on future Site, Grading, and Utility Construction Plans:

1. Stormwater infiltration devices located in parkways or other landscape areas shall be routed to this department to be reviewed and approved before permit approval or installation.
2. Note decorative paving for all motor courts, including the lots facing the parking rows aisles.
3. Note for compaction to not be greater than 85% at landscape areas; all finished grades 1 ½" below finished surfaces; landscaped slopes to be max 3:1.
4. Show or note transformers shall be located in planter areas and set back 3' from paving for small transformers less than 4' high and 5' setback for large transformers greater than 4' high. Coordinate with landscape plans. Locate on level grade.
5. Show or note backflow devices shall be located in planter areas and set back min 3' from paving. Locate on level grade. Coordinate with landscape plans.
6. Provide a utility clear space 8' wide in parkways and 30' apart for street trees. Move water meters, drain lines, and light standards to the minimum spacing to allow space for street trees.
7. Show light standards 15' away from required tree locations.
8. Wall footings shall not restrict landscape; max 12" in front of footing with 12" of cover.
9. Show on plans step-outs at parking spaces adjacent to planters; 12" wide monolithic curb, 12" compacted decomposed granite or pavers adjacent to the 6" curb.
10. Provide a tree inventory for existing trees, including genus, species, trunk diameter, canopy width, and condition. Show and note existing trees in good condition to remain and note trees proposed to be removed. Include existing trees within 15' of adjacent property that would be affected by new walls, footings, or on-site tree planting. Add tree protection notes on construction and demo plans.

ENGINEERING DEPARTMENT
CONDITIONS OF APPROVAL

(Engineering Services Division [Land Development Section and Environmental Section], Traffic & Transportation Division, Ontario Municipal Utilities Company and Broadband Operations & Investment and Revenue Resources Department Conditions incorporated)

☐ DEVELOPMENT PLAN ☐ OTHER	☒ PARCEL MAP ☐ TRACT MAP ☐ FOR CONDOMINIUM PURPOSES
PROJECT FILE NO. PMTT22-028 (PM-20683) **RELATED FILE NO(S).**	
☒ **ORIGINAL** ☐ REVISED: __/__/__	

CITY PROJECT ENGINEER & PHONE NO:	**Jeffrey Tang, P.E. (909) 395-2128**
CITY PROJECT PLANNER & PHONE NO:	**Diane Ayala (909) 395-2428**
DAB MEETING DATE:	**March 6, 2023**
PROJECT NAME / DESCRIPTION:	**A Parcel Map to subdivide 8.319 acres of land into 4 parcels located at 320 East D Street and 425 East B Street, within the OL (Low Intensity Office) & CIV (Civic) zoning districts** **APN(s): 1048-541-0000; 1048-545-16-0000**
LOCATION:	**Northwest corner of Sultana Avenue and B Street**
APPLICANT:	**City of Ontario**
REVIEWED BY:	Raymond Lee 3/1/23. **Raymond Lee, P.E.** **Date** **Assistant City Engineer**
APPROVED BY:	3-1-23 **Khoi Do, P.E.** **Date** **City Engineer**

Last Revised: 3/1/2023

THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS SET FORTH IN THE GENERAL STANDARD CONDITIONS OF APPROVAL ADOPTED BY THE CITY COUNCIL (RESOLUTION NO. 2017-027) AND THE PROJECT SPECIFIC CONDITIONS OF APPROVAL SPECIFIED HEREIN. ONLY APPLICABLE CONDITIONS OF APPROVAL ARE CHECKED. THE APPLICANT SHALL BE RESPONSIBLE FOR THE COMPLETION OF ALL APPLICABLE CONDITIONS OF APPROVAL PRIOR TO PARCEL MAP APPROVAL, ISSUANCE OF PERMITS AND/OR OCCUPANCY CLEARANCE, AS SPECIFIED IN THIS REPORT.

1. PRIOR TO PARCEL MAP APPROVAL, APPLICANT SHALL:

			Check When Complete
☒	1.01	**Dedicate to the City of Ontario, the right-of-way, described below:** **A. 4-foot dedication on D Street to half street right-of-way width of 37 feet along Parcel 2 frontage** **B. 4-foot dedication on Sultana Avenue to half street right-of-way width of 37 feet along Parcel 2 frontage** **C. Additional property line corner 'cut-back' required at southwest corner of intersection of D Street and Sultana Avenue (4 feet of additional right-of-way from existing 'cut-back')**	☐
☒	1.02	**Dedicate to the City of Ontario, the following easement(s):** **A. A Public Utility Easement (PUE) over the Cherry Avenue vacation as described in Section 1.04B** **B. A Public Utility Easement (PUE) over a portion of the C Street Vacation as described in Section 1.04B, from the westerly edge of Cherry Avenue to approximately 122' east.**	☐
☐	1.03	Restrict vehicular access to the site as follows:	☐
☒	1.04	**Vacate the following street(s) and/or easement(s):** **A. Existing 20-foot easement for underground storm drain system in favor of City of Ontario.** **B. Cherry Avenue from B Street to C Street.** **C. C Street from Cherry Avenue to Sultana Avenue.** **D. All interfering on-site easements shall be quitclaimed, vacated, and/or submit non-interference letter from affected owner/utility company.**	☐
☐	1.05	Submit a copy of a recorded private reciprocal use agreement or easement. The agreement or easement shall ensure, at a minimum, common ingress and egress and joint maintenance of all common access areas and drive aisles.	☐
☒	1.06	**Provide (original document) Covenants, Conditions and Restrictions (CC&Rs) as applicable to the project and as approved by the City Attorney and the Engineering and Planning Departments, ready for recordation with the County of San Bernardino. The CC&Rs shall provide for, but not be limited to, common ingress and egress, joint maintenance responsibility for all common access improvements, common facilities, parking areas, utilities, median and landscaping improvements and drive approaches, in addition to maintenance requirements established in the Water Quality Management Plan (WQMP), as applicable to the project. The CC&Rs shall also address the maintenance and repair responsibility for public improvements/utilities (sewer, water, storm drain, recycled water, etc.) located within open space/easements. In the event of any maintenance or repair of these facilities, the City shall only restore disturbed areas to current City Standards.**	☐
☐	1.07	For all development occurring south of the Pomona Freeway (60-Freeway) and within the specified boundary limits (per Boundary Map found at *http://tceplumecleanup.com/*), the property developer/owner is made aware of the South Archibald Trichloroethylene (TCE) Plume "Disclosure Letter". Property owner may wish to provide this Letter as part of the Real Estate Transfer Disclosure requirements under California Civil Code Section 1102 et seq. This may include notifications in the Covenants, Conditions and Restrictions (CC&Rs) or other documents related to property transfer and disclosures. Additional information on the plume is available from the Santa Ana Regional Water Quality Control Board at *http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000004658*.	☐

☐ 1.08 File an application for Reapportionment of Assessment, together with payment of a reapportionment processing fee, for each existing assessment district listed below. Contact the Financial Services Department at (909) 395-2124 regarding this requirement. ☐

(1) _____

(2) _____

☐ 1.09 Prepare a fully executed Subdivision Agreement (on City approved format and forms) with accompanying security as required, or complete all public improvements. ☐

☐ 1.10 Provide a monument bond (i.e. cash deposit) in an amount calculated by the City's approved cost estimate spreadsheet (available for download on the City's website: www.ontarioca.gov) or as specified in writing by the applicant's Registered Engineer or Licensed Land Surveyor of Record and approved by the City Engineer, whichever is greater. ☐

☒ **1.11 Provide a preliminary title report current to within 30 days.** ☐

☐ 1.12 File an application, together with an initial deposit (if required), to establish a Community Facilities District (CFD) pursuant to the Mello-Roos Community Facilities District Act of 1982. The application and fee shall be submitted a minimum of four (4) months prior to final subdivision map approval, and the CFD shall be established prior to final subdivision map approval or issuance of building permits, whichever occurs first. The CFD shall be established upon the subject property to provide funding for various City services. An annual special tax shall be levied upon each parcel or lot in an amount to be determined. The special tax will be collected along with annual property taxes. The City shall be the sole lead agency in the formation of any CFD. Contact Investment and Revenue Resources at (909) 395-2341 to initiate the CFD application process. ☐

☐ 1.13 Ontario Ranch Developments: ☐

☐ 1) Provide evidence of final cancellation of Williamson Act contracts associated with this tract, prior to approval of any final subdivision map. Cancellation of contracts shall have been approved by the City Council.

☐ 2) Provide evidence of sufficient storm water capacity availability equivalents (Certificate of Storm Water Treatment Equivalents).

☐ 3) Provide evidence of sufficient water availability equivalents (Certificate of Net MDD Availability).

☐ 1.14 Other conditions: ☐

2. PRIOR TO ISSUANCE OF ANY PERMITS, APPLICANT SHALL:

A. GENERAL
(Permits includes Grading, Building, Demolition and Encroachment)

☒ **2.01 Record Parcel Map pursuant to the Subdivision Map Act and in accordance with the City of Ontario Municipal Code.** ☐

☒ **2.02 Submit a PDF of the recorded map to the City Engineer's office.** ☐

☐ 2.03 Note that the subject parcel is a recognized parcel in the City of Ontario per Parcel Map 15245, Parcel 1 and Lots 1 through 12, Block 33 per map recorded in Book 9, Page 43 of maps. ☐

☐ 2.04 Note that the subject parcel is an 'unrecognized' parcel in the City of Ontario and shall require a Certificate of Compliance to be processed unless a deed is provided confirming the existence of the parcel prior to the date of March 4, 1972. ☐

☐ 2.05 Apply for a: ☐

☐ Certificate of Compliance with a Record of Survey;

☐ Lot Line Adjustment (Record a Conforming Deed with the County of San Bernardino within six months of the recordation of the Lot Line Adjustment to conform the new LLA legal description. Submit a copy of the recorded Conforming Deed to the Engineering Department.);

☐ Make a Dedication of Easement.

☐ 2.06 Provide (original document) Covenants, Conditions and Restrictions (CC&R's), as applicable to the project, and as approved by the City Attorney and the Engineering and Planning Departments, ready for recordation with the County of San Bernardino. The CC&R's shall provide for, but not be limited to, common ingress and egress, joint maintenance of all common access improvements, common facilities, parking areas, utilities and drive approaches in addition to maintenance requirements established in the Water Quality Management Plan (WQMP), as applicable to the project. ☐

☐ 2.07 For all development occurring south of the Pomona Freeway (60-Freeway) and within the specified boundary limits (per Boundary Map found at *http://tceplumecleanup.com/*), the property developer/owner is made aware of the South Archibald Trichloroethylene (TCE) Plume "Disclosure Letter". Property owner may wish to provide this Letter as part of the Real Estate Transfer Disclosure requirements under California Civil Code Section 1102 et seq. This may include notifications in the Covenants, Conditions and Restrictions (CC&Rs) or other documents related to property transfer and disclosures. Additional information on the plume is available from the Santa Ana Regional Water Quality Control Board at *http://geotracker.waterboards.ca.gov/profile_report?global_id=T10000004658.* ☐

☒ **2.08 Submit a soils/geology report.** ☐

☐ 2.09 Other Agency Permit/Approval: Submit a copy of the approved permit and/or other form of approval of the project from the following agency or agencies: ☐

- ☐ State of California Department of Transportation (Caltrans)
- ☐ San Bernardino County Road Department (SBCRD)
- ☐ San Bernardino County Flood Control District (SBCFCD)
- ☐ Federal Emergency Management Agency (FEMA)
- ☐ Cucamonga Valley Water District (CVWD) for sewer/water service
- ☐ United States Army Corps of Engineers (USACE)
- ☐ California Department of Fish & Game
- ☐ Inland Empire Utilities Agency (IEUA)
- ☐ Other:

☐ 2.10 Dedicate to the City of Ontario the right-of-way described below: ☐

☐ 2.11 Dedicate to the City of Ontario the following easement(s): ☐

☐ 2.12 Vacate the following street(s) and/or easement(s): ☐

☐ 2.13 Ontario Ranch Developments: ☐

☐ 1) Submit a copy of the permit from the San Bernardino County Health Department to the Engineering Department and the Ontario Municipal Utilities Company (OMUC) for the destruction/abandonment of the on-site water well. The well shall be destroyed/abandoned in accordance with the San Bernardino County Health Department guidelines.

☐ 2) Make a formal request to the City of Ontario Engineering Department for the proposed temporary use of an existing agricultural water well for purposes other than agriculture, such as grading, dust control, etc. Upon approval, the Applicant shall enter into an agreement with the City of Ontario and pay any applicable fees as set forth by said agreement.

☐ 3) Design proposed retaining walls to retain up to a maximum of three (3) feet of earth. In no case shall a wall exceed an overall height of nine (9) feet (i.e. maximum 6-foot high wall on top of a maximum 3-foot high retaining wall.

☐ 2.14 Submit a security deposit to the Engineering Department to guarantee construction of the public ☐

improvements required herein valued at _____% of the approved construction cost estimate. Security deposit shall be in accordance with the City of Ontario Municipal Code. Security deposit will be eligible for release, in accordance with City procedure, upon completion and acceptance of said public improvements.

☒ **2.15** **The applicant/developer shall submit all necessary survey documents prepared by a Licensed Surveyor registered in the State of California detailing all existing survey monuments in and around the project site. These documents are to be reviewed and approved by the City Survey Office.** ☐

☐ 2.16 Pay all Development Impact Fees (DIF) to the Building Department. Storm Drain Development Impact Fee, approximately _____, shall be paid to the Building Department. Final fee shall be determined based on the approved site plan and the DIF rate at the time of payment. ☐

☒ **2.17** **Other conditions:** ☐

A. See included OMUC Utilities Engineering Division Conditions of Approval for additional conditions.

B. PUBLIC IMPROVEMENTS
(See attached Exhibit 'A' for plan check submittal requirements.)

☒ 2.18 **Design and construct full public improvements in accordance with the City of Ontario Municipal Code, current City standards and specifications, master plans and the adopted specific plan for the area, if any. These public improvements shall include, but not be limited to, the following (checked boxes):** ☐

Improvement	D Street	Sultana Ave	Cherry Ave	
Curb and Gutter	☐ New; 25 ft. from C/L ☐ Replace damaged ☐ Remove and replace	☐ New; 25 ft. from C/L ☐ Replace damaged ☐ Remove and replace	☐ New; ___ ft. from C/L ☐ Replace damaged ☐ Remove and replace	☐ New; ___ ft. from C/L ☐ Replace damaged ☐ Remove and replace
AC Pavement	☐ Replacement ☐ Widen ____ additional feet along frontage, including pavm't transitions	☐ Replacement ☐ Widen ____ additional feet along frontage, including pavm't transitions	☐ Replacement ☐ Widen ____ additional feet along frontage, including pavm't transitions	☐ Replacement ☐ Widen ____ additional feet along frontage, including pavm't transitions
PCC Pavement (Truck Route Only)	☐ New ☐ Modify existing	☐ New ☐ Modify existing	☐ New ☐ Modify existing	☐ New ☐ Modify existing
Drive Approach	☐ New ☐ Remove and replace	☐ New ☐ Remove and replace	☐ New ☐ Remove and replace	☐ New ☐ Remove and replace
Sidewalk	☐ New ☐ Remove and replace	☐ New ☐ Remove and replace	☐ New ☐ Remove and replace	☐ New ☐ Remove and replace
ADA Access Ramp	☐ New ☐ Remove and replace	☒ **New (See 2.38I)** ☐ Remove and replace	☒ **New (See 2.38H)** ☐ Remove and replace	☐ New ☐ Remove and replace
Parkway	☒ **Trees** ☒ **Landscaping (w/irrigation)**	☒ **Trees** ☒ **Landscaping (w/irrigation)**	☐ Trees ☐ Landscaping (w/irrigation)	☐ Trees ☐ Landscaping (w/irrigation)
Raised Landscaped Median	☐ New ☐ Remove and replace	☐ New ☐ Remove and replace	☐ New ☐ Remove and replace	☐ New ☐ Remove and replace
Fire Hydrant	☐ New / Upgrade ☐ Relocation	☐ New / Upgrade ☐ Relocation	☐ New / Upgrade ☐ Relocation	☐ New / Upgrade ☐ Relocation

Sewer (see Sec. 2.C)	☐ Main ☐ Lateral	☐ Main ☐ Lateral	☐ Main ☐ Lateral	☐ Main ☐ Lateral
Water (see Sec. 2.D)	☐ Main ☐ Service	☐ Main ☒ **Service**	☒ **Main** ☒ **Service**	☐ Main ☐ Service
Recycled Water (see Sec. 2.E)	☐ Main ☐ Service	☐ Main ☐ Service	☐ Main ☐ Service	☐ Main ☐ Service
Traffic Signal System (see Sec. 2.F)	☐ New ☐ Modify existing	☐ New ☐ Modify existing	☐ New ☐ Modify existing	☐ New ☐ Modify existing
Traffic Signing and Striping (see Sec. 2.F)	☐ New ☐ Modify existing	☐ New ☐ Modify existing	☒ **New** ☐ Modify existing	☐ New ☐ Modify existing
Street Light (see Sec. 2.F)	☐ New / Upgrade ☒ **Relocation (See 2.38J)**	☐ New / Upgrade ☒ **Relocation (See 2.38J)**	☐ New / Upgrade ☐ Relocation	☐ New / Upgrade ☐ Relocation
Bus Stop Pad or Turn-out (see Sec. 2.F)	☐ New ☒ **Remove (See 2.38J)**	☐ New ☐ Relocate	☐ New ☐ Modify existing	☐ New ☐ Modify existing
Storm Drain (see Sec. 2G)	☒ **Main (See 2.44)** ☐ Lateral	☐ Main ☐ Lateral	☐ Main ☐ Lateral	☐ Main ☐ Lateral
Fiber Optics (see Sec. 2K)	☐ Conduit / Appurtenances	☐ Conduit / Appurtenances	☐ Conduit / Appurtenances	☐ Conduit / Appurtenances
Overhead Utilities	☐ Underground ☐ Relocate	☐ Underground ☐ Relocate	☐ Underground ☐ Relocate	☐ Underground ☐ Relocate
Removal of Improvements	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
Other Improvements	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____

Specific notes for improvements listed in item no. 2.18, above:

☐ 2.19 Construct a 2" asphalt concrete (AC) grind and overlay on the following street(s): ☐

☐ 2.20 Reconstruction of the full pavement structural section, per City of Ontario Standard Drawing number 1011, may be required based on the existing pavement condition and final street design. Minimum ☐

limits of reconstruction shall be along property frontage, from street centerline to curb/gutter.

☐ 2.21 Make arrangements with the Cucamonga Valley Water District (CVWD) to provide ☐ water service ☐ sewer service to the site. This property is within the area served by the CVWD and Applicant shall provide documentation to the City verifying that all required CVWD fees have been paid. ☐

☐ 2.22 Overhead utilities shall be under-grounded, in accordance with Title 7 of the City's Municipal Code (Ordinance No. 2804 and 2892). Developer may pay in-lieu fee, approximately _____, for undergrounding of utilities in accordance with Section 7-7.302.e of the City's Municipal Code. ☐

☐ 2.23 Other conditions: ☐

C. SEWER

☐ 2.24 An 8-inch sewer main is available for connection by this project in Sultana Avenue (Ref: Sewer facility id number: J13CL1024) ☐

☐ 2.25 Design and construct a sewer main extension. A sewer main is not available for direct connection. The closest main is approximately _____ feet away. ☐

☐ 2.26 Submit documentation that shows expected peak loading values for modeling the impact of the subject project to the existing sewer system. The project site is within a deficient public sewer system area. Applicant shall be responsible for all costs associated with the preparation of the model. Based on the results of the analysis, Applicant may be required to mitigate the project impact to the deficient public sewer system, including, but not limited to, upgrading of existing sewer main(s), construction of new sewer main(s) or diversion of sewer discharge to another sewer. ☐

☐ 2.27 Other conditions: ☐

D. WATER

☒ **2.28 A 12-inch water main is available for connection by this project in B Street (Ref: Water facility id number: J13DM1516)** ☐

☐ 2.29 Design and construct a water main extension. A water main is not available for direct connection. The closest main is approximately _____ feet away. ☐

☒ **2.30 Other conditions:** ☐

A. Cherry Avenue Replacement Main: Install a new 12-inch minimum 1212 PZ Potable Water Main in Cherry Avenue connecting from the existing 12-inch 1212 PZ Potable Water Main in B Street and extending in Cherry Avenue north to the intersection of Cherry Avenue and C Street, and due west to provide services to City of Ontario City Hall.

B. Water Main Abandonment in C Street: The existing water main in C Street, between Sultana Avenue and Cherry Avenue, shall be abandoned in place following the construction, activation, and operation of the new water main in Cherry Avenue.

C. Existing Fire Hydrants: The existing fire hydrant at the southwest corner of C Street and Sultana Avenue shall be connected to the existing water main in Sultana Avenue. The existing fire hydrant at the northwest corner of C Street and Cherry Avenue shall be connected to the new water main in Cherry Avenue.

D. See included OMUC Utilities Engineering Division Conditions of Approval for additional conditions.

E. RECYCLED WATER

☐ 2.31 A _____inch recycled water main is available for connection by this project in _____. (Ref: Recycled Water plan bar code:_____) ☐

☐ 2.32 Design and construct an on-site recycled water system for this project. A recycled water main does exist in the vicinity of this project. ☐

☐ 2.33 Design and construct an on-site recycled water ready system for this project. A recycled water main does not currently exist in the vicinity of this project, but is planned for the near future in Sultana Avenue. If Applicant would like to connect to this recycled water main when it becomes available, the cost for the connection shall be borne solely by the Applicant. ☐

☐ 2.34 Submit two (2) hard copies and one (1) electronic copy, in PDF format, of the Engineering Report (ER), for the use of recycled water, to the OMUC for review and subsequent submittal to the California Department of Public Health (CDPH) for final approval. ☐

Note: The OMUC and the CDPH review and approval process will be approximately three (3) months. Contact the Ontario Municipal Utilities Company at (909) 395-2647 regarding this requirement.

☐ 2.35 Other conditions: ☐

F. TRAFFIC / TRANSPORTATION

☐ 2.36 Submit a focused traffic impact study, prepared and signed by a Traffic/Civil Engineer registered in the State of California. The study shall address, but not be limited to, the following issues as required by the City Engineer: ☐

1. On-site and off-site circulation
2. Traffic level of service (LOS) at 'build-out' and future years
3. Impact at specific intersections as selected by the City Engineer

☐ 2.37 New traffic signal installations shall be added to Southern California Edison (SCE) customer account number # 2-20-044-3877. ☐

☒ **2.38 Other conditions:** ☐

- **A. Design and construct drive aisles to accommodate delivery trucks (SU-30) turning movements through the project on Cherry Avenue between B Street and D Street, and the drive aisle between Sultana Avenue and Cherry Avenue**
- **B. Design and construct drive aisles to accommodate trash truck turning movements through the project when accessing City Hall and University of La Verne trash enclosures.**
- **C. Install an all-way stop at the intersection of B Street and Cherry Avenue**
- **D. Install an all-way stop at the intersection of Cherry Avenue/drive aisle and the parking structure entrance/exit.**
- **E. Install raised crosswalks at the all-way stop at the intersection of Cherry Avenue/drive aisle and the parking structure entrance/exit.**
- **F. Install speed bumps along Cherry Avenue/drive aisle between B Street and D Street.**
- **G. Install speed bumps along east/west drive aisle between Sultana Avenue and Cherry Avenue.**
- **H. Install ADA ramps for pedestrian crossings at the intersection of Cherry Avenue/drive aisle and the parking structure entrance/exit.**
- **I. Install ADA ramps for pedestrian crossings at the intersection of the proposed parking structure driveway and Sultana Avenue. Standard ADA ramps must be installed at the parking structure driveway to accommodate future pedestrian crossings across Sultana Avenue.**
- **J. Remove and salvage back to the City the existing decorative bus stop shelter and benches currently on the westside of Sultana Avenue, south of D Street. The contractor shall also be responsible to abandon and remove bus stop shelter lighting conduit/wiring.**
- **K. Relocate any existing public street lights along the project frontage on Sultana Avenue and D Street conflicting with proposed project driveways. Street light relocations shall be done per City of Ontario Standard Drawing No. 5104.**
- **L. Design and construct all proposed driveways in accordance with City of Ontario Standard Drawing No. 1204 for Commercial Driveways.**
- **M. Parking shall be restricted with red curb for a length of 40-feet on both sides of the proposed project driveways onto Sultana Ave and D Street**
- **N. All landscaping, block walls, and other obstructions shall be compatible with the stopping sight distance requirements per City of Ontario Standard Drawing No. 1309**
- **O. The Applicant/Developer's engineer-of-record shall meet with City Engineering staff prior to designing and submitting for plan check the signing/striping and street lighting design plans to define limits of improvements.**
- **P. The Applicant/Developer shall be responsible to design and construct street improvements along property frontage streets of Sultana Avenue and D Street in accordance with conditions issued by City's Land Development Division. These, and all other street improvements required herein, shall include, but not be limited to ,**

concrete curb and gutter, sidewalk, LED street lights, signing and striping, and parkway landscaping.

G. DRAINAGE / HYDROLOGY

☒ **2.39** **A 42 inch storm drain main is available to accept flows from this project in Sultana Avenue. (Ref: Storm Drain plan bar code: D10552)** ☐

☒ **2.40** **Submit a hydrology study and drainage analysis, prepared and signed by a Civil Engineer registered in the State of California. The study shall be prepared in accordance with the San Bernardino County Hydrology Manual and City of Ontario standards and guidelines. Additional drainage facilities, including, but not limited to, improvements beyond the project frontage, may be required to be designed and constructed, by Applicant, as a result of the findings of this study.** ☐

☐ 2.41 An adequate drainage facility to accept additional runoff from the site does not currently exist downstream of the project. Design and construct a storm water detention facility on the project site. 100 year post-development peak flow shall be attenuated such that it does not exceed 80% of pre-development peak flows, in accordance with the approved hydrology study and improvement plans. ☐

☐ 2.42 Submit a copy of a recorded private drainage easement or drainage acceptance agreement to the Engineering Department for the acceptance of any increase to volume and/or concentration of historical drainage flows onto adjacent property, prior to approval of the grading plan for the project. ☐

☐ 2.43 Comply with the City of Ontario Flood Damage Prevention Ordinance (Ordinance No. 2409). The project site or a portion of the project site is within the Special Flood Hazard Area (SFHA) as indicated on the Flood Insurance Rate Map (FIRM) and is subject to flooding during a 100 year frequency storm. The site plan shall be subject to the provisions of the National Flood Insurance Program. ☐

☒ **2.44** **Other conditions:** ☐

A. Abandon and/or remove the existing public storm drain crossing through project site.
B. Design and construct the public storm drain realignment of the abandoned line along D Street, from Cherry Avenue to Sultana Avenue. Connect the new storm drain to the existing storm drain in Sultana Avenue. Size of line will be subject to the hydrology study and drainage analysis of the tributary area.

H. STORM WATER QUALITY / NATIONAL POLLUTANT DISCHARGE AND ELIMINATION SYSTEM (NPDES)

☐ 2.45 401 Water Quality Certification/404 Permit – Submit a copy of any applicable 401 Certification or 404 Permit for the subject project to the City project engineer. Development that will affect any body of surface water (i.e. lake, creek, open drainage channel, etc.) may require a 401 Water Quality Certification from the California Regional Water Quality Control Board, Santa Ana Region (RWQCB) and a 404 Permit from the United States Army Corps of Engineers (USACE). The groups of water bodies classified in these requirements are perennial (flow year round) and ephemeral (flow during rain conditions, only) and include, but are not limited to, direct connections into San Bernardino County Flood Control District (SBCFCD) channels.
If a 401 Certification and/or a 404 Permit are not required, a letter confirming this from Applicant's engineer shall be submitted.
Contact information: USACE (Los Angeles District) (213) 452-3414; RWQCB (951) 782-4130. ☐

☐ 2.46 Submit a Water Quality Management Plan (WQMP). This plan shall be approved by the Engineering Department prior to approval of any grading plan. The WQMP shall be submitted, utilizing the current San Bernardino County Stormwater Program template, available at: http://www.sbcounty.gov/dpw/land/npdes.asp. ☐

☐ 2.47 Design and construct a Connector Pipe Trash Screen or equivalent Trash Treatment Control Device, per catch basin located within or accepting flows tributary of a Priority Land Use (PLU) area that meets the Full Capture System definition and specifications, and is on the Certified List of the State Water Resources Control Board. The device shall be adequately sized per catch basin and include a deflector screen with vector control access for abatement application, vertical support bars, and removable component to facilitate maintenance and cleaning. ☐

☒ **2.48 Other conditions:** ☐

A. All Priority Land Use (PLU): Land use consisting of high-density residential, defined as a land use with at least ten (10) dwelling units per acre, industrial, commercial, mixed urban, and public transportation station land uses shall comply with the statewide Trash Provisions adopted by the State Water Resources Control Board (SWRCB).

B. Activities resulting in land disturbance of one acre or more is required to obtain coverage under the Construction General Permit (CGP).

J. SPECIAL DISTRICTS

☐ 2.49 File an application, together with an initial deposit (if required), to establish a Community Facilities District (CFD) pursuant to the Mello-Roos Community Facilities District Act of 1982. The application and fee shall be submitted a minimum of four (4) months prior to final subdivision map approval, and the CFD shall be established prior to final subdivision map approval or issuance of building permits, whichever occurs first. The CFD shall be established upon the subject property to provide funding for various City services. An annual special tax shall be levied upon each parcel or lot in an amount to be determined. The special tax will be collected along with annual property taxes. The City shall be the sole lead agency in the formation of any CFD. Contact Investment and Revenue Resources at (909) 395-2341 to initiate the CFD application process. ☐

☐ 2.50 Other conditions: _____ ☐

K. FIBER OPTIC

☐ 2.51 A _____fiber optic line is available for connection by this project in D Street and Sultana Avenue. (Ref: Fiber Optic facility id: _____) ☐

☐ 2.52 Design and construct fiber optic system to provide access to the City's conduit and fiber optic system per the City's Fiber Optic Master Plan. Building entrance conduits shall start from the closest OntarioNet hand hole constructed along the project frontage in the ROW and shall terminate in the main telecommunications room for each building. Conduit infrastructure shall interconnect with the primary and/or secondary backbone fiber optic conduit system at the nearest OntarioNet hand hole. ☐

☐ 2.53 Refer to the City's Fiber Optic Master Plan for design and layout guidelines. Contact the Broadband Operations Department at (909) 395-2000, regarding this requirement. ☐

☐ 2.54 Other conditions: ☐

3. PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY, APPLICANT SHALL:

☒ 3.01 Set new monuments in place of any monuments that have been damaged or destroyed as a result of construction of the subject project. Monuments shall be set in accordance with City of Ontario standards and to the satisfaction of the City Engineer. ☐

☐ 3.02 Complete all requirements for recycled water usage. ☐

☐ 1) Procure from the OMUC a copy of the letter of confirmation from the California Department of Public Health (CDPH) that the Engineering Report (ER) has been reviewed and the subject site is approved for the use of recycled water.

☐ 2) Obtain clearance from the OMUC confirming completion of recycled water improvements and passing of shutdown tests and cross connection inspection, upon availability/usage of recycled water.

☐ 3) Complete education training of on-site personnel in the use of recycled water, in accordance with the ER, upon availability/usage of recycled water.

☒ 3.03 The applicant/developer shall submit all final survey documents prepared by a Licensed Surveyor registered in the State of California detailing all survey monuments that have been preserved, revised, adjusted or set along with any maps, corner records or Records of Survey needed to comply with these Conditions of Approvals and the latest edition of the California Professional Land Survey Act. These documents are to be reviewed and approved by the City Survey Office. ☐

☐ 3.04 Ontario Ranch Projects: For developments located at an intersection of any two collector or arterial streets, the applicant/developer shall set a monument if one does not already exist at that intersection. Contact the City Survey office for information on reference benchmarks, acceptable methodology and required submittals. ☐

☐ 3.05 Confirm payment of all Development Impact Fees (DIF) to the Building Department. ☐

☒ 3.06 Submit electronic copies (PDF and Auto CAD format) of all approved improvement plans, studies and reports (i.e. hydrology, traffic, WQMP, etc.). ☐

4. PRIOR TO FINAL ACCEPTANCE, APPLICANT SHALL:

☒ **4.01 Complete all Conditions of Approval listed under Sections 1-3 above.** ☐

☐ 4.02 Pay all outstanding fees pursuant to the City of Ontario Municipal Code, including but not limited to, plan check fees, inspection fees and Development Impact Fees. ☐

☒ **4.03 The applicant/developer shall submit a written request for the City's final acceptance of the project addressed to the City Project Engineer. The request shall include a completed Acceptance and Bond Release Checklist, state that all Conditions of Approval have been completed and shall be signed by the applicant/developer. Upon receipt of the request, review of the request shall be a minimum of 10 business days. Conditions of Approval that are deemed incomplete by the City will cause delays in the acceptance process.** ☐

☒ **4.04 Submit record drawings (PDF) for all public improvements identified within Section 2 of these Conditions of Approval.** ☐

EXHIBIT 'A'

ENGINEERING DEPARTMENT
First Plan Check Submittal Checklist

Project Number: PDEV 22-013

The following items are required to be included with the first plan check submittal:

1. ☒ **A copy of this check list**
2. ☐ Payment of fee for Plan Checking
3. ☐ One (1) copy of Engineering Cost Estimate (on City form) with engineer's wet signature and stamp.
4. ☒ **One (1) copy of project Conditions of Approval**
5. ☒ **Include a PDF (electronic submittal) of each required improvement plan at every submittal.**
6. ☐ Two (2) sets of Potable and Recycled Water demand calculations (include water demand calculations showing low, average and peak water demand in GPM for the proposed development and proposed water meter size).
7. ☐ Three (3) sets of Public Street improvement plan with street cross-sections
8. ☒ **Four (4) sets of Public Water improvement plan (include water demand calculations showing low, average and peak water demand in GPM for the proposed development and proposed water meter size)**
9. ☐ Four (4) sets of Recycled Water improvement plan (include recycled water demand calculations showing low, average and peak water demand in GPM for the proposed development and proposed water meter size and an exhibit showing the limits of areas being irrigated by each recycled water meter)
10. ☐ Four (4) sets of Public Sewer improvement plan
11. ☒ **Five (5) sets of Public Storm Drain improvement plan**
12. ☐ Three (3) sets of Public Street Light improvement plan
13. ☐ Three (3) sets of Signing and Striping improvement plan
14. ☐ Three (3) sets of Fiber Optic plan (include Auto CAD electronic submittal)
15. ☐ Three (3) sets of HOA Landscape improvement plans. Show corner sight line distance per engineering standard drawing 1309.
16. ☐ Five (5) sets of CFD Landscape improvement plans. Show corner sight line distance per engineering standard drawing 1309.
17. ☐ Three (3) sets of Dry Utility plans within public right-of-way (at a minimum the plans must show existing and ultimate right-of-way, curb and gutter, proposed utility location including centerline dimensions, wall to wall clearances between proposed utility and adjacent public line, street work repaired per Standard Drawing No. 1306. Include Auto CAD electronic submittal)
18. ☐ Three (3) sets of Traffic Signal improvement plan and One (1) copy of Traffic Signal Specifications with modified Special Provisions. Please contact the Traffic Division at (909) 395-2154 to obtain Traffic Signal Specifications.
19. ☐ Two (2) copies of Water Quality Management Plan (WQMP), including one (1) copy of the approved Preliminary WQMP (PWQMP).

20. ☒ **One (1) copy of Hydrology/Drainage study**
21. ☒ **One (1) copy of Soils/Geology report**
22. ☐ Payment for Final Map/Parcel Map processing fee
23. ☒ **Three (3) copies of Final Map/Parcel Map**
24. ☒ **One (1) copy of approved Tentative Map**
25. ☒ **One (1) copy of Preliminary Title Report (current within 30 days)**
26. ☒ **One (1) copy of Traverse Closure Calculations**
27. ☒ **One (1) set of supporting documents and maps (legible copies): referenced improvement plans (full size), referenced record final maps/parcel maps (full size, 18"x26"), Assessor's Parcel map (full size, 11"x17"), recorded documents such as deeds, lot line adjustments, easements, etc.**
28. ☐ Two (2) copies of Engineering Report and an electronic file (include PDF format electronic submittal) for recycled water use
29. ☐ Other:

CITY OF ONTARIO
MEMORANDUM

ONTARIO MUNICIPAL UTILITIES COMPANY

DATE: February 16, 2023
TO: Jeffrey Tang, Engineering Department
CC: Diane Ayala, Planning Department
FROM: Eric Woosley, Utilities Engineering

SUBJECT: DPR#1- Utilities Engineering Condtions of Approval (**#8950**)
PROJECT NO.: PM-20683 (PMTT22-028)

BRIEF DESCRIPTION

A Parcel Map to subdivide 8.319 acres of land into 4 parcels located at 320 East D Street and 425 East B Street, within the OL (Low Intensity Office) & CIV (Civic) zoning districts (APN:1048-541-15;1048-541-16). Related File: PDEV22-043.

OMUC UTILITIES ENGINEERING DIVISION
CONDITIONS OF APPROVAL

CONDITIONS OF APPROVAL: *The **Ontario Municipal Utilities Company (OMUC) Utilities Engineering Division** recommends this application for approval subject to the Conditions of Approval outlined below and compliance with the City's Design Development Guidelines, Specifications Design Criteria, and City Standards. The Applicant shall be responsible for the compliance with and the completion of all the following applicable Conditions of Approval prior to the following milestones and subject to compliance with City's Design Development Guidelines, Specifications Design Criteria, and City Standards:*

1. Standard Conditions of Approval: Project shall comply with the requirements as set forth in the Amendment to the Standard Conditions of Approval for New Development Projects adopted by the City Council (Resolution No. 2017-027) on April 18, 2017, or as amended or superseded by Council Resolution; as well as the project-specific conditions/requirements as outlined below.

Prior to Final Map or Parcel Map Approval, the Applicant shall:

Section 1.02: The Applicant shall comply with the following:

2. Dedicate to the City of Ontario, the following easement(s): A Public Utility Easement (PUE) for water and sewer purposes and incidental purposes in Cherry Avenue, from B Street to C Street, and continuing north for sewer purposes to connect to the existing PUE dedicated and recorded as instrument No. 15-547532 of official records. See Section 2.A for PUE requirements and restrictions.

Prior to Issuance of Any Permits (Grading, Building, Demolition and Encroachment), unless other timeline milestones are specified by individual conditions below, the Applicant Shall:

General Conditions (Section 2.A, Other conditions): The Applicant shall comply with the following:

3. Final Utilities Systems Map (USM): Submit a Final Utilities Systems Map (USM) as part of the precise grading plan submittal that meets all the City's USM requirements. These requirements include to show and label all existing and proposed utilities (including all appurtenances such as backflow devices, DCDAs, etc.), sizes, points of connection, and any easements. The final utility design shall comply with all Division of Drinking Water (CCR §64572) Separation Requirements. See *Utility Systems Map (USM) Requirements* document for details.

    a. The proposed utilities, utility alignments, and Public Rights-of-Way(RoW)/Public Utility Easements (PUE) shown on the Conceptual Utilities Systems Map (CUSM) and other Entitlement documents are not considered final and shall be revised during Final Design to meet all City Design Guidelines, Standards, City Requirements, and all the Conditions of Approval contained in this document.

4. Note the following definitions and concepts for Public Utility Improvements and Private Utility Improvements: Public Improvements shall be designed per City Public Design Guidelines and City Standards and constructed through a City Encroachment Permit; and Private Onsite Improvements shall be designed per Building Code and Plumbing Code and constructed through a City Building Permit.

    a. Public Utility Improvements include the following: water main pipelines and sewer main pipelines; sewer laterals connecting to a Public Sewer Main up to the Cleanout (or Manhole) at PL/RoW; water services and connected appurtenances (Meters/Meter Boxes, Fire Hydrants, Airvacs, Blowoffs, etc.) connecting to a Public Water Main per City Standards; and Fire Services connecting to a Public Water Main from the Main up to the DCDA. Public Water Improvements and Public Sewer Improvements are required to be designed and constructed through Public Improvement Plans with Plan View and Profile View per City Standards, Guidelines, and Requirements.

    b. Private Utility Improvements include the following: onsite water plumbing lines after a Public Meter, or after the Fire DCDA and including the DCDA; Backflow Devices and other Cross-Connection Prevention; onsite sewer upstream of the Public Sewer Lateral, including the Cleanout (or Manhole) at PL/RoW/PUE Edge; Monitoring Manholes and other Wastewater Pretreatment Facilities. Private Onsite Utility Improvements are required to be designed and constructed per Building and Plumbing Plans with: the Backflows, DCDAs, Cleanout (or Manhole) at PL/RoW/PUE Edge, and Monitoring Manholes being designed and constructed through a Precise Grading Plan; and, the other Pretreatment Devices (Grease Interceptor, Sand, Oil Interceptors, etc.) and the connections to the buildings and structures through a building Plumbing Plan.

5. Public Utilities and Public Right-of-Way (RoW) including Public Utility Easements (PUE): All City of Ontario Public Utilities shall be installed within a Public Right-of-Way (RoW), or within a Public Utility Easements (PUE), or within a combination of RoW and PUE. In this case, Public Utilities is referring to the mains and connected appurtenances of the following City of Ontario/OMUC Utilities: Public Potable Water; Public Recycled Water; and Public Sanitary Sewer. Public Utilities shall be subject to the Minimum RoW/PUE Area Requirements and PUE Restrictions:

    a. Minimum RoW Area Requirements: Public Utilities shall be installed within in existing RoW/PUE in alignments/locations that meet the following minimum RoW/PUE areas surrounding the Public Utilities, and/or additional RoW/PUE shall be dedicated/granted to the City to provide the following minimum RoW/PUE areas surrounding the Public Utilities:
        i. For each main, the RoW/PUE Area shall be a minimum of 20 feet wide, centered on the utility main with a minimum of 10 feet of RoW/PUE on each side of the main and this minimum area shall extend a minimum for 10 feet past the end of a main;
        ii. For each Service/Lateral, the RoW/PUE Area shall be a minimum of 10 feet wide, centered on the service/lateral with a minimum of 5 feet of RoW on each side of each service/lateral;
        iii. For each water meter box, the RoW/PUE Area shall be a minimum of 5 feet behind and 5 feet on each side of a water meter box;
        iv. For each water appurtenances (fire hydrants, blowoffs, airvacs, etc.), the RoW/PUE Area shall be a minimum of 5 feet on each side surrounding the water appurtenances (fire hydrants, blowoffs, airvacs, etc);
        v. The RoW/PUE minimum areas for separate Public Utilities may overlap, provide that all minimum separations and PUE Restrictions are met.
    b. PUE Restrictions: The Minimum PUE Area required surrounding Public Utilities shall be subject to the following restrictions:
        i. The Minimum RoW Area required surrounding Public Utilities shall not contain:
            A. Any storm water quality improvements (infiltration, detention, retention, bioswale, etc);
            B. Landscaping with thick or intrusive root structures,
            C. Any trees;
            D. Any private utilities, plumbing lines, private fire system, or irrigation lines; or,
            E. Any permanent structures or overhangs of permanent structures.
        ii. The PUE surface shall be designed to allow vehicle access over and along the full length of the utility main by any City maintenance vehicle.
        iii. Minimum Separations: Within a PUE, all Department of Drinking Water (DDW) Water Main Separations per California Code of Regulations (CCR) §64572 shall be met for all Public Potable Water Mains and Services between: all Public City Utilities; Non-City Utilities; and Private Utilities. Additionally, the following Minimum Separations shall be met:
            A. At minimum there shall be a 4 feet horizontal separation between each utility as measured between the outside walls of the utility pipelines, or in the case of a Joint Utility Trench, between the outside edge of the Joint Utility Trench and the outside wall of the Utility Pipeline.

c. Public Utility mains shall not be located behind curb or under curb & gutter and shall be located at minimum of 5 feet from curbface.

Potable Water Conditions (Section 2.D): The Applicant shall comply with the following:

6. Potable Water Main Improvements:
    a. Cherry Avenue Replacement Main: Install a new 12-inch minimum 1212 PZ Potable Water Main in Cherry Avenue connecting from the existing 12-inch 1212 PZ Potable Water Main in B Street and extending in Cherry Avenue north to the intersection of Cherry Avenue and C Street, and due west to provide services to the City of Ontario's City Hall.
    b. For all Replacement Mains:
        i. The existing 1212 PZ Potable Water Main (and connected services & appurtenances) in C Street shall be abandoned (and appurtenances removed and surrendered to the Utilities Department) subject to the following requirements:
            A. The existing 1212 PZ Potable Water Main shall remain in service and active until the corresponding 1212 PZ replacement main in Cherry Avenue is installed, activated, and placed into service by the City.
            B. Shut down of the existing 1212 PZ Potable Water Main shall be limited to a maximum daily duration of 4 hours during off peak hour and peak season.
            C. All existing connections from other mains and main extensions connected to the existing main in C Street shall be connected to the 1212 PZ main in Cherry Avenue.
            D. Existing services & appurtenances (fire hydrants, blowoffs, airvacs, fire services, and meter/meter-box, etc.) connected to the existing 1212 PZ Potable Water Main cannot be reused for the new replacement main; services & appurtenances (fire hydrants, blowoffs, airvacs, fire services, and meter/meter-box, etc.) connecting to the main in Cherry Avenue must be installed new per the corresponding City Standard.
            E. Each existing water service with meter/meter-box connected to the existing 1212 PZ Potable Water Main shall be replaced with a new corresponding water service with meter/meter-box connected to the new 1212PZ main in Cherry Avenue per applicable City Standards. Once the 1212 PZ water main is installed, activated, and placed into service by the City, the onsite system upstream of the existing water service with meter/meter-box shall be connected to the replacement water service with meter/meter-box per applicable City Standards.
            F. Each existing fire service connected to the existing 1212 PZ Potable Water Main in C Street shall be replaced with a new corresponding fire service connected to the new 1212 PZ main in Cherry Avenue per applicable City Standards. Once the 1212 PZ water main is installed, activated, and placed into service by the City, the onsite Double Check Detector Assembly (DCDA) of the existing fire service shall be connected to the replacement fire service per applicable City Standards.
    c. Fire Hydrants: Fire Hydrants along Potable Water Mains shall be spaced a maximum of 300-feet apart or per Fire Department Standards/Requirements, whichever is closer.
7. Water Main Abandonment in C Street: The existing water main in C Street, between Sultana Avenue and Cherry Avenue, shall be abandoned in place following the construction, activation, and operation of the new water main in Cherry Avenue.
8. Existing Fire Hydrants: There are two (2) existing fire hydrants connected to the existing water main in C Street. The fire hydrant located at the southwest corner of C Street and Sultana Avenue shall be connected to the existing water main in Sultana Avenue. The existing fire hydrant located at the northwest corner of C Street and Cherry Avenue shall be connected to the new water main in Cherry Avenue.
    a. The fire hydrant located at the northwest corner of C Street and Cherry Avenue shall be upgraded in accordance with City of Ontario Standards.

Plan Check Submittals:

9. Public Water Improvement Plan: Submit the Public Water Improvement Plan set for the required water improvements for this project to the Engineering Department for plan check.

UTILITIES SYSTEMS MAP (USM) REQUIREMENTS:

The USM shall meet, at a minimum, the following requirements:

1. USM Content and Format: The Utilities Systems Maps shall show all existing and proposed Utilities (Potable Water, Recycled Water, Sewer, Storm Drain, and other utilities) including each of the City's public utilities' points of connection to the existing systems. This plan should include::

    a. Format: The Utilities Systems plan at a minimum 1:100 scale (or large engineering scale as appropriate to show needed details) that clearly shows each existing and proposed utility and its relative location. This includes property lines, right-of-way, public utility easements, but should not include underlying existing topography, just proposed general grades. Use appropriate colors for each Utility type: blue for Potable Water; purple for Recycled Water; green for Sanitary Sewer; yellow-brown for storm Drain.

    b. Services and Laterals: All Proposed Utility Service laterals for each parcel (potable water domestic, recycled water irrigation, potable/recycled water for process water, and sewer) and any associated appurtenances.

        i. Meter and Backflow Device Locations: Show all proposed meters and required backflow devices located per City Standards (Water Services and Meters; Backflow Devices). Meters should be located in public rights-of-way or PUEs; either at the R/W (or PUE) line for curb adjacent sidewalks or at back of curb for all other cases. All water connections that serve more than one residential unit are required to have a backflow device installed behind the meter.

    c. Cross Sections **(if applicable, for project construction new public mains)**: Scaled cross sections showing the utility layout on the Utility Systems Map (Utility Plan) for each public street, private street and Public Utility Easement (PUE). The cross sections shall show the location and size of each utility and annotate the property/ROW lines, the type of finished surface material, the distance of each utility from centerline, the depth from finished surface to top of pipe, and the distance between utilities (outside wall to outside wall).

    d. Points of Connections: The locations of the points of connections to the existing utility systems, which can include breaks between the map area and the connection points with descriptions of the pipe size, type, use (pressure zone for water), and distance. An inset map can be used in addition to this to help provide clarity.

    e. Water Demand Table **(if applicable, for projects within Ontario Ranch/NMC)**: Add a Water Demand Table to the Utility Systems Map (Utility Plan) that calculates the project's domestic water use based on land use category (residential, commercial, and OS-R/Parks) and the number of units. The table shall state demand in terms of Average Daily Demand (ADD from Table 4-8 of the Water Master Plan) and Water Demand Equivalents (WDE / Net MDD from Exhibit C-2R of the NMC Construction Agreement; WDEs only if NMC). It should also identify the quantity of units in each category and the specific lots that are included in that category. Please Note that master planned lines are designed using gross acreage densities for all projected water use from residential categories.

        i. See Attached Sheet for WDT Example.

    f. Phasing Plan ***(if applicable)***: As separate exhibits, provide a proposed phasing plan showing the phasing of the infrastructure and the number and type (TOP land use category) of units in each phase.

        i. All phases must have: a connection to public sewer; a two separate looped connections to the potable water system, where no one closing of a main segment results in any part of any of any phase being without potable water.

ii. For public water mains in all phases, dead-end water lines (temporary or permanent) are limited to serving 28 dwelling units or a maximum of 600 linear feet, whichever comes first. Otherwise a looped water system with at least two (2) points of connection to the primary public system is required.

g. Private Onsite Systems versus Public Systems within PUEs for Residential Tract Map Project(***if applicable***): the following requirements apply when to delineating between Private and Public Systems:

i. Current Standard Drawing No. 1304 remains applicable and minimum health separation must be met.

ii. Public water mains will be accepted in longer alleys when it serves more than 6 meters.

iii. Public sewer mains will be accepted in alleys where the water is public.

iv. Public dead-end water mains will require a blow-off at the end and the alley should be designed to accommodate runoff from required water main flushing operations.

v. Public sewer mains in alleys will require a manhole at both ends of the main.

vi. Public meters serving more than one single family residential unit are considered as multifamily service with master meter and require: a backflow device after the meter, private HOA sub-metering for each unit, and a separate Fire Service with DCDA to provide private onsite fire service.

AIRPORT LAND USE COMPATIBILITY PLANNING
CONSISTENCY DETERMINATION REPORT

ONTARIO AIRPORT PLANNING

Project File No.: PMTT22-028

Address: 320 East D Street & 425 East B Street

APN: 1048-541-15 & 16

Existing Land Use: Civic/Office buildings, streets and parking lots

Proposed Land Use: Tentative Parcel Map to subdivide 9.2 acres into 4 parcels

Site Acreage: 9.2 Proposed Structure Height: Existing Buildings

ONT-IAC Project Review: N/A

Airport Influence Area: ONT

Reviewed By: Lorena Mejia

Contact Info: 909-395-2276

Project Planner: Diane Ayala

Date: 3/1/2023

CD No.: 2022-062

PALU No.: N/A

The project is impacted by the following ONT ALUCP Compatibility Zones:

Safety

- ☐ Zone 1
- ☐ Zone 1A
- ☐ Zone 2
- ☐ Zone 3
- ☐ Zone 4
- ☐ Zone 5

Noise Impact

- ☐ 75+ dB CNEL
- ☐ 70 - 75 dB CNEL
- ☐ 65 - 70 dB CNEL
- ☑ 60 - 65 dB CNEL

Airspace Protection

- ☐ High Terrain Zone
- ☑ FAA Notification Surfaces
- ☑ Airspace Obstruction Surfaces
- ☐ Airspace Avigation Easement Area

Allowable Height: 75-90 FT

Overflight Notification

- ☐ Avigation Easement Dedication
- ☑ Recorded Overflight Notification
- ☐ Real Estate Transaction Disclosure

The project is impacted by the following Chino ALUCP Safety Zones:

☐ Zone 1 ☐ Zone 2 ☐ Zone 3 ☐ Zone 4 ☐ Zone 5 ☐ Zone 6

Allowable Height: _____

CONSISTENCY DETERMINATION

This proposed Project is: ◯ Exempt from the ALUCP ◉ Consistent ◯ Consistent with Conditions ◯ Inconsistent

The proposed project is located within the Airport Influence Area of Ontario International Airport (ONT) was evaluated and found to be consistent with the policies and criteria of the Airport Land Use Compatibility Plan (ALUCP) for ONT provided the attached conditions are met.

See attached map for allowable building heights.

Airport Planner Signature: Lorena Mejia

70 ft
100 ft
110 ft
80 ft
90 ft
80 ft
80 ft
90 ft
70 ft